TRENDS IN MORTALITY

BY CAUSES OF DEATH IN AUSTRALIA, THE STATES AND TERRITORIES DURING 1971-92, AND IN STATISTICAL DIVISIONS AND SUB-DIVISIONS DURING 1991-92

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FOREWORD

This is the first joint publication between the National Centre for Epidemiology and Population Health and the Australian Bureau of Statistics. I hope it will be the first of many. The work described in this volume began when Dr Jain was working in the Australian Bureau of Statistics and was completed during his time as a visiting fellow at NCEPH in 1993–94. The data described here provides, for the first time, a national overview of age–adjusted cause specific mortality for small areas and it highlights areas in which mortality is statistically outside the national average. It will be an important resource for researchers and administrators around the nation, as they focus on national health goals and targets and on inequalities in health outcomes.

ROBERT M. DOUGLAS
Director

National Centre for Epidemiology
and Population Health
June 1994

PREFACE

This publication provides a compilation and analysis of the mortality experience of the population by age, sex and selected causes of death for Australia, the States and Territories during 1971 to 1992, and for the Statistical Divisions and Subdivisions during 1991 to 1992. The study utilises death statistics compiled from data provided by the State and Territory Registrars of Births, Deaths and Marriages. The statistics are grouped into eleven leading causes of death currently prevalent in Australia. Mortality rates are calculated by sex, age, and causes of death, which are summarised by several other measures of mortality.

Specific features of this study are: (i) the inclusion of a time trend analysis of age-standardised mortality rates by causes of death between 1971 and 1992 for Australia, and the States and Territories, (ii) an examination of regional mortality across Australia, and (iii) the pictorial depiction of the regional differences in age-standardised mortality rates on a statistical significance test scale on the maps of the States/Territories and Australia.

The ABS is encouraging greater objective analysis of the information it releases. This publication demonstrates many insights into Australian mortality and will hopefully assist discussion and decision making at all levels.

A preliminary draft of this study was completed by the author when he worked as a Principal Research Officer in the Australian Bureau of Statistics. The present update has been made possible by the encouragement and support of the National Centre for Epidemiology and Population Health, Canberra, where the author was a visiting fellow during 1993–94 on a secondment from the ABS.

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DISCLAIMER

The views expressed in this publication are entirely mine and may not necessarily reflect those of the two organisations that supported the project.

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June 1994

CONTENTS

INQUIRIES

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CONTENTS — *continued*

TABLES

CONTENTS — *continued*

TABLES — *continued*

FIGURES

CONTENTS — *continued*

FIGURES — *continued*

CONTENTS — *continued*

FIGURES — *continued*

APPENDICES

CONTENTS — *continued*

APPENDICES — *continued*

SUMMARY

Trends in mortality in Australia

Mortality rates in Australia are low in comparison with low mortality countries, but higher than in Japan, Canada and some north–west European countries.

Mortality rates declined throughout the period 1921–92, but the rate of decline was faster during the post-1971 period. In the period 1971–92, the rate of decline for both sexes combined was faster during 1971–81, but for males, the rate of decline was faster in the post-1981 period.

Mortality rates have been higher for males than for females, and in all age groups.

Mortality rates at ages 50 and over for males have declined since 1971 only. The corresponding rates for females have been declining throughout the period 1921–92.

The current mortality levels in Australia will substantially contribute to the ageing of the population, more so for females than males.

Causes of death and mortality

Mortality decline since 1971 has largely been the result of a reduction in mortality from diseases of the circulatory system (heart disease and stroke).

Other trends include increased rates of mortality due to neoplasms and some increases in mortality due to diseases of the respiratory and genitourinary systems. Mortality rates due to chronic liver disease and cirrhosis increased between 1971–81 but have declined since then.

The annual rate of decline in the death rates due to heart disease, cerebrovascular disease, chronic obstructive pulmonary disease and allied conditions (males only), and motor vehicle accidents accelerated over the intercensal periods during 1971–91. For other causes, the rate of decline in the death rates slowed down over time. The increases in the death rates due to diabetes mellitus and suicide among males and chronic obstructive pulmonary disease and allied conditions among females are of importance for any further reduction in mortality in Australia.

The standardised death rate for males in the 1990s was 68 per cent higher than the corresponding rate for females. By cause of death the male-female disparity was highest for deaths due to suicide (4:1), followed by deaths due to chronic liver disease and cirrhosis (3:1), chronic obstructive pulmonary disease and allied conditions (2.6:1), motor vehicle and other accidents (2.4:1), and heart disease (1.7:1). These ratios vary considerably by age.

The median age at death has increased for all causes of death except for motor accidents and suicide (for males).

Accounting most for the years of potential life lost (YPLL) between ages 0 and 65 have been neoplasms for both sexes followed by heart disease among males, and motor vehicle accidents and heart disease for females. Accidents and suicide contribute substantially to the YPLL.

The gain in expectation of life at birth between 1971 and 1992 has been largely contributed by mortality reduction due to heart disease, cerebrovascular disease, and motor vehicle accidents. Over time, the relative contribution of the various ages and causes of death to the overall improvement in mortality changed.

The sex-differential in mortality, having peaked in 1981, has narrowed since 1986. Heart disease and neoplasms have contributed most to the sex-differential in the expectation of life at birth.

State differentials in mortality

The two Territories have the highest (NT) and lowest (ACT) mortality rates. Among the States, Tasmania has the highest mortality and Western Australia the lowest.

With the trend in mortality reduction in Australia, the State-differential in mortality narrowed until 1971. However, with further decline in mortality in the post-1971 period, leaving aside the Northern Territory, the State-differential in mortality has increased.

The ranking of the States and Territories varies by cause of death groups. For some causes of death, the States with high overall mortality, New South Wales and Tasmania, have lower mortality than does Australia.

Despite high overall and cause-specific mortality (for many causes) in the Northern Territory, the contribution of the three leading causes of death—heart disease, malignant neoplasms and cerebrovascular disease—to overall mortality in the Territory in 1991 was lower (49% for males and 46% for females) than in the other States and the Australian Capital Territory, where this proportion ranged between 63 and 66 per cent for males and 65 and 70 per cent for females.

The sex–differential in mortality has narrowed in all the States and Territories.

Spatial variations in mortality

The level of mortality in the statistical subdivisions varied during 1991–92. In comparison with the overall level for Australia, the high and low mortality statistical

subdivisions comprised 26.5 per cent and 32 per cent of the total population of Australia respectively in 1991.

The percentages of the population of each State living in high mortality areas was as follows:

- Northern Territory – 100%
- Tasmania – 91%
- New South Wales – 42%
- Queensland – 19%
- Victoria – 17%
- South Australia – 7.5%
- Western Australia – 5.5%
- Australian Capital Territory – 0%.

The percentage of the total population of the area that is Aboriginal correlated positively with the Standardised Mortality Ratios (SMRs). The value of the correlation coefficient ranged between 0.8 and 0.9 according to the SMR value used in the calculation. Regrettably, reliable data on Aboriginal mortality is not available from State health registrations.

The index of relative socio-economic disadvantage, which is a composite index based on the 1991 Census data on variables that related to the economic resources of households, education, and occupation, also correlated highly with the levels of mortality prevailing in the statistical subdivisions.

The spatial variation in mortality reveals that the inner core area of the capital city of the States/Territories as well as many statistical subdivisions which incorporated large cities, generally fell into the higher mortality regime. The SMRs for Inner Sydney, Fairfield–Liverpool, Inner Western Sydney, Central Western Sydney, Blacktown-Baulkham Hills, Newcastle, Bathurst-Orange, and Queanbeyan in New South Wales; Central Melbourne, Western Inner Melbourne, Ballarat, and Wodonga in Victoria; Ipswich-Moreton Shire Part A, Redcliffe city, Gladstone, Mackay, and Cairns in Queensland; Greater Hobart, Greater Launceston in Tasmania; and Darwin city in the Northern Territory were all significantly above the national average (100). The SMRs for Central Canberra, Townsville city, Wollongong, Logan city, Geelong, Brisbane city, and many subdivisions of capital city divisions were not significantly different from the national level.

The low mortality statistical subdivisions were also found in the capital city statistical divisions except Hobart and Darwin. These include: Lower Northern Sydney, Hornsby-Kuring-gai, Manly-Warringah, Eastern Suburbs, St George-Sutherland in Sydney statistical division; Northern Outer, Eastern Inner, Eastern Middle, Eastern Outer, Eastern Fringe, Southern Inner, Southern Outer in Melbourne statistical division; Beaudesert Shire Part A, and Pine Rivers Shire in Brisbane statistical division; Western and Southern in Adelaide statistical division; Central, East, North and South West Metropolitan in Perth statistical division; and Belconnen, Woden Valley, Weston Creek, and Tuggeranong in Canberra statistical division. All these statistical subdivisions had a higher score value on the socio-economic index scale (above 1000).

The mortality in the coastal areas (excluding those which incorporated the large cities) of Queensland, New South Wales and Victoria was at par with, or slightly lower than, the national average.

The SMRs significantly above the national average by cause of death for areas where 300 or more total deaths were registered during 1991–92 reveal that the high overall mortality areas are not necessarily high on mortality by cause. Also, some areas which had low overall mortality were high on mortality by specific causes (e.g. Wollongong in New South Wales for deaths due to heart disease and cerebrovascular disease).

Introduction

In the course of the twentieth century, one major achievement in the area of population health has been the reduction in mortality. This has prolonged the human life span, more for females than for males, and has contributed to the widening of mortality differentials among the nations. At present, mortality levels are significantly lower in the developed countries than in developing regions of the world. According to the United Nations, the estimated expectation of life at birth, one of the measures of mortality, for the world as a whole for 1990–95 is 65 years for both sexes combined, with 62 years for the 'less developed' regions and 75 years for the 'more developed' regions, a difference of 13 years in favour of the latter. Similarly, the gap in life expectancy of males and females, although favouring females in both regions, is 2 years and 7 years for the two regions respectively (UN: 1993). For the same time period, mortality rates for Australia compare well with those for the 'more developed' regions. The estimated expectation of life at birth for Australia for both sexes combined (77 years) is higher by 2 years, and the infant mortality rate (7 per 1,000 live births) nearly one-half of that estimated for the 'more developed' regions. Despite these low levels, the Australian mortality remains higher than that in Canada, Japan and many north-west European countries. For 1990–95, the Australian expectancy of life at birth is estimated to be less than that in Japan (the lowest mortality country) by 2 years for males and 1.5 years for females. This gives rise to an optimism for further reduction in mortality in Australia. (Table 1).

The current low level of mortality in Australia, as in many developed countries, has been achieved through a steady decline in mortality that began in the middle of the nineteenth century, and paralleled industrial and socio-economic development in these countries. Mortality reduction was achieved through improvements in public health measures such as personal hygiene, safe water supply, and better sewage disposal, and later through better living conditions, better food quality, and advances in medical technology. As a result of these developments mortality rates steadily fell until around the early 1960s. Then followed a decade of mortality stagnation, which led many to believe that the era of mortality decline in Australia had almost ended (Pollard: 1989). But mortality has declined further since 1971. Clinical factors (technological advances and easier access to specialist facilities) and behavioural factors such as dietary improvements, increased fitness, reduced smoking and few motor vehicle accident fatalities were accredited as responsible for the recent decline in mortality (National Population Council: 1991).

Mortality rates fell differently for males and females in different age groups and from different causes of death. Over time, there was a shift in the relative contribution of the various causes of death to the overall mortality level in the country.

Spatial variations in mortality for various diseases are known to exist in Australia. However, this aspect has been explored only for some selected areas. Burnley

TABLE 1 MORTALITY INDICES IN SELECTED LOW MORTALITY COUNTRIES, 1990–95

			Expectation of life at birth		
Region/country	*Crude death rate (a)*	*Infant mortality rate (b)*	*Both sexes (c)*	*Males (c)*	*Females (c)*
World	9.2	62	64.7	62.7	66.7
More developed regions	9.6	12	74.6	71.0	78.0
Less developed regions	9.1	69	62.4	61.1	63.9
Japan	7.0	5	78.7	75.9	81.6
Switzerland	10.1	7	78.0	74.7	81.2
Sweden	11.9	6	77.9	75.2	80.8
Canada	7.7	7	77.4	74.2	80.7
France	10.3	7	76.9	73.0	80.8
Australia	7.6	7	76.9	73.8	80.1
U.K.	11.5	7	76.2	73.7	78.7
U.S.A.	8.7	8	75.9	72.6	79.3
Finland	10.1	6	75.7	71.7	79.6
New Zealand	8.3	8	75.7	72.7	78.7
Denmark	11.2	7	75.6	72.7	78.5

(a) Per 1,000 population, (b) Per 1,000 live births, (c) Years.
Source: United Nations (1993) *World population prospects, 1992*. Department for Economic and Social Information and Policy Analysis. New York.

(1977) examined variations in cause–specific mortality within the Sydney metropolitan area, and cited the works of Krupinski and Stoller (1971), Learmonth and Nicholos (1965), and Wilson (1973), which studied spatial variations in mortality for local areas, statistical divisions, and State capital cities respectively. He also studied mortality due to cancers of various sites in the New South Wales and Sydney regions (1991, 1992a, 1992b). Dobson *et al.* (1988) studied ischaemic heart disease mortality in the Hunter region of New South Wales. A study commissioned by the 'The Age' newspaper examined cause–specific mortality among the various regions of Victoria during 1979–83 (1991). Two similar studies were undertaken by the South Australian Health Commission (1990, and Glover and Woollacot, 1992).

The study

The study examines trends, differentials, and spatial variations in mortality in Australia. It differs from the previous studies in many respects: (i) it focuses on the entire country, (ii) it examines the causes of death which are currently most prevalent in Australia, (iii) it provides time series mortality rates, and (iv) it tests whether mortality differentials between statistical divisions/subdivisions and Australia, and between statistical subdivisions and the constituent State are statistically significant.

The study uses recorded mortality statistics by cause of death in conjunction with population estimates, both of which are compiled by the Australian Bureau of Statistics as part of its routine processing of demographic statistics.

The study spans over the period of the last 23 years, 1970 to 1992, which was selected for two reasons: firstly, the history of mortality decline in Australia has revealed a resurgence in mortality reduction since 1971 after a period of no decline in mortality in the 1960–70 decade; and secondly, the availability of the annual population estimates on a usual residence basis for Australia, the States and Territories since 1971.

The differentials in mortality are examined by two demographic characteristics, the sex and age of the population. The causes of death studied are the eleven major causes (or groups of causes) according to the Ninth Revision of the International Classification of Diseases (ICD-9), which collectively accounted for 84 per cent of total deaths recorded in Australia during the 1990–92 trienium.

Spatial variations in mortality at the State and Territory level are also examined by sex and age in terms of the eleven causes of death over the period 1970–92. However, at the sub–State level, mortality variations are examined over a combined period 1991–92 for a group of the statistical local areas (SLAs)—the statistical subdivisions and statistical divisions. The grouping was essential owing to the small number of deaths recorded for many SLAs. The two year time span of 1991–1992 was chosen as the registered deaths since 1 January 1991 had been coded according to the new geographical classification adopted by the ABS (Cat. No. 1216.0).

The data and methods

The data used in the study are recorded mortality statistics and population estimates, both by age and sex of the population. In addition, death statistics classified by causes of death are used.

The Australian Bureau of Statistics compiles death statistics from data made available by the Registrar of Births, Deaths and Marriages in each State and Territory. Death registration is compulsory and complete. Statistics on deaths are produced on the basis of the year of registration and not of occurrence. The gap between registration and occurrence of death is minimal as the legislative requirement within each State and Territory ensures registration of a death within a specified time after its occurrence. This interval varies from State to State but extends to a maximum of one month only. In 1992, 94.3 per cent of all registered deaths had occurred in the same year.

Information on causes of death is supplied by the medical practitioner certifying the death, or by a coroner. The recorded cause of death on the death certificate relates to the underlying cause and not to the ultimate cause of death. Since 1979, the causes of death have been classified according to the Ninth Revision of the World Health Organization's International Classification of Diseases (ICD).

The Ninth Revision of the ICD specifies around 1,000 causes of death and each cause is identified by a unique code number. Deaths registered during the years 1970–72 and 1975–77, which were coded according to the Eighth Revision of the ICD, have been re-coded for this study in order to make them comparable with the Ninth Revision.

The causes of death selected for this study and their grouping are shown in Table 2. The residual category 'other causes' comprises deaths not classified into the first 11 categories. In 1992, with the exception of deaths due to three causes, namely atherosclerosis (ICD 440), aortic aneurysm (ICD 441) (diseases of arteries and capillaries), and senile, and presenile organic psychotic conditions (ICD 290) (diseases of mental disorder), all the single causes included in this category had fewer than one thousand deaths for both sexes. Infant deaths due to congenital anomalies, conditions originating in the perinatal period, and symptoms, signs and ill-defined conditions (87 per cent of total infant deaths in 1992) also formed part of this category.

Australian population estimates by age and sex, as at 30 June of each year, are compiled by the Australian Bureau of Statistics by updating census date estimates by the components of population change (births, deaths and overseas migration). The State and Territory population estimates also incorporate interstate migration. Since 1971, the census date estimates have been compiled on a usual residence basis and have allowed an adjustment for the under-enumeration of the population and an estimate of the Australian residents temporarily overseas at the census date. The population with usual residence overseas (as specified at the census) is excluded from the population estimates.

Population estimates by age and sex for the SLAs have been compiled since 1986 only. Various techniques are used in their compilation (ABS: 1991).

Mortality rates calculated for this study are for three yearly periods, 1970–72, 1975–77, 1980–82, 1985–87, 1990–92 and for the single year 1992. Average deaths during the periods have been used in conjunction with the population estimates at 30 June of the year pivoting the respective period. For convenience, the periods have been referred to by a single year signifying the census year – 1971, 1976, 1981, 1986 and 1991.

Spatial variation in mortality is examined based on death registrations during 1991 and 1992 and population estimates by age and sex at 30 June 1991 for 190 statistical subdivisions (and 58 statistical divisions) throughout Australia. The Australian Bureau of Statistics adopted a new geographical classification in 1991, and because of this, deaths registered before 1991 could not be classified according to the new classification. A list of these statistical divisions/subdivisions and their constituent SLAs is given in Appendix 1.

The mortality indices calculated for this study are many and varied. They include crude death rates, age–sex–cause–specific death rates, standardised death rates, life tables, cause–specific life tables, life tables after elimination of a cause, and standardised mortality ratios (SMR) and their statistical significance. A description of these indices is given in Appendix 2. Appendix 3 gives detailed mortality tables separately for Australia, the States and Territories.

TABLE 2 GROUPING OF THE CAUSES OF DEATH INTO ELEVEN CATEGORIES, ICD CODES, AUSTRALIA

Category number	*Description of diseases underlying the cause of death*	*ICD codes IXth revision*	*Deaths in 1990–92*	
			no.	*%*
1	Heart disease	393–398, 402, 404, 410–416, 420–429	114481	31.55
2	Malignant neoplasms(cancer)	140–208	93782	25.84
3	Cerebrovascular disease (stroke)	430–438	35954	9.91
4	Chronic obstructive pulmonary disease and allied conditions (including asthma, emphysema and bronchitis)	490–496	18915	5.21
5	Motor vehicle traffic accidents	810–819	6776	1.87
6	Other accidents	800–809, 820–949	7903	2.18
7	Pneumonia and influenza	480–487	5612	1.55
8	Diabetes mellitus	250	6877	1.90
9	Suicide	950–959	6815	1.88
10	Nephritis, nephrotic syndrome and nephrosis	580–589	3970	1.09
11	Chronic liver disease and cirrhosis	571	3311	0.91
	Other causes	Remainder of above	58472	16.11
	All causes		**362868**	**100.00**

Source: World Health Organization (1977) Manual of the international statistical classification of diseases, injuries, and causes of death: Geneva.

Overall mortality

With a population of nearly 17 million, Australia recorded a total of 123,660 deaths in 1992. This represented a crude death rate of 7.1 deaths per 1,000 population for that year.

Table 3 and Figure 1 give a picture of mortality transition in Australia between 1921 and 1992. Overall, the crude death rate fell by 29 per cent from a level of 9.9 per 1,000 in 1921 to 7.0 in 1991. The decline occurred in three stages, from 1921 to 1961, 1961 to 1971, and since 1971 to the present. The annual rate of mortality decline was fastest in the post-1971 period, 0.98 per cent, as opposed to 0.34 per cent in 1921–61 and 0.11 per cent in 1961–71.

Between 1921 and 1992, the Australian population grew older, the median age of the population rising from 25.8 years in 1921 to 32.7 years in 1992. If this change in the age distribution of population is taken into account, the age–standardised death rates between 1921 and 1991 fell by 49 per cent for males and 62 per cent for females.

The annual average rate of decline in the standardised death rates during 1921–91 was 0.98 per cent for males and 1.40 per cent for females, and again, the standardised death rates declined fastest between 1971 and 1991.

The other two mortality indices, the infant mortality rate and the expectation of life at birth (given in Table 3) also indicate mortality decline between 1921 and 1992.

The infant mortality rate in 1992 attained the lowest level ever recorded in Australia, 7.8 and 5.9 infant deaths per 1,000 live births in a year for boys and girls respectively.

The expectation of life at birth according to mortality prevailing in 1921 was 59.1 and 63.3 years for males and females respectively. By 1992, these averages had increased by 15 years for males and 17 years for females to yield the highest expectations of life at birth ever recorded in Australia (74.5 years for males and 80.5 years for females). Both the standardised death rate and the expectation of life at birth show stagnation in mortality decline during the 1960s.

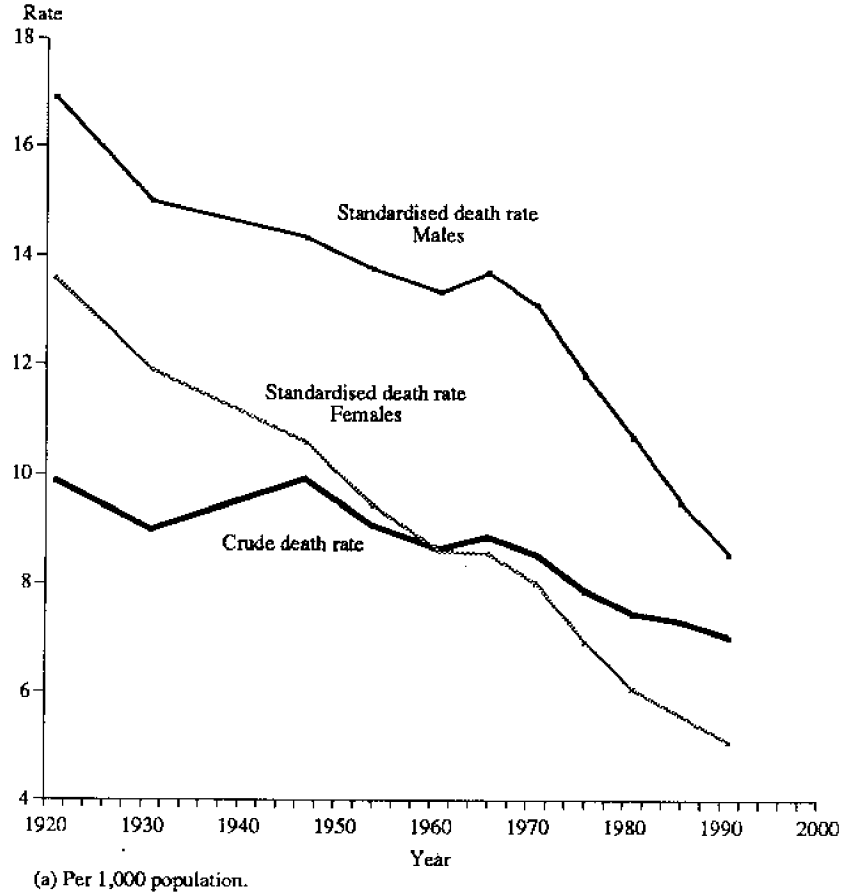
TABLE 3 CRUDE DEATH RATES, STANDARDISED DEATH RATES, INFANT MORTALITY RATES AND EXPECTATION OF LIFE AT BIRTH, AUSTRALIA, 1921–1992

	Crude death	*Standardised death rate (a)*		*Infant mortality rate (b)*		*Expectation of life at birth (c)*	
Year	*rate (a)*	*Males*	*Females*	*Males*	*Females*	*Males*	*Females*
1921	9.87	16.89(d)	13.56(d)	71.32	55.68	59.15	63.31
1931	8.96	14.97	11.89	45.43	36.42	63.48	67.14
1947	9.89	14.33	10.58	31.99	25.19	66.07	70.63
1954	9.04	13.76	9.43	25.21	19.89	67.14	72.75
1961	8.60	13.33	8.59	22.39	17.57	67.92	74.18
1966	8.83	13.69	8.54	20.93	16.39	67.63	74.15
1971	8.51	13.09	7.99	19.49	15.01	68.17	74.86
1976	7.85	11.80	6.93	15.01	11.84	69.62	76.63
1981	7.43	10.67	6.06	11.47	9.05	71.22	78.34
1986	7.27	9.47	5.58	10.30	7.94	72.83	79.29
1991	7.00	8.53	5.09	8.26	6.47	74.30	80.41
1992	7.07	8.41	5.05	7.77	5.89	74.54	80.54
			Percentage change during periods				
1921–61	–12.87	–21.08	–36.65	–68.61	–68.44	14.83	17.17
1961–71	–1.05	–1.80	–6.98	–12.95	–14.57	0.37	0.92
1971–91	–17.74	–34.84	–36.30	–57.62	–56.90	8.99	7.41
1921–91	–29.08	–49.50	–62.46	–88.42	–88.38	25.61	27.01
			Annual percentage rate of change during periods(e)				
1921–61	–0.34	–0.59	–1.14	–2.90	–2.88	0.35	0.40
1961–71	–0.11	–0.18	–0.72	–1.39	–1.57	0.04	0.09
1971–91	–0.98	–2.14	–2.25	–4.29	–4.21	0.43	0.36
1921–91	–0.49	–0.98	–1.40	–3.08	–3.07	0.33	0.34

Note: Values for years 1921 to 1991 are three-yearly averages around census years. (a) Per 1,000 population, (b) Per 1,000 live births, (c) Years, (d) For 1921 only. Standardised death rates for years 1921 to 1966 use 1988 Australian population as standard, whereas those for years since 1971 use 1986 Australian population as standard. (e) Geometric rate of change.

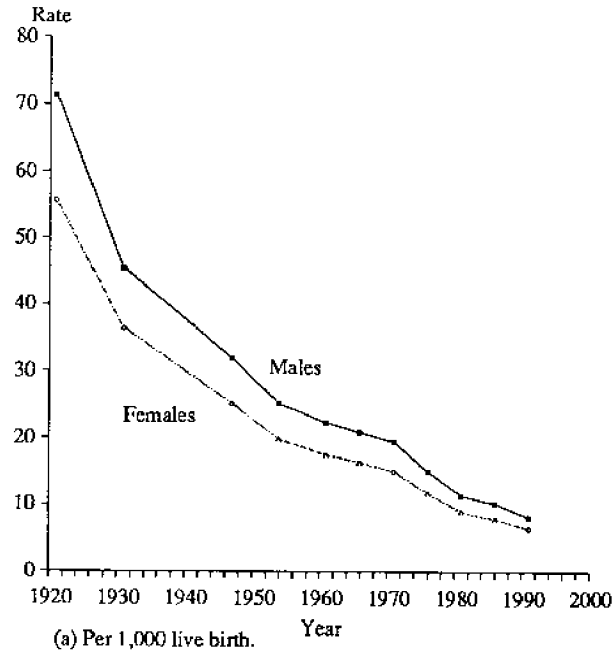
Source: *Demography Bulletin* for various years. *Statistician's Report* for various census years. Standardised rates from 1921 to 1966 are from d'Espaignet E T, van Ommeren M, Taylor F, Briscoe N and Pentony P (1991) *Trends in Australian mortality 1921–1988*. Australian Institute of Health: Mortality Series No. 1, AGPS, Canberra. Figures from 1971 onwards are calculated from published data. Infant mortality rates and expectations of life at birth from 1921 to 1966 are from published complete life tables. These indices for years since 1971 are from the abridged life tables calculated for this publication.

FIGURE 1.1 CRUDE AND STANDARDISED DEATH RATES(a), AUSTRALIA



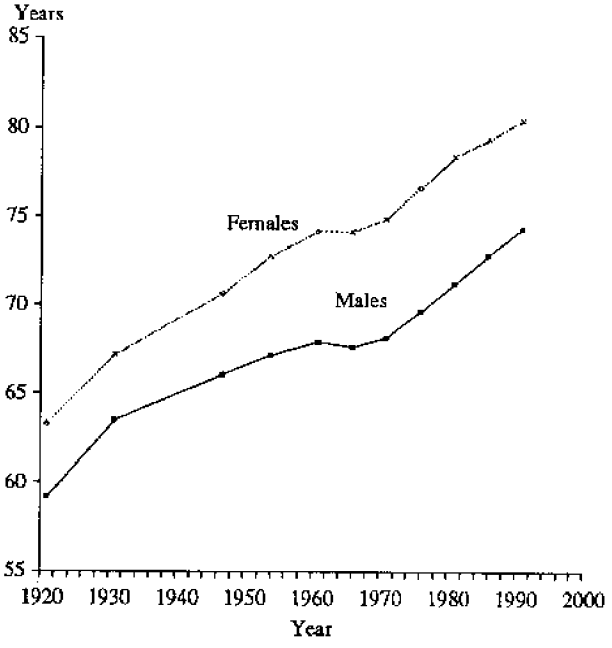
(a) Per 1,000 population.

FIGURE 1.2 INFANT MORTALITY RATE(a), AUSTRALIA



(a) Per 1,000 live birth.

FIGURE 1.3 EXPECTATION OF LIFE AT BIRTH AUSTRALIA



Between 1961 and 1966, the standardised death rate increased slightly for males but for females the rate declined. The expectation of life at birth fell only slightly for both sexes. Reduction in mortality continued, but rapid decline occurred only after 1971. In the 1971–91 period, the rate of mortality decline was faster during 1971–81 than 1981–91, but for males the rate of decline was faster during the 1981–91 decade.

Sex differentials

Mortality rates for males have exceeded those for females throughout this century. Over time, the sex–differential in mortality has increased in favour of females. In 1921, the standardised death rate for males was 25 per cent higher than that for females. This differential peaked at 76 per cent in 1981, and has since fallen to 68 per cent in the early 1990s.

The difference in the expectation of life at birth between males and females was four years in favour of females in 1921. It rose continuously to seven years in 1981, to fall again to six years in 1992. The sex–differential in mortality by age and cause of death is described later.

Age differentials

The incidence of mortality is not uniform throughout all ages in the population. In developing societies, the age curve of mortality, when plotted on a log scale, is U–shaped, depicting a high infant mortality rate, followed by declining rates to ages 10–14, gradually rising rates to ages around 50 and then steeply rising rates in the older ages. The developed countries, on the other hand, follow a J–shape curve depicting very low infant mortality, low rates in the 1–14 age group, steeply rising rates in the 15–24 age group, slightly falling rates in the 25–29 age group and then rising rates at ages beyond 30.

Figure 2 compares the age–specific mortality rates for males and females according to the 1921, 1971 and 1991 life tables. It shows that the Australian mortality curve is J–shaped. Between 1921 and 1991, persons of all ages benefited from mortality reduction with the highest decline occurring for children aged under 15.

One noteworthy feature of mortality decline between 1921 and 1971 and between 1971 and 1991 has been the reduction of mortality among males aged 50 years and over, which has occurred since 1971 only. Mortality reduction among females of the same ages continued throughout the period 1921–91.

Mortality rates at selected ages are discussed below. The relevant tables for time series rates are Table 4, Appendix Table T0.1 and T0.2A. Figure 3 depicts some of these rates in graphical form.

The infant mortality rate

There were 1,843 infant deaths registered in Australia in 1992. They accounted for 1.5 per cent of total deaths – being the lowest proportion of infant deaths ever recorded in one year. In 1971, the corresponding proportion was 4.1 per cent. More than half of the infant deaths occur within the first week following birth (54% in 1992).

The infant mortality rate fell dramatically from levels of 71.3 and 55.7 infant deaths per 1,000 boys and girls born in 1921 to 19.5 and 15.0 infant deaths for boys and girls respectively in 1971. Further reductions occurred continuously until 1992 when these levels reached 7.8 and 5.9 infant male and female deaths respectively.

Between 1971 and 1991, mortality rates at age 0 recorded the fastest decline (over 4 per cent per year) in comparison with all other age groups.

Mortality in the 1–14 years age groups

In 1992, 831 deaths or 0.7 per cent of total deaths were registered in the entire age range of 1–14 years. In comparison, this figure was 1.6 per cent in 1971.

The mortality rate in the 1–14 years age group was 3.6 per 1,000 among males and 2.9 per 1,000 for females in 1992, having declined from 8.2 and 6.0 per 1,000 males and females respectively in 1971.

Within the 1–14 age range, however, the lowest mortality rate until the 1970s was found among the 10–14 years old, but in the early 1990s, the lowest rate was recorded among the 5–9 years old.

Mortality in the 15–44 years age groups

The age group 15–44 accounted for 6.5 per cent of total deaths registered in 1992, having fallen from 7.3 per cent in 1971. Between 1971 and 1992, the probability of dying in this age range declined from 57 to 40 per 1,000 for males and from 31 to 18 per 1,000 for females. The decline occurred in each five–year age group and was greater for females than males generally. The rate of mortality decline, however, was least among males aged 25–29 and females aged 20–24. The mortality rates in five–year age groups for males aged 25–34 increased slightly in the late 1980s but their levels were still lower than those in 1971.

Mortality in the 45–64 years age groups

Both the number and the percentage of deaths in this age range declined between 1971 and 1992. In 1992, 18 per cent of total deaths were registered in this age range having declined from 24 per cent in 1971.

FIGURE 2.1 AGE-SPECIFIC MORTALITY RATES(a), AUSTRALIA

MALES

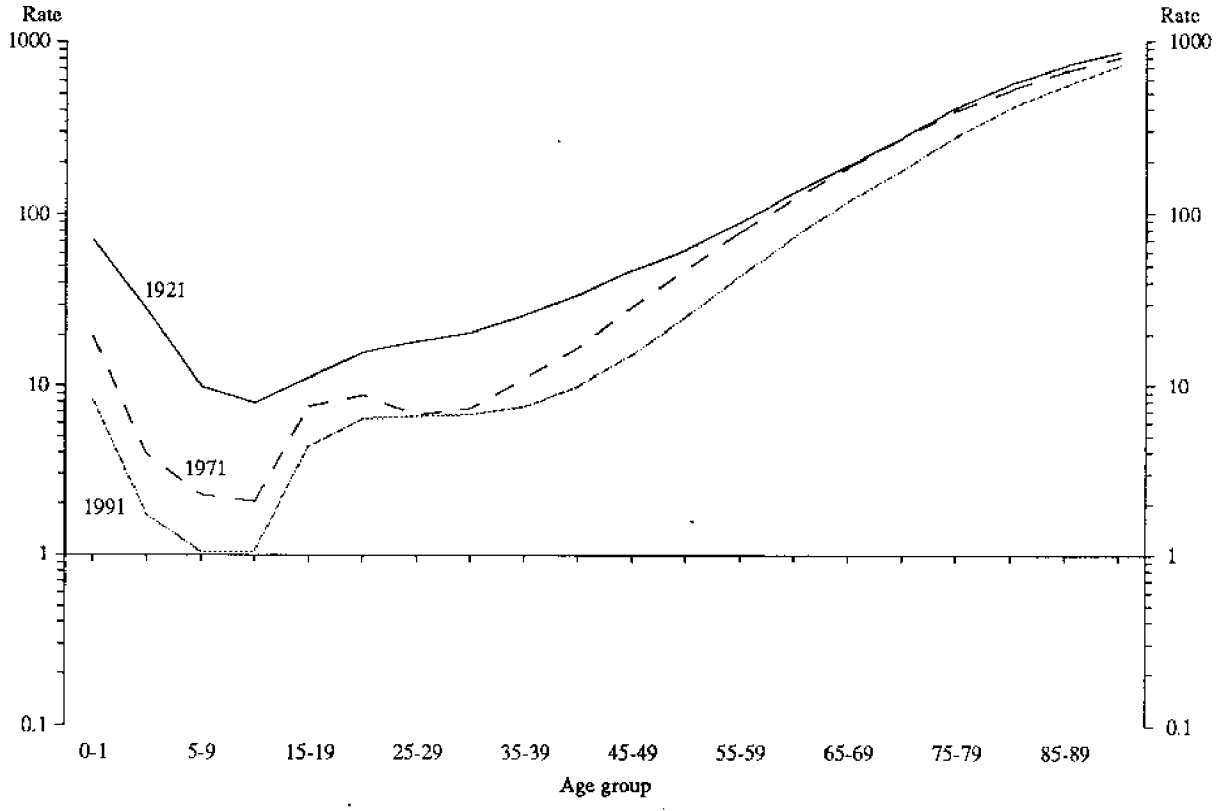
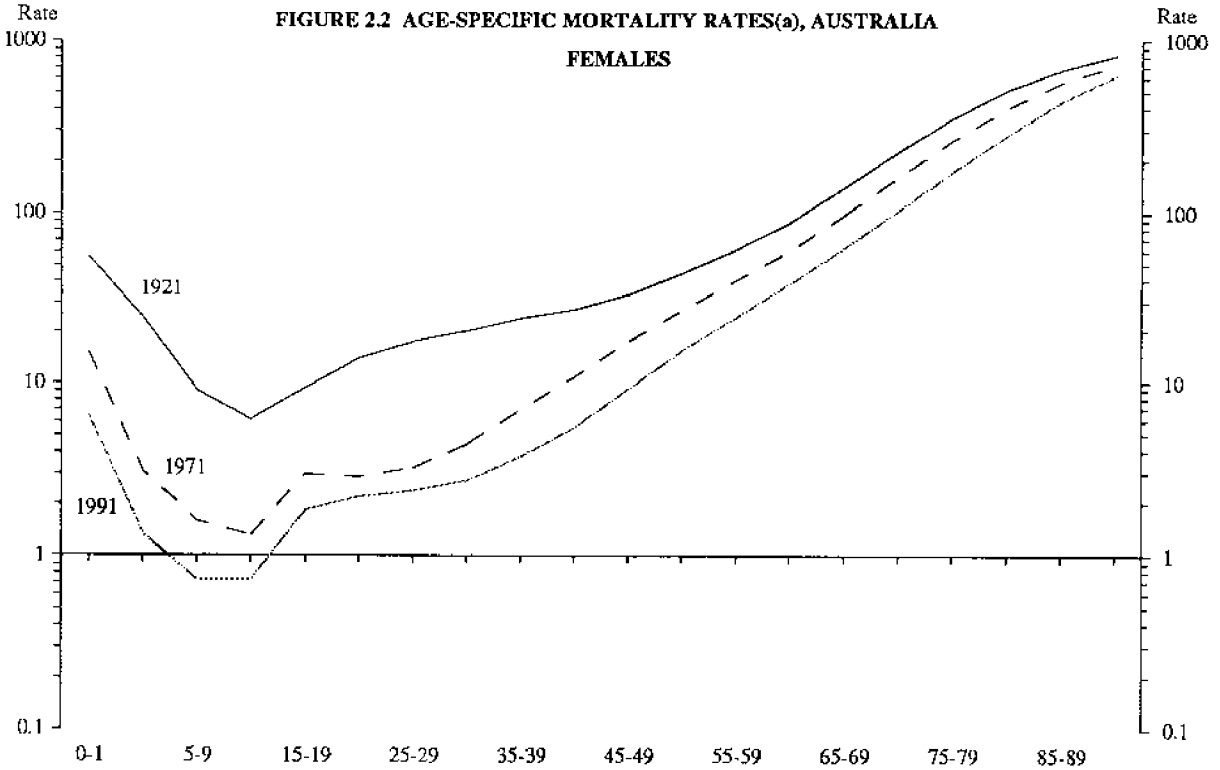


FIGURE 2.2 AGE-SPECIFIC MORTALITY RATES(a), AUSTRALIA

FEMALES



(a) Per 1,000 population at the beginning of the age.

TABLE 4 AGE-SPECIFIC MORTALITY RATES(a) AND ANNUAL RATE OF CHANGE, AUSTRALIA, 1921, 1971, AND 1991

	Mortality rates						*Annual rate of change (%)*			
	1921		*1971*		*1991*		*1921–71*		*1971–91*	
Age group	*Males*	*Females*	*Males*	*Females*	*Males*	*Females*	*Males*	*Females*	*Males*	*Females*
0–1	71.32	55.68	19.49	15.01	8.26	6.47	-2.59	-2.62	-4.29	-4.21
1–4	27.84	24.19	3.92	3.09	1.72	1.34	-3.92	-4.12	-4.12	-4.18
5–9	9.90	9.05	2.25	1.59	1.04	0.73	-2.96	-3.48	-3.86	-3.89
10–14	7.88	6.14	2.04	1.31	1.04	0.73	-2.70	-3.09	-3.37	-2.92
15–19	11.14	9.33	7.54	2.97	4.38	1.82	-0.78	-2.29	-2.72	-2.45
20–24	15.72	14.08	8.77	2.86	6.40	2.19	-1.17	-3.19	-1.58	-1.33
25–29	18.25	17.53	6.69	3.22	6.57	2.37	-2.01	-3.39	-0.09	-1.53
30–34	20.66	20.16	7.36	4.46	6.76	2.73	-2.06	-3.02	-0.43	-2.45
35–39	26.26	24.04	11.15	7.01	7.56	3.77	-1.71	-2.46	-1.94	-3.10
40–44	34.31	27.08	16.95	10.89	10.03	5.56	-1.41	-1.82	-2.62	-3.36
45–49	47.54	33.46	29.42	17.66	15.38	9.29	-0.96	-1.28	-3.24	-3.21
50–54	62.96	44.95	48.14	26.96	25.69	15.62	-0.54	-1.02	-3.14	-2.73
55–59	89.94	62.08	79.52	40.96	44.41	24.51	-0.25	-0.83	-2.91	-2.57
60–64	134.10	89.71	124.89	61.61	74.86	38.95	-0.14	-0.75	-2.56	-2.29
65–69	192.29	142.29	187.90	98.65	119.52	63.21	-0.05	-0.73	-2.26	-2.23
70–74	280.18	229.26	275.33	163.47	182.83	104.97	-0.03	-0.68	-2.05	-2.21
75–79	416.69	356.37	399.57	266.97	285.32	175.57	-0.08	-0.58	-1.68	-2.10
80–84	574.73	517.19	527.44	406.76	415.33	285.91	-0.17	-0.48	-1.19	-1.76
85–89	729.54	676.93	672.25	576.64	557.53	447.84	-0.16	-0.32	-0.94	-1.26
90–94	857.08	817.37	806.36	725.45	720.40	629.63	-0.12	-0.24	-0.56	-0.71

Note: (a) Per 1,000.
Source: Rates for 1921 are based on complete life tables calculated by Commonwealth Statistician, and for other years the rates are based on abridged life tables.

The probability of dying in the 45–64 age group declined from 256 to 148 per 1,000 for males and from 140 to 85 per 1,000 for females between 1971 and 1992. The mortality rates declined in each five–year age group. The rate of decline was faster for males than females.

Mortality in the 65–84 years age groups

As opposed to the 45–64 age group, both the absolute number and the percentage of total deaths in the 65–84 age range increased between 1971 and 1992. In 1992, 54.5 per cent of total deaths occurred at these ages.

The probability of dying in this age group decreased from 833 per 1,000 in 1971 to 698 per 1,000 in 1992 among males and from 672 per 1,000 in 1971 to 506 per 1,000 in 1992 for females. Mortality rates declined at a faster rate for females than males.

Mortality in the 85+ years age groups

In 1992, 21 per cent of total deaths were registered in this age range. Between 1971 and 1992, mortality rates in each five–year age group declined and the rate of decline was faster for females than males.

Life tables

Survivors to an exact age

The life table function l_x (survivors to an exact age x) summarises cumulative mortality experience from birth to age x. The 1971 life tables revealed that 89 per cent of newly–born boys and 93 per cent of newly–born girls would be alive by age 50 if subject to mortality rates observed in 1971. According to the 1992 mortality experience, these percentages would be still higher: 94 per cent of boys and 96 per cent of girls.

The cumulative mortality experience to age 70 showed phenomenal improvement in the percentage of male survivors to age 70. It increased from 55 per cent in the 1971 life tables to 71 per cent according to the 1992 life tables. This occurred because of the rapid mortality decline among males aged 50 and over after 1971. The corresponding proportions for female survival were 74 per cent and 84 per cent according to the 1971 and 1992 mortality experiences.

It is interesting to note that 24 per cent of newly–born boys and 44 per cent of newly–born girls would be alive by age 85 if subject to the mortality rates prevailed in Australia in 1992. This would contribute to the ageing of the Australian population.

Expectation of life at an age

An index of overall mortality, measuring the average number of years remaining to live after being alive at a particular age, summarises the mortality situation from that age onwards. Expectation of life at birth, which gives the average number of years a newly–born infant could look forward to live according to the mortality rates of a given year, increased from 68 years to 74.5

FIGURE 3.1 AGE-SPECIFIC MORTALITY RATES(a), AUSTRALIA MALES

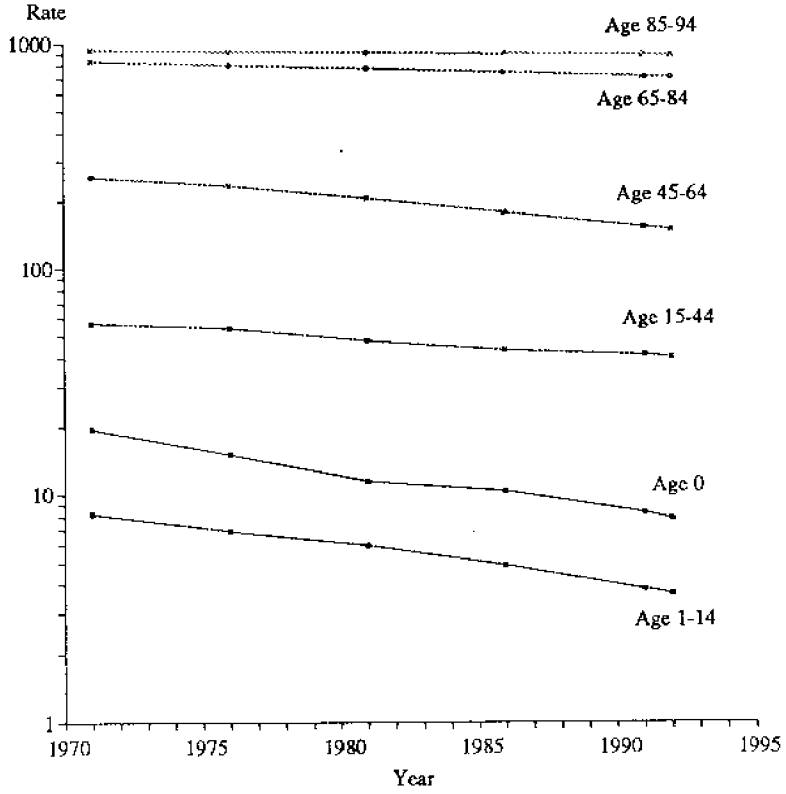
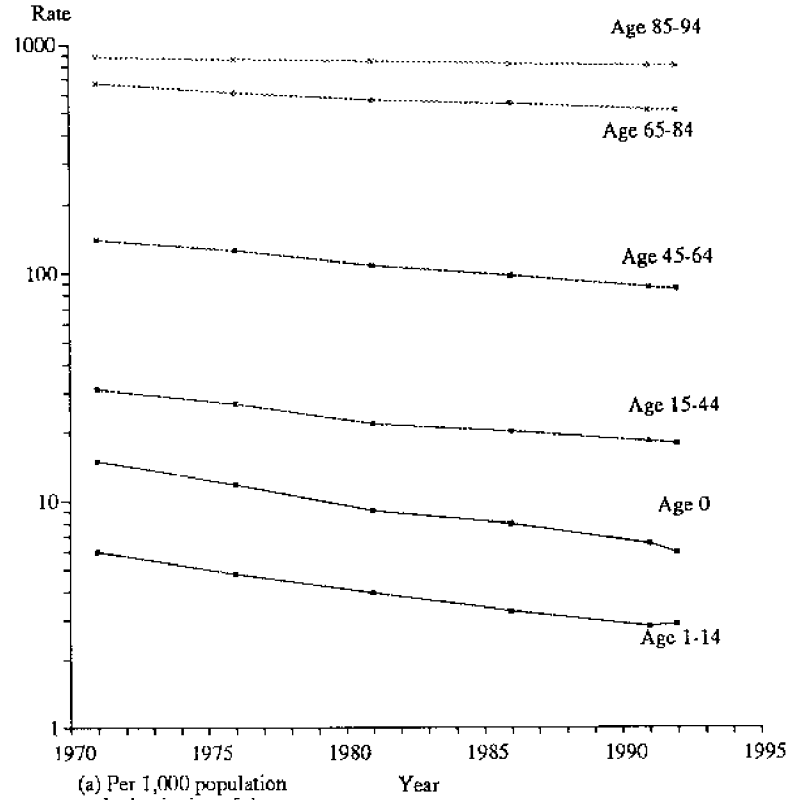


FIGURE 3.2 AGE-SPECIFIC MORTALITY RATES(a), AUSTRALIA FEMALES



(a) Per 1,000 population at the beginning of the age.

FIGURE 3.3 SURVIVORS AT AN EXACT AGE, AUSTRALIA

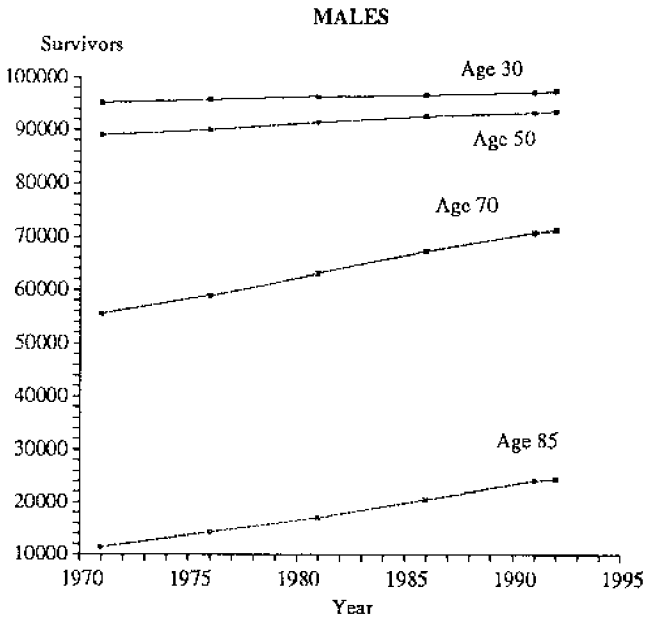


FIGURE 3.4 SURVIVORS AT AN EXACT AGE, AUSTRALIA

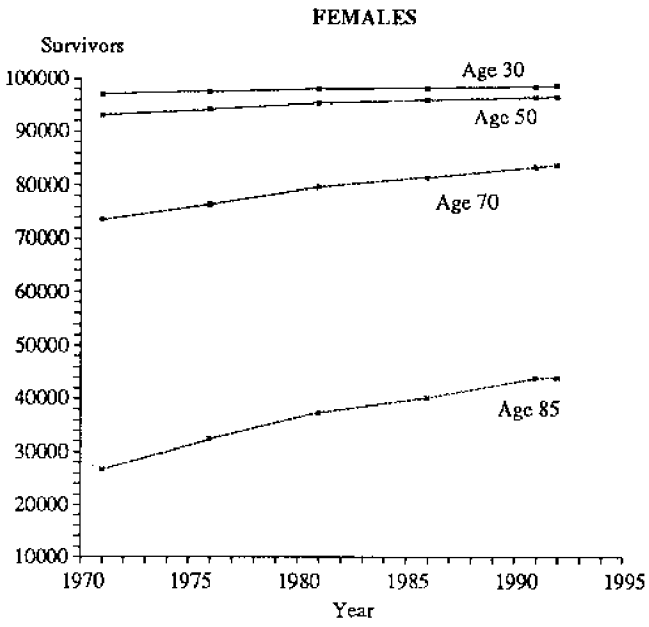


FIGURE 3.5 EXPECTATION OF LIFE AT AN EXACT AGE, AUSTRALIA

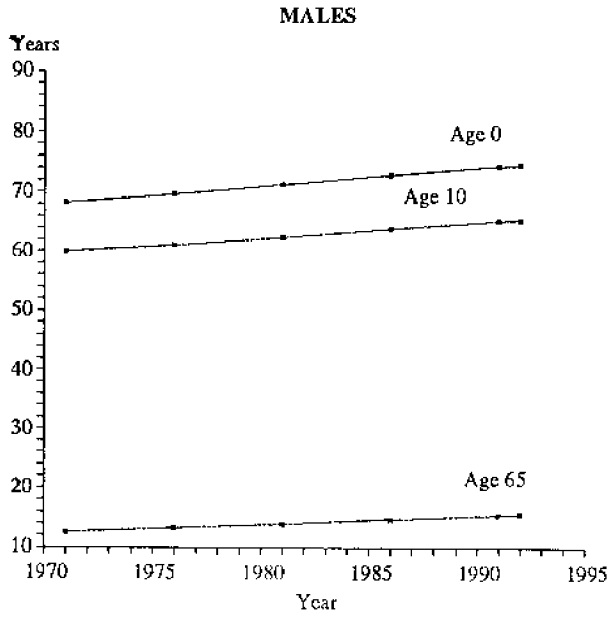
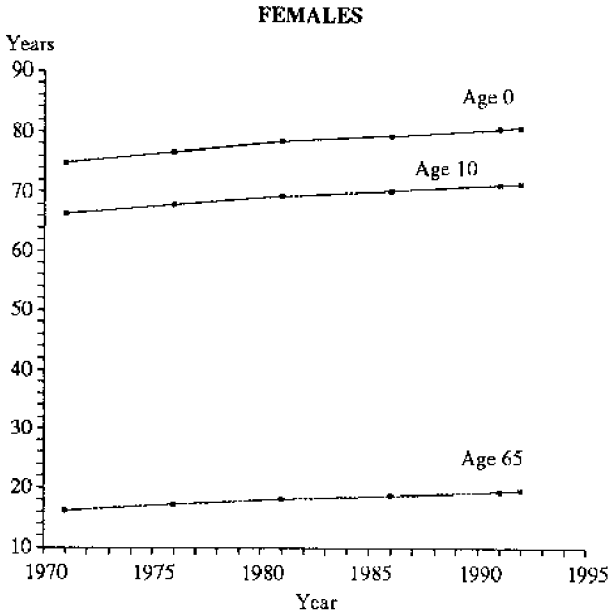


FIGURE 3.6 EXPECTATION OF LIFE AT AN EXACT AGE, AUSTRALIA



years among boys and from 75 years to 80.5 years for girls according to the 1971 and 1992 life tables.

The expectation of life for males at age 50 increased after 1971 only. It was 22 years, 23 years and 28 years according to the life tables for 1921, 1971 and 1992. The corresponding increase in the expectation of life at age 50 for females was continuous, from 25 years to 28 years and then to 32 years according to the 1921, 1971 and 1992 life tables. (Figure 3 and Appendix Table T0.2A and the life table for 1921 calculated by the Commonwealth Statistician).

Causes of death

The analysis in this section is based on the mortality rates derived by using the average number of deaths during 1970–72 and 1990–92 (centred at 1971 and 1991 respectively). The end year 1992 was not selected to avoid the fluctuation in the rates based on one year data (ie deaths in 1992). The time series of rates is given in Tables 5 and 5A, Figure 4, and Appendix Tables T0.3 and T0.4. The median age at death by cause of death and sex is given in Table 6 and Figure 5.

TABLE 5 STANDARDISED CAUSE-SPECIFIC DEATH RATES (a) AND THE RATIO OF MALE TO FEMALE RATES, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

Cause of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
			Male rates			
Heart disease	5.122	4.480	3.874	3.258	2.689	2.619
Neoplasms	2.107	2.184	2.290	2.281	2.256	2.264
Cerebrovascular	1.591	1.337	1.088	0.831	0.674	0.650
Chronic obs. pul.	0.753	0.706	0.696	0.631	0.550	0.559
Motor vehicle accidents	0.435	0.394	0.340	0.260	0.186	0.164
Other accidents	0.357	0.321	0.268	0.223	0.209	0.202
Pneumonia and influenza	0.395	0.304	0.211	0.144	0.131	0.141
Diabetes mellitus	0.175	0.155	0.134	0.141	0.147	0.145
Suicide	0.185	0.168	0.177	0.199	0.209	0.208
Nephritis and nephrosis	0.074	0.075	0.087	0.082	0.087	0.084
Chronic liver	0.091	0.127	0.128	0.110	0.094	0.093
Other diseases	1.803	1.553	1.378	1.305	1.294	1.287
All diseases	**13.090**	**11.802**	**10.672**	**9.466**	**8.526**	**8.414**
			Female rates			
Heart disease	2.822	2.391	2.037	1.819	1.555	1.542
Neoplasms	1.308	1.301	1.308	1.351	1.345	1.328
Cerebrovascular	1.510	1.255	0.975	0.754	0.599	0.573
Chronic obs. pul.	0.135	0.147	0.166	0.199	0.211	0.227
Motor vehicle accidents	0.151	0.138	0.117	0.101	0.077	0.074
Other accidents	0.179	0.155	0.116	0.096	0.089	0.086
Pneumonia and influenza	0.237	0.183	0.122	0.092	0.081	0.080
Diabetes mellitus	0.171	0.131	0.111	0.110	0.108	0.112
Suicide	0.087	0.066	0.058	0.054	0.053	0.052
Nephritis and nephrosis	0.056	0.052	0.067	0.066	0.064	0.060
Chronic liver	0.037	0.045	0.045	0.038	0.032	0.030
Other diseases	1.297	1.062	0.942	0.903	0.875	0.885
All diseases	**7.990**	**6.925**	**6.064**	**5.583**	**5.088**	**5.049**
			Ratio of male to female rates			
Heart disease	1.815	1.874	1.902	1.791	1.730	1.699
Neoplasms	1.611	1.678	1.751	1.688	1.677	1.705
Cerebrovascular	1.054	1.065	1.116	1.103	1.125	1.134
Chronic obs. pul.	5.571	4.805	4.205	3.179	2.610	2.460
Motor vehicle accidents	2.886	2.867	2.899	2.579	2.409	2.226
Other accidents	1.995	2.072	2.305	2.319	2.351	2.361
Pneumonia and influenza	1.671	1.660	1.727	1.560	1.622	1.751
Diabetes mellitus	1.028	1.182	1.204	1.279	1.362	1.291
Suicide	2.117	2.546	3.032	3.694	3.961	3.972
Nephritis and nephrosis	1.325	1.440	1.300	1.238	1.365	1.391
Chronic liver	2.469	2.798	2.865	2.873	2.911	3.062
Other diseases	1.390	1.462	1.463	1.446	1.478	1.453
All diseases	1.638	1.704	1.760	1.696	1.676	1.666

Note: (a) Per 1,000. Total population of Australia in 1986 in conventional five-year age groups is used as standard.
Source: Appendix 3, Australia, Table T0.4

TABLE 5A PER CENT ANNUAL RATE OF CHANGE IN STANDARDISED CAUSE–SPECIFIC DEATH RATES, INTERCENSAL PERIODS 1971 TO 1991

Cause of death	*1971–76*	*1976–81*	*1981–86*	*1986–91*
		Male rates		
Heart disease	-2.68	-2.91	-3.46	-3.84
Neoplasms	0.72	0.95	-0.08	-0.22
Cerebrovascular	-3.48	-4.12	-5.39	-4.19
Chronic obs. pul.	-1.29	-0.29	-1.96	-2.75
Motor vehicle accidents	-1.98	-2.95	-5.37	-6.70
Other accidents	-2.13	-3.61	-3.68	-1.30
Pneumonia and influenza	-5.24	-7.30	-7.64	-1.89
Diabetes mellitus	-2.43	-2.91	1.02	0.83
Suicide	-1.93	1.04	2.34	0.98
Nephritis and nephrosis	0.27	2.97	-1.18	1.18
Chronic liver	6.67	0.16	-3.03	-3.14
Other diseases	-2.99	-2.39	-1.09	-0.17
All diseases	-2.07	-2.01	-2.40	-2.09
		Female rates		
Heart disease	-3.31	-3.20	-2.26	-3.14
Neoplasms	-0.11	0.11	0.65	-0.09
Cerebrovascular	-3.70	-5.05	-5.14	-4.60
Chronic obs. pul.	1.70	2.43	3.63	1.17
Motor vehicle accidents	-1.80	-3.30	-2.94	-5.43
Other accidents	-2.88	-5.80	-3.78	-1.51
Pneumonia and influenza	-5.17	-8.11	-5.64	-2.55
Diabetes mellitus	-5.33	-3.31	-0.18	-0.37
Suicide	-5.53	-2.58	-1.43	-0.37
Nephritis and nephrosis	-1.48	5.07	-0.30	-0.62
Chronic liver	3.91	0.00	-3.38	-3.44
Other diseases	-4.00	-2.40	-0.85	-0.63
All diseases	-2.86	-2.66	-1.65	-1.86

Note: (a) Exponential rate of change.

Trends

The three main causes of death contributing to 67 per cent of total deaths registered in 1992 were heart disease (31.6%), malignant neoplasms (25.8%) and cerebrovascular disease (9.9%). Among other causes were deaths due to chronic obstructive pulmonary disease and allied conditions (5.2%), motor traffic accidents (1.9%), other accidents (2.2%), pneumonia and influenza (1.6%), diabetes mellitus (1.9%), suicide (1.9%), nephritis, nephrotic syndrome and nephrosis (1.1%), and chronic liver disease and cirrhosis (0.9%). Remaining deaths (16.1%) constituted the category 'all other causes', and included diseases not classified in the broad 11 causes mentioned above.

The frequency of occurrence of deaths due to specific causes changed between 1971 and 1992. Despite an increase in the total number of registered deaths (a consequence of population growth), deaths due to heart disease maintained almost the same number, while deaths due to motor vehicle traffic accidents, other accidents and pneumonia and influenza decreased between 1971 and 1992. Deaths due to malignant neoplasms increased phenomenally in both absolute and percentage terms – 18,354 deaths in 1971 to 32,033 deaths in 1992, representing an increase from 16.5 per cent of total deaths in 1971 to 25.9 per cent in 1992.

Between 1971 and 1991, the age–standardised death rates declined by 35 and 36 per cent for males and females respectively. The cause–specific death rates rose for deaths due to neoplasms (both sexes), chronic obstructive pulmonary disease and allied conditions (females), suicide (males), nephritis, nephrotic syndrome and nephrosis (both sexes), and diabetes mellitus (males). Death rates due to heart disease, cerebrovasular disease, motor vehicle accidents, other accidents, and pneumonia and influenza declined faster than the combined rate for all causes.

As indicated previously, the standardised death rate for males in the 1990s was 68 per cent higher than the corresponding rate for females. By cause of death the male–female disparity was highest for deaths due to suicide (4:1), followed by deaths due to chronic liver disease and cirrhosis (3:1), chronic obstructive pulmonary disease and allied conditions (2.6:1), Motor vehicle and other accidents (2.4:1), and heart disease (1.7:1).

TABLE 6 MEDIAN AGE AT DEATH BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	71.77	73.00	74.47	76.02	77.37	77.51	78.52	80.22	81.54	82.28	83.26	83.34
Heart disease	72.21	73.32	74.98	76.81	78.50	78.72	79.55	81.19	82.63	83.58	85.00	85.11
Malignant neoplasms (cancer)	69.91	71.13	71.92	73.04	74.11	74.12	71.67	72.82	73.79	74.30	75.32	75.55
Cerebrovascular disease (stroke)	76.42	77.58	78.82	80.37	81.44	81.39	80.92	82.48	84.11	85.16	86.18	86.19
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	73.70	75.54	77.04	77.98	78.91	79.07	74.87	75.40	76.43	77.07	78.43	78.49
Motor vehicle traffic accidents	35.47	33.51	32.65	33.01	35.13	35.09	50.55	52.09	51.17	49.54	53.27	54.14
Other accidents	53.63	56.32	55.29	60.81	65.91	67.10	82.22	83.31	84.26	85.10	85.07	85.44
Pneumonia and influenza	76.78	80.78	82.62	84.18	85.23	85.24	82.75	85.90	87.99	88.31	89.82	90.00
Diabetes mellitus	72.97	74.34	75.34	77.02	77.83	77.73	76.65	77.88	80.27	80.82	81.46	81.36
Suicide	49.18	47.54	47.03	46.15	44.64	45.07	49.88	50.16	50.77	50.97	50.66	49.88
Nephritis, nephrotic syndrome and nephrosis	70.86	74.98	80.56	82.16	84.29	84.19	71.77	75.42	80.93	83.55	84.91	84.81
Chronic liver disease and cirrhosis	59.11	58.25	59.65	61.85	62.94	62.59	60.46	61.28	61.16	64.31	67.17	68.40
All other causes	71.97	73.69	75.92	77.89	79.08	79.20	79.15	81.27	83.19	84.27	85.23	85.11

Note: Based on abridged life tables.

Heart disease

In 1992, 38,877 lives were lost from heart disease, representing 31.4 per cent of total deaths. The most common causes of heart disease leading to death were myocardial infarction (20,285 deaths) and other ischaemic heart disease (11,197 deaths). In 1991, the crude death rate due to this disease was 2.3 male deaths and 2.1 female deaths per 1,000 persons of the respective sex.

The incidence of mortality, as measured by the standardised death rates, declined by 48 per cent among males and 45 per cent for females between 1971 and 1991. Over the same period, the age–specific death rate in each five–year age group declined for both males and females.

The age–specific death rates due to heart disease rose sharply with age after age 45 for males and 55 for females. Below these ages, the rates were almost negligible. The age curve of mortality was skewed towards older ages. Over time, it became further skewed. The median age at death (based on cause–specific life tables) increased by almost six years from 72.2 years for males and 79.6 years for females in 1971 to 78.5 years and 85.0 years for males and females respectively in 1991.

The male–female disparity in mortality rates rose during 1971–81, but has subsequently narrowed. In 1991, the male death rate for all ages combined and in each age group was higher than the corresponding rate for females. Over all, males had a 73 per cent higher death rate due to this cause of death group than did females. The male death rates were at least three–times higher than those for females in the age range 35–59. The sex–differential in mortality narrowed at the older ages.

Malignant neoplasms

In 1992, 32,033 registered deaths were attributed to malignant neoplasms, representing 25.9 per cent of total deaths. Malignant neoplasms located in the digestive organs and peritoneum (8,957 deaths) were the most common primary sites. The lung (including trachea and bronchus) remained the most common primary site of malignant neoplasms among males (4,666 deaths) while the breast was the most common primary site of malignant neoplasms among females (2,438 deaths).

In 1991, the crude death rate due to malignant neoplasms was 2.1 male deaths and 1.6 female deaths per 1,000 persons of the respective sex.

The incidence of mortality due to malignant neoplasms increased between 1971 and 1991. The standardised death rate increased by 7 per cent for males and 3 per cent for females during this period.

FIGURE 4 STANDARDISED CAUSE-SPECIFIC DEATH RATES, AUSTRALIA

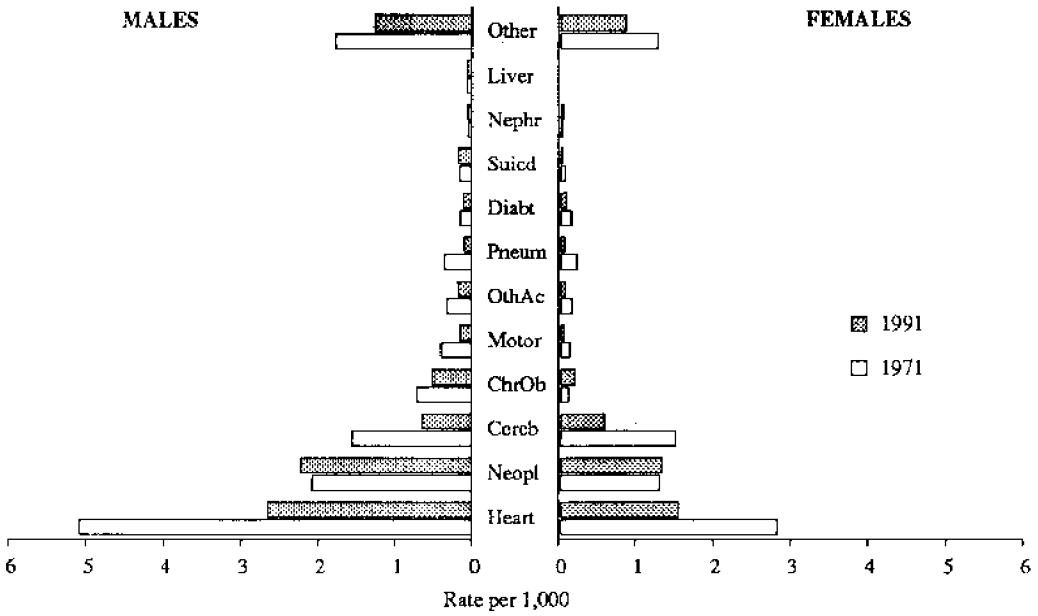
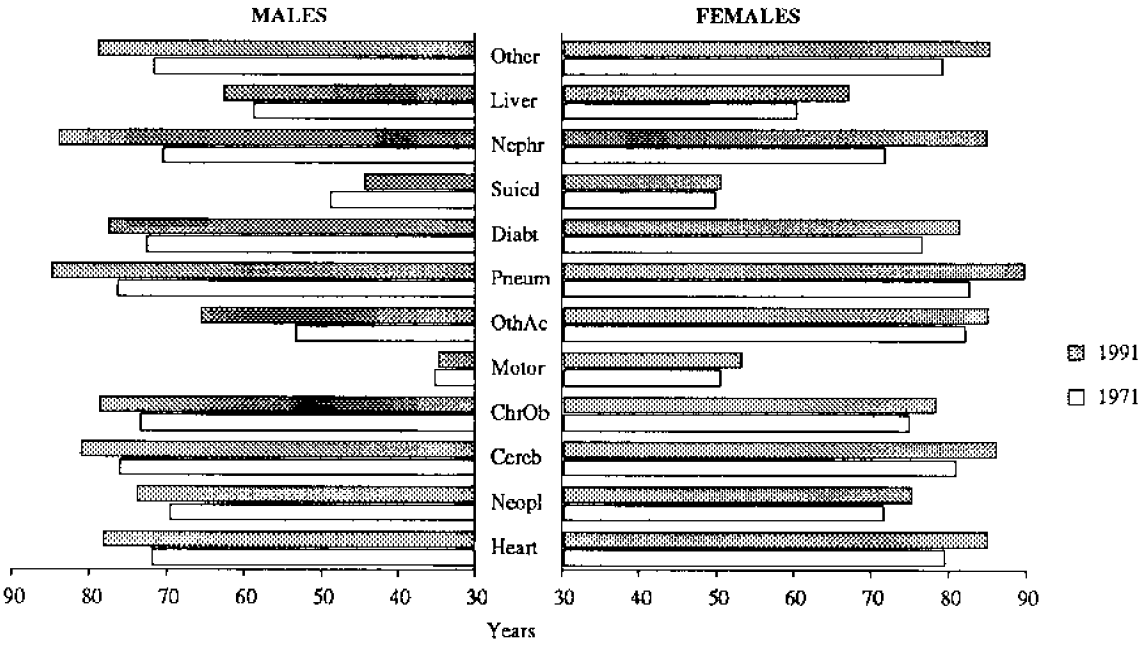


FIGURE 5 MEDIAN AGE AT DEATH BY CAUSE OF DEATH, AUSTRALIA



The age–specific death rates due to this cause were extremely low at ages under 40 years, and thereafter, they rose gradually with age.

Between 1971 and 1991, the age–specific death rates due to malignant neoplasms decreased for persons under 40 years of age and increased for persons older than that age. The median age at death due to this cause group increased by about 4 to 5 years between 1971 and 1991. In 1991, it was 74.1 years for males and 75.3 years for females.

The sex–differential in mortality due to malignant neoplasms was smaller than that due to heart disease. The standardised death rate for males in 1991 was 68 per cent higher than for females. The age–specific death rates for females exceeded those for males aged 30–34 to 45–49. The sex–differential in mortality increased between 1971 and 1981, but narrowed slightly thereafter.

Cerebrovascular disease

In 1992, 11,986 deaths were registered due to cerebrovascular disease (stroke). This cause of death was responsible for 10 per cent of total deaths in 1992 as against 14.2 per cent of total deaths in 1971.

The crude death rates per 1,000 males and females in 1991 were 0.6 and 0.8 respectively.

Between 1971 and 1991, the standardised death rates for males and females declined by 58 and 60 per cent respectively.

Most deaths due to cerebrovascular disease were concentrated among persons aged 60 years and over. The median ages at death from this cause of death group in 1991 were 81 years for males and 86 years for females.

The sex–differential in mortality due to cerebrovascular disease was minimal; the standardised death rate for males was about 12 per cent higher than the corresponding rate for females in 1991. However, in 1991, the mortality rates for males in five–year age groups between 40 and 75 years were higher by between 24 and 54 per cent than the corresponding rates for females.

Chronic obstructive pulmonary disease and allied conditions (includes asthma, emphysema and bronchitis)

In 1992, 6,782 deaths were registered due to this cause, which represented 5.5 per cent of total deaths in that year. The major contributors to deaths in this group were emphysema (921 deaths), asthma (759 deaths) and bronchitis (422 deaths).

Between 1971 and 1991, the standardised death rate for males declined by 27 per cent but for females the rate increased by 56 per cent. The death rates for females increased in all age groups after age 55. The age–specific death rates were minimal for the population under 55 years of age; the rates rose gradually after this age. The median age at death shifted towards older ages. In 1991, it was 78.9 years for males and 78.4 years for females.

Over time, the sex–differential in mortality due to this cause narrowed. In 1971, the standardised death rate for males was almost six–times the rate for females, but in 1991, this differential reduced to three–times. Much higher sex–differential was observed among the death rates at ages beyond 75 years than at earlier ages.

Motor Vehicle traffic accidents

In 1992, 2,066 deaths were registered on account of motor vehicles traffic accidents. In percentage terms this group contributed to 1.7 per cent of total deaths in that year.

The standardised death rates between 1971 and 1991 for this cause of death group declined by 57 per cent for males and 49 per cent for females. The decline occurred in all age groups of the population.

The age curve of death due to motor vehicle accidents was bi–modal, the first peak occurring around ages 20–24 and the second peak around ages 85+ for males. For females these peaks occurred at ages about five years lower than for males. The intensity of the second peak was higher than the first peak. However, because of the population concentration in the younger age groups, the median age at death due to motor vehicle traffic accidents was low; being under 35 years for males and around 53 years for females.

The age–specific death rates for males were higher than the corresponding rates for females, and the mortality sex–differential favoured females by at least three–times at ages 15–19 to 40–44. At the older ages males still had higher death rates than females but the sex–differential was narrower than at the younger ages. Some narrowing of the sex–differential in mortality occurred in 1991.

Other accidents

In 1992, 2,612 deaths or 2.1 per cent of total deaths were due to other accidents. Accidental falls (966 deaths) dominated this cause of death group. Accidental drowning and submersion (excluding drowning and submersion due to water transport accidents) and accidental poisoning by drug/medicaments accounted for 291 and 202 deaths respectively.

Between 1971 and 1991, the standardised death rates for deaths due to accidents declined by 41 per cent for males and 50 per cent for females.

The age–specific death rates due to other accidents for both sexes were high in the age group 0–4, declined at ages 5–14 and then rose continually with age. Over time, the median age at death due to other accidents increased from 56.3 and 82.2 years for males and females in 1971 to 65.9 and 85.1 years in 1991 for the two sexes.

The age–specific death rates were higher for males than females, the highest sex–differential occurring in the age groups 15–19 to 55–59, where the male death rates were between three and five times higher than the rates for females.

The overall sex–differential in mortality rose between 1971 and 1991. In 1991, the standardised death rate for males was about twice the rate for females.

Pneumonia and influenza

In 1992, 2,008 deaths or 1.6 per cent of total deaths were registered due to these causes.

Between 1971 and 1991, the standardised death rate declined by 67 per cent for males and 66 per cent for females. Death rates declined in all age–sex groups.

The age–specific death rate was high in the age group 0–4, dropped at ages 5–19, and then gradually increased with age. Most deaths due to this cause occurred in the older ages of the population. The median age at death was around 85 years for males and 90 years for females in 1991, having increased from 77 years for males and 86 years for females in 1971.

Males suffered higher mortality than females due to pneumonia and influenza and, with only few exceptions, this applied to all age groups of the population. The sex–differential in mortality narrowed in the late 1980s.

Diabetes mellitus

In 1992, 2,405 deaths or 1.9 per cent of total deaths were registered due to this cause of death group.

The standardised death rate between 1971 and 1991 declined by 16 per cent for males and 37 per cent for females. The rates declined in all age–sex groups. However, since 1981, there has been some resurgence in the death rate due to this cause.

The mortality rate due to diabetes mellitus did not suddenly peak at old ages (as for some causes of death), and the age curve of mortality rose gradually after age 35. In 1991, the median age at death was 78 years for males and 81 years for females, having risen from 73 years for males and 77 years for females in 1971.

The sex–differential in mortality, although favouring females of all ages after 35 years, was minimal. With mortality rates declining at a faster rate for females than males, the sex–differential in mortality appeared to be on the increase.

Suicide

In 1992, 2,294 suicides were registered. This represented 1.9 per cent of total deaths registered in that year.

Between 1971 and 1991, the standardised death rate due to suicide increased by 13 per cent for males (having fallen between 1971 and 1976), but declined by 39 per cent for females.

Over time, the age–specific death rates for males aged 15–44 increased. This caused the median age at death due to suicide for males to decrease from 49.2 years in 1971 to 44.6 years in 1991. For females, the median age at death showed an increase from 49.9 years in 1971 to 50.7 years in 1991.

Males suffered higher mortality than females at all ages, due to suicide, and the sex–differential in mortality increased between 1971 and 1991. The suicide death rate for males was almost four times higher than for females in 1991.

Nephritis, nephrotic syndrome and nephrosis

In 1992, 1,310 deaths or 1.1 per cent of total deaths were due to this cause of death group.

Between 1971 and 1991, the standardised death rate fluctuated from year to year, but generally showed an upward trend during this period. The rates in 1991 were 18 per cent higher for males and 14 per cent higher for females than the corresponding rates in 1971.

Most deaths due to this cause of death group occurred in the older ages. The age–specific death rates increased with age.

In 1991, the median age at death was 84 years for males and 85 years for females, having risen from 71 years for both sexes in 1971.

Males experienced higher mortality than females overall, but below age 70, mortality rates for males were lower than for females.

Chronic liver disease and cirrhosis

In 1992, 1,102 deaths or 0.89 per cent of total deaths were due to this cause of death group.

Between 1971 and 1991, the standardised death rates fluctuated from year to year but generally they rose between 1971 and 1981 and have fallen since then. The age–specific death rates followed the same time trend.

The age–specific death rates rose with advancing ages and peaked at ages 60–69 for males and 70–79 for females. The rates fell after these ages. In 1991, the median age at death was over 63 years for males and 67 years for females, having risen from 59 years for males and 60 years for females in 1971.

Males suffered higher overall and age–specific (from ages 25 onwards) mortality than females, and the sex–differential in mortality increased with time. In 1991,

males of all ages suffered three times higher mortality than females.

All other causes

In 1992, 20,185 deaths or 16.3 per cent of total deaths were registered in this cause of death group. Among the variety of causes of death forming this group, no single cause accounted for more than 1,000 deaths.

Between 1971 and 1991, the standardised death rate declined by 35 per cent for males and 36 per cent for females. The age–specific death rates also declined.

The sex–differential in mortality favoured females (ie higher male mortality), and generally showed an upward trend over time.

Annual rate of mortality change during the intercensal periods

Table 5A gives the annual exponential per cent rate of change in the standardised mortality rates during each intercensal period between 1971 and 1991. The overall death rate declined in each intercensal period for both sexes but the rates for males declined faster in the post-1981 period.

The annual rate of decline in the death rates due to heart disease, cerebrovascular disease, chronic obstructive pulmonary disease and allied conditions (males only), and motor vehicle accidents accelerated over the intercensal periods. For other causes the rate of decline in the death rates slowed over time. The increase in the death rates due to malignant neoplasms during 1971–81 among males and 1976–86 for females has been arrested. The increases in the death rates due to diabetes mellitus and suicide among males and chronic obstructive pulmonary disease and allied conditions for females are of significance for further reductions in mortality in Australia.

Cause–specific life tables

Life tables calculated from the registered deaths during a year (or period) and the mid–year population by age and sex for the same year is a convenient way of presenting and assessing the mortality situation in that year (or period). The various functions of a life table, discussed in the previous section, provide meaningful summary indicators of mortality.

Life tables by cause of death are a further extension of life table methodology, and provide summary indicators for the analysis of the causes of death. The methodology of calculating cause–specific life tables is adapted from Namboodri and Suchindran (1987: 92–105), and is given in Appendix 2.

TABLE 7 YEARS OF POTENTIAL LIFE LOST BETWEEN EXACT AGES 0 AND 65 BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**526588**	**471148**	**405173**	**354455**	**310002**	**298190**	**323905**	**274157**	**224467**	**201907**	**175481**	**169941**
Heart disease	99385	89831	71352	55185	40825	38357	35311	30709	22580	17613	12942	13380
Malignant neoplasms (cancer)	61637	60582	62951	58283	55514	54888	59388	57499	55810	56256	52996	52126
Cerebrovascular disease (stroke)	17930	15606	11733	8445	6471	5925	19377	15475	9969	7008	5108	5169
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	9952	8512	7215	6937	4913	4365	5858	5753	5126	5654	4198	3571
Motor vehicle traffic accidents	77109	73214	64774	49957	35021	31176	25956	23616	21036	18581	13346	12611
Other accidents	46490	41846	36989	30061	27124	26422	14092	12912	10957	8190	8487	8524
Pneumonia and influenza	17718	8789	4317	3124	2643	2425	13005	6328	2554	2016	1629	1729
Diabetes mellitus	3305	2745	2466	2256	2292	2238	2847	2267	1634	1578	1541	1558
Suicide	24017	23145	25468	30093	33004	32851	12014	9104	8239	7884	7965	8038
Nephritis, nephrotic syndrome and nephrosis	2570	2013	1069	725	547	451	3099	2196	1642	1055	768	566
Chronic liver disease and cirrhosis	6178	9532	8892	6994	5895	5834	2914	3272	3522	2559	1951	1676
All other causes	160296	135332	107948	102394	95753	93258	130043	105024	81396	73513	64549	60993

Note: Based on abridged life tables.

Index of years of potential life lost

This index measures the incidence of 'premature' mortality that occurs in a population at ages at which a death may be regarded as untimely. In this study, deaths occurring between ages 0 and 65 are considered untimely, as in Australia at present nearly 70 per cent of male deaths and 82 per cent of female deaths occur at ages 65 and over; infant deaths constituting only 1.5 per cent of total deaths. The contribution of each cause to 'premature' death is given in Table 7.

The years of potential life lost (YPLL) between ages 0 and 65 by newly born 100,000 boys fell from 526,588 in 1971 to 310,002 in 1991. For the newly born girls, the YPLL also fell from 323,995 in 1971 to 175,481 in 1991. This represented 41.1 per cent and 45.8 per cent reductions in YPLL for the two sexes respectively. This decline occurred because of the overall improvement in mortality as well as a shift in mortality to older ages. The YPLL for boys remained higher than for girls.

Over the period 1971–91, the YPLL declined for each cause of death and sex except for male deaths due to suicide. A faster reduction in YPLL than the average for all causes combined occurred for deaths of persons due to heart disease, cerebrovascular disease, chronic obstructive pulmonary disease and allied conditions (males only), motor vehicle accidents, pneumonia and influenza, nephritis, nephrotic syndrome and nephrosis, in that order.

The relative importance of each cause of death in terms of the potential loss of human life at ages 0–64 (as measured by YPLL) changed between 1971 and 1991. For males in 1991, the proportion of YPLL was highest for deaths due to malignant neoplasms (17.9%), followed by heart disease (13.2%), motor vehicle traffic accidents (11.3%), suicide (10.7%) and other accidents (8.8%). In 1971, these five causes ranked differently; maximum potential life lost being due to heart disease (18.9%), followed by deaths due to motor vehicle traffic accidents (14.6%), malignant neoplasms (11.7%), other accidents (8.8%) and suicide (4.6%).

Among females, the maximum years of potential life was lost due to malignant neoplasms (30.6% in 1991 and 18.3% in 1971), followed by motor vehicle accidents (7.6% in 1991 and 8.0% in 1971), and heart disease (7.4% in 1991 and 10.9% in 1971).

The category 'all other causes' accounted for 30.9 per cent of male YPLL and 36.8 per cent of female YPLL in 1991. This has been mainly due to the inclusion of infant deaths in this category.

TABLE 7A PER CENT OF TOTAL YEARS OF POTENTIAL LIFE LOST BETWEEN EXACT AGES 0 AND 65 BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
Heart disease	18.87	19.07	17.61	15.57	13.17	12.86	10.90	11.20	10.06	8.72	7.38	7.87
Malignant neoplasms (cancer)	11.71	12.86	15.54	16.44	17.91	18.41	18.34	20.97	24.86	27.86	30.20	30.67
Cerebrovascular disease (stroke)	3.40	3.31	2.90	2.38	2.09	1.99	5.98	5.64	4.44	3.47	2.91	3.04
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	1.89	1.81	1.78	1.96	1.58	1.46	1.81	2.10	2.28	2.80	2.39	2.10
Motor vehicle traffic accidents	14.64	15.54	15.99	14.09	11.30	10.46	8.01	8.61	9.37	9.20	7.61	7.42
Other accidents	8.83	8.88	9.13	8.48	8.75	8.86	4.35	4.71	4.88	4.06	4.84	5.02
Pneumonia and influenza	3.36	1.87	1.07	0.88	0.85	0.81	4.02	2.31	1.14	1.00	0.93	1.02
Diabetes mellitus	0.63	0.58	0.61	0.64	0.74	0.75	0.88	0.83	0.73	0.78	0.88	0.92
Suicide	4.56	4.91	6.29	8.49	10.65	11.02	3.71	3.32	3.67	3.90	4.54	4.73
Nephritis, nephrotic syndrome and nephrosis	0.49	0.43	0.26	0.20	0.18	0.15	0.96	0.80	0.73	0.52	0.44	0.33
Chronic liver disease and cirrhosis	1.17	2.02	2.19	1.97	1.90	1.96	0.90	1.19	1.57	1.27	1.11	0.99
All other causes	30.44	28.72	26.64	28.89	30.89	31.27	40.15	38.31	36.26	36.41	36.78	35.89

Note: Based on abridged life tables.

Probability of dying between two exact ages

The cause–specific life tables provide the probabilities of dying by a specified cause between any two exact ages. However, for brevity, these probabilities are calculated between exact ages 0 and 1, 1 and 65, and 65 and 85 only. (Table 8).

In 1991, the probabilities of dying between ages 0 and 1 were 8.3 and 6.5 per 1,000 live births of boys and girls respectively. The contributions of the 11 leading causes of death to these probabilities were indeed very small, 0.36 per 1,000 for boys and 0.29 per 1,000 for girls. This occurred because most infant deaths were attributed to diseases grouped as 'all other causes'. Over time, the probability of dying by each cause declined. This probability was highest for deaths due to other accidents and pneumonia and influenza among the categories of the causes of death considered in the study.

In 1991, the probabilities of dying between ages 1 and 65 were 190 (per 1,000 alive at age 1) for males and 105 for females, having declined from 304 and 171 for the two sexes in 1971. Between 1971 and 1991, the mortality rates declined for all causes except malignant neoplasms for both sexes, suicide among males, and chronic obstructive pulmonary disease and allied conditions for females. However, since 1991 these rates also appear to be declining.

A faster than average rate of mortality decline occurred for deaths due to pneumonia and influenza, nephritis, nephrotic syndrome and nephrosis, cerebrovascular and heart diseases for both sexes, and suicide and diabetes mellitus for females.

In 1991, the probability of dying (per 1,000) between ages 1 and 65 was highest among males for malignant neoplasms (60) followed by heart disease (49), suicide (13) and motor traffic accidents (11). For females, the highest mortality that occurred was due to malignant neoplasms (50) followed by heart disease (16). In comparison, in 1971, the highest mortality was due to heart disease (116) among males and malignant neoplasms (50) for females.

In 1991, the probabilities of dying (per 1,000) between ages 65 and 85 were 699 among males and 506 for females, having declined from 833 and 672 for the two sexes in 1971.

The probabilities of dying between ages 65 and 85 have increased for deaths due to malignant neoplasms, chronic obstructive pulmonary disease and allied conditions(for females only), nephritis, nephrotic syndrome and nephrosis, and chronic liver disease and cirrhosis for both sexes.

TABLE 8 PROBABILITY OF DYING BETWEEN EXACT AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA
AGES 0–1

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**19.49**	**15.01**	**11.47**	**10.30**	**8.26**	**7.77**	**15.01**	**11.84**	**9.05**	**7.94**	**6.47**	**5.89**
Heart disease	0.05	0.05	0.06	0.07	0.03	0.05	0.08	0.07	0.04	0.04	0.03	0.03
Malignant neoplasms (cancer)	0.04	0.05	0.06	0.03	0.03	0.02	0.06	0.03	0.04	0.06	0.03	0.02
Cerebrovascular disease (stroke)	0.03	0.01	0.01	0.02	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.04	0.07	0.01	0.02	0.01	0.01	0.02	0.04	0.01	0.00	0.01	0.00
Motor vehicle traffic accidents	0.10	0.05	0.08	0.07	0.03	0.03	0.08	0.09	0.07	0.03	0.03	0.02
Other accidents	0.58	0.33	0.18	0.12	0.12	0.14	0.45	0.28	0.13	0.10	0.10	0.08
Pneumonia and influenza	1.45	0.51	0.19	0.14	0.13	0.14	1.07	0.41	0.15	0.12	0.09	0.07
Diabetes mellitus	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01
Suicide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nephritis, nephrotic syndrome and nephrosis	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
Chronic liver disease and cirrhosis	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00
All other causes	17.17	13.93	10.87	9.83	7.90	7.35	13.21	10.89	8.59	7.58	6.18	5.65

Note: Based on abridged life tables.

TABLE 8 PROBABILITY OF DYING BETWEEN EXACT AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA
AGES 1–65

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**304.04**	**279.86**	**247.27**	**215.59**	**189.76**	**184.77**	**171.33**	**152.75**	**130.24**	**117.83**	**104.96**	**103.56**
Heart disease	116.03	102.43	82.72	65.11	48.75	46.44	42.56	36.51	28.00	21.88	16.21	16.46
Malignant neoplasms (cancer)	58.15	59.44	62.96	62.81	60.31	60.19	49.77	50.18	50.05	51.31	49.69	48.37
Cerebrovascular disease (stroke)	20.42	17.19	13.33	9.44	7.15	6.36	19.53	15.78	10.83	7.46	5.38	5.34
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	11.55	9.95	8.81	7.87	6.32	6.08	4.29	4.55	4.66	5.16	4.51	4.33
Motor vehicle traffic accidents	24.21	22.18	19.23	14.72	10.55	9.42	8.41	7.69	6.62	5.77	4.30	4.12
Other accidents	15.50	14.50	12.90	10.47	9.61	9.07	3.89	3.92	3.45	2.68	2.70	2.68
Pneumonia and influenza	5.67	3.79	2.19	1.71	1.44	1.28	3.53	2.28	1.09	0.90	0.77	0.86
Diabetes mellitus	3.48	2.94	2.65	2.55	2.64	2.49	3.02	2.24	1.76	1.94	1.85	1.97
Suicide	10.91	9.80	10.43	11.84	12.53	12.50	5.82	4.51	3.84	3.46	3.34	3.29
Nephritis, nephrotic syndrome and nephrosis	2.02	1.55	0.97	0.74	0.52	0.48	2.32	1.87	1.65	1.13	0.87	0.74
Chronic liver disease and cirrhosis	5.00	7.83	7.86	6.39	5.28	5.42	2.26	2.94	2.87	2.27	1.67	1.46
All other causes	31.09	28.27	23.21	21.96	24.67	25.04	25.92	20.29	15.42	13.87	13.68	13.95

Note: Based on abridged life tables.

TABLE 8 PROBABILITY OF DYING BETWEEN EXACT AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA
AGES 65–85

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**833.00**	**799.54**	**771.43**	**734.81**	**699.35**	**697.60**	**672.03**	**612.95**	**565.72**	**541.62**	**506.38**	**505.78**
Heart disease	350.66	327.22	302.46	276.55	243.49	238.11	276.05	244.93	220.20	207.04	179.80	177.75
Malignant neoplasms (cancer)	145.22	162.58	179.52	189.24	199.09	201.49	98.66	104.02	110.47	117.64	123.10	122.76
Cerebrovascular disease (stroke)	117.35	103.99	89.17	73.43	62.72	62.07	147.65	129.34	103.90	82.54	65.81	62.52
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	61.18	61.29	62.85	60.62	56.04	57.86	10.28	12.46	16.08	20.81	24.44	27.35
Motor vehicle traffic accidents	7.37	6.25	5.27	4.33	3.42	2.75	4.30	4.12	3.42	2.79	2.54	2.39
Other accidents	9.61	9.01	7.16	6.85	7.17	7.27	11.39	10.06	7.04	6.47	5.98	5.34
Pneumonia and influenza	22.07	17.50	12.99	9.02	8.83	10.00	16.72	13.82	9.36	7.48	6.49	6.33
Diabetes mellitus	13.34	12.26	10.93	12.41	13.49	13.66	18.26	14.75	12.89	12.86	12.86	13.39
Suicide	3.90	3.52	3.63	4.02	3.90	3.88	1.70	1.23	1.34	1.30	1.24	1.20
Nephritis, nephrotic syndrome and nephrosis	4.65	5.33	6.69	6.89	7.27	7.17	3.61	4.10	6.36	6.77	7.01	6.82
Chronic liver disease and cirrhosis	3.53	4.25	4.88	4.99	4.65	4.34	1.56	1.97	2.00	2.12	2.23	2.34
All other causes	94.12	86.33	85.87	86.46	89.29	89.01	81.86	72.15	72.69	73.81	74.88	77.59

Note: Based on abridged life tables.

The four leading causes of death, heart disease, malignant neoplasms, cerebrovascular disease and chronic obstructive pulmonary disease and allied conditions, dominated the probability of dying in this age group. Among the remaining causes, the probability of dying was higher for deaths due to diabetes mellitus, followed by pneumonia and influenza.

Probability of eventually dying from a specific cause

This index measures the probability of dying from a specific cause between a selected exact age and the last age at which each person in the life table is assumed to die (95 in the abridged life table calculated for this study). Thus, at age 0, this probability gives the chance of a newly–born child dying from a specific cause in his/her lifetime, if subject to the cause–specific mortality rates of a given time period. These probabilities at exact ages 0, 30, 50 and 70 are given in Table 9.

According to the mortality rates observed in 1991, the chance of a newly–born boy eventually dying from a particular cause was highest for deaths due to heart disease (331 per 1,000) followed by malignant neoplasms (258), cerebrovascular disease (87) and chronic obstructive pulmonary disease and allied conditions (69).

The same causes dominated the lifetime mortality of the newly–born girl but with different intensity: heart disease (352), malignant neoplasms (202), cerebrovascular disease (145), and chronic obstructive pulmonary disease and allied conditions (36).

Between 1971 and 1991, these four major causes dominated the probability of eventually dying at age 0 as well as other ages. Lifetime probabilities of dying during 1971–91 increased for deaths due to malignant neoplasms, chronic obstructive pulmonary disease and allied conditions, and nephritis, nephrotic syndrome and nephrosis among both sexes and deaths due to diabetes mellitus, suicide, and chronic liver disease and cirrhosis among males.

The lifetime probability of dying increased with age for diseases that contributed to deaths at the older ages. Thus, in 1991, the probability of dying due to heart disease for males was 331 per 1,000 at age 0. It was 340 at age 30, 347 at age 50, and 354 at age 70.

The lifetime chance of dying at any exact age was higher for females than males for deaths due to heart disease (since 1986), cerebrovascular disease, pneumonia and influenza, diabetes mellitus and nephritis, nephrotic syndrome and nephrosis.

TABLE 9 PROBABILITY OF EVENTUALLY DYING AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 0

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**
Heart disease	399.16	388.33	372.47	356.53	330.87	327.44	373.80	370.23	366.33	364.11	352.14	353.16
Malignant neoplasms (cancer)	167.39	189.65	217.15	239.21	258.49	262.05	148.37	161.39	175.69	190.65	201.80	201.30
Cerebrovascular disease (stroke)	120.24	115.22	106.19	94.51	87.42	85.38	204.85	202.15	186.22	161.80	145.10	139.33
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	58.82	61.56	67.74	70.05	68.61	70.87	15.93	19.29	24.05	30.69	36.08	39.73
Motor vehicle traffic accidents	29.24	26.88	23.63	18.56	13.76	12.12	12.30	11.59	10.08	8.68	6.85	6.55
Other accidents	24.92	24.12	21.28	19.26	19.66	19.16	22.42	22.45	18.42	16.98	16.27	15.61
Pneumonia and influenza	28.46	25.13	20.27	16.73	17.63	19.38	31.15	31.19	26.43	22.18	22.36	22.05
Diabetes mellitus	13.75	13.41	12.82	15.36	17.84	17.74	21.36	18.58	18.30	19.48	20.67	21.52
Suicide	13.51	12.38	13.32	15.25	16.11	16.06	7.16	5.54	5.04	4.68	4.62	4.55
Nephritis, nephrotic syndrome and nephrosis	5.69	6.35	8.48	9.50	11.97	11.76	6.24	6.72	11.00	12.79	14.11	13.44
Chronic liver disease and cirrhosis	7.46	10.82	11.50	10.39	9.23	9.19	3.63	4.66	4.73	4.31	3.86	3.76
All other causes	131.35	126.17	125.14	134.65	148.42	148.84	152.79	146.21	153.71	163.64	176.14	179.01

Note: Based on abridged life tables.

Gain in expectation of life after eliminating a cause

In a life table, the expectation of life at an exact age measures the average number of years that will be lived by a person after that age according to mortality rates (for all causes combined) prevailing in a given time period. Similarly, in a life table calculated by eliminating mortality due to a specific cause, the gain in expectation of life at a specific age (over that in the life table for all causes) would represent the importance of the 'eliminated' cause from that age to the end of life. The gain in expectation of life by partial elimination of a cause can also be calculated (Ramakrishna and Raman: 1972). However, in the present study complete elimination of a cause is only considered.

Based on life tables calculated after eliminating a cause, Table 10 gives the gains in expectation of life that would occur at exact ages 0, 30, 50 and 70 in the absence of the selected specific cause.

According to the mortality rates in 1991, the gain in expectation of life at birth would have been maximised if deaths due to heart disease were eliminated (3.9 years for males and 3.5 years for females) followed by deaths due to malignant neoplasms (3.5 years for males and 3.2 years for females). Other causes would have provided a gain in expectation of life at birth of one year or less.

Between 1971 and 1991, the gain in expectation of life at birth by cause elimination fell or rose according to whether mortality by that cause decreased or increased. For instance, the gain in expectancy of life at birth for males would have risen from 2.2 years in 1971 to 3.5 years in 1991 if deaths due to malignant neoplasms were eliminated in those two respective years, reflecting higher mortality in 1991 relative to that in 1971 for deaths due to malignant neoplasms.

The gains in the expectation of life at other exact ages 30, 50 and 70 were identical to those found at age 0 after cause elimination of deaths for the top four leading causes of death. But for deaths due to motor vehicle traffic accidents and other accidents, the gains in the expectations of life declined with age owing to the declining incidence of mortality due to these causes after age 30.

At age 70, the gains in the expectation of life after cause elimination were substantial for the first four leading causes (considering expectation of life at that age of around 12 years for males and 15 years for females in 1991).

TABLE 9 PROBABILITY OF EVENTUALLY DYING AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 30

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**
Heart disease	419.26	405.27	386.39	368.44	340.21	336.27	384.70	378.93	373.38	370.51	357.36	358.01
Malignant neoplasms (cancer)	173.43	195.89	223.50	245.76	264.52	267.75	150.70	163.59	177.64	192.70	203.65	203.01
Cerebrovascular disease (stroke)	126.17	120.12	110.12	97.64	89.87	87.64	210.84	206.88	189.80	164.63	147.27	141.27
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	61.42	63.98	70.09	72.11	70.40	72.70	16.00	19.42	24.24	30.89	36.42	40.20
Motor vehicle traffic accidents	17.34	15.14	13.06	10.41	8.14	7.27	8.54	8.16	6.87	5.75	4.78	4.61
Other accidents	19.87	19.56	17.08	15.73	16.52	16.02	21.07	21.22	17.28	16.13	15.32	14.66
Pneumonia and influenza	27.78	25.35	20.65	17.03	17.92	19.72	30.43	31.21	26.69	22.37	22.53	22.18
Diabetes mellitus	14.37	13.95	13.25	15.86	18.31	18.19	21.90	18.98	18.62	19.80	20.95	21.80
Suicide	11.80	10.38	10.68	11.87	12.24	12.14	6.34	4.96	4.36	3.89	3.80	3.72
Nephritis, nephrotic syndrome and nephrosis	5.84	6.53	8.76	9.81	12.30	12.07	6.29	6.79	11.20	13.00	14.31	13.62
Chronic liver disease and cirrhosis	7.77	11.22	11.88	10.69	9.45	9.40	3.68	4.73	4.75	4.37	3.88	3.80
All other causes	114.95	112.63	114.55	124.64	140.11	140.83	139.51	135.13	145.16	155.96	169.72	173.12

Note: Based on abridged life tables.

TABLE 9 PROBABILITY OF EVENTUALLY DYING AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 50

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**
Heart disease	426.69	411.55	392.41	374.18	346.54	342.50	394.11	386.82	380.10	376.79	363.25	363.89
Malignant neoplasms (cancer)	173.81	197.04	223.86	246.84	266.03	269.45	144.20	157.05	170.84	185.67	197.05	196.42
Cerebrovascular disease (stroke)	131.13	124.66	113.68	100.29	92.30	89.97	214.94	210.78	193.11	167.30	149.53	143.29
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	64.25	66.96	72.91	74.45	72.76	75.13	15.61	19.11	24.13	30.86	36.70	40.66
Motor vehicle traffic accidents	11.55	9.96	8.43	6.72	5.45	4.63	6.68	6.40	5.42	4.49	3.79	3.68
Other accidents	15.18	15.42	13.07	12.80	13.82	13.41	21.01	20.87	16.81	15.89	15.00	14.24
Pneumonia and influenza	28.15	25.89	21.20	17.37	18.27	20.15	30.74	31.79	27.20	22.74	22.87	22.48
Diabetes mellitus	14.66	14.29	13.47	16.12	18.62	18.47	22.27	19.21	18.87	20.06	21.20	22.05
Suicide	7.34	6.22	6.56	7.35	7.29	7.20	3.82	2.96	2.73	2.53	2.44	2.35
Nephritis, nephrotic syndrome and nephrosis	5.73	6.51	9.02	10.11	12.66	12.46	5.89	6.60	11.16	13.15	14.53	13.87
Chronic liver disease and cirrhosis	6.56	9.18	10.21	9.42	8.30	8.33	3.12	4.08	4.06	3.80	3.50	3.44
All other causes	114.94	112.32	115.19	124.35	137.96	138.27	137.60	134.32	145.57	156.72	170.16	173.65

Note: Based on abridged life tables.

TABLE 9 PROBABILITY OF EVENTUALLY DYING AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 70

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**
Heart disease	412.10	398.88	386.28	376.26	354.36	351.60	407.02	400.94	396.60	396.98	385.27	385.83
Malignant neoplasms (cancer)	150.17	173.71	194.92	213.36	231.26	233.82	110.19	121.52	132.57	144.75	156.45	157.23
Cerebrovascular disease (stroke)	156.31	147.25	132.64	116.09	105.70	102.97	234.22	229.97	211.03	182.61	162.77	155.46
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	69.19	74.57	82.36	81.87	78.72	81.48	13.68	16.30	20.84	27.48	33.57	37.37
Motor vehicle traffic accidents	7.17	6.09	5.63	4.62	3.69	2.97	4.00	4.08	3.49	2.96	2.43	2.26
Other accidents	14.04	13.81	11.45	11.42	12.72	12.58	23.62	22.97	17.84	16.78	15.54	14.86
Pneumonia and influenza	34.74	32.90	26.84	20.87	21.62	23.94	34.35	36.08	30.78	25.30	25.25	24.81
Diabetes mellitus	15.28	14.92	13.87	16.58	18.88	18.75	21.70	18.98	18.83	19.90	20.75	21.46
Suicide	3.40	3.10	3.31	4.03	3.92	3.76	1.33	0.95	1.12	1.11	1.21	1.17
Nephritis, nephrotic syndrome and nephrosis	5.39	6.96	10.88	12.30	15.42	15.13	4.52	5.61	10.79	13.41	15.16	14.45
Chronic liver disease and cirrhosis	2.64	2.93	3.55	3.63	3.43	3.24	1.26	1.56	1.64	1.86	1.89	2.01
All other causes	129.56	124.90	128.28	138.97	150.28	149.77	144.12	141.04	154.48	166.86	179.73	183.09

Note: Based on abridged life tables.

FIGURE 6 YEARS OF POTENTIAL LIFE LOST BETWEEN AGES 0 AND 65, AUSTRALIA

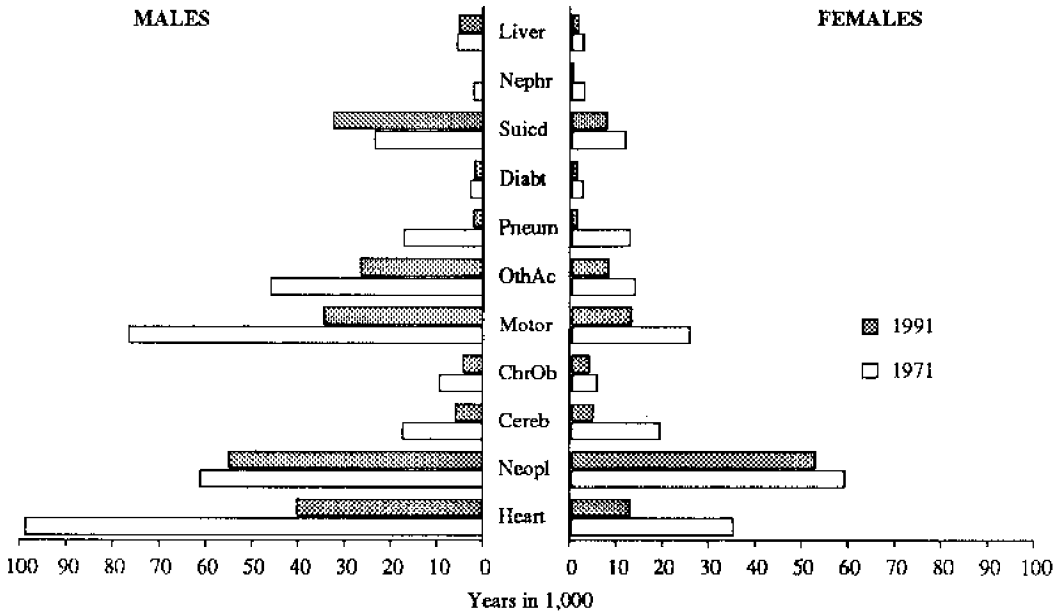


FIGURE 7 PROBABILITY OF EVENTUALLY DYING AFTER BIRTH, AUSTRALIA

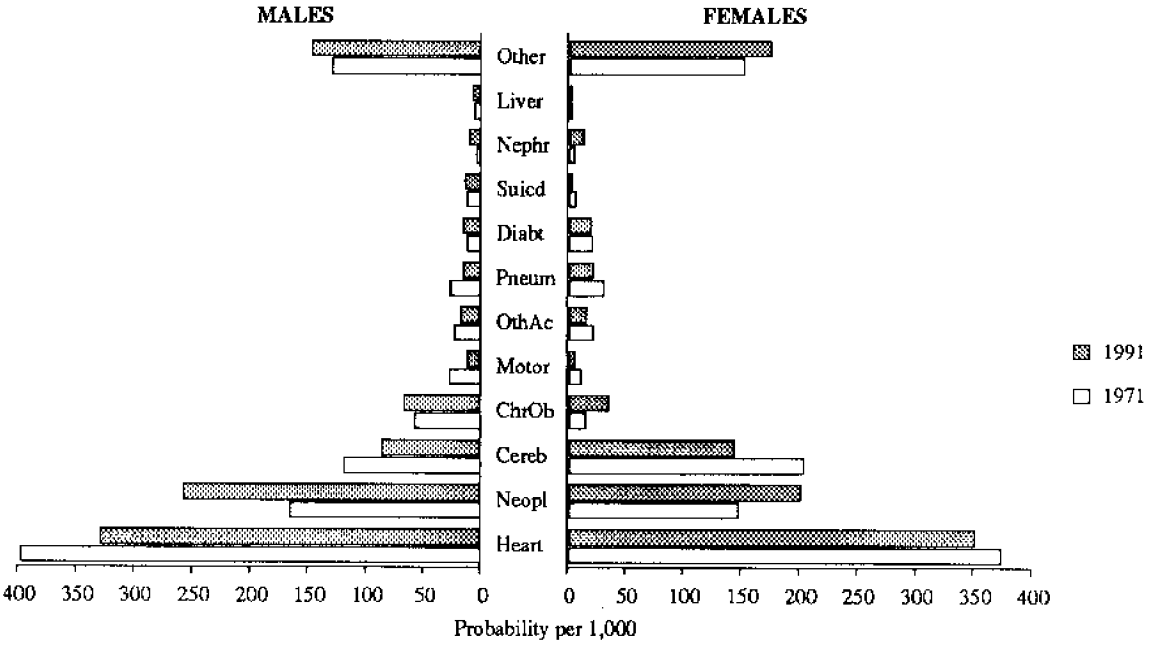


TABLE 10 EXPECTATION OF LIFE AND GAIN IN EXPECTATION OF LIFE AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 0

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	68.17	69.62	71.22	72.83	74.30	74.54	74.87	76.63	78.34	79.29	80.41	80.54
Heart disease	5.42	5.27	4.86	4.44	3.91	3.82	4.35	4.23	4.00	3.83	3.49	3.47
Malignant neoplasms (cancer)	2.17	2.49	2.90	3.20	3.49	3.54	2.28	2.52	2.76	3.02	3.17	3.13
Cerebrovascular disease (stroke)	1.12	1.07	0.96	0.82	0.74	0.72	2.00	1.93	1.65	1.37	1.16	1.11
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.57	0.59	0.62	0.65	0.63	0.64	0.21	0.26	0.31	0.39	0.42	0.45
Motor vehicle traffic accidents	0.98	0.95	0.86	0.69	0.50	0.45	0.40	0.38	0.35	0.31	0.24	0.23
Other accidents	0.64	0.60	0.55	0.47	0.45	0.44	0.30	0.30	0.26	0.22	0.22	0.21
Pneumonia and influenza	0.36	0.25	0.17	0.13	0.14	0.14	0.35	0.27	0.18	0.15	0.14	0.14
Diabetes mellitus	0.14	0.14	0.13	0.15	0.18	0.18	0.23	0.20	0.18	0.20	0.21	0.22
Suicide	0.35	0.34	0.38	0.46	0.51	0.51	0.21	0.17	0.16	0.15	0.15	0.15
Nephritis, nephrotic syndrome and nephrosis	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.11	0.12	0.12	0.11
Chronic liver disease and cirrhosis	0.13	0.20	0.21	0.19	0.17	0.17	0.07	0.10	0.10	0.09	0.08	0.07
All other causes	2.62	2.38	2.12	2.17	2.27	2.25	2.69	2.38	2.18	2.17	2.18	2.18

Note: Based on abridged life tables.

TABLE 10 EXPECTATION OF LIFE AND GAIN IN EXPECTATION OF LIFE AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 30

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	41.16	42.23	43.50	44.92	46.10	46.24	46.92	48.32	49.75	50.58	51.51	51.58
Heart disease	5.66	5.47	5.00	4.56	4.00	3.91	4.45	4.31	4.05	3.88	3.52	3.50
Malignant neoplasms (cancer)	2.13	2.46	2.88	3.20	3.49	3.53	2.21	2.46	2.71	2.98	3.13	3.09
Cerebrovascular disease (stroke)	1.16	1.10	0.98	0.84	0.75	0.73	2.05	1.96	1.67	1.38	1.17	1.12
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.58	0.59	0.63	0.65	0.63	0.65	0.19	0.24	0.29	0.37	0.42	0.45
Motor vehicle traffic accidents	0.34	0.31	0.28	0.23	0.18	0.17	0.17	0.17	0.14	0.12	0.10	0.10
Other accidents	0.32	0.31	0.29	0.25	0.25	0.24	0.18	0.18	0.16	0.14	0.14	0.14
Pneumonia and influenza	0.24	0.20	0.15	0.12	0.12	0.13	0.24	0.22	0.16	0.14	0.13	0.13
Diabetes mellitus	0.14	0.14	0.13	0.15	0.18	0.18	0.23	0.20	0.18	0.20	0.21	0.22
Suicide	0.25	0.23	0.24	0.28	0.30	0.30	0.16	0.13	0.12	0.10	0.10	0.10
Nephritis, nephrotic syndrome and nephrosis	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.12	0.12	0.12	0.11
Chronic liver disease and cirrhosis	0.13	0.21	0.22	0.19	0.17	0.17	0.07	0.10	0.10	0.09	0.08	0.07
All other causes	1.18	1.17	1.14	1.22	1.45	1.47	1.44	1.33	1.33	1.39	1.50	1.55

Note: Based on abridged life tables.

TABLE 10 EXPECTATION OF LIFE AND GAIN IN EXPECTATION OF LIFE AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 50

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	23.09	24.10	25.12	26.34	27.50	27.61	28.32	29.59	30.78	31.51	32.36	32.42
Heart disease	5.34	5.15	4.77	4.39	3.88	3.80	4.39	4.24	4.02	3.86	3.52	3.50
Malignant neoplasms (cancer)	1.93	2.26	2.66	3.00	3.29	3.34	1.84	2.08	2.32	2.57	2.74	2.71
Cerebrovascular disease (stroke)	1.13	1.08	0.96	0.82	0.74	0.72	1.97	1.90	1.64	1.36	1.16	1.10
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.58	0.60	0.64	0.65	0.64	0.66	0.16	0.21	0.27	0.35	0.41	0.45
Motor vehicle traffic accidents	0.14	0.13	0.11	0.09	0.07	0.06	0.09	0.09	0.08	0.07	0.06	0.06
Other accidents	0.15	0.16	0.14	0.13	0.14	0.13	0.15	0.15	0.12	0.12	0.11	0.11
Pneumonia and influenza	0.21	0.18	0.14	0.11	0.11	0.13	0.22	0.21	0.16	0.13	0.13	0.13
Diabetes mellitus	0.13	0.13	0.12	0.15	0.17	0.17	0.22	0.19	0.18	0.19	0.20	0.21
Suicide	0.10	0.09	0.09	0.11	0.11	0.11	0.07	0.06	0.05	0.05	0.04	0.04
Nephritis, nephrotic syndrome and nephrosis	0.05	0.06	0.06	0.07	0.08	0.08	0.07	0.07	0.11	0.11	0.12	0.11
Chronic liver disease and cirrhosis	0.09	0.14	0.16	0.15	0.13	0.13	0.05	0.07	0.07	0.07	0.06	0.05
All other causes	1.02	1.00	1.02	1.07	1.21	1.21	1.21	1.16	1.22	1.30	1.40	1.44

Note: Based on abridged life tables.

TABLE 10 EXPECTATION OF LIFE AND GAIN IN EXPECTATION OF LIFE AT SELECTED AGES BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA, EXACT AGE 70

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
All causes	9.73	10.39	10.89	11.56	12.22	12.25	12.59	13.60	14.40	14.88	15.45	15.47
Heart disease	3.46	3.41	3.31	3.22	3.00	2.97	3.57	3.51	3.45	3.44	3.24	3.22
Malignant neoplasms (cancer)	1.05	1.30	1.52	1.73	1.95	1.99	0.87	1.01	1.16	1.31	1.45	1.45
Cerebrovascular disease (stroke)	1.00	0.96	0.87	0.76	0.70	0.68	1.74	1.72	1.53	1.29	1.12	1.06
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.45	0.50	0.56	0.57	0.56	0.58	0.09	0.12	0.16	0.23	0.28	0.32
Motor vehicle traffic accidents	0.05	0.04	0.04	0.03	0.03	0.02	0.03	0.04	0.03	0.03	0.02	0.02
Other accidents	0.07	0.07	0.06	0.06	0.07	0.08	0.13	0.13	0.10	0.10	0.09	0.09
Pneumonia and influenza	0.18	0.17	0.14	0.10	0.11	0.12	0.19	0.19	0.15	0.13	0.12	0.12
Diabetes mellitus	0.10	0.09	0.09	0.11	0.13	0.13	0.16	0.15	0.14	0.15	0.16	0.16
Suicide	0.02	0.02	0.02	0.03	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01
Nephritis, nephrotic syndrome and nephrosis	0.03	0.04	0.06	0.07	0.08	0.08	0.03	0.04	0.07	0.09	0.10	0.10
Chronic liver disease and cirrhosis	0.02	0.02	0.03	0.03	0.03	0.03	0.01	0.01	0.02	0.02	0.02	0.02
All other causes	0.79	0.78	0.83	0.91	1.01	1.01	0.94	0.93	1.04	1.14	1.24	1.28

Note: Based on abridged life tables.

Contribution of mortality reduction in specific age–cause of death groups to gains in expectation of life at birth

Pollard (1982, 1986 and 1989) gave a methodology for the difference in the expectation of life at birth between two time periods to be decomposed in terms of contributions of mortality improvements in various age and cause of death groups. The details of the calculation are given in Appendix 2.

Using the life tables, Pollard noted that the gains in expectation of life at birth between 1921 and 1971 (8.8 years for males and 11.3 years for females) were largely due to mortality reduction in the younger age groups of the population, especially among the infants and children aged 1–4. As opposed to this, gains in expectations of life at birth between 1971 and 1981 were the result of mortality reduction at age 0 but more so at ages 50 and over.

He further noted...

'...for both sexes, the major contributing cause to the improvement was 'ischaemic heart disease ...'

'...mortality from neoplasms had a slight negative effect on the trend in male life expectancy and a small positive effect in respect of females'.

'...negative trends in respect of (female) mortality from bronchitis, emphysema and asthma'. (Pollard: 1989).

Table 11 gives similar calculations based on the causes of death included in the present study. Mortality changes in the inter–censal periods 1971–76, 1976–81, 1981–86, 1986–91 and 1971–91 are tabulated.

All calculations are based on data in five–year age groups except at ages 0, 1–4 and 95+, but for brevity the results are shown in broad age groups.

The expectation of life at birth improved for both sexes in each of the periods considered. Over time, the contribution of the decline in mortality at the younger ages to the improvement in the expectation of life at birth fell. On the other hand, this contribution rose from mortality reduction at ages 50 and over. In the period 1986–91, the expectation of life at birth increased by 1.5 years for males and by 1.1 year for females. The contribution to the gain in expectancy of life at birth was 73.4 per cent on account of mortality reduction at ages 50 and over among males and 73.6 per cent for females. The reduction in infant mortality contributed to 10.1 and 10.5 per cent to the gain in expectation of life at birth for the two sexes.

By cause of death, the gain in the expectation of life at birth was mostly accounted for by mortality reduction due to heart disease followed by cerebrovasular disease. In the 1986–91 period, these contributions amounted to 52.1 per cent due to heart disease and 13.7 per cent due to cerebrovasular disease among males and to 46.3 per cent and 25.6 per cent due to these two causes respectively for females.

TABLE 11 GAIN IN EXPECTATION OF LIFE BETWEEN SPECIFIED PERIODS CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA 1971 TO 1976

	Males								*Females*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.314**	**0.055**	**0.030**	**0.030**	**0.119**	**0.527**	**0.406**	**1.481**	**0.243**	**0.056**	**0.030**	**0.072**	**0.177**	**0.433**	**0.794**	**1.804**
Heart disease	-0.000	0.000	-0.001	0.004	0.040	0.310	0.211	0.565	0.001	-0.001	0.001	0.004	0.024	0.206	0.365	0.600
Malignant neoplasms (cancer)	-0.001	0.006	0.012	0.002	0.006	-0.016	-0.038	-0.028	0.002	0.005	0.007	0.011	0.009	-0.009	0.003	0.029
Cerebrovascular disease (stroke)	0.002	0.001	0.001	-0.002	0.014	0.078	0.099	0.193	0.000	0.000	-0.001	0.002	0.035	0.107	0.217	0.361
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	-0.002	0.000	0.004	0.003	0.007	0.043	0.010	0.064	-0.001	0.000	0.001	0.004	0.001	-0.016	-0.006	-0.018
Motor vehicle traffic accidents	0.003	0.001	0.000	0.018	0.023	0.019	0.007	0.071	0.000	0.004	0.007	0.015	0.004	0.009	0.001	0.040
Other accidents	0.017	0.004	0.005	0.013	0.018	0.003	0.007	0.067	0.012	0.010	-0.001	-0.003	-0.006	0.003	0.024	0.040
Pneumonia and influenza	0.066	0.010	0.002	0.002	0.012	0.031	0.029	0.152	0.050	0.011	0.002	0.003	0.014	0.020	0.028	0.129
Diabetes mellitus	0.000	0.000	0.000	0.001	0.003	0.010	0.008	0.023	0.000	-0.001	0.001	0.003	0.003	0.023	0.030	0.058
Suicide	0.000	0.000	0.000	-0.006	0.012	0.018	0.002	0.025	0.000	0.000	0.001	0.016	0.021	0.012	0.003	0.053
Nephritis, nephrotic syndrome and nephrosis	0.000	0.001	0.000	0.001	0.002	0.007	-0.003	0.008	0.000	0.001	-0.001	0.002	0.008	0.006	-0.003	0.014
Chronic liver disease and cirrhosis	0.000	0.001	0.000	-0.001	-0.027	-0.034	-0.001	-0.062	0.001	0.001	0.000	0.000	-0.003	-0.012	-0.001	-0.016
All other causes	0.228	0.032	0.007	-0.005	0.009	0.059	0.074	0.403	0.178	0.025	0.013	0.014	0.068	0.084	0.133	0.515

Note: Based on abridged life tables

TABLE 11 GAIN IN EXPECTATION OF LIFE BETWEEN SPECIFIED PERIODS CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA 1976 TO 1981

	Males								*Females*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.253**	**0.035**	**0.026**	**0.074**	**0.292**	**0.626**	**0.323**	**1.629**	**0.218**	**0.029**	**0.033**	**0.035**	**0.265**	**0.508**	**0.646**	**1.734**
Heart disease	-0.001	0.000	0.001	-0.001	0.136	0.407	0.185	0.727	0.002	-0.001	0.000	0.001	0.063	0.252	0.292	0.611
Malignant neoplasms (cancer)	-0.001	0.002	-0.001	0.008	-0.004	-0.058	-0.043	-0.096	-0.001	0.001	0.005	0.006	0.019	-0.010	-0.010	0.010
Cerebrovascular disease (stroke)	0.000	0.000	0.000	0.004	0.023	0.094	0.108	0.229	0.000	0.001	0.000	0.003	0.051	0.140	0.269	0.463
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.004	0.000	-0.001	0.000	0.005	0.035	-0.002	0.042	0.002	0.003	0.000	-0.001	0.007	-0.012	-0.021	-0.022
Motor vehicle traffic accidents	-0.002	0.007	0.005	0.066	0.023	0.022	0.004	0.125	0.001	-0.001	0.007	0.012	0.015	0.012	0.006	0.052
Other accidents	0.010	0.009	0.011	0.008	0.014	0.020	0.013	0.085	0.012	-0.001	0.006	0.002	0.005	0.007	0.037	0.069
Pneumonia and influenza	0.023	0.004	0.001	0.004	0.015	0.025	0.033	0.105	0.020	0.005	0.002	0.005	0.011	0.021	0.053	0.118
Diabetes mellitus	0.000	0.000	0.001	0.000	0.002	0.010	0.009	0.020	0.001	0.000	0.000	0.000	0.006	0.013	0.018	0.038
Suicide	0.000	0.000	0.000	-0.027	0.002	0.001	0.001	-0.024	0.000	0.000	0.000	-0.003	0.015	0.009	-0.001	0.020
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.002	0.007	0.007	-0.009	0.008	0.000	0.001	0.001	0.002	0.003	0.000	-0.021	-0.014
Chronic liver disease and cirrhosis	0.000	0.000	0.001	0.000	0.012	-0.005	-0.002	0.005	0.000	0.000	0.001	-0.002	-0.001	0.002	0.000	0.000
All other causes	0.218	0.014	0.008	0.009	0.057	0.069	0.027	0.401	0.181	0.020	0.011	0.010	0.071	0.073	0.024	0.390

Note: Based on abridged life tables

TABLE 11 GAIN IN EXPECTATION OF LIFE BETWEEN SPECIFIED PERIODS CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA 1981 TO 1986

	Males								*Females*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.085**	**0.032**	**0.041**	**0.081**	**0.243**	**0.684**	**0.467**	**1.634**	**0.088**	**0.028**	**0.020**	**-0.002**	**0.128**	**0.303**	**0.406**	**0.971**
Heart disease	0.000	0.000	0.000	0.002	0.110	0.424	0.228	0.764	0.000	0.002	0.000	0.001	0.034	0.186	0.184	0.407
Malignant neoplasms (cancer)	0.002	0.004	0.007	0.004	0.048	0.004	-0.001	0.070	-0.001	0.005	0.006	0.000	0.000	-0.043	-0.041	-0.075
Cerebrovascular disease (stroke)	-0.001	0.000	0.001	0.002	0.018	0.100	0.133	0.253	0.000	-0.001	0.001	0.001	0.023	0.094	0.254	0.372
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	-0.001	0.001	-0.001	-0.004	0.001	0.025	0.039	0.061	0.001	0.000	0.000	-0.005	0.000	-0.015	-0.040	-0.058
Motor vehicle traffic accidents	0.000	0.006	0.018	0.117	0.035	0.021	0.006	0.204	0.003	0.005	0.004	0.010	0.009	0.011	0.004	0.047
Other accidents	0.004	0.007	0.014	0.021	0.038	0.014	0.006	0.104	0.002	0.011	0.007	0.004	0.012	0.006	0.012	0.054
Pneumonia and influenza	0.003	0.002	0.001	0.002	0.004	0.009	0.037	0.057	0.003	0.002	0.000	-0.001	0.002	0.005	0.034	0.046
Diabetes mellitus	0.000	0.000	0.000	0.001	0.002	-0.001	-0.004	-0.002	0.000	0.000	0.000	0.001	0.002	-0.001	0.001	0.003
Suicide	0.000	0.000	-0.001	-0.037	-0.014	-0.003	-0.003	-0.057	0.000	0.000	-0.001	-0.006	0.011	0.005	0.000	0.011
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.000	0.002	0.006	0.000	0.009	0.000	0.000	0.001	0.000	0.006	0.009	-0.007	0.009
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.000	0.015	0.022	0.001	0.038	0.000	0.000	0.000	0.002	0.005	0.012	-0.001	0.019
All other causes	0.076	0.011	0.003	-0.028	-0.016	0.063	0.024	0.133	0.080	0.005	0.001	-0.009	0.021	0.034	0.004	0.137

Note: Based on abridged life tables

TABLE 11 GAIN IN EXPECTATION OF LIFE BETWEEN SPECIFIED PERIODS CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA 1986 TO 1991

	Males								*Females*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.151**	**0.029**	**0.040**	**0.113**	**0.064**	**0.625**	**0.477**	**1.500**	**0.118**	**0.020**	**0.016**	**0.045**	**0.099**	**0.348**	**0.482**	**1.127**
Heart disease	0.002	0.002	0.001	0.003	0.079	0.408	0.288	0.782	0.001	-0.001	-0.001	0.002	0.034	0.196	0.292	0.522
Malignant neoplasms (cancer)	0.000	0.002	0.007	0.003	0.007	0.061	-0.002	0.078	0.003	0.002	0.001	0.004	0.027	0.037	-0.030	0.045
Cerebrovascular disease (stroke)	0.000	0.000	0.000	0.001	0.010	0.065	0.105	0.182	0.000	0.001	0.000	0.002	0.015	0.069	0.202	0.288
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.000	0.001	0.003	0.005	0.009	0.036	0.052	0.106	-0.001	0.001	0.001	0.007	0.010	0.002	-0.029	-0.009
Motor vehicle traffic accidents	0.003	0.010	0.011	0.124	0.038	0.013	0.007	0.206	0.000	0.012	0.011	0.036	0.011	0.007	0.004	0.081
Other accidents	0.001	0.011	0.003	0.014	0.007	0.007	0.000	0.043	0.000	0.001	-0.002	-0.001	-0.001	0.002	0.012	0.010
Pneumonia and influenza	0.001	0.002	0.000	0.000	0.001	0.007	0.007	0.018	0.003	0.001	0.001	0.000	0.001	0.005	0.015	0.025
Diabetes mellitus	0.000	0.000	0.000	-0.001	0.000	-0.001	-0.004	-0.006	0.000	0.000	0.000	0.000	0.001	-0.001	0.005	0.005
Suicide	0.000	0.000	0.002	-0.024	-0.016	0.004	0.003	-0.031	0.000	0.000	0.000	-0.001	-0.001	0.005	0.000	0.003
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.000	0.000	0.004	-0.003	0.002	0.000	0.000	0.000	0.000	0.003	0.007	-0.003	0.007
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.000	0.006	0.022	0.002	0.031	0.000	0.000	0.000	-0.001	0.007	0.009	0.001	0.016
All other causes	0.144	0.002	0.013	-0.013	-0.075	-0.003	0.021	0.090	0.112	0.005	0.004	-0.002	-0.008	0.010	0.013	0.135

Note: Based on abridged life tables

TABLE 11 GAIN IN EXPECTATION OF LIFE BETWEEN SPECIFIED PERIODS CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA 1971 TO 1991

	Males								*Females*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.811**	**0.152**	**0.137**	**0.295**	**0.723**	**2.456**	**1.675**	**6.249**	**0.670**	**0.133**	**0.099**	**0.149**	**0.668**	**1.584**	**2.335**	**5.639**
Heart disease	0.001	0.002	0.001	0.007	0.363	1.540	0.907	2.821	0.003	-0.001	0.001	0.008	0.154	0.831	1.124	2.120
Malignant neoplasms (cancer)	0.001	0.015	0.024	0.018	0.056	-0.020	-0.097	-0.002	0.003	0.013	0.019	0.021	0.055	-0.026	-0.068	0.017
Cerebrovascular disease (stroke)	0.001	0.001	0.002	0.006	0.066	0.339	0.449	0.864	0.001	0.001	0.000	0.008	0.124	0.408	0.910	1.452
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.002	0.001	0.004	0.004	0.022	0.141	0.084	0.260	0.001	0.004	0.001	0.006	0.018	-0.041	-0.087	-0.098
Motor vehicle traffic accidents	0.005	0.022	0.034	0.320	0.118	0.077	0.024	0.600	0.004	0.019	0.029	0.071	0.039	0.039	0.015	0.216
Other accidents	0.033	0.030	0.033	0.056	0.078	0.044	0.030	0.303	0.027	0.022	0.011	0.001	0.009	0.017	0.086	0.173
Pneumonia and influenza	0.095	0.018	0.005	0.008	0.032	0.076	0.112	0.347	0.077	0.019	0.005	0.008	0.028	0.052	0.128	0.317
Diabetes mellitus	0.000	0.000	0.001	0.001	0.006	0.020	0.013	0.042	0.000	0.000	0.001	0.003	0.011	0.037	0.058	0.110
Suicide	0.000	0.000	0.000	-0.093	-0.014	0.021	0.003	-0.083	0.000	0.000	0.001	0.007	0.047	0.031	0.003	0.089
Nephritis, nephrotic syndrome and nephrosis	0.000	0.001	0.001	0.004	0.011	0.025	-0.015	0.027	0.000	0.001	0.001	0.004	0.019	0.021	-0.033	0.016
Chronic liver disease and cirrhosis	0.001	0.001	0.001	0.000	0.004	-0.003	-0.001	0.002	0.001	0.001	0.000	-0.001	0.008	0.009	-0.003	0.017
All other causes	0.670	0.060	0.031	-0.036	-0.019	0.196	0.166	1.068	0.552	0.055	0.030	0.013	0.155	0.205	0.201	1.210

Note: Based on abridged life tables

The reduction in mortality due to motor vehicle accidents occupied third place in terms of its contribution to the gain in the expectation of life at birth in the late 1980s.

The contribution of mortality due to malignant neoplasms, which was negative for males and small positive for females during 1971–81, reversed in 1986–91 to small positive for both sexes.

The negative contribution of deaths due to chronic obstructive pulmonary disease and allied conditions, noted by Pollard (1989) for females only during 1971–81, continued to 1991. An increase in suicide among males contributed negatively to the gain in the expectation of life at birth.

By age and cause of death, mortality reduction in the younger age groups (0–14 years), due to pneumonia and influenza, other accidents, and motor vehicle traffic accidents contributed positively to the gain in expectation of life at birth. At ages 15–29, the reduction in mortality due to motor vehicle traffic accidents and other accidents contributed positively (more for males than females), and an increase in mortality due to suicide among males contributed negatively to the gain in life expectancy.

In the middle age range, 30–49 years, the reduction in mortality due to heart disease for both sexes and accidents (both motor vehicle and other accidents) among males, and cerebrovasular disease for females made large positive contributions to the gain in expectation of life at birth.

At ages 50 and over, large contributions came from mortality reduction due to heart disease and cerebrovasular disease. Negative small contribution at these ages arose from deaths due to chronic obstructive pulmonary disease and allied conditions and malignant neoplasms among females.

Contribution of sex differentials in mortality in specific age–cause of death groups to sex differentials in expectation of life at birth

The methodology used in the previous section for decomposing the gain in expectation of life at birth between two points of time is also suited for studying sex–differential in mortality at one point in time. (Pollard: 1989).

The contributions of the mortality sex–differential by age to the difference between male and female life expectancies at birth were calculated for each Australian life table between 1901–10 and 1970–72 by Lopez and Ruzicka (1977). They showed that the difference between female and male expectation of life at birth was always in favour of females and was a result of excessive mortality of males in each age group and in each time period. Over the periods, the sex–differential in the life expectancy at birth increased from 3.6 years in 1901–10

TABLE 12 DIFFERENCE BETWEEN FEMALE AND MALE EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA YEAR 1971

	Difference in years								*Percentage contribution of various causes*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.326**	**0.058**	**0.086**	**0.701**	**0.759**	**2.931**	**1.953**	**6.813**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heart disease	-0.002	0.001	0.000	0.012	0.399	1.679	0.816	2.905	-0.6	1.4	0.2	1.7	52.6	57.3	41.8	42.6
Malignant neoplasms (cancer)	-0.001	0.006	0.008	0.013	-0.042	0.412	0.401	0.798	-0.4	10.7	9.5	1.9	-5.6	14.1	20.6	11.7
Cerebrovascular disease (stroke)	0.001	0.001	0.001	0.001	-0.030	0.102	0.044	0.120	0.4	0.9	1.7	0.1	-4.0	3.5	2.2	1.8
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.001	-0.001	0.003	0.000	0.007	0.246	0.330	0.587	0.4	-2.2	3.8	0.0	1.0	8.4	16.9	8.6
Motor vehicle traffic accidents	0.001	0.011	0.025	0.429	0.150	0.066	0.023	0.706	0.5	19.1	29.2	61.2	19.8	2.3	1.2	10.4
Other accidents	0.010	0.023	0.041	0.153	0.158	0.075	0.002	0.462	3.0	39.1	48.0	21.8	20.9	2.5	0.1	6.8
Pneumonia and influenza	0.028	0.001	0.001	0.002	0.015	0.052	0.078	0.177	8.5	1.1	0.9	0.3	2.0	1.8	4.0	2.6
Diabetes mellitus	0.000	0.000	0.000	-0.001	0.004	0.011	-0.001	0.013	0.0	0.6	0.0	-0.1	0.5	0.4	-0.1	0.2
Suicide	0.000	0.000	0.001	0.065	0.076	0.046	0.013	0.201	0.0	0.0	1.4	9.3	10.0	1.6	0.7	3.0
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.000	-0.004	0.002	0.013	0.011	0.0	-0.4	-0.1	0.1	-0.6	0.1	0.6	0.2
Chronic liver disease and cirrhosis	0.000	0.000	0.001	0.001	0.028	0.050	0.010	0.089	-0.1	-0.7	0.9	0.2	3.7	1.7	0.5	1.3
All other causes	0.288	0.018	0.004	0.025	-0.002	0.189	0.224	0.746	88.4	30.5	4.6	3.6	-0.3	6.5	11.5	11.0

Note: Based on abridged life tables

to 6.1 years in 1970–72. The large mortality sex–differential at age 0 up until 1946–48, and at ages beyond 45 years throughout the period, contributed to the life expectancy at birth differentials between the sexes.

The situation has not changed much since 1970–72. The sex–differential in life expectancy continued to widen until 1981 (life expectancy favouring females by 7.2 years) with a slight drop in the late 1980s (6.6 years in 1986 and 6.2 years in 1991).

The contribution of the mortality sex–differential at age 0 to the overall difference in the expectation of life at birth of the sexes, fell to just over 2 per cent in the 1980s. Over 75 per cent of the contribution in the late 1980s came from the mortality sex–differential at ages 50–69 and 70+, with the contribution of the latter age group exceeding the former since 1986.

Since 1971, the sex–differential in expectation of life at birth, has been dominated by the sex–differential in mortality due to heart disease, malignant neoplasms, chronic obstructive pulmonary disease, motor vehicle accidents, other accidents and suicide. Over time, the relative contribution of the mortality sex–differential due to neoplasms and suicide has increased.

The sex–differential in the expectation of life at birth is the result of different causes of death at different ages. At age 0 it is the 'other causes'; at ages 1–14 it is the motor vehicle accidents, other accidents and neoplasms; at ages 15–29 it is the motor vehicle accidents, other accidents, and suicide; at ages 30–49 it is the motor vehicle accidents, other accidents, suicide and heart disease; and at ages 50 and over it the heart disease, neoplasms and chronic obstructive pulmonary disease and allied conditions.

TABLE 12 DIFFERENCE BETWEEN FEMALE AND MALE EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA YEAR 1976

	Difference in years								*Percentage contribution of various causes*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.235**	**0.054**	**0.084**	**0.756**	**0.823**	**2.894**	**2.281**	**7.128**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heart disease	-0.001	0.000	0.002	0.012	0.395	1.607	0.909	2.924	-0.4	0.1	2.2	1.6	48.0	55.5	39.9	41.0
Malignant neoplasms (cancer)	0.001	0.005	0.002	0.022	-0.042	0.465	0.545	0.998	0.6	8.8	2.9	2.9	-5.1	16.1	23.9	14.0
Cerebrovascular disease (stroke)	0.000	-0.001	0.000	0.004	-0.015	0.104	0.048	0.141	-0.1	-1.1	-0.1	0.6	-1.8	3.6	2.1	2.0
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.002	-0.001	0.000	0.001	0.001	0.200	0.382	0.585	0.9	-2.0	0.4	0.1	0.1	6.9	16.7	8.2
Motor vehicle traffic accidents	-0.002	0.014	0.032	0.436	0.134	0.056	0.018	0.689	-1.1	26.8	38.4	57.7	16.3	1.9	0.8	9.7
Other accidents	0.003	0.029	0.036	0.141	0.139	0.080	0.007	0.435	1.5	53.4	43.1	18.6	16.9	2.8	0.3	6.1
Pneumonia and influenza	0.007	0.000	0.000	0.003	0.015	0.035	0.071	0.132	3.0	0.6	0.2	0.4	1.9	1.2	3.1	1.9
Diabetes mellitus	-0.001	-0.001	0.001	0.000	0.003	0.019	0.010	0.032	-0.3	-1.1	0.9	0.0	0.4	0.7	0.4	0.4
Suicide	0.000	0.000	0.002	0.089	0.085	0.038	0.015	0.230	0.0	0.0	2.5	11.8	10.4	1.3	0.7	3.2
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	-0.001	0.002	0.000	0.000	0.018	0.018	0.0	-0.4	-1.1	0.2	0.0	0.0	0.8	0.3
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.002	0.057	0.085	0.011	0.156	0.1	0.0	-0.2	0.3	7.0	2.9	0.5	2.2
All other causes	0.225	0.008	0.009	0.044	0.051	0.206	0.247	0.790	95.7	14.9	10.8	5.8	6.2	7.1	10.8	11.1

Note: Based on abridged life tables

TABLE 12 DIFFERENCE BETWEEN FEMALE AND MALE EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA YEAR 1981

	Difference in years								*Percentage contribution of various causes*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.183**	**0.046**	**0.091**	**0.732**	**0.775**	**2.789**	**2.616**	**7.232**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heart disease	0.002	-0.001	0.001	0.014	0.318	1.446	0.980	2.761	0.9	-1.3	1.1	2.0	41.0	51.9	37.5	38.2
Malignant neoplasms (cancer)	0.001	0.004	0.009	0.019	-0.022	0.571	0.692	1.274	0.8	7.9	9.4	2.6	-2.8	20.5	26.5	17.6
Cerebrovascular disease (stroke)	0.000	0.000	0.000	0.002	0.005	0.115	0.078	0.200	0.0	0.9	-0.4	0.3	0.7	4.1	3.0	2.8
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.000	0.001	0.001	-0.001	0.001	0.164	0.438	0.605	-0.1	3.0	1.1	-0.1	0.2	5.9	16.7	8.4
Motor vehicle traffic accidents	0.000	0.007	0.035	0.389	0.128	0.043	0.020	0.622	0.2	14.3	38.2	53.2	16.5	1.5	0.8	8.6
Other accidents	0.004	0.020	0.031	0.138	0.133	0.067	0.013	0.406	2.3	42.6	34.3	18.8	17.2	2.4	0.5	5.6
Pneumonia and influenza	0.003	0.001	0.001	0.004	0.009	0.024	0.067	0.109	1.6	2.3	1.0	0.5	1.2	0.9	2.6	1.5
Diabetes mellitus	0.000	0.000	0.000	0.001	0.006	0.020	0.012	0.038	0.0	0.4	0.2	0.1	0.8	0.7	0.4	0.5
Suicide	0.000	0.000	0.003	0.119	0.101	0.048	0.016	0.287	0.0	0.0	2.9	16.3	13.0	1.7	0.6	4.0
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.001	-0.005	-0.010	0.023	0.010	0.0	0.9	-0.4	0.2	-0.6	-0.3	0.9	0.1
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.000	0.045	0.100	0.016	0.162	0.0	0.0	-0.4	0.1	5.8	3.6	0.6	2.2
All other causes	0.173	0.013	0.012	0.045	0.054	0.202	0.260	0.760	94.5	28.9	13.0	6.2	7.0	7.2	10.0	10.5

Note: Based on abridged life tables

TABLE 12 DIFFERENCE BETWEEN FEMALE AND MALE EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA YEAR 1986

	Difference in years								*Percentage contribution of various causes*							
Causes of death	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*	*0*	*1-4*	*5-14*	*15-29*	*30-49*	*50-69*	*70+*	*Total*
All causes	**0.181**	**0.040**	**0.068**	**0.661**	**0.646**	**2.406**	**2.563**	**6.565**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heart disease	0.002	0.001	0.001	0.014	0.238	1.183	0.903	2.342	1.0	2.7	1.1	2.1	36.8	49.2	35.2	35.7
Malignant neoplasms (cancer)	-0.002	0.003	0.007	0.015	-0.077	0.569	0.764	1.280	-1.2	8.4	10.0	2.3	-11.9	23.7	29.8	19.5
Cerebrovascular disease (stroke)	0.001	0.000	0.000	0.001	0.006	0.081	0.063	0.153	0.4	0.4	-0.1	0.2	1.0	3.4	2.5	2.3
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.001	0.001	0.002	-0.001	0.000	0.132	0.413	0.548	0.7	1.4	3.6	-0.2	0.0	5.5	16.1	8.4
Motor vehicle traffic accidents	0.003	0.005	0.020	0.282	0.102	0.030	0.016	0.458	1.6	12.5	29.8	42.6	15.7	1.2	0.6	7.0
Other accidents	0.002	0.023	0.024	0.122	0.107	0.060	0.013	0.350	1.0	57.8	34.9	18.5	16.5	2.5	0.5	5.3
Pneumonia and influenza	0.002	0.001	0.000	0.001	0.007	0.019	0.041	0.072	1.0	2.7	0.0	0.1	1.2	0.8	1.6	1.1
Diabetes mellitus	0.000	0.000	0.000	0.000	0.007	0.020	0.021	0.049	0.0	-0.5	0.5	0.0	1.0	0.8	0.8	0.7
Suicide	0.000	0.000	0.003	0.156	0.130	0.059	0.023	0.371	0.0	0.0	5.1	23.6	20.1	2.5	0.9	5.6
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.000	-0.001	-0.009	0.022	0.012	-0.2	-0.5	0.5	0.1	-0.2	-0.4	0.9	0.2
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.002	0.035	0.092	0.016	0.145	0.0	0.0	0.0	0.3	5.4	3.8	0.6	2.2
All other causes	0.173	0.006	0.010	0.069	0.093	0.168	0.267	0.786	95.7	15.2	14.5	10.4	14.4	7.0	10.4	12.0

Note: Based on abridged life tables

TABLE 12 DIFFERENCE BETWEEN FEMALE AND MALE EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA YEAR 1991

Causes of death	Difference in years								Percentage contribution of various causes							
	0	1-4	5-14	15-29	30-49	50-69	70+	Total	0	1-4	5-14	15-29	30-49	50-69	70+	Total
All causes	**0.139**	**0.029**	**0.042**	**0.598**	**0.687**	**2.122**	**2.573**	**6.190**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heart disease	0.000	-0.002	-0.001	0.013	0.190	0.941	0.826	1.968	0.0	-7.2	-1.3	2.2	27.6	44.4	32.1	31.8
Malignant neoplasms (cancer)	0.000	0.003	0.001	0.016	-0.062	0.570	0.846	1.375	0.1	10.1	3.1	2.7	-9.0	26.9	32.9	22.2
Cerebrovascular disease (stroke)	0.000	0.000	0.000	0.002	0.010	0.069	0.065	0.146	0.3	1.3	-0.2	0.3	1.4	3.2	2.5	2.4
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.000	0.001	0.001	0.000	0.000	0.100	0.371	0.472	0.0	1.9	1.3	0.1	0.0	4.7	14.4	7.6
Motor vehicle traffic accidents	0.000	0.006	0.019	0.190	0.074	0.022	0.012	0.323	0.3	21.7	45.3	31.7	10.7	1.1	0.5	5.2
Other accidents	0.001	0.013	0.019	0.109	0.101	0.056	0.023	0.322	0.9	43.4	46.4	18.2	14.7	2.6	0.9	5.2
Pneumonia and influenza	0.003	-0.001	0.000	0.001	0.008	0.017	0.047	0.076	2.4	-2.3	0.3	0.2	1.1	0.8	1.8	1.2
Diabetes mellitus	0.000	0.000	0.000	0.001	0.008	0.023	0.034	0.066	-0.1	-0.7	0.8	0.1	1.1	1.1	1.3	1.1
Suicide	0.000	0.000	0.002	0.184	0.150	0.063	0.022	0.420	0.0	0.0	5.2	30.7	21.8	2.9	0.9	6.8
Nephritis, nephrotic syndrome and nephrosis	0.000	0.000	0.000	0.000	0.001	-0.008	0.030	0.023	0.0	0.0	0.0	0.0	0.2	-0.4	1.2	0.4
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.001	0.036	0.079	0.015	0.132	0.1	0.0	0.0	0.1	5.3	3.7	0.6	2.1
All other causes	0.134	0.009	0.000	0.082	0.171	0.191	0.281	0.868	96.1	31.7	-0.9	13.6	24.9	9.0	10.9	14.0

Note: Based on abridged life tables

TABLE 12 DIFFERENCE BETWEEN FEMALE AND MALE EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC AGE AND CAUSE GROUPS, AUSTRALIA YEAR 1992

Causes of death	Difference in years								Percentage contribution of various causes							
	0	1-4	5-14	15-29	30-49	50-69	70+	Total	0	1-4	5-14	15-29	30-49	50-69	70+	Total
All causes	**0.147**	**0.019**	**0.035**	**0.568**	**0.665**	**2.074**	**2.576**	**6.084**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heart disease	0.002	-0.003	-0.002	0.004	0.179	0.885	0.811	1.876	1.1	-16.2	-6.6	0.8	27.0	42.7	31.5	30.8
Malignant neoplasms (cancer)	0.001	-0.002	0.003	0.021	-0.072	0.609	0.870	1.431	0.3	-9.7	7.2	3.7	-10.8	29.4	33.8	23.5
Cerebrovascular disease (stroke)	0.002	0.000	0.000	-0.001	0.005	0.059	0.082	0.147	1.1	0.0	1.1	-0.1	0.8	2.8	3.2	2.4
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.001	0.001	-0.001	0.003	0.002	0.089	0.371	0.465	0.4	2.9	-3.3	0.6	0.3	4.3	14.4	7.6
Motor vehicle traffic accidents	0.000	0.005	0.017	0.153	0.074	0.016	0.006	0.273	0.3	28.1	49.5	26.9	11.1	0.8	0.3	4.5
Other accidents	0.005	0.012	0.019	0.107	0.094	0.051	0.027	0.314	3.2	62.1	55.0	18.8	14.1	2.5	1.0	5.2
Pneumonia and influenza	0.005	-0.002	0.000	-0.001	0.006	0.017	0.062	0.088	3.6	-9.7	-0.2	-0.3	0.9	0.8	2.4	1.4
Diabetes mellitus	-0.001	-0.001	0.001	0.001	0.008	0.017	0.030	0.056	-0.4	-3.2	1.5	0.3	1.1	0.8	1.2	0.9
Suicide	0.000	0.000	0.001	0.186	0.147	0.064	0.022	0.420	0.0	0.0	4.2	32.7	22.2	3.1	0.8	6.9
Nephritis, nephrotic syndrome and nephrosis	0.000	0.001	0.000	0.000	0.001	-0.007	0.029	0.023	0.0	3.0	0.0	0.0	0.2	-0.3	1.1	0.4
Chronic liver disease and cirrhosis	0.000	0.000	0.000	0.001	0.034	0.087	0.013	0.136	0.0	0.0	0.0	0.2	5.2	4.2	0.5	2.2
All other causes	0.133	0.008	-0.003	0.093	0.185	0.187	0.252	0.855	90.3	42.6	-8.4	16.4	27.9	9.0	9.8	14.1

Note: Based on abridged life tables

FIGURE 8 PERCENTAGE GAIN IN EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC CAUSE GROUP AUSTRALIA

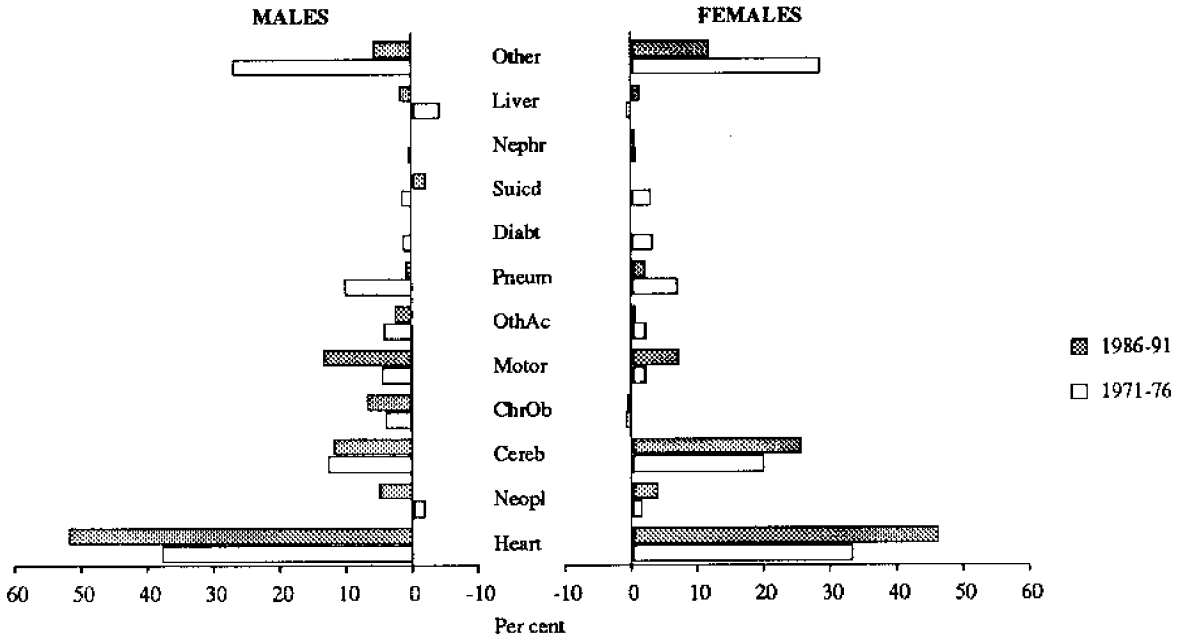
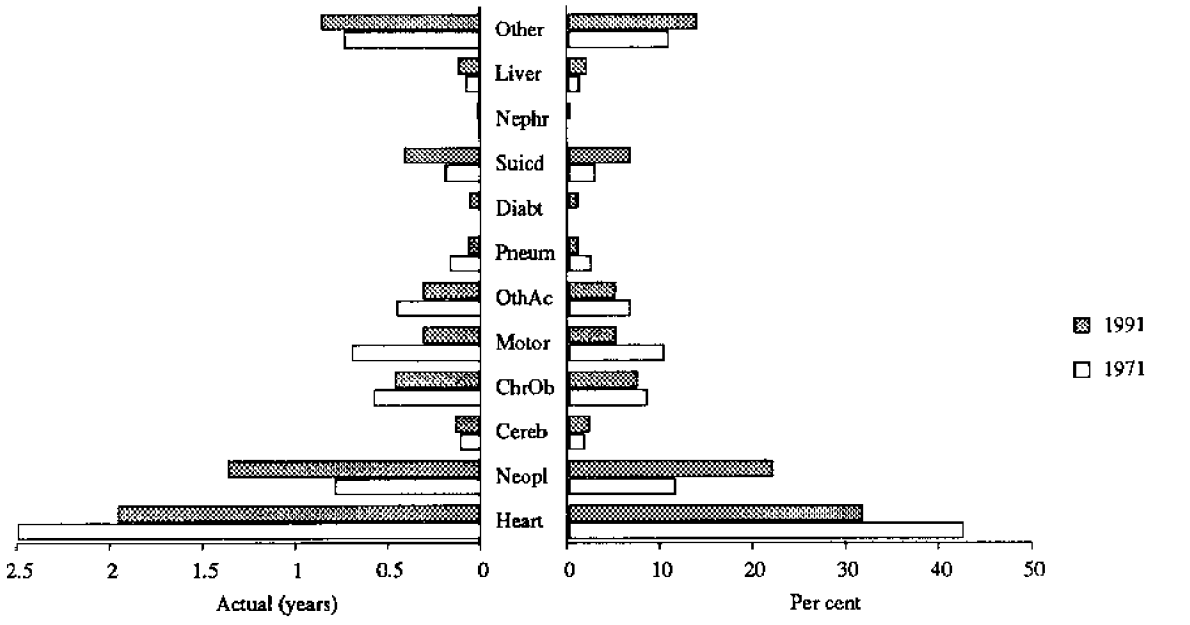


FIGURE 9 SEX DIFFERENCE IN EXPECTATION OF LIFE AT BIRTH CONTRIBUTED BY MORTALITY CHANGE IN SPECIFIC CAUSE GROUP AUSTRALIA



TRENDS AND LEVELS OF MORTALITY IN THE STATES AND TERRITORIES

Overall mortality

Young and Ruzicka (1982) examined mortality differentials between the States of Australia from 1881–1890 to 1970–1972. They noted that the difference by State between the highest and lowest life expectation at birth was around 10 years for males in 1881–1890 and 1891–1900 but only 4 and 7 years respectively for females. In the ensuing decade, 1901–1910, the differentials narrowed to 6.3 years for males and 3.9 years for females. The highest mortality was found in Western Australia for both sexes, and lowest in Tasmania for males and South Australia for females. Over time, the State-differential narrowed as mortality declined.

Mortality levels and differentials between the States and Territories changed after 1971. Tables 13 to 14 present these changes. These tables have been extracted from more detailed tables given separately for each State and Territory in Appendix 3.

In common with Australia, all States and Territories shared in the mortality decline between 1971 and 1991, (Table 13). In 1971, the Northern Territory, New South Wales, the Australian Capital Territory and Queensland had higher standardised death rates than did Australia. In the course of the next 20 years the death rates in the high mortality States/Territories, with the exception of the Northern Territory, fell at a much faster rate than in other

TABLE 13 MORTALITY INDICES, AUSTRALIA, THE STATE AND TERRITORIES, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971, 1981 AND 1991

Mortality indicator	*Year*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
Number of deaths										
	1971	42370	30440	16496	9809	7598	3241	594	604	111153
	1981	41022	29745	17148	9913	8114	3410	630	842	110823
	1991	43694	31384	19664	11013	9611	3713	787	1091	120956
Crude death rate										
	1971	8.966	8.452	8.910	8.173	7.210	8.142	6.928	3.996	8.506
	1981	7.836	7.536	7.312	7.517	6.242	7.982	5.138	3.698	7.426
	1991	7.407	7.100	6.641	7.615	5.874	7.953	4.753	3.770	6.998
Standardised death rate										
	1971	10.532	10.056	10.360	9.542	9.739	10.051	14.691	10.381	10.223
	1981	8.240	8.001	7.995	7.607	7.586	8.574	12.544	7.711	8.050
	1991	6.737	6.496	6.515	6.418	6.190	7.273	10.715	5.980	6.589
Infant mortality rate										
Males	1971	19.950	15.620	20.220	17.530	19.770	18.640	54.970	23.460	19.490
	1981	11.990	10.890	11.180	11.540	11.620	14.980	19.540	10.280	11.470
	1991	8.340	7.620	8.590	7.430	8.170	9.310	15.690	9.400	8.260
Females	1971	15.090	13.220	16.540	14.440	15.010	12.480	48.850	12.410	15.010
	1981	8.840	8.960	10.120	7.990	8.270	10.170	18.890	7.770	9.050
	1991	6.500	5.630	6.870	5.910	6.960	7.350	14.370	5.940	6.470
Expectation of life at birth										
Males	1971	67.829	68.718	67.682	69.109	68.826	68.213	61.389	68.450	68.170
	1981	70.890	71.576	71.036	71.894	72.015	69.998	64.111	72.375	71.223
	1991	73.961	74.621	74.355	74.660	75.169	73.266	67.293	75.904	74.304
Females	1971	74.460	75.256	74.414	75.937	75.770	75.152	64.851	75.520	74.864
	1981	78.033	78.366	78.453	79.242	79.150	77.541	70.730	78.975	78.340
	1991	80.248	80.575	80.496	80.716	80.989	79.323	72.933	81.063	80.406
Survivors to age 70										
Males	1971	54219	56350	54313	57797	57952	56182	44118	57746	55411
	1981	62174	63947	62486	64588	65405	60574	48481	66253	63068
	1991	69939	71574	70550	71637	72723	69145	51850	74339	70751
Females	1971	72437	74379	72728	75909	75986	73925	50634	77346	73559
	1981	78832	79785	79689	81811	81251	77572	60486	81800	79599
	1991	83122	83760	83242	83790	84095	81483	64261	83888	83305

States; the State–differential widened, and in 1991, mortality in Queensland fell below the national average and in Tasmania rose above the national average. South Australia was the lowest mortality State in 1971, but in 1991, the Australian Capital Territory emerged as the lowest mortality area.

However, if Tasmania is also excluded, the State mortality differentials widen for males but decline for females.

The survivors to exact age 70 (based on the life tables) revealed an almost identical State–differential in mortality to that shown by the expectation of life at

TABLE 13A ANNUAL PERCENTAGE RATE OF CHANGE IN MORTALITY INDICES, AUSTRALIA AND THE STATES AND TERRITORIES, 1971–1991

Mortality indicator	*Period*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
Number of deaths										
	1971-81	-0.323	-0.231	0.387	0.105	0.657	0.508	0.588	3.318	-0.030
	1981-91	0.631	0.536	1.369	1.053	1.693	0.850	2.221	2.592	0.875
	1971-91	0.154	0.153	0.878	0.579	1.175	0.679	1.405	2.955	0.423
Crude death rate										
	1971-81	-1.347	-1.147	-1.977	-0.838	-1.442	-0.198	-2.990	-0.773	-1.358
	1981-91	-0.563	-0.596	-0.962	0.130	-0.606	-0.036	-0.778	0.191	-0.594
	1971-91	-0.955	-0.872	-1.469	-0.354	-1.024	-0.117	-1.884	-0.291	-0.976
Standardised death rate										
	1971-81	-2.454	-2.286	-2.591	-2.266	-2.499	-1.589	-1.580	-2.974	-2.389
	1981-91	-2.014	-2.084	-2.047	-1.700	-2.034	-1.645	-1.576	-2.542	-2.003
	1971-91	-2.234	-2.185	-2.319	-1.983	-2.266	-1.617	-1.578	-2.758	-2.196
Infant mortality rate										
Males	1971-81	-5.092	-3.607	-5.925	-4.181	-5.314	-2.186	-10.343	-8.251	-5.302
	1981-91	-3.630	-3.571	-2.635	-4.403	-3.523	-4.756	-2.194	-0.895	-3.283
	1971-91	-4.361	-3.589	-4.280	-4.292	-4.418	-3.471	-6.269	-4.573	-4.292
Females	1971-81	-5.347	-3.890	-4.913	-5.918	-5.961	-2.047	-9.501	-4.682	-5.060
	1981-91	-3.075	-4.647	-3.873	-3.015	-1.725	-3.247	-2.735	-2.686	-3.356
	1971-91	-4.211	-4.268	-4.393	-4.467	-3.843	-2.647	-6.118	-3.684	-4.208
Expectation of life at birth										
Males	1971-81	0.441	0.408	0.484	0.395	0.453	0.258	0.434	0.557	0.438
	1981-91	0.424	0.417	0.457	0.378	0.429	0.456	0.484	0.476	0.424
	1971-91	0.433	0.412	0.470	0.386	0.441	0.357	0.459	0.517	0.431
Females	1971-81	0.469	0.405	0.529	0.426	0.436	0.313	0.868	0.447	0.454
	1981-91	0.280	0.278	0.257	0.184	0.230	0.227	0.307	0.261	0.260
	1971-91	0.374	0.341	0.393	0.305	0.333	0.270	0.587	0.354	0.357
Survivors to age 70										
Males	1971-81	1.369	1.265	1.402	1.111	1.210	0.753	0.943	1.374	1.294
	1981-91	1.177	1.127	1.214	1.036	1.061	1.323	0.672	1.152	1.149
	1971-91	1.273	1.196	1.308	1.073	1.135	1.038	0.807	1.263	1.222
Females	1971-81	0.846	0.702	0.914	0.749	0.670	0.482	1.778	0.560	0.789
	1981-91	0.530	0.486	0.436	0.239	0.344	0.492	0.605	0.252	0.455
	1971-91	0.688	0.594	0.675	0.494	0.507	0.487	1.192	0.406	0.622

In 1991, the expectation of life at birth above the Australian average (74.3 years for males and 80.4 years for females) occurred in the Australian Capital Territory followed by Western Australia, South Australia, Victoria and Queensland. The lowest expectation of life at birth was to be found in the Northern Territory, 67.3 years for males and 72.9 years for females. Leaving aside the Northern Territory, the gap between the highest and lowest expectancy of life at birth, 1.4 and 1.5 years for males and females respectively in 1971, increased to 2.6 years for males and 1.7 years for females in 1991.

birth, except for females in Western Australia who had slightly lower mortality than South Australia in 1986.

Considering the two periods 1971–81 and 1981–91 separately, the rate of decline in the standardised death rates was generally faster in the former than in the latter period in all the States and Territories.

With the exception of the two Territories, the standardised death rates in 1991 for males were between 66 and 69 per cent higher than for females. In the two

Territories the sex–differential was lower, between 47 and 58 per cent.

Cause-specific mortality and State-differential—I

A study of the State–differential in mortality by cause of death sheds further light on the mortality situation between the States and is useful for initiating and/or monitoring various health programs. In this study, this aspect is examined over three time periods 1971–81, 1981–91 and 1971–91 by means of the standardised death rates for various causes of death by sex. (Table 14). For a more recent time period, 1991–92, the State–differential is shown in terms of the standardised mortality ratios (Tables 15 and 16).

TABLE 14 STANDARDISED CAUSE–SPECIFIC DEATH RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971, 1981 AND 1991, AUSTRALIA, THE STATES AND TERRITORIES

Cause of death	*Year*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
Heart disease										
Males	1971	5.373	5.084	5.085	4.987	4.537	4.716	3.312	5.072	5.122
	1981	4.053	3.803	3.838	3.764	3.429	4.193	3.657	3.694	3.874
	1991	2.798	2.603	2.657	2.717	2.487	2.942	2.962	2.169	2.689
Females	1971	3.018	2.716	2.815	2.648	2.552	2.631	1.886	2.723	2.822
	1981	2.150	1.989	1.986	1.934	1.858	2.082	2.481	1.841	2.037
	1991	1.632	1.486	1.570	1.541	1.393	1.633	1.721	1.432	1.555
Neoplasms										
Males	1971	2.160	2.145	1.962	1.998	2.245	1.885	2.151	2.271	2.107
	1981	2.310	2.381	2.179	2.182	2.248	2.319	2.392	2.373	2.290
	1991	2.289	2.312	2.205	2.164	2.111	2.362	2.634	2.126	2.256
Females	1971	1.288	1.382	1.204	1.289	1.302	1.387	1.202	1.426	1.308
	1981	1.302	1.391	1.209	1.251	1.268	1.416	1.279	1.388	1.308
	1991	1.318	1.417	1.266	1.348	1.330	1.445	1.746	1.397	1.345
Cerebrovascular disease										
Males	1971	1.735	1.521	1.580	1.486	1.374	1.472	1.099	1.663	1.591
	1981	1.227	1.055	1.012	1.011	0.891	0.955	1.318	0.807	1.088
	1991	0.748	0.596	0.686	0.677	0.596	0.665	0.660	0.598	0.674
Females	1971	1.617	1.470	1.547	1.361	1.292	1.404	0.717	1.433	1.510
	1981	1.076	0.943	0.961	0.874	0.763	0.954	0.771	0.965	0.975
	1991	0.663	0.548	0.599	0.568	0.544	0.580	0.515	0.418	0.599
Chronic obs.pulm.disease										
Males	1971	0.791	0.772	0.692	0.599	0.761	0.886	0.654	0.873	0.753
	1981	0.661	0.743	0.665	0.661	0.685	0.969	1.330	0.748	0.696
	1991	0.562	0.568	0.522	0.518	0.484	0.633	1.230	0.434	0.550
Females	1971	0.148	0.129	0.127	0.109	0.132	0.165	0.128	0.110	0.135
	1981	0.167	0.173	0.146	0.136	0.171	0.220	0.748	0.151	0.166
	1991	0.230	0.213	0.192	0.163	0.173	0.266	0.869	0.170	0.211
Motor vehicle accidents										
Males	1971	0.401	0.454	0.487	0.398	0.451	0.490	0.609	0.410	0.435
	1981	0.364	0.297	0.383	0.305	0.297	0.363	0.666	0.296	0.340
	1991	0.174	0.173	0.198	0.201	0.184	0.233	0.521	0.144	0.186
Females	1971	0.139	0.158	0.155	0.140	0.174	0.152	0.292	0.131	0.151
	1981	0.126	0.113	0.120	0.102	0.102	0.123	0.170	0.107	0.117
	1991	0.070	0.073	0.089	0.081	0.072	0.090	0.199	0.080	0.077
Other accidents										
Males	1971	0.334	0.318	0.466	0.307	0.394	0.438	0.915	0.334	0.357
	1981	0.268	0.239	0.298	0.232	0.286	0.346	0.635	0.240	0.268
	1991	0.218	0.186	0.221	0.192	0.201	0.270	0.511	0.171	0.209
Females	1971	0.166	0.194	0.202	0.156	0.158	0.185	0.498	0.167	0.179
	1981	0.118	0.110	0.124	0.103	0.121	0.123	0.225	0.097	0.116
	1991	0.086	0.085	0.097	0.076	0.093	0.120	0.248	0.080	0.089
Pneumonia and influenza										
Males	1971	0.414	0.378	0.419	0.373	0.271	0.457	1.511	0.299	0.395
	1981	0.169	0.204	0.216	0.279	0.288	0.196	0.928	0.338	0.211
	1991	0.098	0.100	0.145	0.210	0.159	0.298	0.659	0.234	0.131
Females	1971	0.245	0.212	0.257	0.226	0.160	0.357	1.344	0.189	0.237
	1981	0.091	0.136	0.119	0.169	0.145	0.125	0.808	0.215	0.122
	1991	0.060	0.070	0.078	0.136	0.084	0.203	0.517	0.128	0.081

TABLE 14 STANDARDISED CAUSE–SPECIFIC DEATH RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971, 1981 AND 1991, AUSTRALIA, THE STATES AND TERRITORIES

Cause of death	*Year*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
Diabetes mellitus										
Males	1971	0.172	0.208	0.124	0.191	0.158	0.177	0.123	0.243	0.175
	1981	0.125	0.165	0.109	0.132	0.124	0.110	0.232	0.151	0.134
	1991	0.133	0.197	0.118	0.124	0.138	0.105	0.311	0.163	0.147
Females	1971	0.168	0.194	0.133	0.166	0.173	0.175	0.214	0.122	0.171
	1981	0.094	0.137	0.095	0.112	0.124	0.109	0.276	0.093	0.111
	1991	0.088	0.143	0.097	0.096	0.109	0.091	0.494	0.076	0.108
Suicide										
Males	1971	0.186	0.174	0.213	0.171	0.206	0.160	0.133	0.123	0.185
	1981	0.166	0.172	0.198	0.183	0.184	0.221	0.180	0.146	0.177
	1991	0.193	0.198	0.231	0.234	0.209	0.280	0.246	0.201	0.209
Females	1971	0.089	0.090	0.102	0.063	0.076	0.099	0.047	0.060	0.087
	1981	0.054	0.062	0.065	0.068	0.050	0.054	0.032	0.029	0.058
	1991	0.050	0.050	0.057	0.065	0.051	0.060	0.032	0.046	0.053
Nephritis, nephrotic										
Males	1971	0.075	0.058	0.084	0.071	0.087	0.126	0.017	0.128	0.074
	1981	0.095	0.063	0.120	0.077	0.073	0.069	0.205	0.106	0.087
	1991	0.086	0.095	0.092	0.059	0.092	0.064	0.224	0.096	0.087
Females	1971	0.061	0.037	0.092	0.037	0.044	0.074	0.088	0.020	0.056
	1981	0.083	0.044	0.090	0.041	0.067	0.036	0.164	0.067	0.067
	1991	0.076	0.054	0.075	0.041	0.046	0.045	0.240	0.068	0.064
Chronic liver										
Males	1971	0.096	0.096	0.069	0.109	0.073	0.067	0.145	0.061	0.091
	1981	0.142	0.131	0.114	0.112	0.115	0.095	0.154	0.118	0.128
	1991	0.103	0.099	0.081	0.086	0.082	0.061	0.229	0.091	0.094
Females	1971	0.042	0.032	0.028	0.041	0.043	0.019	0.105	0.066	0.037
	1981	0.054	0.042	0.036	0.034	0.043	0.037	0.090	0.044	0.045
	1991	0.036	0.028	0.029	0.028	0.034	0.034	0.107	0.015	0.032
Other diseases										
Males	1971	1.757	1.762	1.867	1.677	2.024	1.775	6.017	2.572	1.803
	1981	1.372	1.365	1.409	1.213	1.382	1.622	3.216	1.396	1.378
	1991	1.360	1.270	1.237	1.164	1.218	1.479	2.561	1.197	1.294
Females	1971	1.288	1.261	1.406	1.135	1.324	1.287	5.683	1.416	1.297
	1981	0.919	0.954	0.964	0.847	0.944	1.104	2.846	0.873	0.942
	1991	0.872	0.879	0.852	0.806	0.864	1.075	2.004	0.908	0.875
All causes of death										
Males	1971	13.494	12.973	13.049	12.369	12.582	12.648	16.686	14.049	13.090
	1981	10.952	10.619	10.540	10.151	10.001	11.458	14.913	10.412	10.672
	1991	8.763	8.397	8.394	8.345	7.963	9.392	12.750	7.623	8.526
Females	1971	8.271	7.875	8.068	7.371	7.430	7.933	12.207	7.866	7.990
	1981	6.233	6.093	5.915	5.672	5.659	6.382	9.890	5.870	6.064
	1991	5.182	5.045	5.000	4.948	4.794	5.640	8.693	4.818	5.088

Heart disease

The standardised death rate due to heart disease declined between 1971 and 1991 in all States and Territories except the Northern Territory where the rate increased between 1971–81. The rate of decline was faster during 1981–91 than during 1971–81 among males but the reverse was true for females.

The State–differential generally narrowed over these two decades. In 1991, the death rate due to heart disease was above the Australian average in Tasmania, New South Wales and the Northern Territory. The high death rate in New South Wales has persisted since 1971 but in Tasmania and the Northern Territory, a rate higher than the Australian average rate emerged somewhat later.

In 1991, the lowest mortality rate due to heart disease was registered in the Australian Capital Territory for males and in Western Australia for females. The highest sex–differential in the standardised death rate was in Tasmania (1.8 male to 1 female death) and the lowest was in the Australian Capital Territory (1.5:1).

The relative contribution of this disease to the overall standardised death rate was lowest in the Northern Territory (20 to 23%) as against between 29 and 33 per cent in the other States and Territories.

FIGURE 10.1 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES

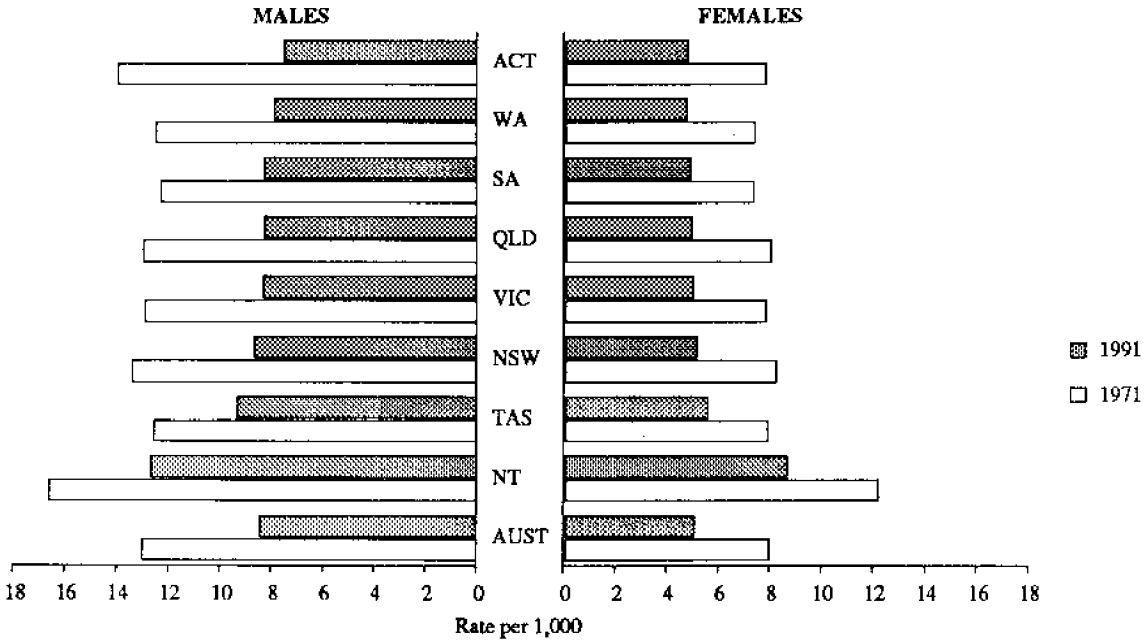
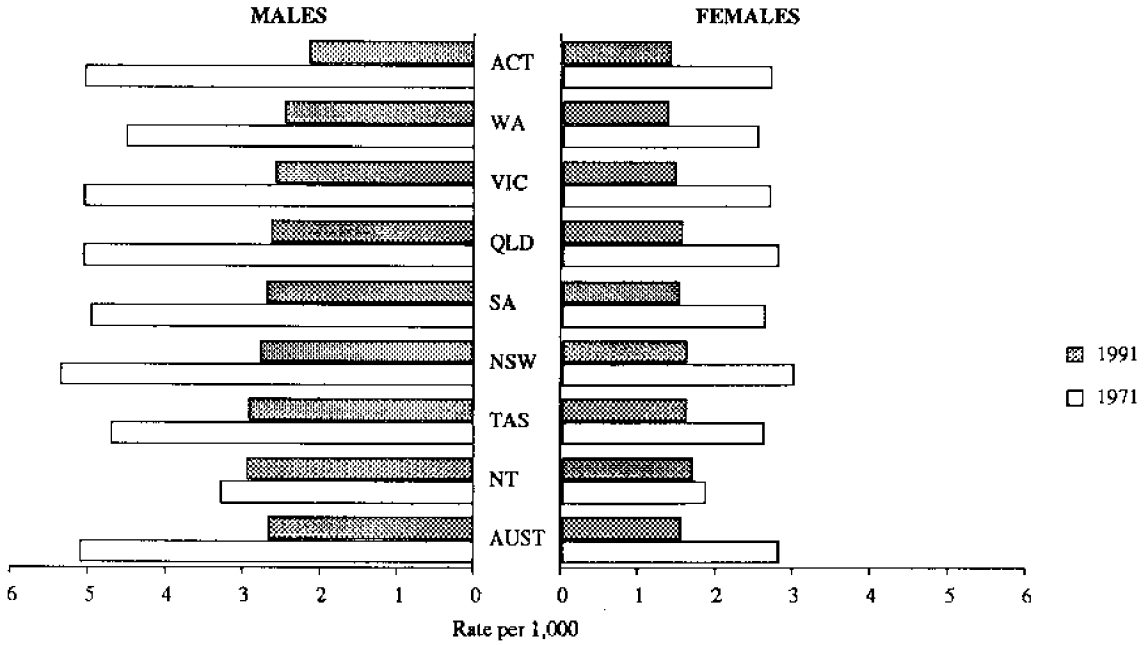


FIGURE 10.2 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES HEART DISEASE



Malignant neoplasms

Between 1971 and 1991, the standardised death rate due to malignant neoplasms generally increased in all States and Territories. These rates, except for Queensland, Tasmania and the Northern Territory, fell for males and rose for females during 1981–91.

In 1991, the highest death rate due to this cause occurred in the Northern Territory followed by Tasmania for both sexes. The lowest rate occurred in Western Australia for males and Queensland for females.

The male–female disparity in the death rate due to this cause was the highest in Queensland (1.7:1) and lowest in the Northern Territory (1.5:1).

Malignant neoplasms contributed between 20 and 21 per cent to the total death rate in the Northern Territory as opposed to between 25 and 29 per cent in the other States/Territories.

TABLE 14A ANNUAL PERCENTAGE RATE OF CHANGE IN STANDARDISED CAUSE–SPECIFIC DEATH RATES, AUSTRALIA, THE STATES AND TERRITORIES

Cause of death	*Period*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
Heart disease										
Males	1971-81	-2.819	-2.903	-2.814	-2.814	-2.798	-1.176	0.992	-3.171	-2.792
	1981-91	-3.707	-3.790	-3.675	-3.260	-3.211	-3.543	-2.110	-5.323	-3.651
	1971-91	-3.263	-3.346	-3.244	-3.037	-3.005	-2.360	-0.559	-4.247	-3.222
Females	1971-81	-3.390	-3.114	-3.490	-3.141	-3.171	-2.343	2.745	-3.916	-3.262
	1981-91	-2.759	-2.918	-2.350	-2.275	-2.881	-2.428	-3.657	-2.509	-2.701
	1971-91	-3.075	-3.016	-2.920	-2.708	-3.026	-2.385	-0.456	-3.212	-2.981
Neoplasms										
Males	1971-81	0.669	1.044	1.047	0.880	0.013	2.075	1.062	0.439	0.833
	1981-91	-0.089	-0.297	0.120	-0.083	-0.627	0.183	0.967	-1.101	-0.152
	1971-91	0.290	0.374	0.583	0.398	-0.307	1.129	1.015	-0.331	0.341
Females	1971-81	0.105	0.064	0.037	-0.298	-0.269	0.211	0.621	-0.272	0.003
	1981-91	0.127	0.188	0.459	0.749	0.476	0.199	3.111	0.070	0.278
	1971-91	0.116	0.126	0.248	0.225	0.103	0.205	1.866	-0.101	0.140
Cerebrovascular disease										
Males	1971-81	-3.459	-3.658	-4.459	-3.852	-4.330	-4.328	1.815	-7.235	-3.801
	1981-91	-4.958	-5.705	-3.879	-4.004	-4.019	-3.610	-6.920	-3.000	-4.790
	1971-91	-4.209	-4.682	-4.169	-3.928	-4.175	-3.969	-2.553	-5.118	-4.295
Females	1971-81	-4.073	-4.439	-4.759	-4.437	-5.260	-3.863	0.737	-3.956	-4.375
	1981-91	-4.834	-5.434	-4.721	-4.305	-3.387	-4.983	-4.046	-8.366	-4.872
	1971-91	-4.454	-4.937	-4.740	-4.371	-4.323	-4.423	-1.654	-6.161	-4.624
Chronic obs.pulm.disease										
Males	1971-81	-1.796	-0.385	-0.395	0.984	-1.060	0.893	7.094	-1.547	-0.781
	1981-91	-1.619	-2.677	-2.422	-2.443	-3.471	-4.258	-0.783	-5.438	-2.360
	1971-91	-1.708	-1.531	-1.409	-0.730	-2.265	-1.682	3.155	-3.493	-1.571
Females	1971-81	1.226	2.927	1.393	2.184	2.578	2.893	17.680	3.189	2.031
	1981-91	3.165	2.104	2.743	1.837	0.098	1.902	1.496	1.128	2.411
	1971-91	2.195	2.516	2.068	2.011	1.338	2.398	9.588	2.158	2.221
Motor vehicle accidents										
Males	1971-81	-0.965	-4.263	-2.402	-2.663	-4.183	-2.994	0.891	-3.264	-2.478
	1981-91	-7.352	-5.400	-6.578	-4.171	-4.795	-4.444	-2.464	-7.227	-6.044
	1971-91	-4.159	-4.832	-4.490	-3.417	-4.489	-3.719	-0.787	-5.245	-4.261
Females	1971-81	-1.046	-3.307	-2.566	-3.185	-5.327	-2.060	-5.403	-2.029	-2.522
	1981-91	-5.797	-4.361	-3.021	-2.224	-3.522	-3.162	1.600	-2.901	-4.194
	1971-91	-3.421	-3.834	-2.793	-2.705	-4.424	-2.611	-1.902	-2.465	-3.358
Other accidents										
Males	1971-81	-2.197	-2.867	-4.493	-2.786	-3.218	-2.353	-3.651	-3.293	-2.866
	1981-91	-2.081	-2.524	-2.971	-1.930	-3.517	-2.475	-2.168	-3.420	-2.482
	971-91	-2.139	-2.695	-3.732	-2.358	-3.367	-2.414	-2.909	-3.357	-2.674
Females	1971-81	-3.409	-5.651	-4.882	-4.109	-2.676	-4.091	-7.936	-5.376	-4.312
	1981-91	-3.206	-2.644	-2.425	-3.101	-2.581	-0.181	0.959	-1.924	-2.682
	1971-91	-3.308	-4.148	-3.653	-3.605	-2.628	-2.136	-3.489	-3.650	-3.497
Pneumonia and influenza										
Males	1971-81	-8.947	-6.141	-6.627	-2.924	0.578	-8.469	-4.870	1.223	-6.285
	1981-91	-5.417	-7.137	-3.968	-2.849	-5.931	4.195	-3.421	-3.698	-4.728
	1971-91	-7.182	-6.639	-5.297	-2.887	-2.676	-2.137	-4.146	-1.238	-5.507
Females	1971-81	-9.946	-4.480	-7.736	-2.884	-0.994	-10.505	-5.090	1.291	-6.618
	1981-91	-4.085	-6.593	-4.243	-2.194	-5.489	4.858	-4.456	-5.212	-4.099
	1971-91	-7.015	-5.536	-5.989	-2.539	-3.241	-2.824	-4.773	-1.961	-5.359

TABLE 14A ANNUAL PERCENTAGE RATE OF CHANGE IN STANDARDISED CAUSE–SPECIFIC DEATH RATES, AUSTRALIA, THE STATES AND TERRITORIES

Cause of death	*Period*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
Diabetes mellitus										
Males	1971-81	-3.179	-2.267	-1.297	-3.739	-2.456	-4.782	6.309	-4.744	-2.721
	1981-91	0.603	1.732	0.788	-0.592	1.110	-0.390	2.940	0.756	0.947
	1971-91	-1.288	-0.268	-0.255	-2.166	-0.673	-2.586	4.624	-1.994	-0.887
Females	1971-81	-5.854	-3.444	-3.361	-3.912	-3.271	-4.707	2.520	-2.668	-4.302
	1981-91	-0.620	0.381	0.238	-1.605	-1.292	-1.822	5.832	-2.089	-0.283
	1971-91	-3.237	-1.531	-1.561	-2.758	-2.281	-3.264	4.176	-2.379	-2.293
Suicide										
Males	1971-81	-1.121	-0.142	-0.739	0.691	-1.144	3.257	3.050	1.722	-0.437
	1981-91	1.525	1.449	1.548	2.425	1.278	2.338	3.140	3.212	1.645
	1971-91	0.202	0.654	0.405	1.558	0.067	2.797	3.095	2.467	0.604
Females	1971-81	-4.979	-3.772	-4.476	0.756	-4.096	-6.019	-3.722	-7.180	-4.030
	1981-91	-0.829	-2.034	-1.270	-0.437	0.121	0.943	-0.159	4.567	-1.031
	1971-91	-2.904	-2.903	-2.873	0.160	-1.988	-2.538	-1.940	-1.307	-2.530
Nephritis, nephrotic										
Males	1971-81	2.403	0.776	3.577	0.894	-1.706	-6.022	25.083	-1.876	1.651
	1981-91	-1.011	4.109	-2.686	-2.684	2.351	-0.824	0.875	-0.935	0.047
	1971-91	0.696	2.442	0.446	-0.895	0.322	-3.423	12.979	-1.406	0.849
Females	1971-81	2.984	1.593	-0.164	1.056	4.286	-7.247	6.238	12.097	1.845
	1981-91	-0.792	2.062	-1.893	-0.152	-3.805	2.130	3.806	0.118	-0.443
	1971-91	1.096	1.828	-1.028	0.452	0.241	-2.558	5.022	6.107	0.701
Chronic liver										
Males	1971-81	3.851	3.127	5.003	0.234	4.550	3.490	0.595	6.559	3.457
	1981-91	-3.171	-2.865	-3.396	-2.666	-3.317	-4.395	3.975	-2.605	-3.099
	1971-91	0.340	0.131	0.803	-1.216	0.617	-0.452	2.285	1.977	0.179
Females	1971-81	2.477	2.790	2.660	-1.726	-0.065	6.620	-1.549	-4.024	1.970
	1981-91	-3.869	-3.978	-2.341	-1.997	-2.269	-0.710	1.781	-10.470	-3.261
	1971-91	-0.696	-0.594	0.159	-1.861	-1.167	2.955	0.116	-7.247	-0.646
Other diseases										
Males	1971-81	-2.476	-2.554	-2.812	-3.243	-3.816	-0.902	-6.264	-6.111	-2.687
	1981-91	-0.085	-0.724	-1.303	-0.410	-1.262	-0.921	-2.279	-1.536	-0.632
	1971-91	-1.281	-1.639	-2.057	-1.827	-2.539	-0.911	-4.271	-3.824	-1.659
Females	1971-81	-3.378	-2.795	-3.768	-2.923	-3.377	-1.538	-6.918	-4.841	-3.198
	1981-91	-0.528	-0.819	-1.240	-0.506	-0.886	-0.265	-3.504	0.395	-0.737
	1971-91	-1.953	-1.807	-2.504	-1.714	-2.131	-0.902	-5.211	-2.223	-1.967
All causes of death										
Males	1971-81	-2.087	-2.002	-2.136	-1.977	-2.296	-0.988	-1.124	-2.996	-2.043
	1981-91	-2.230	-2.348	-2.276	-1.959	-2.279	-1.988	-1.567	-3.119	-2.245
	1971-91	-2.159	-2.175	-2.206	-1.968	-2.287	-1.488	-1.345	-3.057	-2.144
Females	1971-81	-2.829	-2.565	-3.104	-2.621	-2.724	-2.176	-2.105	-2.927	-2.758
	1981-91	-1.846	-1.887	-1.680	-1.365	-1.659	-1.237	-1.290	-1.976	-1.755
	1971-91	-2.338	-2.226	-2.392	-1.993	-2.191	-1.706	-1.698	-2.452	-2.256

Cerebrovascular disease

The standardised death rate due to cerebrovascular disease declined in each State/Territory in both time periods 1971–81 and 1981–91. The rate of decline, except for a few States, was faster in the latter period.

The State–differential generally narrowed over these two decades. In 1991, New South Wales, Queensland and South Australia (for males only) recorded higher rates than for Australia as a whole. The lowest rate was found in Victoria and Western Australia for males and the Australian Capital Territory for females.

The Australian Capital Territory had the highest (1.4:1) and Victoria the lowest (1.1:1) sex–differential in mortality due to this cause.

Chronic obstructive pulmonary disease and allied conditions

The standardised death rate due to chronic obstructive pulmonary disease and allied conditions in each State/Territory decreased for males but increased for females during 1971–91. In 1991, rates above the Australian level were found in the Northern Territory, Tasmania, Victoria and New South Wales in that order. The lowest rate was recorded in Australian Capital Territory among males and South Australia for females.

FIGURE 10.3 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES NEOPLASMS

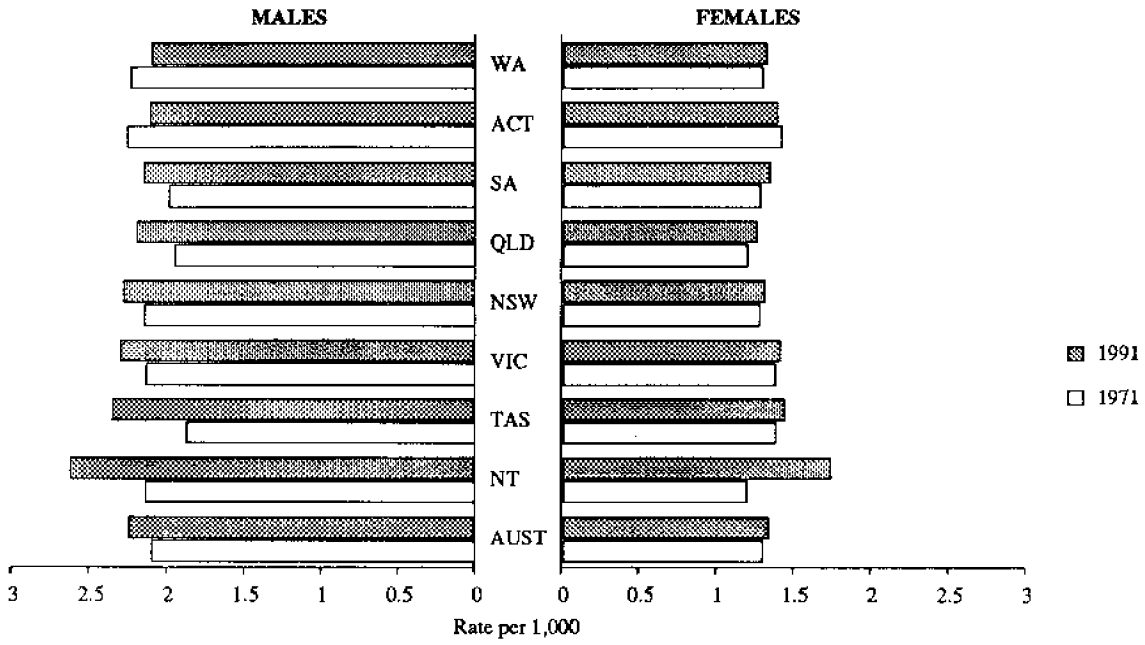
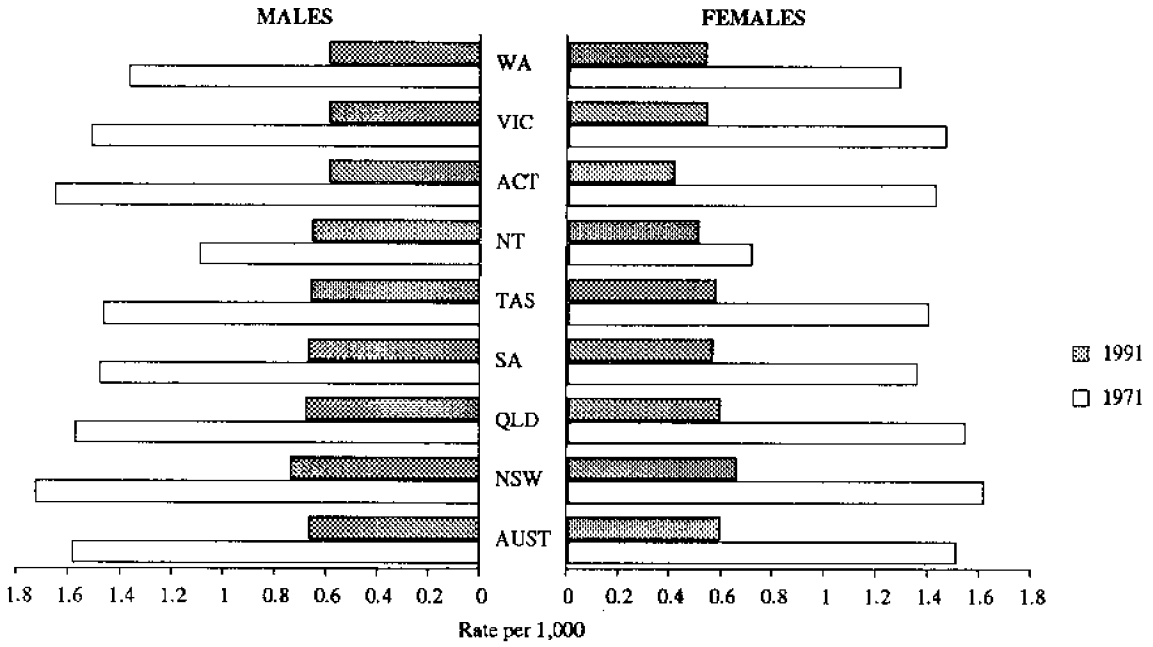


FIGURE 10.4 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES CEREBROVASCULAR DISEASE



The sex–differential in mortality due to this cause was the highest in South Australia (3.2:1) and lowest in the Northern Territory (1.4:1).

Motor vehicle traffic accidents

The standardised death rate due to motor vehicle traffic accidents declined in each State/Territory in both time periods: 1971–81 and 1981–91. In 1991, higher death rates than the national average were found in the Northern Territory, Tasmania, South Australia, and Queensland for both sexes, and in the Australian Capital Territory for females. The Australian Capital Territory had the lowest incidence of male mortality and New South Wales that of female mortality due to this cause.

The sex–differential in mortality was the highest in the Northern Territory (2.6:1) and lowest in the Australian Capital Territory (1.8:1).

Other accidents

The standardised death rate due to other accidents also declined in each State and Territory during 1971–91. In 1991, rates higher than the Australian average occurred in the Northern Territory, Tasmania and Queensland for both sexes and in New South Wales for males only. The lowest rates were found in the Australian Capital Territory for males and in South Australia for females.

The sex–differential in mortality was the highest in New South Wales (2.5:1) and lowest in the Northern Territory (2.0:1).

Pneumonia and influenza

The standardised death rate due to pneumonia and influenza declined in each State/Territory during 1971–91. A faster decline occurred in the 1971–81 period than the 1981–91 period. With the exception of New South Wales, Victoria and Queensland (females only), all States and Territories had death rates above the Australian average in 1991. The highest rate was found in the Northern Territory followed by Tasmania and the Australian Capital Territory.

The sex–differential in mortality was the highest in Western Australia (1.9:1) and lowest in the Northern Territory (1.3:1).

Diabetes mellitus

The standardised death rate due to diabetes mellitus increased in some States and Territories in 1981–91. In 1991, rates above Australian average were found in the Northern Territory and Victoria for both sexes, the Australian Capital Territory for males, and Western Australia for females. The lowest rate occurred in Tasmania for males and in New South Wales for females.

The sex–differential in mortality was the highest in the Australian Capital Territory (2.1:1) and lowest in the Northern Territory (0.6:1).

Suicide

The standardised death rate due to suicide increased during 1981–91 in each State/Territory for males. For females, Western Australia, Tasmania and the Australian Capital Territory shared in the rise in the death rate during the same period. In 1991, Tasmania, South Australia and Queensland for both sexes, and the Northern Territory and Western Australia for males, had higher death rates than Australia. The death rates due to suicide were lowest in New South Wales for males and the Australian Capital Territory for females.

The sex–differential in the death rates was the highest in the Northern Territory (7.8:1) and lowest in South Australia (3.6:1).

Nephritis, nephrotic syndrome and nephrosis

The standardised death rate due to nephritis, nephrotic syndrome and nephrosis increased in Victoria for both sexes during 1971–91 but for other States and Territories these rates fell or rose inconsistently without showing any definite trend during the two time periods 1971–81 and 1981–91. In 1991, above Australian rates occurred in the two Territories, Victoria and Queensland for both sexes and in Western Australia for males.

The sex–differential in the death rate was the highest in Western Australia (2.0:1) and lowest in the Northern Territory (0.9:1).

Chronic liver disease and cirrhosis

The standardised death rate due to chronic liver disease and cirrhosis increased during 1971–81 in each State/Territory for males but only in New South Wales, Victoria, Queensland and Tasmania for females. However, during the period 1981–91 death rates declined for both sexes in each State/Territory except in the Northern Territory for females. In 1986, New South Wales and the Northern Territory for both sexes and Victoria for males and Tasmania and Western Australia for females had higher death rates by sex than did Australia.

The highest sex–differential in the death rate occurred in the Australian Capital Territory (5.9:1) and lowest in Tasmania (1.8:1).

FIGURE 10.5 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES CHRONIC OBSTRUCTIVE PULMONARY DISEASE

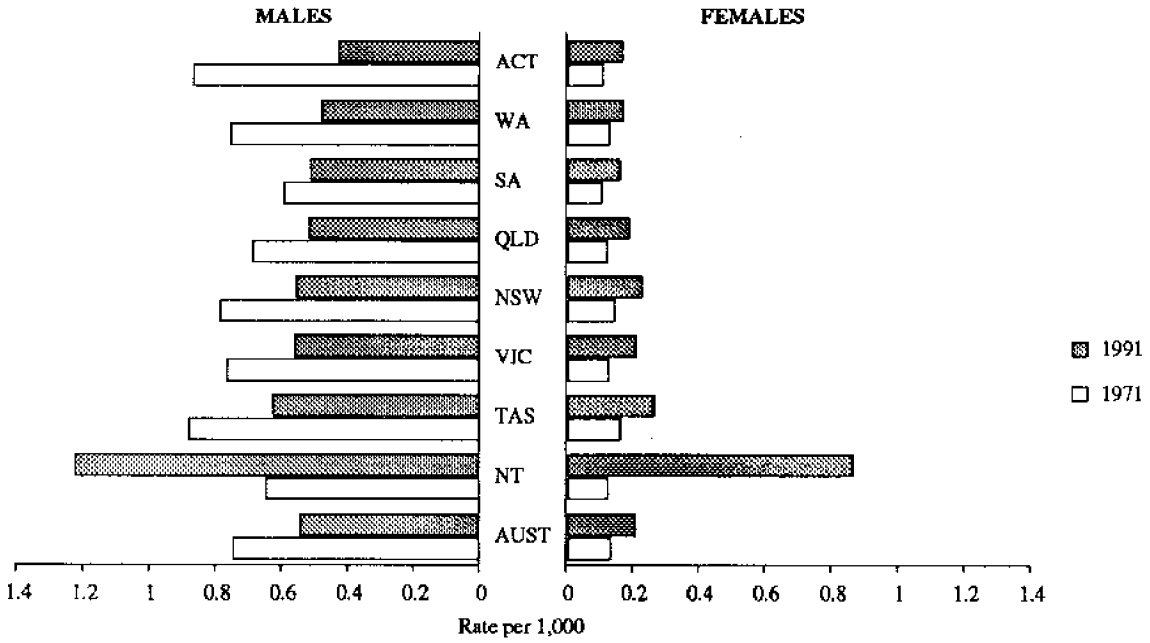


FIGURE 10.6 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES MOTOR VEHICLE ACCIDENTS

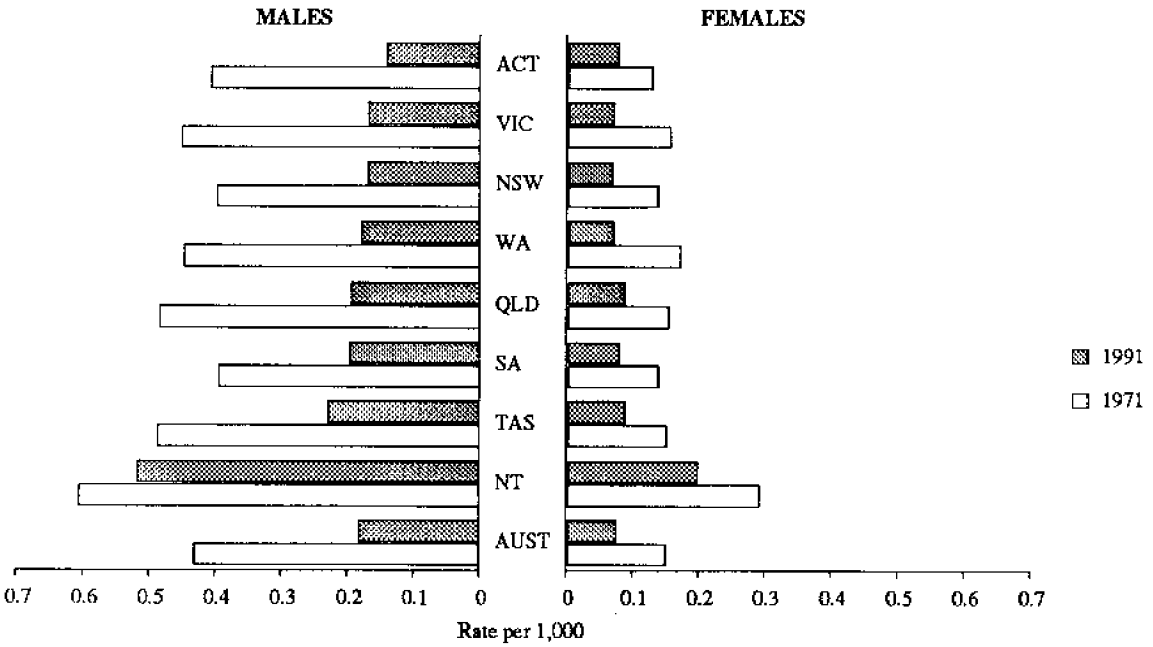


FIGURE 10.7 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES OTHER ACCIDENTS

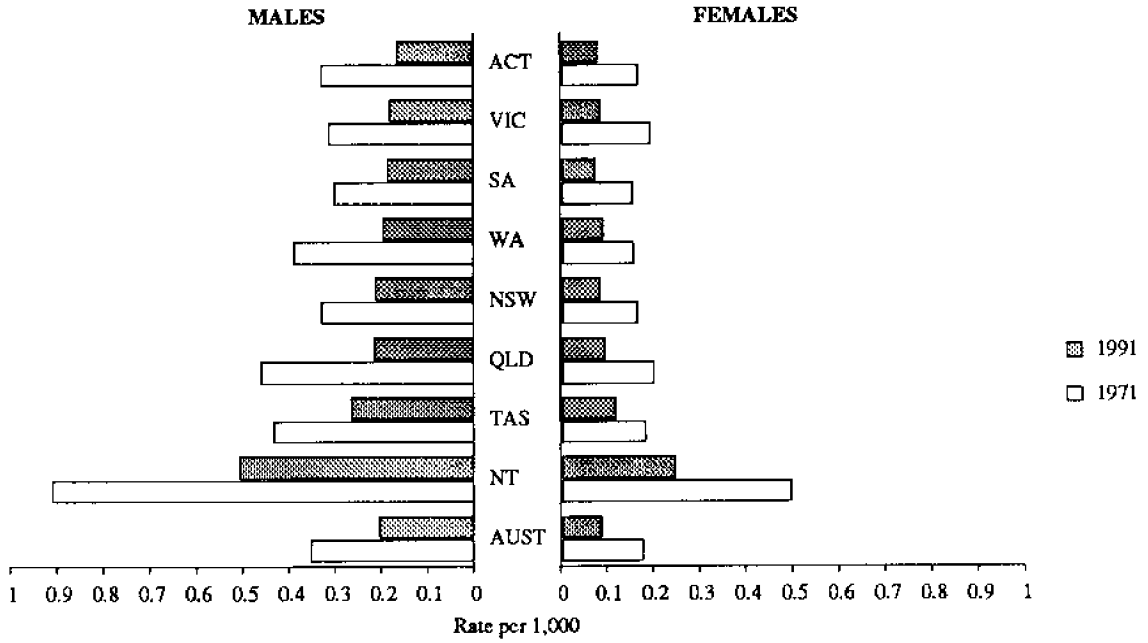


FIGURE 10.8 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES PNEUMONIA AND INFLUENZA

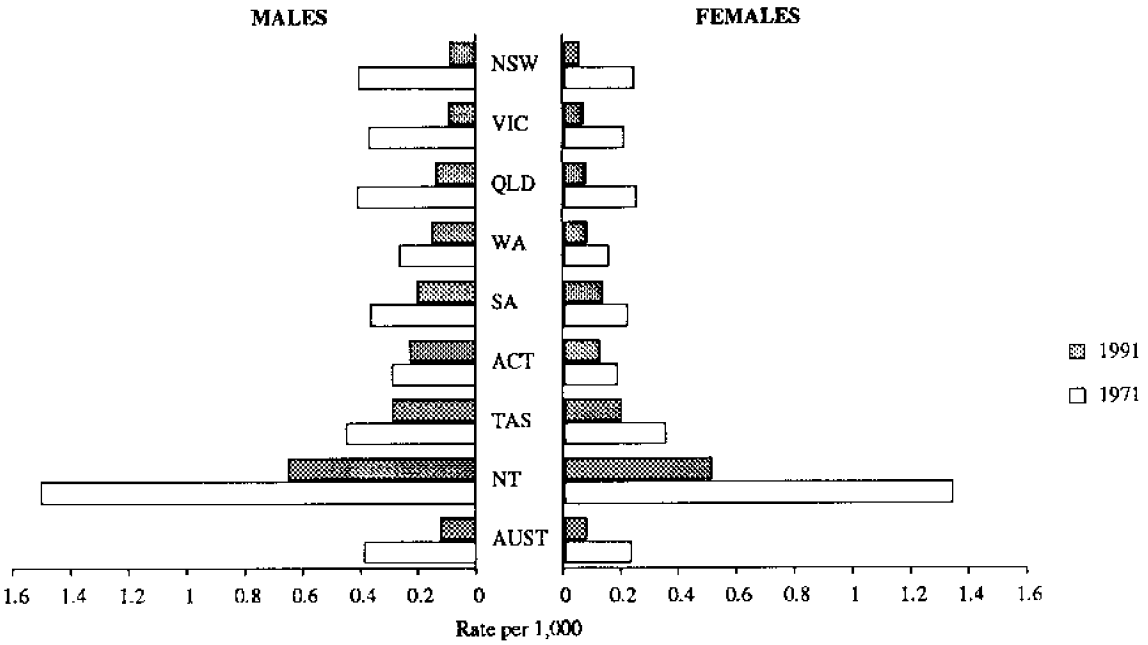


FIGURE 10.9 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES DIABETES MELLITUS

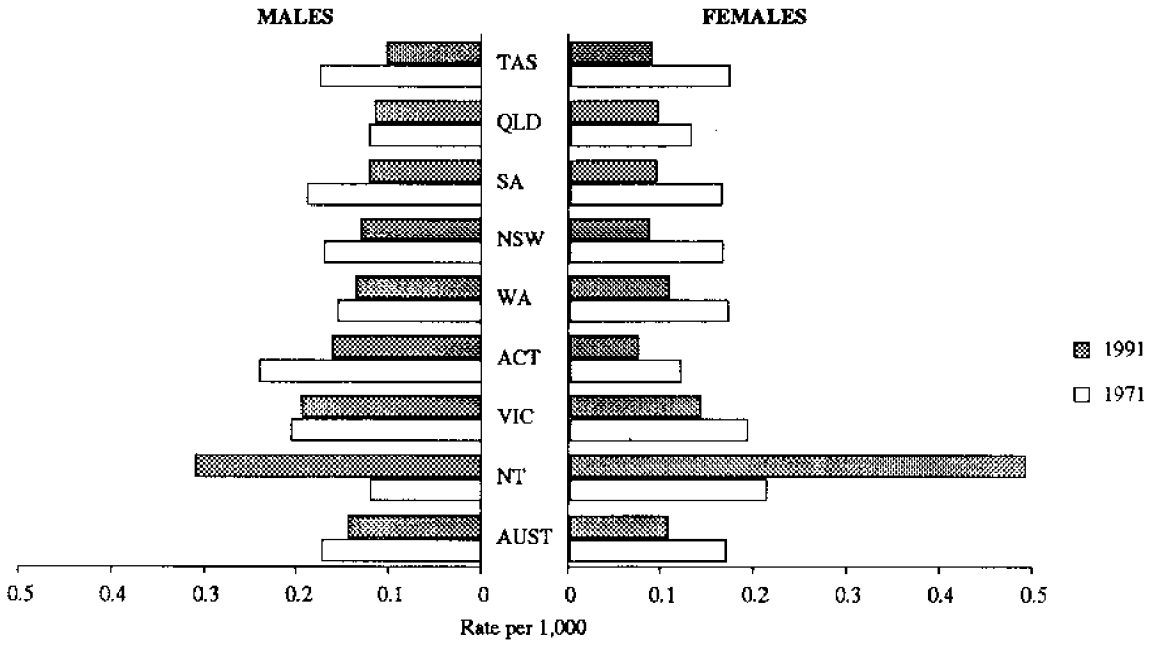


FIGURE 10.10 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES SUICIDE

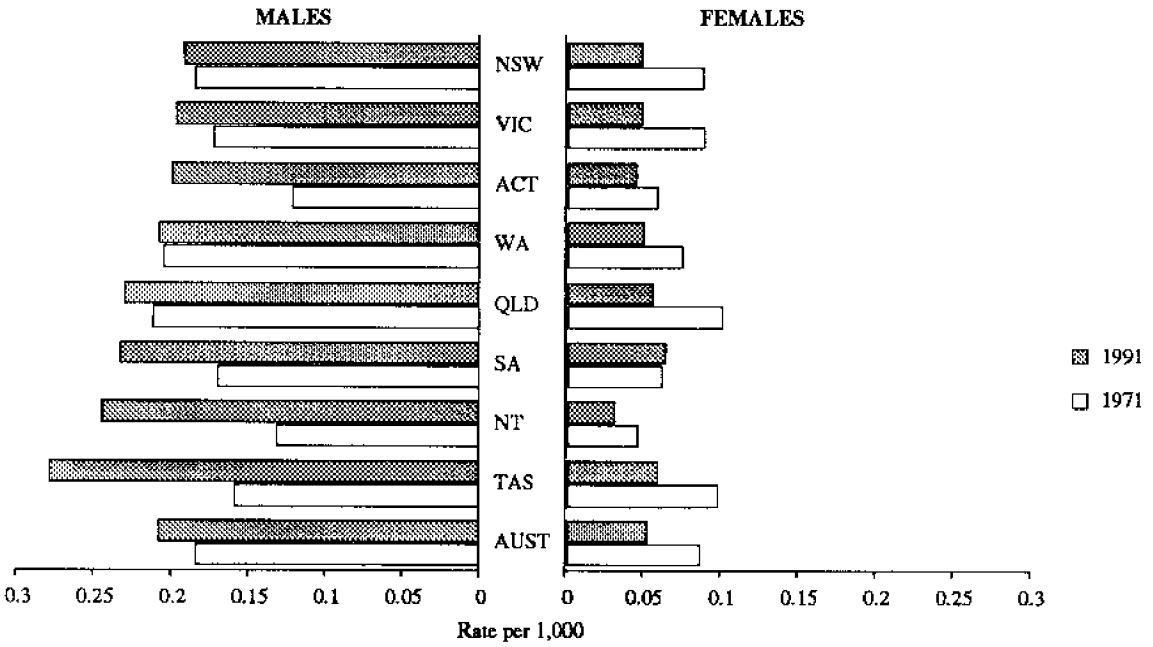


FIGURE 10.11 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

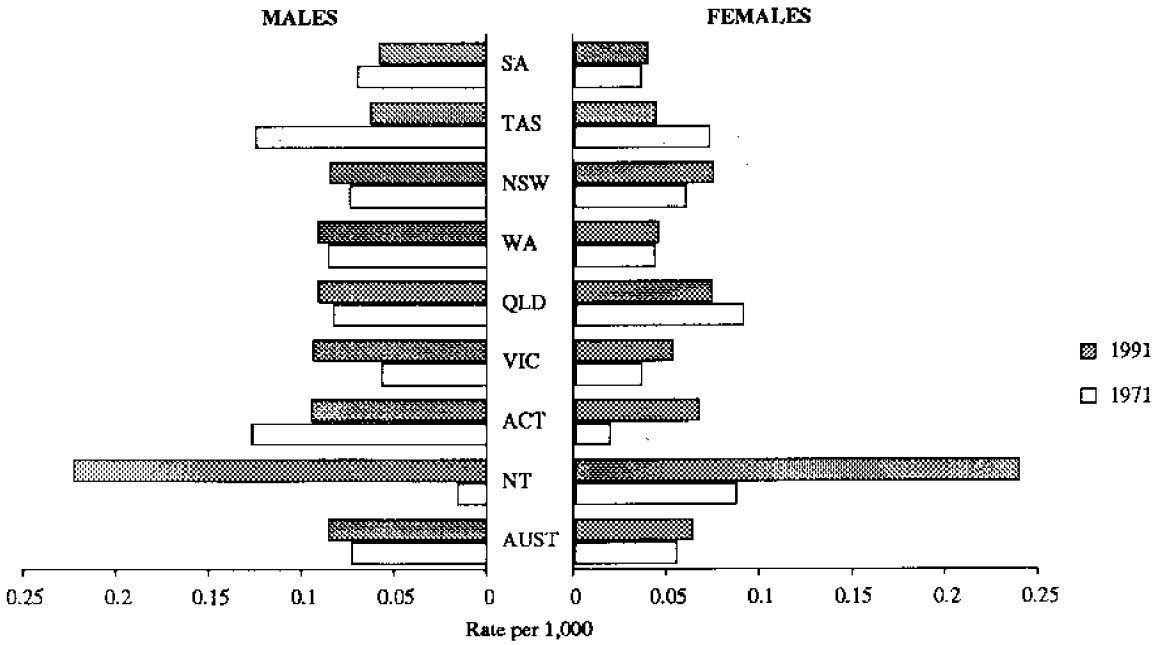
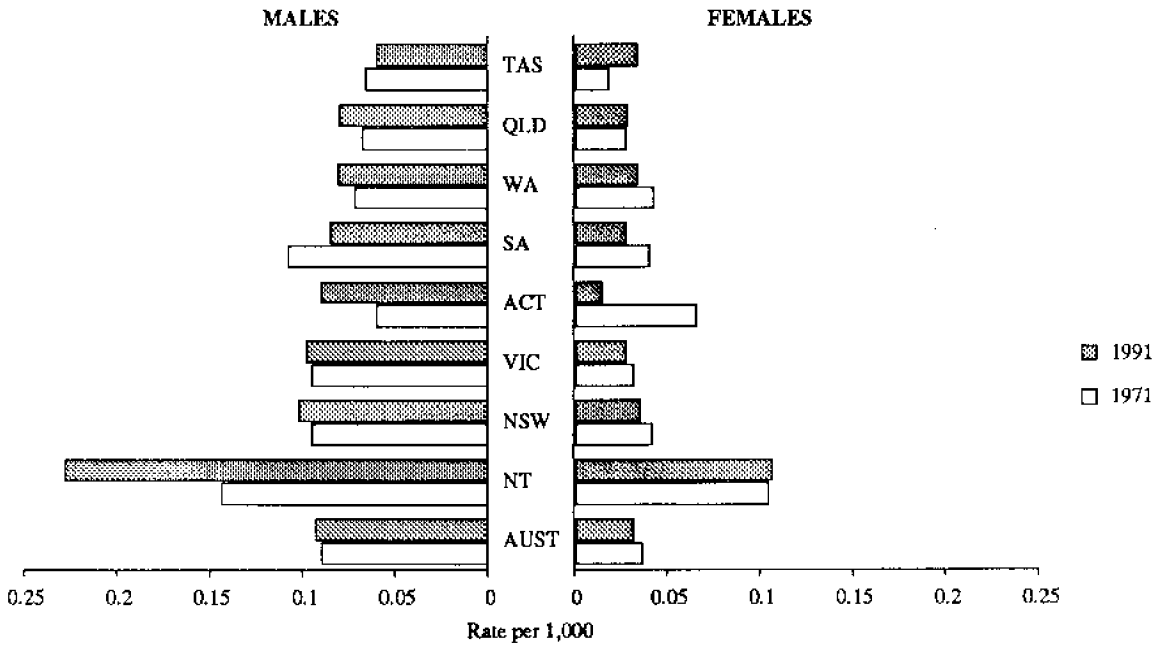


FIGURE 10.12 STANDARDISED DEATH RATES FOR AUSTRALIA, THE STATES AND TERRITORIES CHRONIC LIVER DISEASE AND CIRRHOSIS



Cause-specific mortality and State-differential—II

The standardised mortality ratios (SMR) given in Table 15 provide an additional means of studying State–differential in mortality. The SMR is the ratio of the observed to expected deaths multiplied by 100. A SMR of over 100 in an area signals higher observed mortality than would be expected, based on the age–sex structure of the population in the area and the age–sex–cause–specific death rates for Australia in the same time period. This index is an indirectly standardised summary measure of mortality. These ratios are calculated for each sex and cause of death by broad age groups. But for brevity, Table 15 gives mortality State–differential based on ratios for all ages combined. Table 16 sums up the current mortality situation for both sexes together.

TABLE 15 STANDARDISED MORTALITY RATIO BY CAUSE, STATES AND TERRITORIES OF AUSTRALIA, 1991 TO 1992

Cause of death	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Total*
(Persons of all ages)									
Heart disease	104*	97*	100	101	91*	106*	141*	88*	100
Neoplasms	100	104*	98*	96*	96*	104	129*	95	100
Cerebrovascular disease	110*	91*	101	100	91*	100	96	76*	100
Chronic obs. pulm. disease	105*	103	95*	85*	85*	117*	345*	68*	100
Motor vehicle accidents	91*	92*	112*	107	104	131*	277*	80	100
Other accidents	101	92*	105	92	99	139*	231*	92	100
Pneumonia and influenza	75*	81*	101	173*	109	226*	772*	163*	100
Diabetes mellitus	85*	131*	90*	89*	98	79*	385*	71*	100
Suicide	94*	97	108*	112*	98	133*	98	85	100
Nephritis, nephrotic	109*	96	113*	69*	80*	81	483*	89	100
Chronic liver	108*	104	86*	96	89	75*	236*	78	100
Other diseases	102*	99	96*	90*	98	118*	251*	93	100
All causes of death	102*	99*	99*	98*	94*	110*	188*	89*	100
(Males of all ages)									
Heart disease	104*	97*	99	102	92*	108*	142*	80*	100
Neoplasms	101	102*	99	95*	94*	100	124*	91	100
Cerebrovascular disease	110*	89*	102	100	90*	102	105	85	100
Chronic obs. pulm. disease	102	104	97	93*	86*	114*	281*	62*	100
Motor vehicle accidents	92*	91*	112*	104	106	132*	272*	72*	100
Other accidents	104	89*	102	98	97	129*	202*	101	100
Pneumonia and influenza	77*	72*	108	159*	126*	228*	738*	152	100
Diabetes mellitus	89*	129*	86*	92	100	66*	265*	79	100
Suicide	94*	97	108*	108	99	133*	103	86	100
Nephritis, nephrotic	101	105	107	70*	90	92	530*	112	100
Chronic liver	106	107	86*	99	86	66*	217*	96	100
Other diseases	106*	98	95*	89*	95*	112*	232*	91	100
All causes of death	102*	99*	99	98*	94*	108*	178*	86*	100
(Females of all ages)									
Heart disease	104*	97*	101	100	89*	105	138*	96	100
Neoplasms	97*	106*	96*	98	100	108*	136*	99	100
Cerebrovascular disease	109*	92*	100	100	92*	99	85	69*	100
Chronic obs. pulm. disease	110*	103	91*	71*	84*	123*	485*	79	100
Motor vehicle accidents	89*	93	112	114	101	128	289*	98	100
Other accidents	96	96	112	81*	102	156*	328*	73	100
Pneumonia and influenza	74*	89*	95	186*	94	224*	823*	173*	100
Diabetes mellitus	81*	133*	94	86*	97	91	560*	63*	100
Suicide	94	96	106	127*	93	133	75+	82	100
Nephritis, nephrotic	116*	89*	119*	68*	72*	73*	433*	70+	100
Chronic liver	112	96	88	89	99	98	306+	28+	100
Other diseases	99	100	98	91*	102	124*	282*	96	100
All causes of death	101*	100	99	98*	95*	111*	206*	92*	100

Source: *Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less observed deaths.

TABLE 16 STATE MORTALITY DIFFERENTIALS BASED ON STANDARDISED MORTALITY RATIO BY CAUSE, PERSONS OF ALL AGES, STATES AND TERRITORIES OF AUSTRALIA, 1991 TO 1992

Cause of death	*Higher mortality than Australia* *High——low*	*Same mortality as Australia*	*Lower mortality than Australia* *High——low*
All causes of death	NT Tas. NSW	—	Vic. Qld SA WA ACT
Heart disease	NT Tas. NSW	SA Qld	Vic. WA ACT
Neoplasms	NT Vic.	Tas. NSW ACT	Qld SA WA
Cerebrovascular disease	NSW	Qld Tas. SA NT	Vic. WA ACT
Chronic obs. pulm. disease	NT Tas. NSW	Vic.	Qld SA WA ACT
Motor vehicle accidents	NT Tas. Qld	SA WA ACT	Vic. NSW
Other accidents	NT Tas.	Qld NSW WA SA ACT	Vic.
Pneumonia and influenza	NT Tas. SA ACT	WA Qld	Vic. NSW
Diabetes mellitus	NT Vic.	WA	Qld SA NSW Tas. ACT
Suicide	Tas. SA Qld	NT WA Vic. ACT	NSW
Nephritis, nephrotic	NT Qld NSW	Vic. ACT Tas.	WA SA
Chronic liver	NT NSW	Vic. SA WA ACT	Qld Tas.
Other diseases	NT Tas. NSW	Vic. WA ACT	Qld SA

Source: Table 15.

The Northern Territory, Tasmania and New South Wales, in that order, stand out as 'high' mortality areas in Australia. Mortality below the Australian average occurred in Victoria, Queensland, South Australia, Western Australia and the Australian Capital Territory, in that order.

The ranking of the States and Territories vary by cause of death groups. For some causes, the States with high overall mortality, the New South Wales and Tasmania, fall into categories of mortality lower than for Australia.

Despite high overall and cause–specific mortality (for many causes) in the Northern Territory, the contribution of the first three leading causes of death – heart disease, malignant neoplasms and cerebrovascular disease – to overall mortality in the Territory in 1991 was lowest (49% for males and 46% for females) in comparison with the other States and the Australian Capital Territory where this proportion ranged between 63 and 66 per cent for males and 65 and 70 per cent for females.

Overall comparison with Australian mortality

Spatial variation in mortality is examined for the 190 statistical subdivisions constituting total Australia excluding the off–shore areas. A further grouping of the statistical subdivisions into 58 statistical divisions is also made to depict mortality by cause on an Australia map. (Table 20 and Figure 12).

The mortality index used is the standardised mortality ratio (SMR) which is appropriate in situations where the distribution of deaths by age, sex, and cause of death has small cell sizes (as generally the case for the spatial areas considered in this study) and the age–sex–cause–specific death rates cannot be meaningfully calculated. The details of the calculations are given in Appendix 2.

The SMRs have been calculated for each area and cause of death group separately for all persons, and males and females of all ages. These ratios are given in Appendix 3 in the State/Territory supplement of the tables.

Table 17 gives the SMRs, in decending order of magnitude, for all causes of death combined for each of the 190 areas for persons, males and females of all ages, and for persons aged 0–4, 5–59 and 60 and over. Also tabulated are the values of the Index of Relative Socio–economic Disadvantage (ABS: Catalogue No.2912.0), per cent of Aboriginal population at the 1991 Census, and the number of observed deaths during the two years 1991–92. The SMR for each area is compared with a value of 100 for Australia. The significantly different values at the 5 per cent level of are marked by a '*'.

TABLE 17 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIOS, STATISTICAL SUBDIVISIONS, STATES AND TERRITORIES OF AUSTRALIA, 1991–1992

S.S.D. No.	Name	S.E. Index	Per cent Aborig.	Observ. deaths	Standardised mortality ratios (all causes) All ages Persons	Males	Females	Persons 0–4	Persons 5–59	Persons 60+
New South Wales										
13515	Upper Darling	918	19.95	167	149*	158*	135*	107+	188*	138*
13510	Macquarie-Barwon	922	13.86	329	136*	145*	124*	140+	157*	131*
10505	Inner Sydney	932	1.20	4622	128*	141*	114*	168*	170*	119*
13020	North Central Plain	971	10.26	448	128*	134*	121*	145	139*	124*
14505	Queanbeyan	1003	2.10	306	125*	124*	126*	118+	118	127*
14520	Snowy	1068	0.42	286	123*	109	141*	157+	75	134*
16010	FarWest	942	4.90	538	122*	126*	117*	215*	147*	116*
14010	Central Tablelands (ex Bth/Or)	1000	1.18	552	120*	129*	108	120	131*	117*
14510	Southern Tablelands (ex Q'bn)	1029	0.78	1140	115*	116*	115*	86	103	118*
14015	Lachlan	980	2.90	1260	114*	116*	112*	100	128*	112*
15520	Murray-Darling	973	5.68	139	112	128*	88	69+	147	105
10525	Fairfield-Liverpool	934	0.87	2822	111*	108*	115*	112	108	112*
15010	Central Murrumbidgee	999	1.99	1649	111*	111*	112*	124	103	113*
10540	Central Western Sydney	983	0.61	4195	110*	113*	106*	139*	108*	109*
13010	Northern Slopes	996	3.46	1338	109*	109*	108	93	105	110*
13015	Northern Tablelands	992	3.54	1093	109*	110*	108	114	116	108*
14005	Bathurst-Orange	1009	1.85	1019	109*	107	111*	121	106	109*
10535	Inner Western Sydney	1021	0.31	3228	108*	112*	103	116	98	109*
13505	Central Macquarie	976	5.25	1282	108*	113*	103	79	121*	107*
10550	Blacktown-Baulkham Hills	1028	1.14	3004	107*	101	113*	119	98	109*
11005	Newcastle	987	1.09	7197	104*	105*	103	94	104	104*
11010	Hunter SD Bal	993	1.36	1390	104	104	104	116	105	104
11510	Illawarra SD Bal	984	1.75	1803	104	102	106	94	110	103
15015	Lower Murrumbidgee	993	2.74	565	102	100	104	85	121	98
15510	Upper Murray (excl.Albury)	1022	0.69	350	102	105	97	93+	125	98
10570	Gosford-Wyong	984	0.79	4562	101	103	99	82	107	101
11505	Wollongong	986	0.90	3288	101	104	99	82	106	101

TABLE 17 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIOS, STATISTICAL SUBDIVISIONS, STATES AND TERRITORIES OF AUSTRALIA, 1991–1992

S.S.D. No.	Name	S.E. Index	Per cent Aborig.	Observ. deaths	Standardised mortality ratios (all causes) All ages Persons	Males	Females	Persons 0–4	Persons 5–59	Persons 60+
10530	Outer South Western Sydney	993	1.36	1486	100	100	100	75*	84*	108*
10545	Outer Western Sydney	1040	0.99	2690	100	98	104	97	98	101
12010	Richmond-Tweed SD Bal	961	1.87	2400	100	100	102	87	98	101
12505	Clarence	950	2.23	2014	100	98	102	105	103	99
12510	Hastings	952	2.26	2177	100	103	96	86	121*	97
15515	Central Murray	1011	1.50	467	100	98	101	116+	108	98
15505	Albury	1002	1.17	657	99	104	93	97	122*	95
10520	Canterbury-Bankstown	966	0.46	4264	98	97	99	120	94	98
10510	Eastern Suburbs	1021	0.62	3917	97*	99	95*	99	101	96*
14515	Lower South Coast	978	2.36	904	95	93	97	96	118	92*
10515	StGeorge-Sutherland	1058	0.30	5843	92*	90*	94*	94	77*	94*
10565	Manly-Warringah	1085	0.21	3418	91*	89*	93*	109	75*	94*
10555	Lower Northern Sydney	1078	0.15	4374	90*	85*	95*	121	74*	92*
12005	Tweed Heads	938	2.42	588	89*	95	81*	106+	104	87*
10560	Hornsby-Ku-ring-gai	1143	0.15	3371	83*	77*	88*	81	68*	85*
Victoria										
22015	West Central Highlands	996	0.61	497	121*	116*	127*	88+	125	121*
25005	Gippsland Lakes	979	2.01	552	115*	120*	109	73+	107	117*
20505	Central Melbourne	936	0.33	4157	114*	124*	105	109	139*	110*
23520	South Loddon-Campaspe	1072	0.31	442	114*	113	115	142	116	112*
24505	Wodonga	1021	0.49	565	113*	110	116*	80+	117	113*
21015	West Barwon	1028	0.44	578	112*	116*	106	50+	107	114*
22005	Ballarat	994	0.63	1489	112*	112*	113*	82	113	112*
25505	Latrobe Valley	993	0.74	978	112*	116*	108	98	114	113*
21505	Hopkins	1018	0.62	1060	110*	115*	104	74	110	111*
20510	Western Inner Melbourne	963	0.30	2582	109*	109*	108*	89	127*	106*
21510	Glenelg	1017	0.61	790	109*	102	118*	69+	118	109*
25015	Macalister-Avon	1013	0.54	413	108	112	104	99+	92	111
25515	Strzlecki	1045	0.29	268	108	101	120	109+	133	103
22010	East Central Highlands	1018	0.50	445	107	121*	89	83+	125	104
24510	North Ovens-Murray	1015	0.44	553	107	113*	99	100+	116	105
22505	South Wimmera	1022	0.57	647	106	101	111	66+	97	108
25510	West Gippsland	1030	0.79	436	105	95	117*	113+	92	107
20520	Western Fringe Melbourne	1046	0.35	725	104	103	107	115	82*	115*
20530	Northern Middle Melbourne	973	0.58	3460	103	105	100	101	108	102
20535	Northern Fringe Melbourne	1005	0.36	1453	103	103	104	110	96	106
20585	Mornington Peninsula Inner	1011	0.25	1925	103	103	102	83	106	102
22510	North Wimmera	1014	0.39	419	102	108	96	69+	93	104
23510	Northern Loddon-Campaspe	1003	1.17	576	102	104	99	88+	86	104
25520	South Gippsland	1002	0.28	821	102	105	100	36+	103	103
20575	South Eastern Inner Melbourne	980	0.32	1708	101	99	102	105	89*	104
24015	South Goulburn	1011	0.46	638	101	100	103	120	96	102
20525	Northern Inner Melbourne	953	0.26	1634	100	99	100	123	97	100
21005	Geelong	997	0.43	2344	100	98	102	63*	96	101
23505	Bendigo	990	0.53	1214	100	98	103	107	110	99
24005	Shepparton-Mooroopna	969	2.81	569	100	97	104	97	106	99
24020	South West Goulburn	1023	0.49	321	100	101	99	96+	93	102
20515	Western Outer Melbourne	995	0.25	2313	98	98	98	107	85*	102
20580	South Eastern Outer Melbourne	1049	0.39	1381	98	94	104	85	89*	102
20590	Mornington Peninsula Outer	1010	0.30	1974	98	94*	102	69	94	99

TABLE 17 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIOS, STATISTICAL SUBDIVISIONS, STATES AND TERRITORIES OF AUSTRALIA, 1991–1992

S.S.D. No.	Name	S.E. Index	Per cent Aborig.	Observ. deaths	Standardised mortality ratios (all causes) All ages Persons	Males	Females	Persons 0–4	Persons 5–59	Persons 60+
23515	Central Loddon-Campaspe	989	0.47	753	98	101	95	53+	111	97
23010	WestMallee	1022	0.50	214	97	109	82	113+	79	100
23005	Mildura	971	1.73	557	96	102	88*	89+	101	95
23015	East Mallee	992	2.70	482	96	100	91	125	107	94
25010	Mitchell-Snowy	1012	2.52	186	95	94	96	45+	82	99
24010	NorthGoulburn	1018	0.55	665	93*	91	95	126	81*	94
20555	Eastern Outer Melbourne	1071	0.20	3606	92*	87*	97	76*	85*	94*
20565	Southern Inner Melbourne	1070	0.12	3753	92*	87*	97	59*	87*	93*
20560	Eastern Fringe Melbourne	1064	0.36	1343	91*	90*	93	75*	81*	95
20570	Southern Outer Melbourne	1020	0.18	2964	91*	89*	93*	59*	88*	92*
20540	Northern Outer Melbourne	1069	0.25	1506	90*	86*	96	74*	81*	95
20545	Eastern Inner Melbourne	1101	0.12	2974	90*	89*	92*	61*	90*	91*
21010	East Barwon	1054	0.32	635	86*	87*	84*	60+	96	85*
20550	Eastern Middle Melbourne	1094	0.12	3151	84*	81*	87*	81	68*	88*
24515	South Ovens-Murray	1035	0.36	268	84*	82*	87	54+	112	80*
Queensland										
35505	North West	965	19.47	411	169*	172*	163*	223*	187*	153*
32505	South West	977	7.09	397	122*	126*	116	83+	131*	121*
33010	Gladstone	996	2.37	330	118*	124*	110	119	123	116*
35010	Far North SD Bal	955	16.85	1320	118*	115*	122*	182*	160*	105
33505	Central West	994	4.40	190	115	127*	97	91+	139	110
35005	Cairns	987	5.18	1012	114*	112*	115*	131	116*	112*
34005	Mackay	980	3.23	756	113*	119*	106	123	97	116*
34510	Thuringowa City Part A	1017	3.39	211	109	110	109	67+	94	120*
30525	Ipswich-Moreton Shire Part A	985	1.89	1277	108*	113*	104	124	107	108*
34515	Northern SD Bal	999	3.42	956	108*	112*	102	106	117	106
30545	Redcliffe City	938	1.02	1079	106*	105	108	187*	101	106
33005	Rockhampton	985	3.19	1016	105	108	101	153	111	103
34505	Townsville City	984	5.90	1038	105	99	112*	110	124*	100
30510	Albert Shire Part A	948	1.18	336	102	106	97	115	115	98
30520	Caboolture Shire Part A	976	0.91	840	102	103	100	112	102	102
30530	Logan City	995	1.35	879	101	96	108	101	89*	107
31505	Bundaberg	946	1.76	898	101	105	97	105	95	102
32005	Darling Downs	996	1.48	2923	100	98	103	105	96	101
30505	Brisbane City	1018	0.95	12249	98	99	97*	121*	96	98
33015	Fitzroy SD Bal	991	3.58	648	96	101	87*	134	90	96
30550	Redland Shire	1032	0.86	860	94	97	89*	68	96	94
31005	Gold Coast City	953	0.50	2563	94*	93*	95	113	116*	91*
31510	Wide Bay-Burnett SD Bal	949	2.09	2155	93*	93*	95	94	97	93*
31020	Moreton SD Bal	993	0.75	1297	89*	88*	91*	99	89	89*
31010	Albert Shire Part B	1019	0.45	1207	85*	82*	89*	93	85*	85*
31015	Sunshine Coast	959	0.56	1810	83*	80*	87*	82	93	82*
30540	Pine Rivers Shire	1070	0.47	498	82*	82*	83*	63*	81*	84*
34010	Mackay SD Bal	1006	1.53	352	81*	83*	77*	38+	83*	82*
30515	Beaudesert Shire Part A	1051	0.61	75	78*	81	72	63+	67*	87
South Australia										
43525	Far North	954	23.41	103	169*	157*	209*	213+	222*	120
43010	West Coast	928	14.61	95	141*	150*	127	104+	241*	115
41510	Lower North	991	0.57	391	113*	108	120*	89+	124	112*
43520	Flinders Ranges	942	8.20	297	112	111	112	132+	121	109

TABLE 17 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIOS, STATISTICAL SUBDIVISIONS, STATES AND TERRITORIES OF AUSTRALIA, 1991–1992

S.S.D. No.	Name	S.E. Index	Per cent Aborig.	Observ. deaths	Standardised mortality ratios (all causes) All ages Persons	Males	Females	Persons 0–4	Persons 5–59	Persons 60+
42510	Lower South East	984	0.79	622	110*	108	114*	51+	108	112*
43515	Pirie	951	1.05	502	110*	117*	101	124+	108	110
43505	Whyalla	901	1.61	299	108	111	103	62+	104	111
41010	Kangaroo Island	970	0.48	62	106	119	83	0+	64+	116
42005	Riverland	966	1.54	523	103	99	107	134	119	99
40505	Northern	969	0.97	3350	100	103	97	85	96	102
41505	Yorke	948	1.30	542	100	99	103	90+	115	99
42010	Murray Mallee	947	2.51	485	100	97	104	70+	115	98
40515	Eastern	1046	0.40	4523	99	98	99	65*	86*	101
41005	Barossa	1037	0.45	527	98	96	101	82+	99	98
43005	Lincoln	954	2.35	387	98	93	104	67+	113	96
40510	Western	942	0.99	4005	97*	97	97	93	103	96*
40520	Southern	1030	0.40	4369	90*	90*	91*	44*	82*	92*
42505	Upper South East	1011	0.87	262	90	89	91	37+	99	90
41020	Fleurieu	992	0.51	476	88*	89*	87*	84+	87	89*
41015	Onkaparinga	1040	0.44	248	84*	85*	83*	78+	77*	86*
Western Australia										
54505	Ord	918	38.48	126	299*	268*	365*	404*	392*	207*
54510	Fitzroy	883	38.61	164	175*	169*	187*	239*	215*	146*
53510	Carnegie	937	30.34	70	172*	166*	184*	419+	203*	131
53005	Lefroy	994	6.52	376	134*	134*	133*	168	166*	118*
54010	Fortescue	1014	6.49	109	133*	126	150*	112	124	165*
54005	DeGrey	974	15.28	122	118	117	121	102+	110	130
51510	King	976	1.95	547	106	108	102	108	110	105
53505	Gascoyne	956	9.33	89	102	97	111	118+	131	90
52510	Avon	973	4.27	351	100	105	94	82+	107	99
53515	Greenough River	960	5.68	430	100	99	103	81	94	103
50525	South East Metropolitan	1001	1.29	2972	98	92*	105	92	88*	101
51010	Preston	991	1.89	773	96	97	96	83	85*	99
50505	Central Metropolitan	1017	0.65	3099	95*	97	93*	115	106	94*
50510	East Metropolitan	1019	1.42	2022	95*	92*	98	86	84*	98
51020	Blackwood	996	1.08	197	95	97	92	185	110	89
52005	Hotham	1003	4.57	199	92	90	94	76+	90	92
51005	Dale	942	0.98	627	91*	92	90	113	83	92*
51505	Pallinup	990	6.06	132	91	92	90	131+	50*	101
51015	Vasse	986	0.89	338	90*	83*	98	86+	118	86*
50520	South West Metropolitan	998	0.95	2742	88*	90*	86*	83	94	87*
50515	North Metropolitan	1013	0.92	3560	85*	85*	86*	84	77*	87*
52505	Moore	985	3.35	100	84	87	78	83+	86	84
53010	Johnston	964	3.86	121	82*	90	70*	104+	68*	85
52515	Campion	991	2.92	114	78*	76*	83	44+	67*	83*
52010	Lakes	1009	1.26	41	77	67*	95	101+	82	73
Tasmania										
62015	Western	975	3.03	84	133*	122	153*	226+	108	138*
61005	Southern	979	3.46	583	123*	117*	133*	90+	138*	120*
61515	North Eastern	951	1.82	308	119*	106	138*	66+	132	118*
62005	Burnie-Devonport	946	2.87	1377	114*	115*	113*	104	101	116*
61505	Greater Launceston	981	1.38	1661	112*	112*	111*	71	109	113*
60505	Greater Hobart	990	1.73	2914	106*	105	107*	120	102	106*
61510	Central North	996	1.29	246	99	91	110	98+	81	103

TABLE 17 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIOS, STATISTICAL SUBDIVISIONS, STATES AND TERRITORIES OF AUSTRALIA, 1991–1992

S.S.D. No.	Name	S.E. Index	Per cent Aborig.	Observ. deaths	Standardised mortality ratios (all causes) All ages Persons	All ages Males	All ages Females	Persons 0–4	Persons 5–59	Persons 60+
62010	North Western Rural	999	2.72	252	96	95	98	14+	93	100
Northern Territory										
71025	East Arnhem	928	52.48	142	370*	288*	543*	228	368*	443*
71010	Bathurst-Melville	726	90.20	25	346*	362*	321+	627+	325*	312+
71015	Alligator	864	54.02	78	334*	218*	568*	268+	437*	241*
71030	Lower Top End NT	893	36.09	213	302*	260*	401*	209	384*	249*
71020	Daly	772	62.07	40	266*	296*	216	345+	305*	208
71035	Barkly	863	42.06	70	220*	219*	221*	166+	343*	140
71040	Central NT	921	29.79	368	195*	198*	190*	305*	245*	151*
70510	Palmerston-East Arm	841	14.73	76	179*	188*	166*	72+	187*	193*
71005	Darwin Rural Areas	997	10.21	88	145*	149*	135	165+	170*	119
70505	Darwin City	991	7.33	470	131*	127*	139*	242*	134*	117*
Australian Capital Territory										
80530	Outer Canberra	1025	1.00	19	114	72+	197	0+	161+	95+
80505	Central Canberra	1028	0.70	964	106	104	108	155	118*	103
80520	Weston Creek	1110	0.49	205	87*	87	88	37+	61*	101
80510	Belconnen	1093	0.48	478	83*	82*	85*	120	73*	86*
80515	Woden Valley	1098	0.60	279	75*	71*	80*	74+	79*	73*
80525	Tuggeranong	1106	0.66	211	68*	65*	71*	63*	55*	82*
81005	Aust Capital Territory-Bal	957	15.74	4	57+	50+	67+	0+	89+	46+

(a) Index of relative socio-economic disadvantage based on the 1991 Census data (ABS Catalogue no.2912.0), (b)1991 Census counts, (c) Total for two years 1991-92. *Significant at 5 per cent level of significance. +Standardised mortality ratio is based on 10 or less number of observed deaths.

Out of the 190 areas, mortality in 66 areas was above the national average, in 40 areas below the national average, and in 83 areas at par with the national average. For one area the SMR was based on 10 or fewer observed deaths.

In terms of the population size, 26.5 per cent of the Australian population lived in a higher mortality area, and 32 per cent in a lower mortality area, than the average national mortality according to the mortality levels prevailing in the statistical subdivisions in 1991–92.

The percentages of the population of each State/Territory living in high mortality areas were as follows: Northern Territory – 100%, Tasmania – 91%, New South Wales – 42%, Queensland – 19%, Victoria – 17%, South Australia – 7.5%, Western Australia – 5.5% and the Australian Capital Territory – 0%.

The percentage of the areas total population that is Aboriginal correlated positively with the SMRs. The value of the correlation coefficient ranged between 0.8 and 0.9 according to the SMR value (Table 17) used in the calculation.

The index of relative socio–economic disadvantage is a composite index based on the 1991 census data on variables that related to the economic resources of households, education, and occupation. The index focussed on attributes such as low income, low educational attainment and high unemployment. A high score on the index suggests that the area has characteristics such as fewer families of low income and fewer people with little training and in unskilled occupations (ABS, 1993, 1:2). The correlation coefficient between the SMRs and the index score was negative and varied between –0.5 and –0.7 according to the selected SMRs.

Table 17 also reveals that the regional mortality variation is almost identical among males and females, but increases with the age of the decedents. The least variation is found at ages 0–4, followed by the age group 5–59 and 60 and over.

Table 17A ranks the areas according to the value of the SMR and whether it was significantly above, at the same level as, or below the Australian level. A cursory glance at Table 17A reveals spatial variation in mortality. At the top end, high mortality occurred in areas of the Northern Territory, and at the bottom end, in areas of the Australian Capital Territory; the spatial pattern resembled the overall mortality level in the two

Territories. The ranking of the SMRs for areas in the States broadly conform to the State–differential in mortality, noted previously.

Further examination of Table 17A and Table 18 reveals that the inner core area of the capital city of the State/Territory as well as many statistical subdivisions which incorporated large cities generally fell into the higher mortality regime. The SMRs for Inner Sydney, Fairfield–Liverpool, Inner Western Sydney, Central Western Sydney, Blacktown–Baulkham Hills, Newcastle, Bathurst–Orange, and Queanbeyan in New South Wales; Central Melbourne, Western Inner Melbourne, Ballarat, and Wodonga in Victoria; Ipswich–Moreton Shire Part A, Redcliffe city, Gladstone, Mackay, and Cairns in Queensland; Greater Hobart, Greater Launceston in Tasmania; and Darwin city in the Northern Territory were all significantly above the national average (100). The SMRs for Central Canberra, Townsville city, Wollongong, Logan city, Geelong, Brisbane city, and many subdivisions of capital city divisions were not significantly different from the national average.

TABLE 17A RANKING OF AREAS ACCORDING TO THE VALUE OF THE STANDARDISED MORTALITY RATIO FOR ALL CAUSES COMBINED, 1991–1992

S.S.D.	*Name*	*SMR*	*Population in 1991*
71025	East Arnhem	370*	12063
71010	Bathurst-Melville	346*	1857
71015	Alligator	334*	5917
71030	Lower Top End NT	302*	14771
54505	Ord	299*	8469
71020	Daly	266*	3446
71035	Barkly	220*	5991
71040	Central NT	195*	33442
70510	Palmerston-East Arm	179*	8557
54510	Fitzroy	175*	14906
53510	Carnegie	172*	6142
35505	North West	169*	38221
43525	Far North	169*	10691
13515	Upper Darling	149*	11920
71005	Darwin Rural Areas	145*	11148
43010	West Coast	141*	6348
13510	Macquarie-Barwon	136*	20292
53005	Lefroy	134*	37177
54010	Fortescue	133*	23923
62015	Western	133*	8640
70505	Darwin City	131*	68188
10505	Inner Sydney	128*	254674
13020	North Central Plain	128*	31700
14505	Queanbeyan	125*	25199
14520	Snowy	123*	18342
61005	Southern	123*	36715
16010	Far West	122*	28277
32505	South West	122*	29182
22015	West Central Highlands	121*	26120
14010	Central Tablelands (excl. Bth/Or)	120*	35017
61515	North Eastern	119*	16061
33010	Gladstone	118*	33447
35010	Far North SD Bal	118*	95172
14510	Southern Tablelands (excl. Q'bn)	115*	71515
25005	Gippsland Lakes	115*	22537
14015	Lachlan	114*	66274
20505	Central Melbourne	114*	222599
23520	South Loddon-Campaspe	114*	33268
35005	Cairns	114*	86227

TABLE 17A RANKING OF AREAS ACCORDING TO THE VALUE OF THE STANDARDISED MORTALITY RATIO FOR ALL CAUSES COMBINED, 1991–1992

S.S.D.	*Name*	*SMR*	*Population in 1991*
62005	Burnie-Devonport	114*	78671
24505	Wodonga	113*	41917
34005	Mackay	113*	53225
41510	Lower North	113*	19559
21015	West Barwon	112*	34861
22005	Ballarat	112*	81189
25505	Latrobe Valley	112*	74749
61505	Greater Launceston	112*	96103
10525	Fairfield-Liverpool	111*	282686
15010	Central Murrumbidgee	111*	105091
10540	Central Western Sydney	110*	269571
21505	Hopkins	110*	59152
42510	Lower South East	110*	43481
43515	Pirie	110*	28014
13010	Northern Slopes	109*	85134
13015	Northern Tablelands	109*	68520
14005	Bathurst-Orange	109*	68832
20510	Western Inner Melbourne	109*	127008
21510	Glenelg	109*	43410
10535	Inner Western Sydney	108*	153642
13505	Central Macquarie	108*	83345
30525	Ipswich-Moreton Shire Part A	108*	110820
34515	Northern SD Bal	108*	66421
10550	Blacktown-Baulkham Hills	107*	339244
30545	Redcliffe City	106*	48631
60505	Greater Hobart	106*	186968
11005	Newcastle	104*	444932
54005	De Grey	118	22627
33505	Central West	115	13326
80530	Outer Canberra	114	2306
15520	Murray-Darling	112	10199
43520	Flinders Ranges	112	22998
34510	Thuringowa City Part A	109	30026
25015	Macalister-Avon	108	29280
25515	Strzlecki	108	20961
43505	Whyalla	108	26891
22010	East Central Highlands	107	31783
24510	North Ovens-Murray	107	28637
22505	South Wimmera	106	35004
41010	Kangaroo Island	106	4134
51510	King	106	35495
80505	Central Canberra	106	60883
25510	West Gippsland	105	30158
33005	Rockhampton	105	63598
34505	Townsville City	105	86134
11010	Hunter SD Bal	104	87033
11510	Illawarra SD Bal	104	104639
20520	Western Fringe Melbourne	104	110477
20530	Northern Middle Melbourne	103	191562
20535	Northern Fringe Melbourne	103	148323
20585	Mornington Peninsula Inner	103	117048

TABLE 17A RANKING OF AREAS ACCORDING TO THE VALUE OF THE STANDARDISED MORTALITY RATIO FOR ALL CAUSES COMBINED, 1991–1992

S.S.D.	*Name*	*SMR*	*Population in 1991*
42005	Riverland	103	35277
15015	Lower Murrumbidgee	102	42209
15510	Upper Murray (excl. Albury)	102	20830
22510	North Wimmera	102	18271
23510	Northern Loddon-Campaspe	102	31483
25520	South Gippsland	102	43302
30510	Albert Shire Part A	102	33678
30520	Caboolture Shire Part A	102	67088
53505	Gascoyne	102	10289
10570	Gosford-Wyong	101	239812
11505	Wollongong	101	244935
20575	South Eastern Inner Melbourne	101	152466
24015	South Goulburn	101	35583
30530	Logan City	101	144762
31505	Bundaberg	101	49513
10530	Outer South Western Sydney	100	197113
10545	Outer Western Sydney	100	280177
12010	Richmond-Tweed SD Bal	100	148718
12505	Clarence	100	124112
12510	Hastings	100	116798
15515	Central Murray	100	30717
20525	Northern Inner Melbourne	100	94237
21005	Geelong	100	151596
23505	Bendigo	100	70075
24005	Shepparton-Mooroopna	100	40129
24020	South West Goulburn	100	30407
32005	Darling Downs	100	194136
40505	Northern	100	321287
41505	Yorke	100	24322
42010	Murray Mallee	100	32166
52510	Avon	100	26932
53515	Greenough River	100	42650
15505	Albury	99	47136
40515	Eastern	99	216562
61510	Central North	99	18884
10520	Canterbury-Bankstown	98	295907
20515	Western Outer Melbourne	98	244326
20580	South Eastern Outer Melbourne	98	174089
20590	Mornington Peninsula Outer	98	101833
23515	Central Loddon-Campaspe	98	42308
30505	Brisbane City	98	763038
41005	Barossa	98	38425
43005	Lincoln	98	26817
50525	South East Metropolitan	98	262032
23010	West Mallee	97	12543
23005	Mildura	96	39187
23015	East Mallee	96	30276
33015	Fitzroy SD Bal	96	71330
51010	Preston	96	65262
62010	North Western Rural	96	24614
14515	Lower South Coast	95	53353

TABLE 17A RANKING OF AREAS ACCORDING TO THE VALUE OF THE STANDARDISED MORTALITY RATIO FOR ALL CAUSES COMBINED, 1991–1992

S.S.D.	*Name*	*SMR*	*Population in 1991*
25010	Mitchell-Snowy	95	15102
51020	Blackwood	95	17287
30550	Redland Shire	94	82818
52005	Hotham	92	16925
51505	Pallinup	91	13356
42505	Upper South East	90	19374
52505	Moore	84	11487
52010	Lakes	77	5611
10510	Eastern Suburbs	97*	230322
40510	Western	97*	213035
50505	Central Metropolitan	95*	142293
50510	East Metropolitan	95*	194096
31005	Gold Coast City	94*	137262
24010	North Goulburn	93*	47880
31510	Wide Bay-Burnett SD Bal	93*	146050
10515	St George-Sutherland	92*	398957
20555	Eastern Outer Melbourne	92*	316238
20565	Southern Inner Melbourne	92*	182046
10565	Manly-Warringah	91*	219209
20560	Eastern Fringe Melbourne	91*	148361
20570	Southern Outer Melbourne	91*	184951
51005	Dale	91*	41030
10555	Lower Northern Sydney	90*	270269
20540	Northern Outer Melbourne	90*	207787
20545	Eastern Inner Melbourne	90*	150351
40520	Southern	90*	306277
51015	Vasse	90*	20810
12005	Tweed Heads	89*	30807
31020	Moreton SD Bal	89	121545
41020	Fleurieu	88*	24495
50520	South West Metropolitan	88	234993
80520	Weston Creek	87*	27154
21010	East Barwon	86*	42017
31010	Albert Shire Part B	85	111506
50515	North Metropolitan	85	355348
20550	Eastern Middle Melbourne	84	283004
24515	South Ovens-Murray	84*	20482
41015	Onkaparinga	84*	26146
10560	Hornsby-Ku-ring-gai	83	241272
31015	Sunshine Coast	83	119309
80510	Belconnen	83*	89519
30540	Pine Rivers Shire	82*	90453
53010	Johnston	82*	14242
34010	Mackay SD Bal	81*	57076
30515	Beaudesert Shire Part A	78*	16698
52515	Campion	78*	12685
80515	Woden Valley	75*	33921
80525	Tuggeranong	68*	74412
81005	Aust Capital Territory - Bal	57+	1125

*indicates that the SMR was significantly different from the Australian level at 5% level of significance. + indicates that the SMR was based on 10 or fewer observed deaths in the area

Note SMRs are for persons of all ages. .

The low mortality statistical subdivisions were also found in the capital city statistical divisions except Hobart and Darwin. These include: Lower Northern Sydney, Hornsby-Kuring-gai, Manly-Warringah, Eastern Suburbs, St. George-Sutherland in Sydney statistical division; Northern Outer, Eastern Inner, Eastern Middle, Eastern Outer, Eastern Fringe, Southern Inner, Southern Outer in Melbourne statistical division; Beaudesert Shire Part A, and Pine Rivers Shire in Brisbane statistical division; Western and Southern in Adelaide statistical division; Central, East, North and South West Metropolitan in Perth Statistical division; and Belconnen, Woden Valley, Weston Creek, and Tuggeranong in Canberra statistical division. All these statistical subdivisions had a higher score value on the socio-economic index scale (above 1000).

The mortality in the coastal areas (excluding those which incorporated the large cities) of Queensland, New South Wales and Victoria was at par with, or slightly lower than, the national average.

The SMRs significantly above the national average by cause of death for areas where 300 or more total deaths were registered during 1991–92 are given in Table 18. It is clear that the high overall mortality areas are not necessarily those which were high on mortality by cause. Also, some areas that had low overall mortality were high on mortality by specific cause (eg. Wollongong in New South Wales for deaths due to heart disease and cerebrovascular disease).

TABLE 18 STANDARDISED MORTALITY RATIOS SIGNIFICANTLY ABOVE THE NATIONAL AVERAGE BY CAUSE OF DEATH IN STATISTICAL SUB-DIVISIONS WITH 300 OR MORE TOTAL DEATHS DURING 1991–92, STATES AND TERRITORIES OF AUSTRALIA

SSD No.	Name	Standardised mortality ratio: All causes	Standardised mortality ratio: Specific cause
	All causes		
New South Wales			
13510	Macquarie-Barwon	136*	
10505	Inner Sydney	128*	
13020	North Central Plain	128*	
14505	Queanbeyan	125*	
16010	Far West	122*	
14010	Central Tablelands (ex Bth/O)	120*	
14510	Southern Tablelands (ex Q'bn)	115*	
14015	Lachlan	114*	
10525	Fairfield-Liverpool	111*	
15010	Central Murrumbidgee	111*	
10540	Central Western Sydney	110*	
13010	Northern Slopes	109*	
13015	Northern Tablelands	109*	
14005	Bathurst-Orange	109*	
10535	Inner Western Sydney	108*	
13505	Central Macquarie	108*	
10550	Blacktown-Baulkham Hills	107*	
11005	Newcastle	104*	
Victoria			
22015	West Central Highlands	121*	
25005	Gippsland Lakes	115*	
20505	Central Melbourne	114*	
23520	South Loddon-Campaspe	114*	
24505	Wodonga	113*	
21015	West Barwon	112*	
22005	Ballarat	112*	
25505	Latrobe Valley	112*	
21505	Hopkins	110*	
20510	Western Inner Melbourne	109*	
21510	Glenelg	109*	
Queensland			
35505	North West	169*	
32505	South West	122*	
33010	Gladstone	118*	
35010	Far North SD Bal	118*	
35005	Cairns	114*	
34005	Mackay	113*	
30525	Ipswich-Moreton Shire Part A	108*	
34515	Northern SD Bal	108*	
30545	Redcliffe City	106*	
South Australia			
41510	Lower North	113*	
42510	Lower South East	110*	
43515	Pirie	110*	
Western Australia			
53005	Lefroy	134*	
Tasmania			
61005	Southern	123*	
61515	North Eastern	119*	
62005	Burnie-Devonport	114*	
61505	Greater Launceston	112*	
60505	Greater Hobart	106*	
Northern Territory			
71040	Central NT	195*	
70505	Darwin City	131*	

TABLE 18 STANDARDISED MORTALITY RATIOS SIGNIFICANTLY ABOVE THE NATIONAL AVERAGE BY CAUSE OF DEATH IN STATISTICAL SUB-DIVISIONS WITH 300 OR MORE TOTAL DEATHS DURING 1991–92, STATES AND TERRITORIES OF AUSTRALIA

SSD No.	Name	Standardised mortality ratio: All causes	Standardised mortality ratio: Specific cause
	Heart disease		
	New South Wales		
13510	Macquarie-Barwon	136*	173*
13020	North Central Plain	128*	150*
14510	Southern Tablelands (ex Q'bn)	115*	140*
14010	Central Tablelands (ex Bth/O)	120*	136*
14505	Queanbeyan	125*	130*
13010	Northern Slopes	109*	124*
16010	Far West	122*	124*
15510	Upper Murray (excl. Albury)	102	122*
14015	Lachlan	114*	120*
10525	Fairfield-Liverpool	111*	118*
13505	Central Macquarie	108*	118*
15010	Central Murrumbidgee	111*	118*
10530	Outer South Western Sydney	100	117*
10540	Central Western Sydney	110*	117*
13015	Northern Tablelands	109*	117*
10505	Inner Sydney	128*	116*
10550	Blacktown-Baulkham Hills	107*	115*
11505	Wollongong	101	109*
10535	Inner Western Sydney	108*	107*
11005	Newcastle	104*	105*
	Victoria		
22015	West Central Highlands	121*	142*
23520	South Loddon-Campaspe	114*	131*
25510	West Gippsland	105	121*
25005	Gippsland Lakes	115*	119*
25505	Latrobe Valley	112*	118*
22005	Ballarat	112*	115*
20510	Western Inner Melbourne	109*	108*
	Queensland		
35505	North West	169*	162*
33010	Gladstone	118*	139*
33005	Rockhampton	105	124*
34005	Mackay	113*	122*
35010	Far North SD Bal	118*	111*
32005	Darling Downs	100	108*
	South Australia		
42510	Lower South East	110*	142*
41510	Lower North	113*	137*
	Western Australia		
53005	Lefroy	134*	130*
51510	King	106	120*
	Tasmania		
61005	Southern	123*	118*
62005	Burnie-Devonport	114*	113*
	Neoplasms		
	New South Wales		
10505	Inner Sydney	128*	121*
10570	Gosford-Wyong	101	108*
	Victoria		
24505	Wodonga	113*	125*
25005	Gippsland Lakes	115*	122*
20505	Central Melbourne	114*	118*
21505	Hopkins	110*	116*
23505	Bendigo	100	116*
25505	Latrobe Valley	112*	116*
20510	Western Inner Melbourne	109*	115*
20530	Northern Middle Melbourne	103	114*
	Tasmania		
61005	Southern	123*	121*
	Cerebrovascular disease		
	New South Wales		
15010	Central Murrumbidgee	111*	128*
10505	Inner Sydney	128*	127*
10535	Inner Western Sydney	108*	126*
10525	Fairfield-Liverpool	111*	123*
13505	Central Macquarie	108*	123*
11510	Illawarra SD Bal	104	121*
11505	Wollongong	101	117*
10550	Blacktown-Baulkham Hills	107*	116*
10540	Central Western Sydney	110*	111*
11005	Newcastle	104*	111*
	Queensland		
34005	Mackay	113*	129*
32005	Darling Downs	100	116*
30505	Brisbane City	98	106*
	Chronic obstructive pulmonary disease		
	New South Wales		
14010	Central Tablelands (ex Bth)	120*	203*
13020	North Central Plain	128*	201*
13015	Northern Tablelands	109*	170*
14015	Lachlan	114*	146*
14510	Southern Tablelands (ex Q'bn)	115*	144*
10505	Inner Sydney	128*	142*
15010	Central Murrumbidgee	111*	128*
11010	Hunter SD Bal	104	126*
10535	Inner Western Sydney	108*	123*
10525	Fairfield-Liverpool	111*	120*
	Victoria		
25005	Gippsland Lakes	115*	207*
25015	Macalister-Avon	108	158*

TABLE 18 STANDARDISED MORTALITY RATIOS SIGNIFICANTLY ABOVE THE NATIONAL AVERAGE BY CAUSE OF DEATH IN STATISTICAL SUB-DIVISIONS WITH 300 OR MORE TOTAL DEATHS DURING 1991–92, STATES AND TERRITORIES OF AUSTRALIA

SSD No.	Name	Standardised mortality ratio: All causes	Standardised mortality ratio: Specific cause
20505	Central Melbourne	114*	142*
25505	Latrobe Valley	112*	138*
22005	Ballarat	112*	133*
20585	Mornington Peninsula Inner	103	130*
20575	South Eastern Inner Melbourn	101	127*
	Queensland		
35505	North West	169*	243*
30545	Redcliffe City	106*	161*
30525	Ipswich-Moreton Shire Part A	108*	134*
35005	Cairns	114*	134*
	South Australia		
43515	Pirie	110*	152*
	Tasmania		
61005	Southern	123*	162*
60505	Greater Hobart	106*	129*
71040	Central NT	195*	258*
70505	Darwin City	131*	217*
	Motor vehicle traffic accidents		
	New South Wales		
16010	Far West	122*	231*
15515	Central Murray	100	205*
14010	Central Tablelands (ex Bth/O)	120*	202*
14015	Lachlan	114*	173*
12510	Hastings	100	160*
	Victoria		
22510	North Wimmera	102	269*
23015	East Mallee	96	221*
24010	North Goulburn	93*	219*
23520	South Loddon-Campaspe	114*	215*
	Queensland		
30510	Albert Shire Part A	102	231*
31020	Moreton SD Bal	89*	160*
31510	Wide Bay-Burnett SD Bal	93*	143*
	South Australia		
41005	Barossa	98	263*
42005	Riverland	103	199*
	Western Australia		
51510	King	106	229*
	Northern Territory		
71040	Central NT	195*	351*
	Other accidents		
	New South Wales		
13510	Macquarie-Barwon	136*	249*
11010	Hunter SD Bal	104	158*
10505	Inner Sydney	128*	135*
	Victoria		
20505	Central Melbourne	114*	134*
	Queensland		
35505	North West	169*	342*
33015	Fitzroy SD Bal	96	169*
34515	Northern SD Bal	108*	168*
35010	Far North SD Bal	118*	158*
	Tasmania		
61005	Southern	123*	232*
60505	Greater Hobart	106*	138*
	Northern Territory		
71040	Central NT	195*	281*
	Pneumonia and influenza		
	New South Wales		
14505	Queanbeyan	125*	432*
	Queensland		
35505	North West	169*	650*
	South Australia		
40515	Eastern	99	242*
42010	Murray Mallee	100	227*
43515	Pirie	110*	218*
40510	Western	97*	162*
40520	Southern	90*	137*
	Western Australia		
52510	Avon	100	258*
	Tasmania		
61515	North Eastern	119*	306*
61005	Southern	123*	273*
60505	Greater Hobart	106*	239*
61505	Greater Launceston	112*	204*
62005	Burnie-Devonport	114*	176*
	Northern Territory		
71040	Central NT	195*	1151*
	Australian Capital Territory		
80505	Central Canberra	106	227*
	Diabetes mellitus		
	New South Wales		
10525	Fairfield-Liverpool	111*	160*
	Victoria		
20535	Northern Fringe Melbourne	103	272*
20520	Western Fringe Melbourne	104	215*
20580	South Eastern Outer Melbourn	98	208*
20515	Western Outer Melbourne	98	201*
25520	South Gippsland	102	182*
20525	Northern Inner Melbourne	100	179*
20575	South Eastern Inner Melbourn	101	172*
21510	Glenelg	109*	169*
20510	Western Inner Melbourne	109*	159*
20505	Central Melbourne	114*	144*
	Queensland		
35010	Far North SD Bal	118*	210*
34005	Mackay	113*	172*
35005	Cairns	114*	170*

TABLE 18 STANDARDISED MORTALITY RATIOS SIGNIFICANTLY ABOVE THE NATIONAL AVERAGE BY CAUSE OF DEATH IN STATISTICAL SUB-DIVISIONS WITH 300 OR MORE TOTAL DEATHS DURING 1991–92, STATES AND TERRITORIES OF AUSTRALIA

SSD No.	Name	Standardised mortality ratio: All causes	Standardised mortality ratio: Specific cause
	Suicide		
	New South Wales		
10505	Inner Sydney	128*	139*
	Victoria		
22010	East Central Highlands	107	198*
	Queensland		
31005	Gold Coast City	94*	177*
35010	Far North SD Bal	118*	161*
	Tasmania		
61005	Southern	123*	207*
61505	Greater Launceston	112*	180*
	Nephritis, nephrotic syndrome and nephrosis		
	New South Wales		
14510	Southern Tablelands (ex Q'bn)	115*	196*
10525	Fairfield-Liverpool	111*	157*
11005	Newcastle	104*	126*
	Victoria		
24005	Shepparton-Mooroopna	100	233*
	Queensland		
30525	Ipswich-Moreton Shire Part A	108*	242*
30505	Brisbane City	98	128*
	Chronic liver disease and cirrhosis		
	New South Wales		
10505	Inner Sydney	128*	223*
10510	Eastern Suburbs	97*	157*
	Victoria		
23005	Mildura	96	234*
20505	Central Melbourne	114*	231*
20510	Western Inner Melbourne	109*	168*
	Northern Territory		
70505	Darwin City	131*	270*
	Other causes		
	New South Wales		
10505	Inner Sydney	128*	169*
16010	Far West	122*	137*
14005	Bathurst-Orange	109*	125*
11010	Hunter SD Bal	104	116*
10540	Central Western Sydney	110*	114*
10525	Fairfield-Liverpool	111*	112*
10510	Eastern Suburbs	97*	110*
10535	Inner Western Sydney	108*	110*
	Victoria		
24505	Wodonga	113*	132*
20505	Central Melbourne	114*	128*
22005	Ballarat	112*	125*
20510	Western Inner Melbourne	109*	114*
	Queensland		
35505	North West	169*	163*
35010	Far North SD Bal	118*	150*
35005	Cairns	114*	123*
34505	Townsville City	105	122*
	Western Australia		
53005	Lefroy	134*	157*
	Tasmania		
62005	Burnie-Devonport	114*	137*
61505	Greater Launceston	112*	122*
60505	Greater Hobart	106*	112*
	Northern Territory		
71040	Central NT	195*	279*
70505	Darwin City	131*	175*
	Australian Capital Territory		
80505	Central Canberra	106	126*

*Significant at 5 per cent level of significance.

Mortality in the statistical subdivisions in relation to the State and Territory

The spatial variation in mortality within each State and Territory is depicted in Figure 11. A comparison of mortality in each statistical subdivision (SSD) with that for its State/Territory is made on a five point scale showing whether, compared with the State/Territory average, the mortality in the area was much higher (2), higher (1), same (0), lower (–1) or much lower (–2). The scale is based on statistical testing of the difference between the SMR for an area and that for the State/Territory: a value of plus or minus 2 is given for a significantly different SMR at the 1 per cent level, plus or minus 1 for a significantly different SMR at the 5 per cent level, and 0 for a non–significant SMR at 5 per cent level of significance. Point–scale values were calculated for the SMRs by cause of death for each area separately. Table 19 gives these values separately for each State and Territory. In the description below, the parenthesized figures, unless specified otherwise, are the values of the SMR on the point–scale.

Mortality in New South Wales

Three distinct spatial patterns of overall mortality characterised the State. First, in the eastern coastal belt the mortality level was at par with, or lower than, the State average. Second, in the areas in the south–west which boarder Victoria, mortality was at par with the State. Finally, in the rest of the State – that is in the

areas in the north–west, centre and south–east – mortality levels were higher than the State average.

After three SSDs in the north of the State – Upper Darling, Macquarie–Barwon, and North Central Plains – the highest mortality area was Inner Sydney and the lowest was Hornsby-ku-ring-gai. Queanbeyan recorded the next highest level of mortality.

In the coastal belt, Tweed Heads in the north, and Lower South Coast in the far south had low incidences of mortality. Within the Sydney statistical division, north, eastern and southern SSDs had lower mortality, whereas high mortality prevailed in the Inner Sydney, Fairfield–Liverpool, Central–Western Sydney, Inner–Western Sydney and Bankstown–Baulkham Hills SSDs. This corridor of high mortality appears related to the socio–economic conditions of the people living in those areas. The value of the Index of the socio–economic disadvantage was below 1000 in the first three SSDs and below 1030 in the other two SSDs.

TABLE 19 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIO POINT SCALE (d), STATISTICAL SUB-DIVISION, STATES AND TERRITORIES OF AUSTRALIA

					Standardised mortality ratio point scale (d)												
S.D. No.	*Name*	*S.E. Index*	*% Aborig*	*Obser. deaths*	*All disea.*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron. obstru.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron. liver*	*Oth. disea.*
New South Wales																	
10505	Inner Sydney	932	1.20	4622	2	2	2	1	2	-1	1	0	0	2	0	2	2
10525	Fairfield-Liverpool	934	0.87	2822	2	2	0	0	0	0	0	0	2	-1	0	0	0
10540	Central Western Sydney	983	0.61	4195	2	2	0	0	0	0	0	0	0	0	0	0	1
13020	North Central Plain	971	10.26	448	2	2	0	0	1	0	0	*	0	*	*	*	0
13510	Macquarie-Barwon	922	13.86	329	2	2	0	0	0	*	1	*	*	*	*	*	0
13515	Upper Darling	918	19.95	167	2	0	0	1	*	*	*	*	*	*	*	*	1
14010	Central Tablelands (ex Bth/Or)	1000	1.18.	552	2	2	0	0	2	1	*	*	0	*	*	*	0
14015	Lachlan	980	2.90	1260	2	1	0	0	1	1	0	0	0	*	0	0	0
14505	Queanbeyan	1003	2.10	306	2	0	0	0	0	*	*	2	*	*	*	*	0
14510	Southern Tablelands (ex Q'bn)	1029	0.78	1140	2	2	0	0	1	0	0	0	0	0	1	0	0
15010	Central Murrumbidgee	999	1.99	1649	2	1	0	0	0	0	0	0	1	0	0	*	0
16010	Far West	942	4.90	538	2	1	0	0	0	1	0	1	0	0	*	*	1
10535	Inner Western Sydney	1021	0.31	3228	1	0	0	1	1	0	0	0	0	0	0	0	0
10550	Blacktown-Baulkham Hills	1028	1.14	3004	1	1	0	0	0	0	0	0	0	0	0	0	0
13010	Northern Slopes	996	3.46	1338	1	2	0	0	0	0	0	0	0	0	0	*	0
13015	Northern Tablelands	992	3.54	1093	1	1	0	-1	2	0	0	0	0	0	0	0	0
13505	Central Macquarie	976	5.25	1282	1	1	0	0	0	0	0	0	0	0	0	0	0
14005	Bathurst-Orange	1009	1.85	1019	1	0	0	0	0	0	0	1	0	0	0	*	1
14520	Snowy	1068	0.42	286	1	1	0	0	0	*	*	*	*	*	*	*	0
10530	Outer South Western Sydney	993	1.36	1486	0	1	0	0	0	0	0	0	0	-2	0	0	-2
10545	Outer Western Sydney	1040	0.99	2690	0	0	0	0	0	0	0	0	0	0	0	0	0
10570	Gosford-Wyong	984	0.79	4562	0	-1	1	-1	0	0	0	0	0	0	0	0	0
11005	Newcastle	987	1.09	7197	0	0	0	0	0	0	0	0	2	0	0	0	0
11010	Hunter SD Bal	993	1.36	1390	0	0	0	0	0	0	1	0	0	0	0	0	0
11505	Wollongong	986	0.90	3288	0	0	0	0	0	0	0	0	-1	0	0	0	-2
11510	Illawarra SD Bal	984	1.75	1803	0	0	0	0	0	0	0	0	0	0	0	0	0
12010	Richmond-Tweed SD Bal	961	1.87	2400	0	0	0	0	0	0	0	0	0	0	0	0	0
12505	Clarence	950	2.23	2014	0	0	0	0	0	1	0	0	0	0	0	*	0
12510	Hastings	952	2.26	2177	0	-1	0	0	0	1	0	0	0	0	0	0	0
15015	Lower Murrumbidgee	993	2.74	565	0	0	0	0	0	1	0	*	0	0	*	*	-2
15505	Albury	1002	1.17	657	0	0	0	0	0	0	0	*	0	0	*	*	0
15510	Upper Murray (excl. Albury)	1022	0.69	350	0	0	0	0	0	*	*	*	*	0	*	*	-1
15515	Central Murray	1011	1.50	467	0	0	0	0	0	1	0	*	*	*	*	*	0
15520	Murray-Darling	973	5.68	139	0	0	0	0	*	*	*	*	*	*	*	*	0
10520	Canterbury-Bankstown	966	0.46	4264	-1	0	0	0	0	0	-1	0	0	-1	0	0	0
14515	Lower South Coast	978	2.36	904	-1	0	0	-1	0	0	0	0	0	0	0	0	0
10510	Eastern Suburbs	1021	0.62	3917	-2	-2	0	0	-2	-2	0	-1	0	0	0	1	0
10515	St George-Sutherland	1058	0.30	5843	-2	-2	-1	0	0	-1	-2	0	-2	-1	0	-1	-1
10555	Lower Northern Sydney	1078	0.15	4374	-2	-1	-2	0	-2	-1	0	-2	-1	0	0	0	-2
10560	Hornsby-Ku-ring-gai	1143	0.15	3371	-2	-2	-2	0	-2	-1	-2	-1	-2	-1	-2	-2	-2

TABLE 19 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIO POINT SCALE (d), STATISTICAL SUB-DIVISION, STATES AND TERRITORIES OF AUSTRALIA

					Standardised mortality ratio point scale (d)												
S.D. No.	*Name*	*S.E. Index*	*% Aborig*	*Obser. deaths*	*All disea.*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron. obstru.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron. liver*	*Oth. disea.*
10565	Manly-Warringah	1085	0.21	3418	-2	-2	-1	0	-1	-2	0	0	-2	0	-2	0	-1
12005	Tweed Heads	938	2.42	588	-2	-2	0	0	0	*	0	0	*	*	*	*	0
Victoria																	
20505	Central Melbourne	936	0.33	4157	2	1	2	0	2	0	2	0	0	0	0	2	2
20510	Western Inner Melbourne	963	0.30	2582	2	1	1	0	0	0	0	0	0	0	0	1	1
21505	Hopkins	1018	0.62	1060	2	1	0	0	0	0	0	0	0	0	*	*	0
22005	Ballarat	994	0.63	1489	2	2	0	0	1	0	0	0	0	0	0	*	2
22015	West Central Highlands	996	0.61	497	2	2	0	0	0	*	0	*	0	*	*	*	0
25005	Gippsland Lakes	979	2.01	552	2	1	0	0	2	*	*	*	0	*	*	*	0
25505	Latrobe Valley	993	0.74	978	2	2	0	0	1	0	0	*	0	0	0	*	0
20530	Northern Middle Melbourne	973	0.58	3460	1	0	1	0	0	-1	0	0	0	0	0	0	0
21015	West Barwon	1028	0.44	578	1	0	0	0	0	*	0	0	0	0	*	*	0
21510	Glenelg	1017	0.61	790	1	0	0	1	0	0	0	0	0	*	*	*	0
23520	South Loddon-Campaspe	1072	0.31	442	1	2	0	0	0	1	*	*	0	0	*	*	0
24505	Wodonga	1021	0.49	565	1	0	1	0	0	0	0	0	0	*	*	*	1
20515	Western Outer Melbourne	995	0.25	2313	0	0	0	0	-1	0	-2	0	2	-1	0	0	0
20520	Western Fringe Melbourne	1046	0.35	725	0	0	0	0	0	0	0	0	0	0	0	*	0
20525	Northern Inner Melbourne	953	0.26	1634	0	0	0	0	0	0	0	0	1	0	0	0	0
20535	Northern Fringe Melbourne	1005	0.36	1453	0	0	0	0	0	0	0	0	2	0	0	0	0
20575	South East. Inner Melbourne	980	0.32	1708	0	0	0	0	0	0	0	0	0	0	0	0	0
20580	South East. Outer Melbourne	1049	0.39	1381	0	0	0	0	0	0	0	0	1	0	0	0	0
20585	Mornington Peninsula Inner	1011	0.25	1925	0	0	0	0	1	0	0	0	0	0	0	*	0
20590	Mornington Peninsula Outer	1010	0.30	1974	0	0	0	0	0	1	0	0	0	0	0	0	0
21005	Geelong	997	0.43	2344	0	0	0	0	0	1	0	0	-2	0	-1	0	0
22010	East Central Highlands	1018	0.50	445	0	0	0	0	0	0	0	*	*	1	*	*	0
22505	South Wimmera	1022	0.57	647	0	0	0	0	0	*	0	*	0	*	*	*	0
22510	North Wimmera	1014	0.39	419	0	0	0	0	0	1	*	*	*	*	*	*	0
23005	Mildura	971	1.73	557	0	0	0	0	0	0	0	*	0	*	*	0	0
23010	West Mallee	1022	0.50	214	0	0	0	0	0	*	*	*	*	*	*	*	0
23015	East Mallee	992	2.70	482	0	-1	0	0	0	1	0	*	0	*	*	*	0
23505	Bendigo	990	0.53	1214	0	0	0	0	0	0	0	*	0	0	0	*	0
23510	Northern Loddon-Campaspe	1003	1.17	576	0	0	0	0	0	*	*	*	0	*	*	*	0
23515	Central Loddon-Campaspe	989	0.47	753	0	0	0	0	0	*	0	0	0	0	*	*	0
24005	Shepparton-Mooroopna	969	2.81	569	0	0	0	0	0	0	*	*	0	0	1	*	0
24010	North Goulburn	1018	0.55	665	0	-1	0	0	0	1	0	0	0	*	*	*	0
24015	South Goulburn	1011	0.46	638	0	-1	0	0	0	*	0	*	0	*	*	*	0
24020	South West Goulburn	1023	0.49	321	0	0	0	0	0	0	*	*	*	*	*	*	0
24510	North Ovens-Murray	1015	0.44	553	0	0	0	0	0	0	0	*	0	*	*	*	0
25010	Mitchell-Snowy	1012	2.52	186	0	0	0	0	0	*	*	*	*	*	*	*	0
25015	Macalister-Avon	1013	0.54	413	0	0	-1	0	0	0	*	*	0	0	*	*	0
25510	West Gippsland	1030	0.79	436	0	1	0	0	0	*	*	*	0	*	*	*	0
25515	Strzlecki	1045	0.29	268	0	0	0	0	0	*	*	*	*	*	*	*	0
25520	South Gippsland	1002	0.28	821	0	0	0	0	0	0	0	*	0	0	*	0	-1
24515	South Ovens-Murray	1035	0.36	268	-1	-2	0	0	0	1	*	*	*	*	*	*	0
20540	Northern Outer Melbourne	1069	0.25	1506	-2	0	0	0	0	-1	0	0	0	0	*	0	-1
20545	Eastern Inner Melbourne	1101	0.12	2974	-2	-1	-1	-1	-2	0	0	0	-2	0	0	0	0
20550	Eastern Middle Melbourne	1094	0.12	3151	-2	-2	-2	-1	-2	-2	0	-1	0	-2	-1	-1	-2
20555	Eastern Outer Melbourne	1071	0.20	3606	-2	-2	0	0	0	0	-1	0	-1	0	0	-1	-1
20560	Eastern Fringe Melbourne	1064	0.36	1343	-2	0	0	0	0	0	0	0	0	0	0	0	-2
20565	Southern Inner Melbourne	1070	0.12	3753	-2	-2	0	0	-1	0	0	0	-2	0	0	0	0
20570	Southern Outer Melbourne	1020	0.18	2964	-2	-2	0	0	-1	-2	0	-1	0	0	0	0	-2
21010	East Barwon	1054	0.32	635	-2	0	0	-2	-2	0	0	*	0	0	*	*	0

TABLE 19 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIO POINT SCALE (d), STATISTICAL SUB-DIVISION, STATES AND TERRITORIES OF AUSTRALIA

					Standardised mortality ratio point scale (d)												
S.D. No.	*Name*	*S.E. Index*	*% Aborig*	*Obser. deaths*	*All disea.*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron. obstru.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron. liver*	*Oth. disea.*
Queensland																	
30525	Ipswich-Moreton Shire Part A	985	1.89	1277	2	0	0	0	1	0	0	0	0	0	1	0	0
32505	South West	977	7.09	397	2	0	1	0	0	0	0	*	*	*	*	*	0
34005	Mackay	980	3.23	756	2	1	1	0	0	0	0	*	1	0	*	*	0
35005	Cairns	987	5.18	1012	2	0	0	0	1	0	0	0	1	0	*	1	1
35010	Far North SD Bal	955	16.85	1320	2	0	0	0	0	0	1	0	2	1	0	0	2
35505	North West	965	19.47	411	2	2	0	0	2	0	2	2	*	0	*	*	2
30545	Redcliffe City	938	1.02	1079	1	0	0	0	2	0	0	0	0	0	0	0	0
33010	Gladstone	996	2.37	330	1	1	0	0	0	0	0	*	*	*	*	*	0
34515	Northern SD Bal	999	3.42	956	1	0	0	0	0	0	1	0	0	0	*	0	0
30505	Brisbane City	1018	0.95	12249	0	-1	0	0	0	-2	-2	0	-1	0	0	0	0
30510	Albert Shire Part A	948	1.18	336	0	0	0	-1	0	1	*	*	1	*	*	*	0
30520	Caboolture Shire Part A	976	0.91	840	0	0	0	0	0	0	0	0	0	0	0	*	0
30530	Logan City	995	1.35	879	0	0	0	0	0	0	0	*	0	-2	*	*	0
30550	Redland Shire	1032	0.86	860	0	0	0	0	0	0	0	*	0	0	*	*	-2
31505	Bundaberg	946	1.76	898	0	0	0	0	0	*	0	0	0	0	*	*	0
32005	Darling Downs	996	1.48	2923	0	1	0	1	0	0	0	0	0	-2	0	0	0
33005	Rockhampton	985	3.19	1016	0	2	0	0	0	0	0	0	0	0	0	*	0
33015	Fitzroy SD Bal	991	3.58	648	0	0	0	0	0	0	1	*	0	0	*	*	-1
33505	Central West	994	4.40	190	0	0	0	0	0	*	*	*	*	*	*	*	0
34505	Townsville City	984	5.90	1038	0	0	0	0	0	0	0	0	0	0	0	0	1
34510	Thuringowa City Part A	1017	3.39	211	0	0	0	0	*	*	*	*	*	*	*	*	0
30515	Beaudesert Shire Part A	1051	0.61	75	-1	-1	0	*	*	*	*	*	*	*	*	*	0
31005	Gold Coast City	953	0.50	2563	-1	-1	0	0	-2	0	0	-1	0	2	0	0	0
31510	Wide Bay-Burnett SD Bal	949	2.09	2155	-1	0	0	0	0	0	0	0	0	0	-1	0	-1
30540	Pine Rivers Shire	1070	0.47	498	-2	0	0	-2	0	0	-1	*	*	-2	*	*	-2
31010	Albert Shire Part B	1019	0.45	1207	-2	-2	-2	-1	0	0	0	0	-2	0	*	*	0
31015	Sunshine Coast	959	0.56	1810	-2	-2	0	-2	-1	0	0	0	-2	0	-1	0	-1
31020	Moreton SD Bal	993	0.75	1297	-2	0	0	-1	-2	1	0	-2	0	0	0	*	-2
34010	Mackay SD Bal	1006	1.53	352	-2	0	-1	-1	0	0	0	*	*	0	*	*	-2
South Australia																	
43010	West Coast	928	14.61	95	2	0	0	*	*	*	*	*	*	*	*	*	0
43525	Far North	954	23.41	103	2	0	*	*	*	*	2	*	*	*	*	*	0
41510	Lower North	991	0.57	391	1	2	0	0	0	*	0	*	*	*	*	*	0
42510	Lower South East	984	0.79	622	1	2	0	0	0	0	0	*	0	0	*	*	0
43515	Pirie	951	1.05	502	1	0	0	0	1	*	0	0	0	*	*	*	1
43520	Flinders Ranges	942	8.20	297	1	0	0	0	0	*	*	*	*	*	*	*	0
40505	Northern	969	0.97	3350	0	0	0	0	1	0	0	0	0	0	0	0	0
40510	Western	942	0.99	4005	0	0	0	0	0	0	0	0	0	0	0	0	0
40515	Eastern	1046	0.40	4523	0	0	0	0	0	-2	0	2	-2	-1	0	0	0
41005	Barossa	1037	0.45	527	0	0	0	0	0	1	0	0	*	0	*	*	0
41010	Kangaroo Island	970	0.48	62	0	0	*	0	*	*	*	*	*	*	*	*	*
41505	Yorke	948	1.30	542	0	0	0	0	0	*	*	*	0	*	*	*	0
42005	Riverland	966	1.54	523	0	0	0	0	0	0	0	*	*	0	*	*	0
42010	Murray Mallee	947	2.51	485	0	0	0	0	0	*	*	0	*	*	*	*	0
42505	Upper South East	1011	0.87	262	0	0	0	0	0	1	*	*	*	*	*	*	0
43005	Lincoln	954	2.35	387	0	0	0	0	*	*	*	*	*	*	*	*	0
43505	Whyalla	901	1.61	299	0	0	1	0	1	*	*	*	*	*	*	*	0
41015	Onkaparinga	1040	0.44	248	-1	0	0	0	*	*	*	*	*	*	*	*	-2
41020	Fleurieu	992	0.51	476	-1	0	0	-1	0	*	*	0	0	*	*	*	0
40520	Southern	1030	0.40	4369	-2	-1	0	0	-1	-2	-2	-1	-2	0	0	-2	-2
Western Australia																	
53005	Lefroy	994	6.52	376	2	2	0	0	0	0	0	*	*	0	*	*	2
53510	Carnegie	937	30.34	70	2	1	*	*	*	*	*	*	*	*	*	*	1

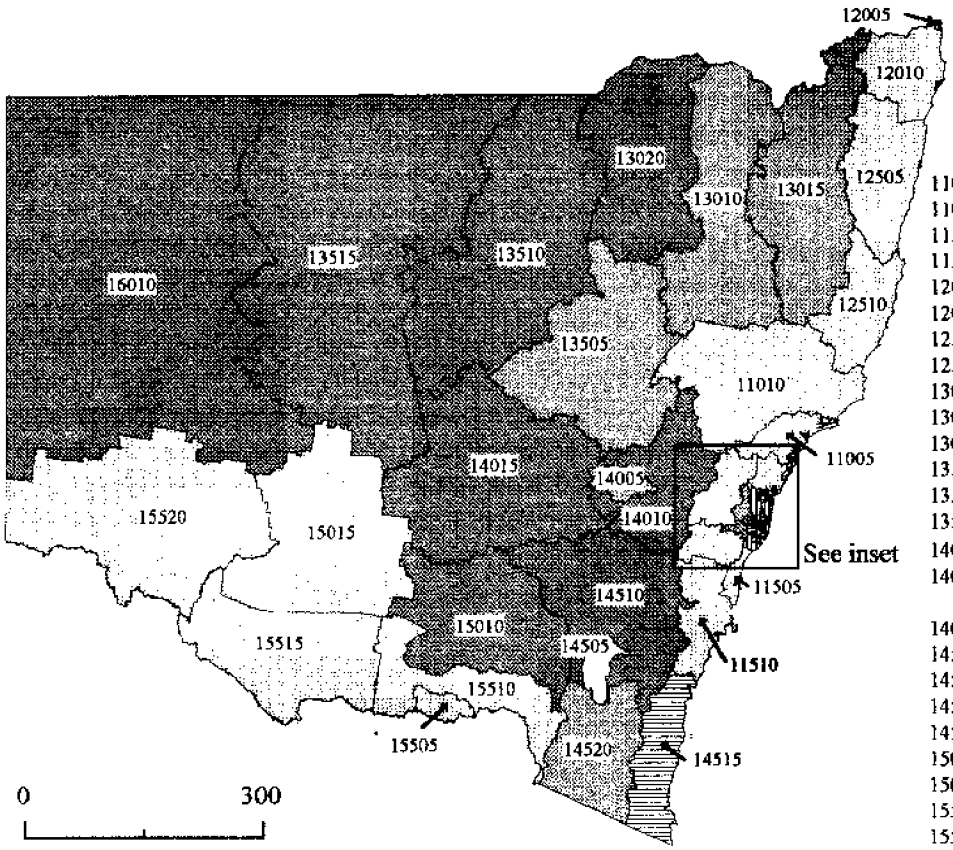
TABLE 19 SOCIO-ECONOMIC INDEX (a), PERCENTAGE OF ABORIGINAL POPULATION (b), OBSERVED DEATHS (c), AND STANDARDISED MORTALITY RATIO POINT SCALE (d), STATISTICAL SUB-DIVISION, STATES AND TERRITORIES OF AUSTRALIA

					Standardised mortality ratio point scale (d)												
S.D. No.	*Name*	*S.E. Index*	*% Aborig*	*Obser. deaths*	*All disea.*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron. obstru.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron. liver*	*Oth. disea.*
54010	Fortescue	1014	6.49	109	2	1	0	*	*	*	*	*	*	*	*	*	0
54505	Ord	918	38.48	126	2	2	0	*	*	1	*	*	*	*	*	*	2
54510	Fitzroy	883	38.61	164	2	0	0	0	*	*	1	*	2	*	*	*	2
50525	South East Metropolitan	1001	1.29	2972	1	0	1	0	0	0	0	0	0	0	0	0	0
51510	King	976	1.95	547	1	2	0	0	0	1	0	*	*	0	*	*	0
54005	De Grey	974	15.28	122	1	0	0	*	*	1	*	*	*	*	*	*	0
50505	Central Metropolitan	1017	0.65	3099	0	0	0	0	0	0	0	0	0	0	0	0	0
50510	East Metropolitan	1019	1.42	2022	0	0	0	0	0	0	0	-1	0	0	0	0	0
51005	Dale	942	0.98	627	0	0	0	0	0	0	*	0	0	0	*	*	0
51010	Preston	991	1.89	773	0	0	0	0	1	0	0	*	0	0	*	0	0
51015	Vasse	986	0.89	338	0	0	0	0	0	*	*	*	*	*	*	*	0
51020	Blackwood	996	1.08	197	0	0	0	0	*	1	*	*	*	*	*	*	0
51505	Pallinup	990	6.06	132	0	0	0	*	*	*	*	*	*	*	*	*	-1
52005	Hotham	1003	4.57	199	0	0	0	0	*	*	*	*	*	*	*	*	-1
52010	Lakes	1009	1.26	41	0	0	0	*	*	*	*	*	*	*	*	*	*
52505	Moore	985	3.35	100	0	0	0	*	*	*	*	*	*	*	*	*	*
52510	Avon	973	4.27	351	0	0	0	0	0	0	*	1	*	*	*	*	0
53010	Johnston	964	3.86	121	0	0	-1	0	*	*	*	*	*	*	*	*	0
53505	Gascoyne	956	9.33	89	0	0	0	*	*	*	*	*	*	*	*	*	0
53515	Greenough River	960	5.68	430	0	0	0	0	0	0	0	*	*	0	*	*	0
52515	Campion	991	2.92	114	-1	0	0	*	*	*	*	*	*	*	*	*	-1
50515	North Metropolitan	1013	0.92	3560	-2	-1	-1	-1	0	-2	-1	-2	-1	0	-1	0	0
50520	South West Metropolitan	998	0.95	2742	-2	-1	0	-1	0	-2	0	0	-1	0	0	0	-1
Tasmania																	
61005	Southern	979	3.46	583	1	0	0	0	0	0	0	0	*	0	*	*	0
61505	Greater Launceston	981	1.38	1661	0	0	0	0	0	0	0	0	0	0	0	0	0
61510	Central North	996	1.29	246	0	0	0	0	*	0	*	0	*	*	*	*	0
61515	North Eastern	951	1.82	308	0	0	0	0	0	*	*	0	*	*	*	*	0
62005	Burnie-Devonport	946	2.87	1377	0	0	0	0	0	0	0	0	0	-1	*	*	1
62015	Western	975	3.03	84	0	0	0	*	*	*	*	*	*	*	*	*	0
60505	Greater Hobart	990	1.73	2914	-1	0	0	0	0	0	0	0	0	0	0	0	0
62010	North Western Rural	999	2.72	252	-1	-1	0	0	0	*	*	*	*	*	*	*	-1
Northern Territory																	
71015	Alligator	864	54.02	78	2	*	0	*	1	*	*	*	*	*	*	*	1
71025	East Arnhem	928	52.48	142	2	1	0	*	2	*	*	*	*	*	*	*	2
71030	Lower Top End NT	893	36.09	213	2	1	0	*	*	2	*	1	1	*	*	*	1
71010	Bathurst-Melville	726	90.20	25	1	*	*	*	*	*	*	*	*	*	*	*	*
70510	Palmerston-East Arm	841	14.73	76	0	0	0	*	*	*	*	*	*	*	*	*	0
71020	Daly	772	62.07	40	0	*	*	*	*	*	*	*	*	*	*	*	0
71035	Barkly	863	42.06	70	0	0	0	*	*	*	*	*	*	*	*	*	0
71040	Central NT	921	29.79	368	0	0	0	0	0	0	0	0	*	*	*	*	0
71005	Darwin Rural Areas	997	10.21	88	-1	0	0	*	*	*	*	*	*	*	*	*	0
70505	Darwin City	991	7.33	470	-2	-2	0	*	-2	-2	-1	*	-2	0	*	0	-2
Australian Capital Territory																	
80505	Central Canberra	1028	0.70	964	2	2	0	0	1	0	1	0	0	1	0	0	2
80510	Belconnen	1093	0.48	478	0	0	0	0	*	0	0	*	*	0	*	*	0
80520	Weston Creek	1110	0.49	205	0	0	0	0	*	*	*	*	*	*	*	*	0
80530	Outer Canberra	1025	1.00	19	0	*	*	*	*	*	*	*	*	*	*	*	*
80515	Woden Valley	1098	0.60	279	-2	0	0	0	0	*	*	*	*	*	*	*	0
80525	Tuggeranong	1106	0.66	211	-2	0	0	*	*	0	*	*	*	*	*	*	-2
81005	Aust Capital Territory - Bal	957	15.74	4	*	*	*	*	*	*	*	*	*	*	*	*	*

(a), (b), and (c) are the same as for Table 17, (d) ±2 indicates a significant value of the standardised mortality ratio (SMR) at 1% level of significance, ±1 at 5% level of significance, 0 non significant value at 5% level of significance, and * indicates that the SMR was based on 10 or less observed deaths.

Figure 11.1 Comparison of the standardised mortality ratios

Statistical Subdivisions, New South Wales 1991-92

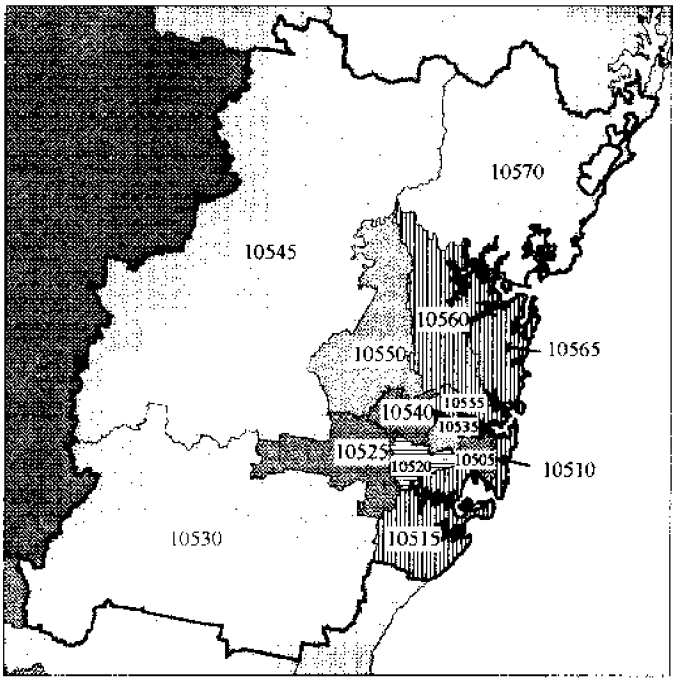


11005	Newcastle
11010	Hunter SD Bal
11505	Wollongong
11510	Illawarra SD Bal
12005	Tweed Heads
12010	Richmond-Tweed SD Bal
12505	Clarence
12510	Hastings
13010	Northern Slopes
13015	Northern Tablelands
13020	North Central Plain
13505	Central Macquarie
13510	Macquarie-Barwon
13515	Upper Darling
14005	Bathurst-Orange
14010	Central Tablelands (ex Bhurst/Ornge)
14015	Lachlan
14505	Queanbeyan
14510	Southern Tablelands (ex Qbn)
14515	Lower South Coast
14520	Snowy
15010	Central Murrumbidgee
15015	Lower Murrumbidgee
15505	Albury
15510	Upper Murray (ex Albury)
15515	Central Murray
15520	Murray-Darling
16010	Far West

All causes

- >3 SE above State
- 2-3 SE above State
- Within 2 SE of State
- 2-3 SE below State
- >3 SE below State
- 10 or fewer deaths

Sydney Statistical Division



10505	Inner Sydney
10510	Eastern Suburbs
10515	St George-Sutherland
10520	Canterbury-Bankstown
10525	Fairfield-Liverpool
10530	Outer South Western Sydney
10535	Inner Western Sydney
10540	Central Western Sydney
10545	Outer Western Sydney
10550	Blacktown-Baulkham Hills
10555	Lower Northern Sydney
10560	Hornsby-Ku-ring-gai
10565	Manly-Warringah
10570	Gosford-Wyong

Mortality in Albury, Newcastle, Gosford–Wyong and Wollongong was at par with the State average.

The lowest mortality areas were found in the Sydney statistical division (Canterbury–Bankstown, Eastern Suburbs, St George–Sutherland, Manly–Warringah, Lower Northern Sydney and Hornsby–Ku–ring–gai) and Lower South Coast and Tweed Heads SSDs.

For almost all areas with relatively high mortality (2), the incidence of mortality due to heart disease was significantly above the State level (Table 19).

For other causes of death, the incidence of higher mortality than the State average was different by area as follows:

Malignant neoplasms: Inner Sydney (2), Gosford–Wyong (1).

Cerebrovascular disease: Inner Sydney (1), Upper Darling (1), Inner Western Sydney (1).

Chronic obstructive pulmonary disease and allied conditions: Inner Sydney (2), North Central Plains (1), Central Tablelands (excluding Bathurst–Orange) (2), Lachlan (1), Southern Tablelands (ex. Queanbeyan) (1), Inner Western Sydney (1), Northern Tablelands (2).

Motor Vehicle traffic accidents: Central Tablelands (excluding Bathurst–Orange) (1), Lachlan (1), Far West (1), Clarence (1), Hastings (1), Lower Murrumbidgee (1), Central Murray (1).

Other accidents: Inner Sydney (1), Macquarie–Barwon (1), Hunter SD Balance (1).

Pneumonia and influenza: Queanbeyan (2), Far West (1), Bathrust–Orange (1).

Diabetes mellitus: Fairfield–Liverpool (2), Central Murrumbidgee (1), Newcastle (2).

Suicide: Inner Sydney (2).

Nephritis, nephrotic syndrome and nephrosis: Southern Tablelands (excluding Queanbeyan).

Chronic liver disease and cirrhosis: Inner Sydney (2), Eastern Suburbs (1).

Areas with overall mortality lower than the State were also low, or at par on mortality by cause.

Mortality in Victoria

Mortality variation among the SSDs in this State was generally less than in New South Wales. High mortality was concentrated in the south–west of Victoria, inner Melbourne and in a few areas in the north, central and south–east of the State.

The highest overall mortality, after West Central Highlands and Gippsland Lakes, was recorded in Central and Western Inner Melbourne SSDs. The lowest mortality was found in Eastern Middle Melbourne followed by many other SSDs in the Melbourne statistical division, in the South Ovens–Murray SSD in the north and in the East Barwon SSD which is south of the Geelong SSD. The high and low mortality SSDs are relatively low and high respectively on the index of the socio–economic disadvantage.

Much of central, north–west and south–east Victoria experienced mortality at par with the State. This included some SSDs of the Melbourne statistical division, and many other SSDs such as Mildura, Geelong, Bendigo, and Shepparton–Mooroopna.

Areas which had higher mortality than the State average by cause of death were as follows:

Heart disease: Central Melbourne (1), Western Inner Melbourne (1), Hopkins (1), Ballarat (2), West Central Highlands (2), Gippsland Lakes (1), Latrobe Valley (2), South Loddon–Campaspe (2), West Gippsland (1).

Malignant neoplasms: Central Melbourne (2), Western Inner Melbourne (1), Northern Middle Melbourne (1), Wodonga (1).

Cerebrovascular disease: Glenelg.

Chronic obstructive and pulmonary disease: Central Melbourne (2), Ballarat (1), Gippsland Lakes (2), Latrobe Valley (12), Mornington Penninsula Inner (1).

Motor vehicle traffic accidents: South Loddon–Campaspe (1), Mornington Penninsula Outer (1), Geelong (1), North Wimmera (1), East Mallee (1), North Goulburn (1), South Ovens–Murray (1).

Other accidents: Central Melbourne (2).

Pneumonia and influenza: None.

Diabetes mellitus: Western Outer Melbourne (2), Northern Inner Melbourne (1), Northern Fringe Melbourne (2), South Eastern Outer Melbourne (1).

Suicide: East Central Highlands (1).

Nephritis, nephrotic syndrome and nephrosis: Shepparton–Mooroopna (1).

Chronic liver disease and cirrhosis: Central Melbourne (2), Western Inner Melbourne (1).

Mortality in Queensland

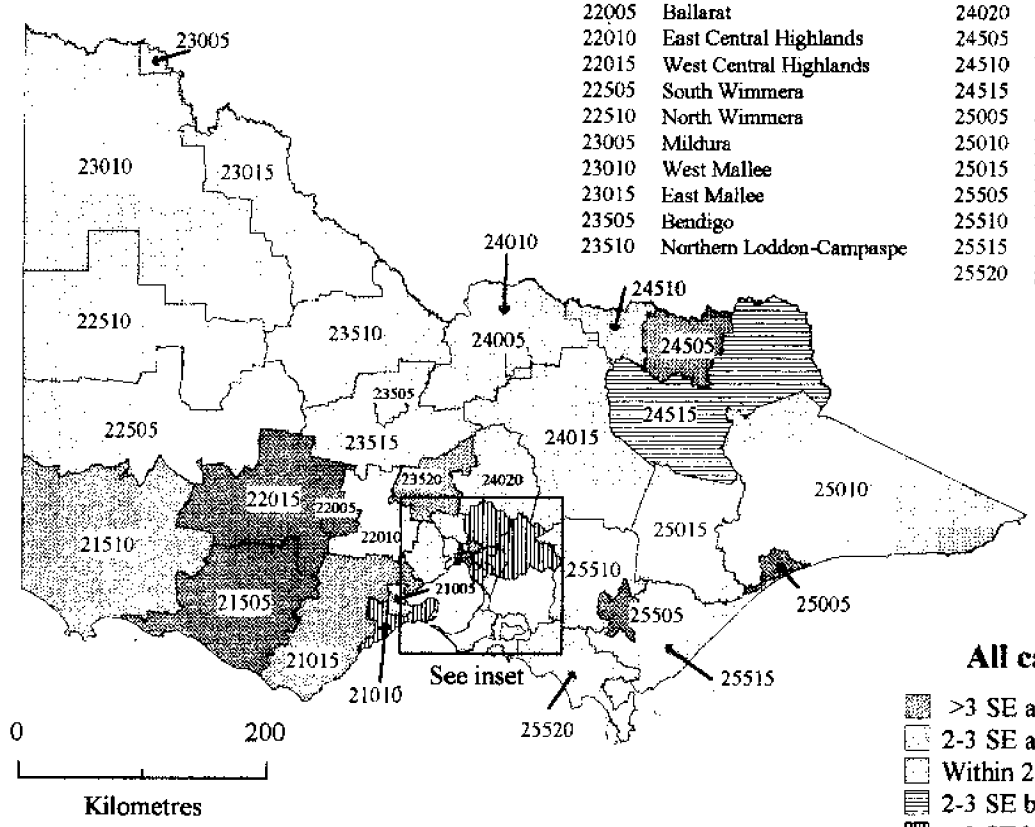
Relative to the State average, mortality was high in much of the northern and southern part of Queensland. The eastern coastal areas below Mackay had low mortality, while areas in the Brisbane statistical division had a mixture of high, at par with, or low mortality.

North West followed by South West, Far North SD Balance, Cairns and Mackay SSDs dominated the high

Figure 11.2 Comparison of the standardised mortality ratios

Statistical Subdivisions, Victoria 1991-92

21005	Geelong
21010	East Barwon
21015	West Barwon
21505	Hopkins
21510	Glenelg
22005	Ballarat
22010	East Central Highlands
22015	West Central Highlands
22505	South Wimmera
22510	North Wimmera
23005	Mildura
23010	West Mallee
23015	East Mallee
23505	Bendigo
23510	Northern Loddon-Campaspe
23515	Central Loddon-Campaspe
23520	South Loddon-Campaspe
24005	Shepparton-Mooroopna
24010	North Goulburn
24015	South Goulburn
24020	South West Goulburn
24505	Wodonga
24510	North Ovens-Murray
24515	South Ovens-Murray
25005	Gippsland Lakes
25010	Mitchell-Snowy
25015	Macalister-Avon
25505	Latrobe Valley
25510	West Gippsland
25515	Strzlecki
25520	South Gippsland



All causes

- >3 SE above State
- 2-3 SE above State
- Within 2 SE of State
- 2-3 SE below State
- >3 SE below State
- 10 or fewer deaths

Melbourne Statistical Division

20505	Central Melbourne
20510	Western Inner Melbourne
20515	Western Outer Melbourne
20520	Western Fringe Melbourne
20525	Northern Inner Melbourne
20530	Northern Middle Melbourne
20535	Northern Fringe Melbourne
20540	Northern Outer Melbourne
20545	Eastern Inner Melbourne
20550	Eastern Middle Melbourne
20555	Eastern Outer Melbourne
20560	Eastern Fringe Melbourne
20565	Southern Inner Melbourne
20570	Southern Outer Melbourne
20575	South Eastern Inner Melbourne
20580	South Eastern Outer Melbourne
20585	Mornington Peninsula Inner
20590	Mornington Peninsula Outer

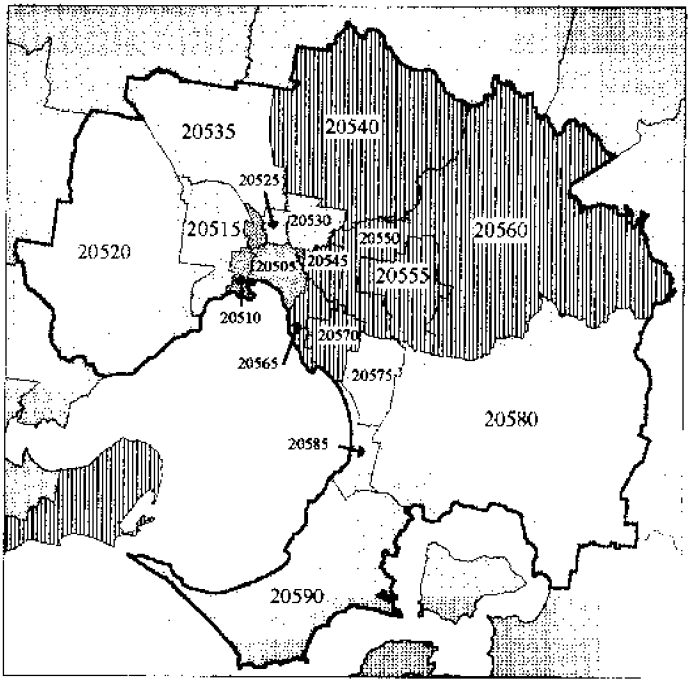
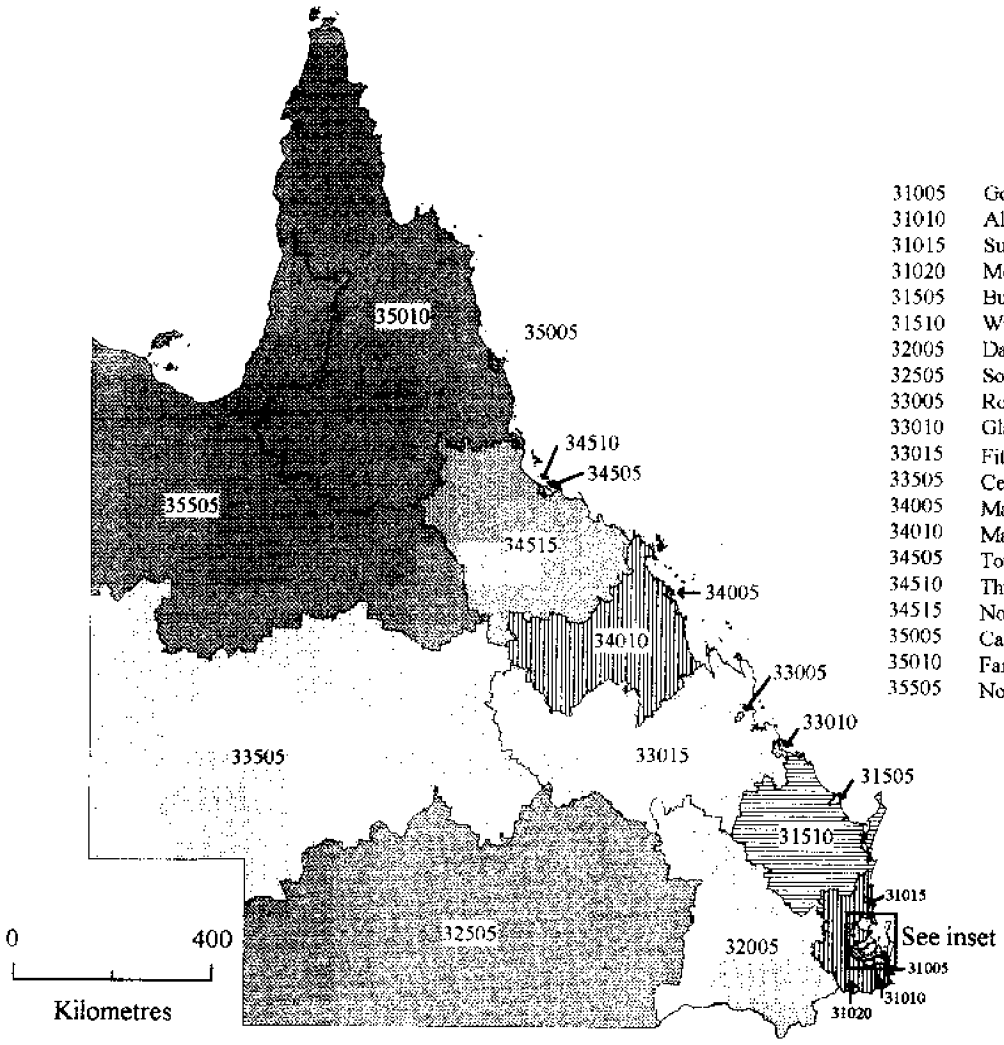


Figure 11.3 Comparison of the standardised mortality ratios

Statistical Subdivisions, Queensland 1991-92

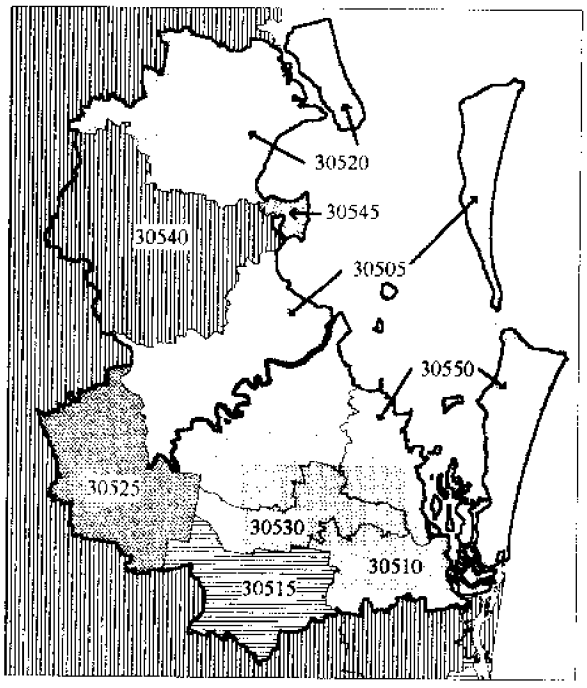


31005	Gold Coast City
31010	Albert Shire Pt B
31015	Sunshine Coast
31020	Moreton SD Bal
31505	Bundaberg
31510	Wide Bay-Burnett SD Bal
32005	Darling Downs
32505	South West
33005	Rockhampton
33010	Gladstone
33015	Fitzroy SD Bal
33505	Central West
34005	Mackay
34010	Mackay SD Bal
34505	Townsville City
34510	Thuringowa City Pt A
34515	Northern SD Bal
35005	Cairns
35010	Far North SD Bal
35505	North West

All causes

- >3 SE above State
- 2-3 SE above State
- Within 2 SE of State
- 2-3 SE below State
- >3 SE below State
- 10 or fewer deaths

Brisbane Statistical Division



30505	Brisbane City
30510	Albert Shire Part A
30515	Beaudesert Shire Pt A
30520	Caboolture Shire Part A
30525	Ipswich-Moreton Shire Part A
30530	Logan City
30540	Pine Rivers Shire
30545	Redcliffe City
30550	Redland Shire

mortality areas. The lowest mortality area was Mackay SD Balance followed by some SSDs in the Brisbane statistical division and some SSDs on the South Eastern Coast of the State (Gold Coast, Sunshine Coast).

The two areas in the Brisbane statistical division, which had higher mortality than the State were Ipswich–Moreton Shire Part A and Redcliffe City. The low mortality areas were Beaudesert Shire Part A and Pine Rivers Shire.

Brisbane City, Rockhampton, Townsville City, Logan City, Bundaberg and Darling Downs had average State mortality.

Areas which had higher cause–specific mortality than the State were as follows:

Heart disease: Mackay (1), North West (2), Gladstone (1), Darling Downs (1), Rockhampton (2).

Malignant neoplasms: South West (1), Mackay (1).

Cerebrovascular disease: Darling Downs (1).

Chronic obstructive pulmonary disease: Ipswich–Moreton Shire Part A (1), Cairns (1), North West (2), Redcliffe City (2).

Motor vehicle traffic accidents: Albert Shire Part A (1), Moreton SD Balance (1).

Other accidents: Far North SD Balance (1), North West (2), Northern SD balance (1), Fitzroy SD Balance.

Pneumonia and influenza: North West (2).

Diabetes mellitus: Mackay (1), Cairns (1), Far North SD balance (2), Albert Shire Part A (1).

Suicide: Far North SD balance (1), Gold Coast City (2).

Nephritis, nephrotic syndrome and nephrosis: Ipswich–Moreton Shire Part A (1).

Chronic liver disease and cirrhosis: Cairns (1).

Mortality in South Australia

Despite overall low mortality for the State, there were areas of high mortality. Far North and the West Coast SSDs had very high mortality, whereas Lower North, Flinders Ranges, and Pirie SSDs on the middle–eastern side of the State and the Lower South East SSD had moderately higher mortality than the State average. Many of these SSDs have a high percentage of the Aboriginal population living there. Low mortality occurred in the Southern SSD, followed by Onkaparinga and Fleurieu which both border the Adelaide statistical division.

Overall mortality in all other SSDs was at par with the State level.

Areas with higher mortality than State for each cause of death were as follows:

Heart disease: Lower North (2), Lower South East (2).

Malignant neoplasms: Whyalla (1).

Cerebrovascular disease: None.

Chronic obstructive pulmonary disease: Pirie (1), Northern (1), Whyalla (1).

Motor vehicle traffic accidents: Barossa (1), Upper South East (1).

Other accidents: Far North (2).

Pneumonia and influenza: Eastern (2).

Diabetes mellitus: None.

Suicide: None.

Nephritis, nephrotic syndrome and nephrosis: None.

Chronic liver disease and cirrhosis: None.

Mortality in Western Australia

Except for the coastal belt in the eastern and southern part of the State, mortality was higher in the entire central and northern part of Western Australia. In all these areas the proportion of the Aboriginal population ranged between 6 and 39 per cent. Mortality higher than the State was also prevalent in the King SSD at the southern west coast, and in the South East Metropolitan SSD of Perth statistical division.

The coastal belt on the west and south had a mortality level on a par with the State.

The lowest mortality in the State occurred in the North Metropolitan SSD followed by the South West Metropolitan SSD of the Perth statistical division. The Campion SSD also recorded lower mortality than the State average.

By cause of death, the SSDs that recorded above State level mortality were as follows:

Heart disease: Lefroy (2), Carnegie (1), Fortescue (2), Ord (2), King (2).

Malignant neoplasms: South East Metropolitan (1).

Cerebrovascular disease: None.

Chronic obstructive pulmonary disease: Preston (1).

Motor vehicle traffic accidents: Ord (1), King (1), De Grey (1), Blackwood (1).

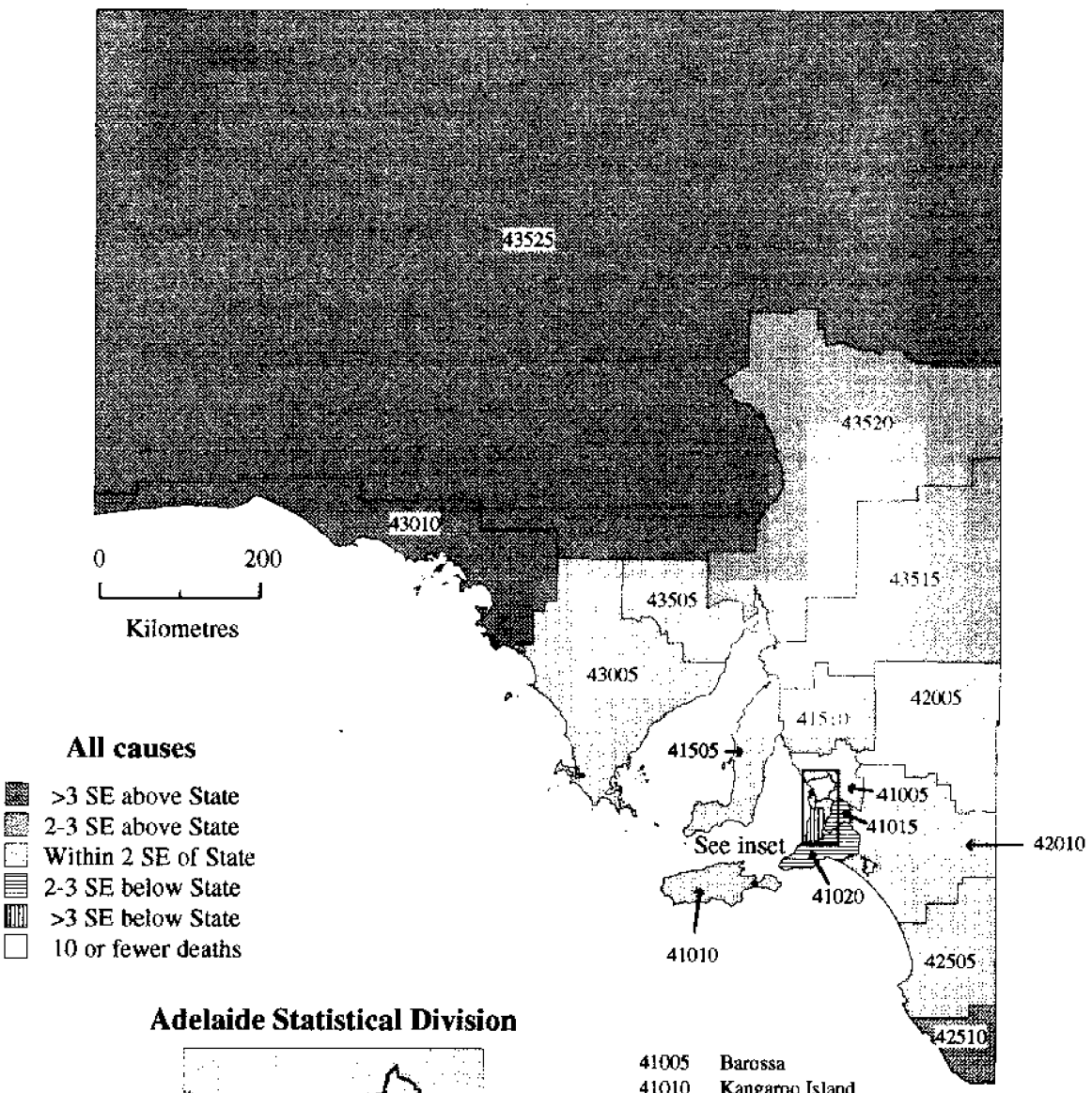
Other accidents: Fitzroy (1).

Pneumonia and influenza: None.

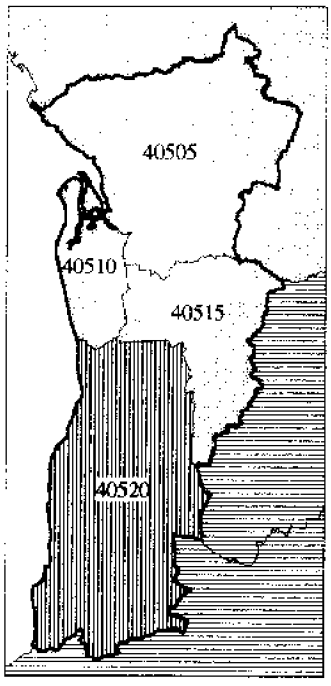
Diabetes mellitus: Fitzroy (2).

Figure 11.4 Comparison of the standardised mortality ratios

Statistical Subdivisions, South Australia 1991-92



Adelaide Statistical Division

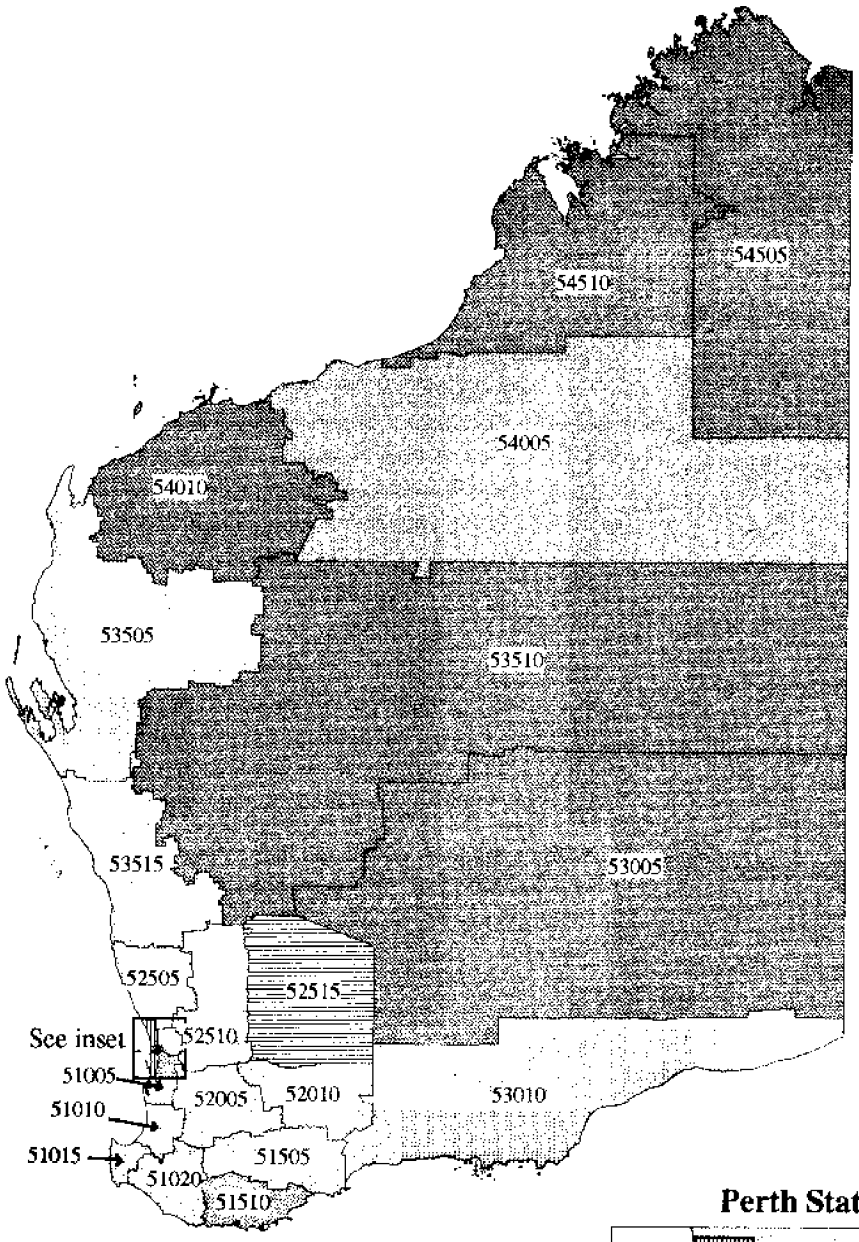


40505	Northern
40510	Western
40515	Eastern
40520	Southern

41005	Barossa
41010	Kangaroo Island
41015	Onkaparinga
41020	Fleurieu
41505	Yorke
41510	Lower North
42005	Riverland
42010	Murray Mallee
42505	Upper South East
42510	Lower South East
43005	Lincoln
43010	West Coast
43505	Whyalla
43515	Pirie
43520	Flinders Ranges
43525	Far North

Figure 11.5 Comparison of the standardised mortality ratios

Statistical Subdivisions, Western Australia 1991-92



51005	Dale
51010	Preston
51015	Vasse
51020	Blackwood
51505	Pallinup
51510	King
52005	Hotham
52010	Lakes
52505	Moore
52510	Avon
52515	Campion
53005	Lefroy
53010	Johnston
53505	Gascoyne
53510	Carnegie
53515	Greenough River
54005	De Grey
54010	Fortescue
54505	Ord
54510	Fitzroy

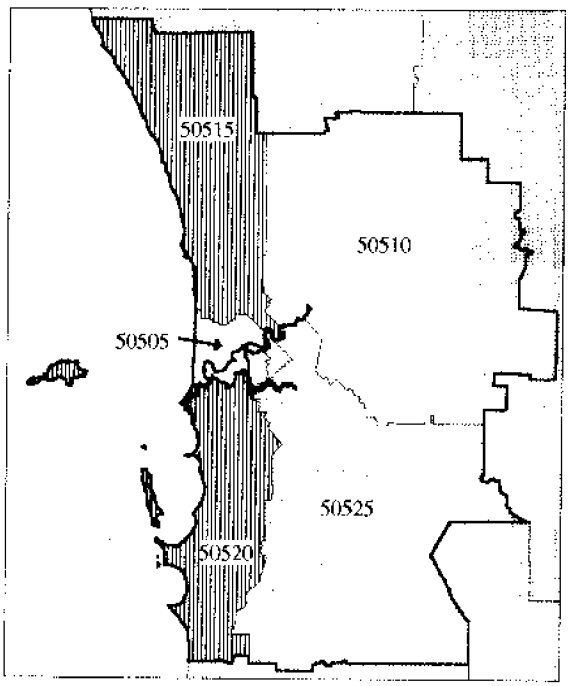
0 400

Kilometres

All causes

- >3 SE above State
- 2-3 SE above State
- Within 2 SE of State
- 2-3 SE below State
- >3 SE below State
- 10 or fewer deaths

Perth Statistical Division



50505	Central Metropolitan
50510	East Metropolitan
50515	North Metropolitan
50520	South West Metropolitan
50525	South East Metropolitan

0 20

Kilometres

Suicide: None.

Nephritis, nephrotic syndrome and nephrosis: None.

Chronic liver disease and cirrhosis: None.

Mortality in Tasmania

Higher mortality than the State average was found in the Southern SSD only. Greater Hobart and North Western Rural SSDs had lower mortality than the State.

All other SSDs had mortality level on a par with State.

The number of deaths by individual cause of death groups was small in the SSDs. Given the overall high mortality of the State, none of the SSDs showed higher mortality by cause of death than the corresponding State average mortality.

Mortality in the Northern Territory

Mortality in four SSDs – East Arnhem, Alligator, Lower Top End NT and Bathurst–Melville – was above the Territory's average. All these SSDs had a high proportion of the Aboriginal population. Darwin City SSD had the lowest mortality followed by Darwin Rural Areas SSD. All other areas had mortality level on par with the Territory.

The number of deaths in each area was generally small, but relative to the level in the Territory, there were high incidences of mortality due to heart disease in East Arnhem (1) and Lower Top End NT (1); of chronic obstructive pulmonary disease in Alligator (1) and East Arnhem (2); and of motor vehicle accidents, pneumonia and diabetes mellitus in Lower Top End NT (2, 1, and 1 respectively).

Mortality in the Australian Capital Territory

Within the Territory, Central Canberra had higher, and Tuggeranong followed by Woden Valley lower, overall mortality than the Territory's average. By cause of death, only Central Canberra showed higher than the respective Territory mortality due to heart disease (2), chronic obstructive pulmonary disease (1), Other accidents (1), and suicide (1).

Mortality in the statistical divisions in relation to Australia

At a broader level of aggregation, i.e., the statistical divisions (SDs), mortality levels are compared and plotted on a map of Australia. (Table 20 and Figure 12). The advantage of this approach is that the mortality rates by cause in the SSDs, which could not be compared with the national or State mortality because of the small number of deaths (fewer than 10) could now be compared, albeit at a higher level of aggregation, with the corresponding cause-specific mortality for the country. Also, an Australia wide picture of the prevailing cause-specific mortality emerges.

Overall mortality level

Mortality higher than the Australian average occurred in the northern and southern part of Australia (excluding the coastal part of South Australia, middle part of Victoria and the contiguous south-west part of New South Wales). In the middle part, except for the Northern Territory, mortality was on a par with, or below the national average. The coastal belt of middle-Queensland and New South Wales extending up to the Illawara region (except the Hunter region) had mortality on par with, or lower than Australia. The South-east parts of New South Wales and Victoria, Western Districts and Central Highlands in Victoria, and all of Tasmania had higher mortality than Australia. The mortality level in the west-coast region of Western Australia was lower than that for Australia.

Compared with the Australian average, mortality was higher in the statistical divisions of Darwin and Greater Hobart, on a par in Sydney and Brisbane, and lower in Melbourne, Adelaide, Perth and Canberra. This confirms the State variation in mortality, discussed previously.

Many statistical divisions had higher overall mortality and higher, or at par cause-specific mortality than the Australian average (Table 20). However, there were areas that were not high on overall mortality despite high levels of mortality due to certain causes. These only are given below. The number inside the bracket is the statistical division number. The first digit of the number corresponds to the State, i.e., New South Wales =1, Victoria =2, Queensland =3, South Australia =4, Western Australia =5, Tasmania =6, Northern Territory =7, Australian Capital Territory =8.

Heart disease: Illawara (115), Fitzroy (330), South East (425), Darling Downs (320), Yorke and Lower North (415), Lower Great Southern (515).

Malignant neoplasms: Melbourne (205), Ovens-Murray (245).

Cerebrovascular disease: Sydney (105), Illawara (115), Mid-North Coast (125), Brisbane (305), Darling Downs (320).

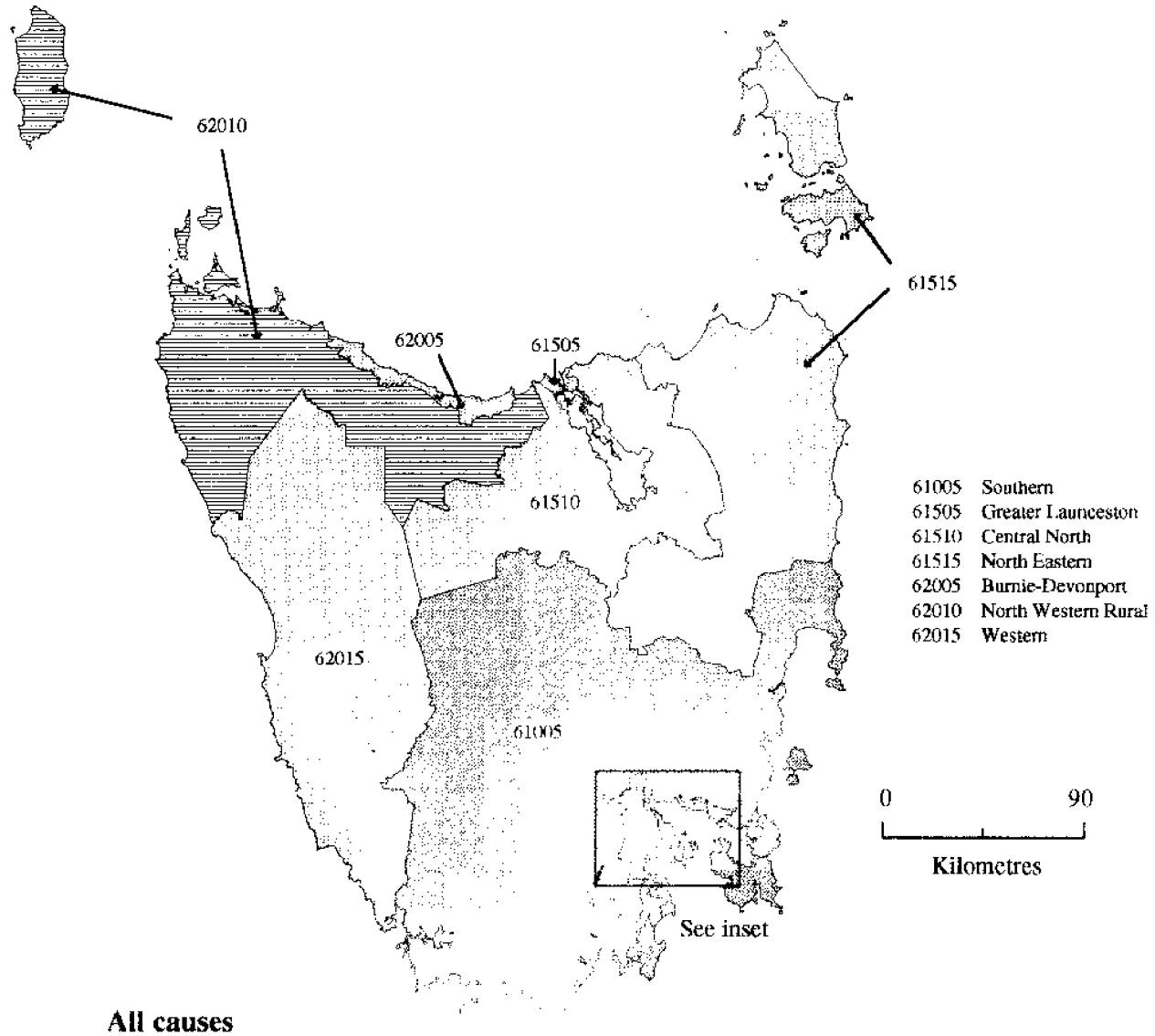
Chronic obstructive pulmonary disease: None.

Motor vehicle traffic accidents: Murray (155), Outer Adelaide (410), Mid-North Coast (125), Mallee (230), Goulburn (240), Ovens-Murray (245), Moreton (310), South East (425), Eyre (430), Lower Great Southern (515).

Other accidents: Fitzroy (330).

Figure 11.6 Comparison of the standardised mortality ratios

Statistical Subdivisions, Tasmania 1991-92



All causes

- >3 SE above State
- 2-3 SE above State
- Within 2 SE of State
- 2-3 SE below State
- >3 SE below State
- 10 or fewer deaths

60505 Greater Hobart

Greater Hobart Statistical Division

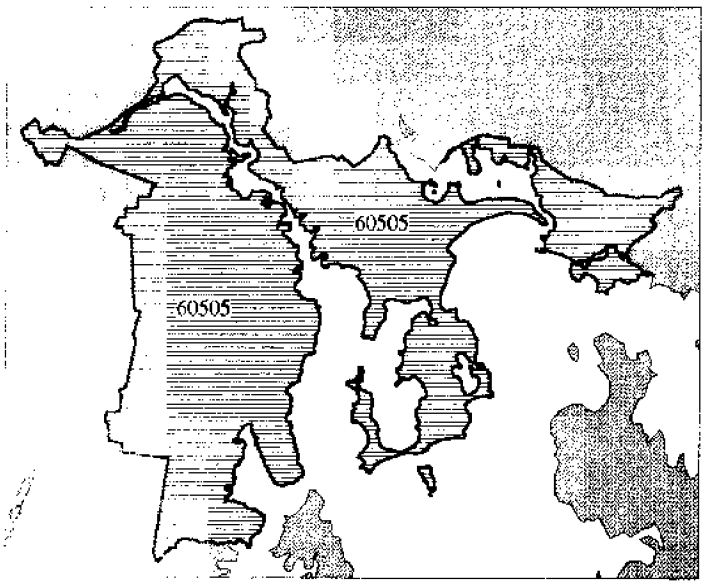
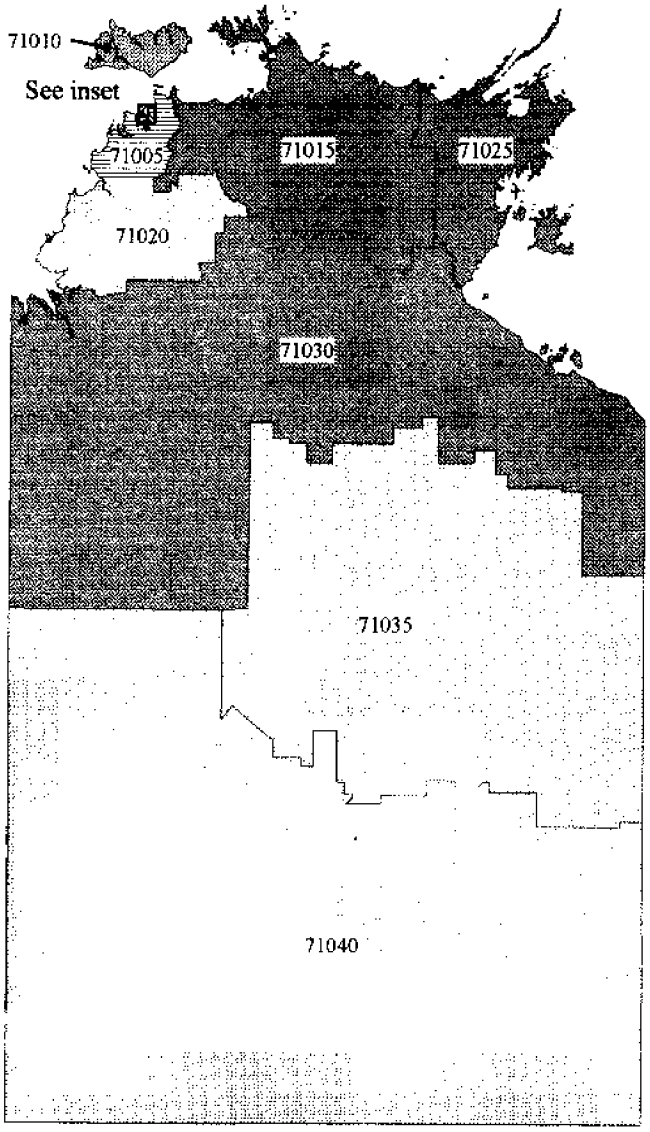


Figure 11.7 Comparison of the standardised mortality ratios

Statistical Subdivisions, Northern Territory 1991-92



71005 Darwin Rural Areas
71010 Bathurst-Melville
71015 Alligator
71020 Daly
71025 East Arnhem
71030 Lower Top End NT
71035 Barkly
71040 Central NT

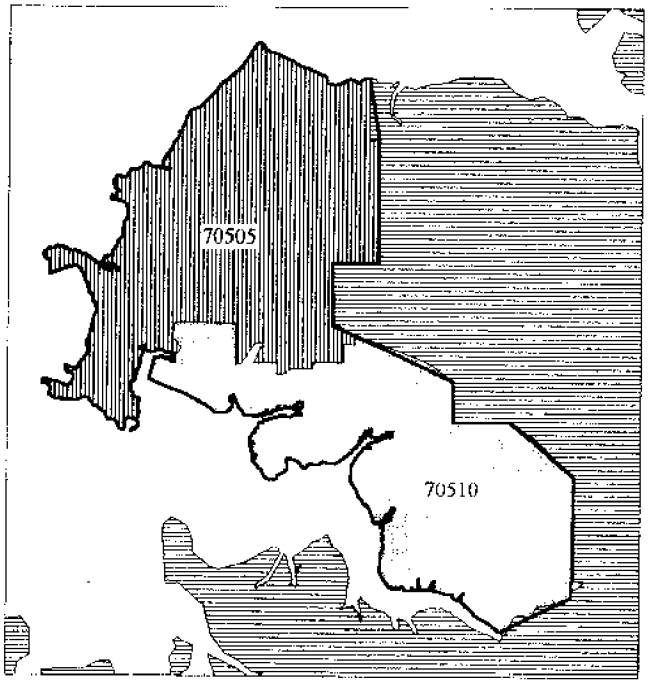
All causes

- >3 SE above State
- 2-3 SE above State
- Within 2 SE of State
- 2-3 SE below State
- >3 SE below State
- 10 or fewer deaths

0 200

Kilometres

Darwin Statistical Division



70505 Darwin City
70510 Palmerston-East Arm

0 5

Kilometres

Figure 11.8 Comparison of the standardised mortality ratios

Statistical Subdivisions, Australian Capital Territory 1991-92

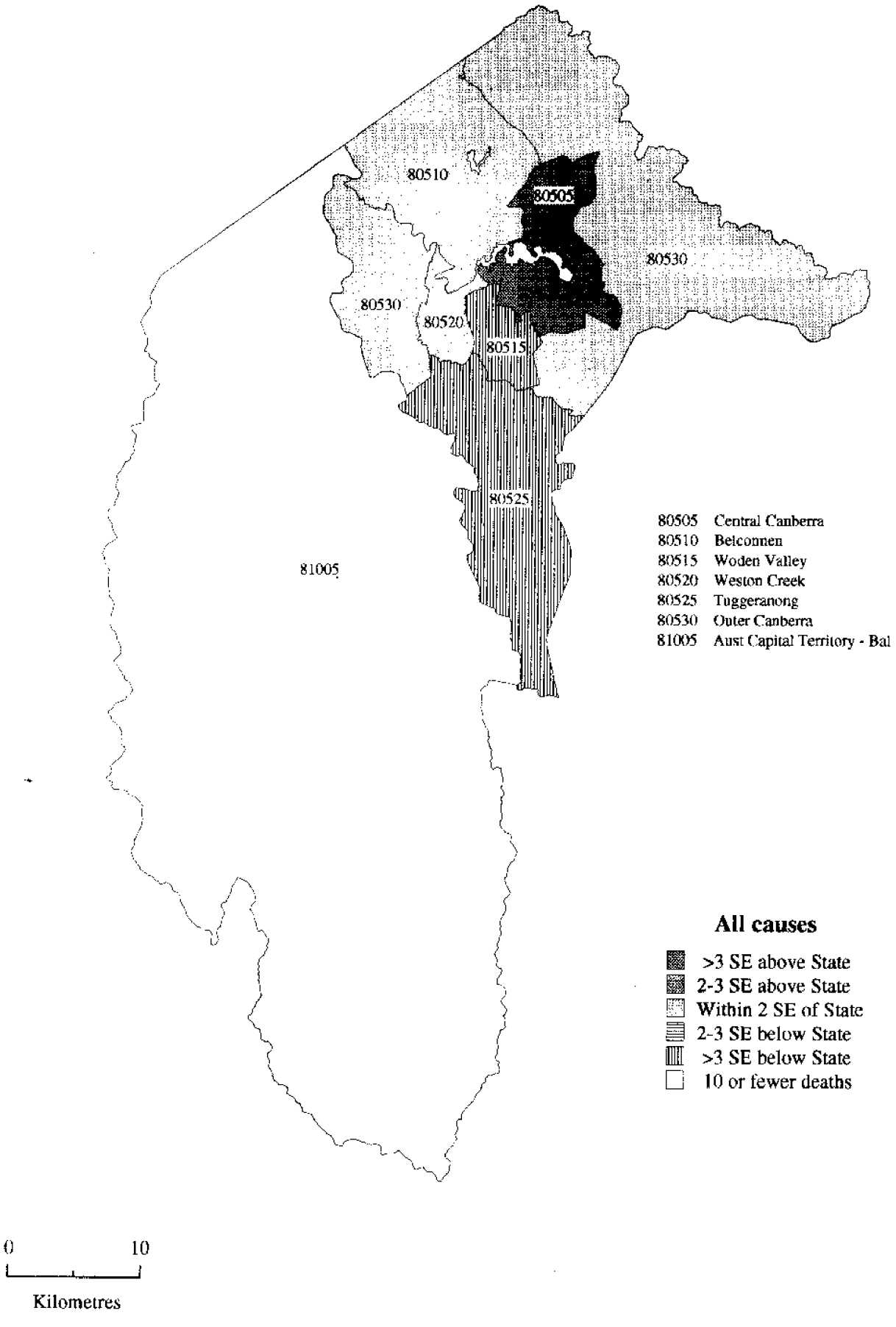


TABLE 20 STANDARDISED MORTALITY RATIOS ON POINT SCALE (a) BY CAUSE, STATISTICAL DIVISIONS COMPARED WITH AUSTRALIA

S.D. No.	Name	All disea.	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.
110	Hunter	2	0	0	1	0	0	0	-2	0	0	1	0	1
130	Northern	2	2	0	0	2	0	0	0	0	0	0	0	0
135	North Western	2	2	0	1	1	0	0	-1	0	1	0	0	0
140	Central West	2	2	0	1	2	1	0	0	0	0	0	0	1
145	South Eastern	2	2	0	0	1	0	0	0	0	0	2	0	0
150	Murrumbidgee	2	1	0	1	1	0	0	0	0	0	0	0	0
160	Far West	2	1	0	0	0	1	0	0	0	0	*	*	1
105	Sydney	0	0	0	2	0	-2	-1	-2	-2	-2	0	0	1
115	Illawarra	0	2	0	2	0	-1	0	-2	-2	0	0	0	-2
120	Richmond-Tweed	0	0	-1	0	0	0	0	0	0	0	0	0	0
125	Mid-North Coast	0	0	0	1	0	1	0	0	0	0	0	0	0
155	Murray	0	0	0	0	0	2	0	0	0	0	0	0	0
215	Western District	2	0	1	0	0	0	0	0	1	0	-1	0	0
220	Central Highlands	2	2	0	-1	1	0	0	0	0	0	0	-1	2
255	Gippsland	2	2	0	0	0	0	0	-2	2	0	0	0	0
250	East Gippsland	1	1	0	0	2	0	0	0	0	0	0	0	0
210	Barwon	0	0	0	-2	0	0	0	0	0	0	-1	0	0
225	Wimmera	0	0	0	0	0	0	0	*	0	*	0	*	0
230	Mallee	0	-1	0	0	0	1	0	0	0	0	0	0	0
235	Loddon-Campaspe	0	0	0	-1	0	0	0	-1	0	0	0	0	0
240	Goulburn	0	-2	0	0	0	1	0	0	0	0	0	0	0
245	Ovens-Murray	0	0	1	-1	0	1	0	0	0	0	0	0	0
205	Melbourne	-2	-2	1	-2	0	-2	-2	-2	2	0	0	0	-1
325	South West	2	0	0	0	0	0	0	*	*	*	*	*	0
345	Northern	2	0	0	0	0	0	1	0	0	0	0	0	1
350	Far North	2	1	0	0	0	1	1	0	2	1	0	1	2
355	North West	2	2	0	0	2	0	2	2	*	0	*	*	2
305	Brisbane	0	0	0	1	0	0	-1	0	-2	0	2	-1	-1
320	Darling Downs	0	1	0	1	0	0	0	0	0	-1	0	0	0
330	Fitzroy	0	2	0	0	0	0	1	0	0	0	0	-1	-1
335	Central West	0	0	0	0	0	*	*	*	*	*	*	*	0
340	Mackay	0	0	0	0	0	0	0	0	0	0	0	*	-2
315	Wide Bay-Burnett	-1	0	-1	0	0	0	0	0	0	0	-1	0	-2
310	Moreton	-2	-2	-2	-2	-2	1	0	-1	-2	1	0	-2	-2
435	Northern	2	1	0	0	1	0	2	1	1	0	0	0	0
415	Yorke And Lower North	0	1	0	0	0	0	0	0	0	0	*	*	0
420	Murray Lands	0	0	0	0	-1	0	0	1	0	0	*	0	0
425	South East	0	2	0	0	0	1	0	0	0	0	*	*	-1
430	Eyre	0	0	0	0	-2	1	0	0	0	*	*	*	0
405	Adelaide	-2	0	0	0	-2	-1	-2	2	-2	0	-2	0	-2
410	Outer Adelaide	-2	0	-2	0	-1	2	0	0	0	0	*	*	-1
530	South Eastern	2	1	0	0	0	0	0	0	*	0	*	*	1
540	Pilbara	2	0	0	0	*	1	*	2	*	*	*	*	0
545	Kimberley	2	1	0	1	0	1	1	2	2	*	*	*	2
515	Lower Great Southern	0	1	0	0	0	1	0	0	0	0	*	*	0
520	Upper Great Southern	0	0	0	0	0	*	*	*	*	*	*	*	-2
535	Central	0	0	0	0	0	0	0	*	0	0	*	*	0
525	Midlands	-1	0	0	-1	0	0	0	1	0	0	*	*	-2
505	Perth	-2	-2	0	-2	-2	-1	0	0	-1	0	-2	-1	0
510	South West	-2	-2	0	0	0	0	0	0	0	0	-2	0	0
610	Southern	2	0	1	0	1	0	1	1	*	1	*	*	0
615	Northern	2	1	0	0	0	1	0	2	0	2	0	0	1
620	Mersey-Lyell	2	0	0	0	0	0	0	1	0	0	0	0	2
605	Greater Hobart	1	0	0	0	2	0	1	2	-1	0	-2	-1	1
705	Darwin	2	0	0	*	2	0	1	1	1	0	*	1	2
710	Northern Territory - Bal	2	2	2	1	2	2	2	2	2	0	2	0	2
805	Canberra	-2	-2	0	-2	-2	0	0	1	-1	0	0	0	0
810	Aust Capital Territory - Bal	*	*	*	*	*	*	*	*	*	*	*	*	*

(a) ±2 indicates a significant value of the standardised mortality ratio (SMR) at 1% level of significance, ±1 at 5% level of significance, 0 non significant value at 5% level of significance, and * indicates that the SMR was based on 10 or less observed deaths.

Pneumonia and influenza: Adelaide (405), Murray Lands (420), Midlands (525), Canberra (805).

Diabetes mellitus: Melbourne (205).

Suicide: Moreton (310).

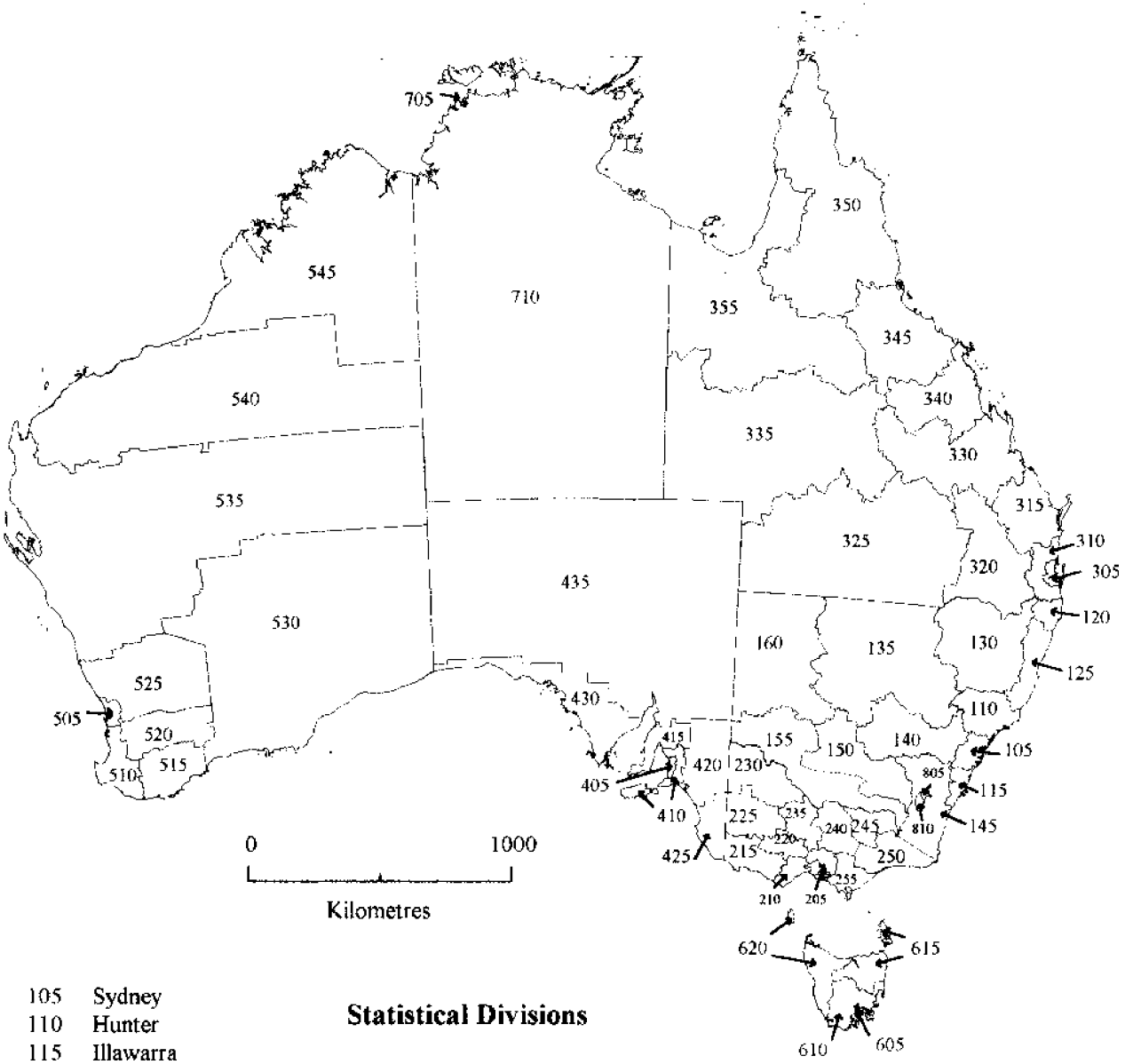
Nephritis, nephrotic syndrome and nephrosis: Brisbane (305).

Chronic liver disease and cirrhosis: None.

Statistical Divisions which had high overall mortality and were at par with, or lower cause–specific mortality than Australia are many and can be seen in Figure 12 and Table 20.

Figure 12.1 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92



Statistical Divisions

105	Sydney
110	Hunter
115	Illawarra
120	Richmond-Tweed
125	Mid-North Coast
130	Northern
135	North Western
140	Central West
145	South Eastern
150	Murrumbidgee
155	Murray
160	Far West
205	Melbourne
210	Barwon
215	Western District
220	Central Highlands
225	Wimmera
230	Mallee
235	Loddon-Campaspe
240	Goulburn
245	Ovens-Murray
250	East Gippsland
255	Gippsland
305	Brisbane
310	Moreton
315	Wide Bay-Burnett
320	Darling Downs
325	South West
330	Fitzroy
335	Central West
340	Mackay
345	Northern
350	Far North
355	North West
405	Adelaide
410	Outer Adelaide
415	Yorke and Lower North
420	Murray Lands
425	South East
430	Eyre
435	Northern
505	Perth
510	South West
515	Lower Great Southern
520	Upper Great Southern
525	Midlands
530	South Eastern
535	Central
540	Pilbara
545	Kimberley
605	Greater Hobart
610	Southern
615	Northern
620	Mersey-Lyell
705	Darwin
710	Northern Territory - Bal
805	Canberra
810	Aust Capital Territory - Bal

Figure 12.2 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

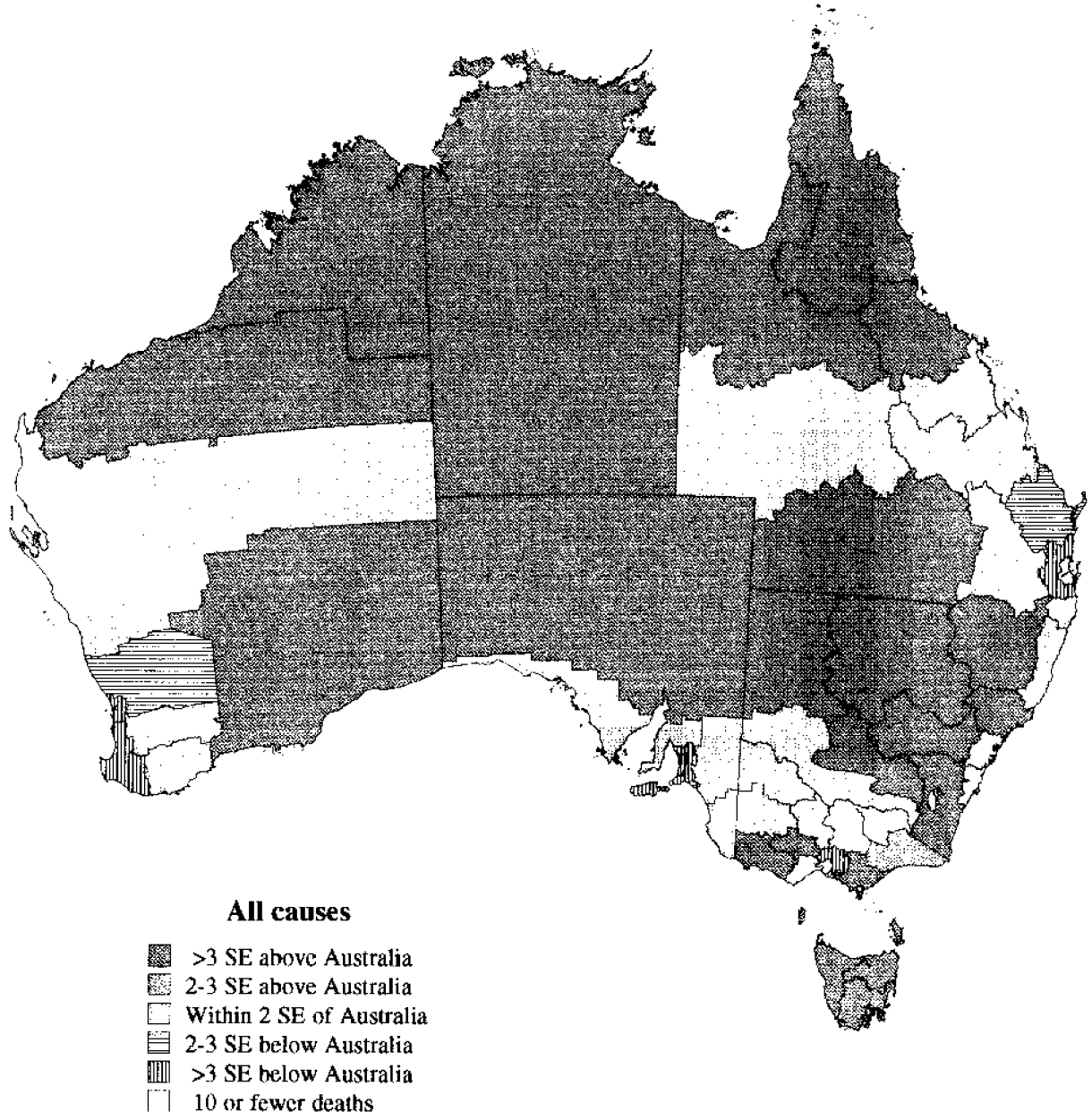


Figure 12.3 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

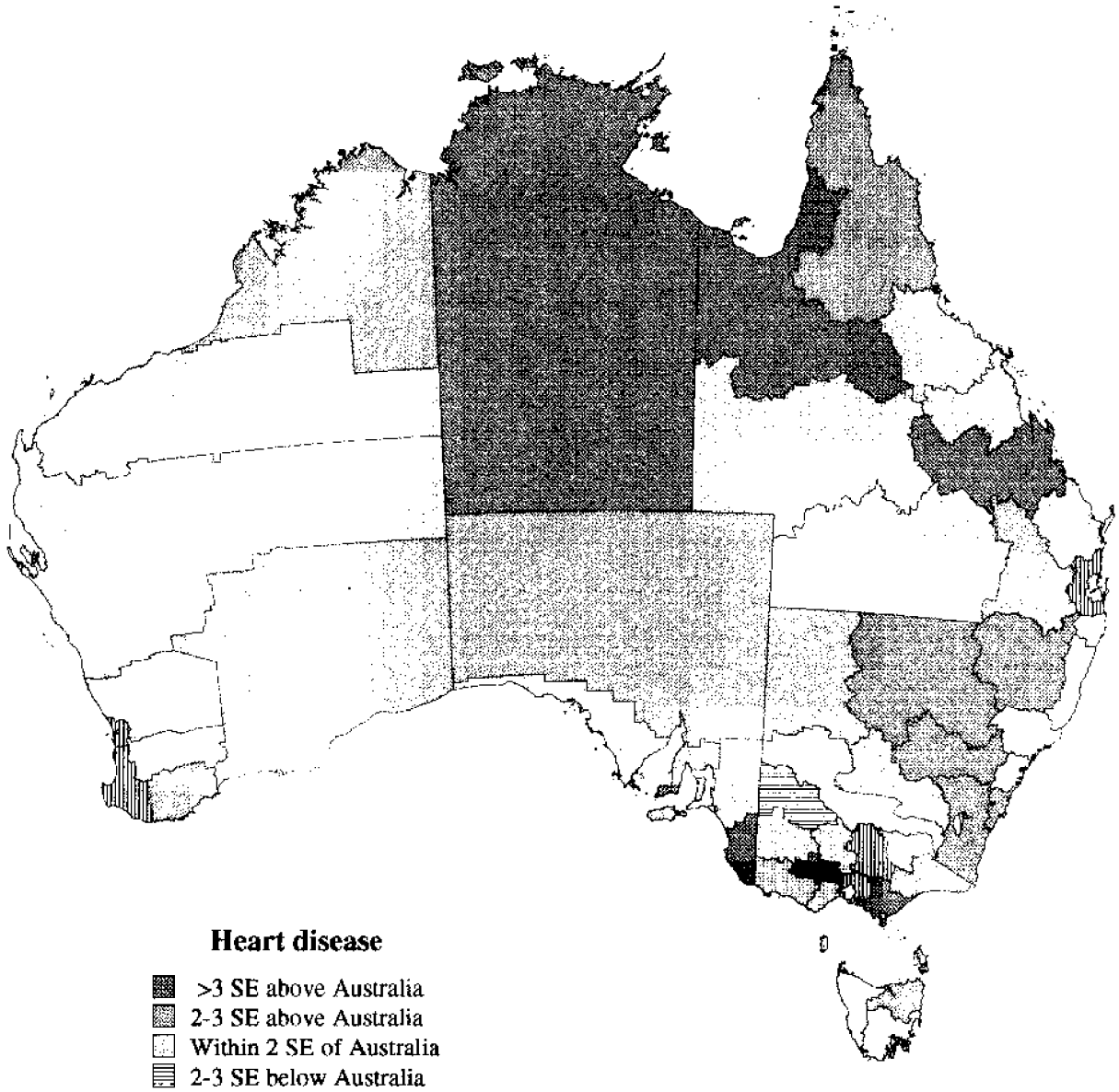


Figure 12.4 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

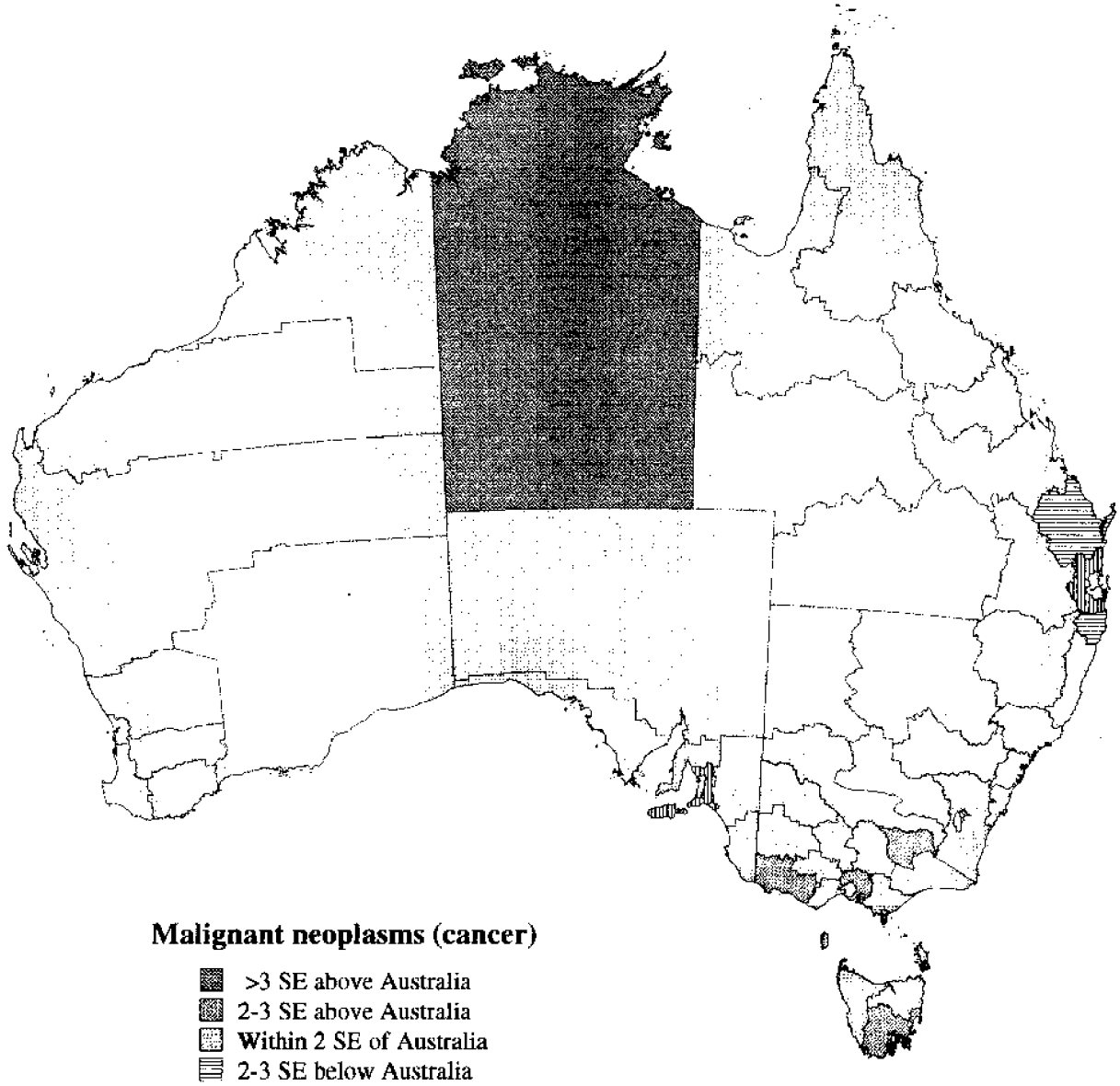


Figure 12.5 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

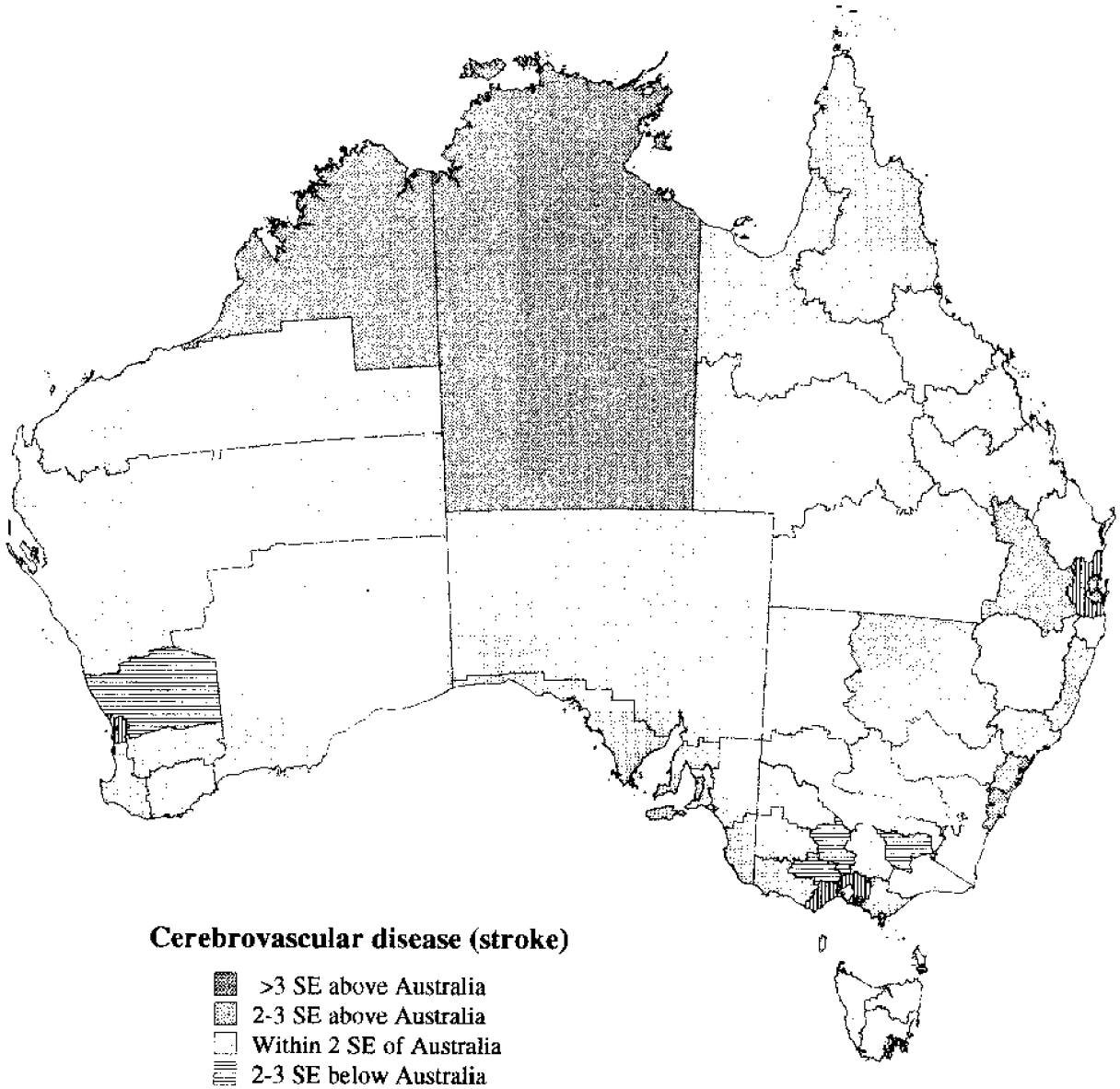
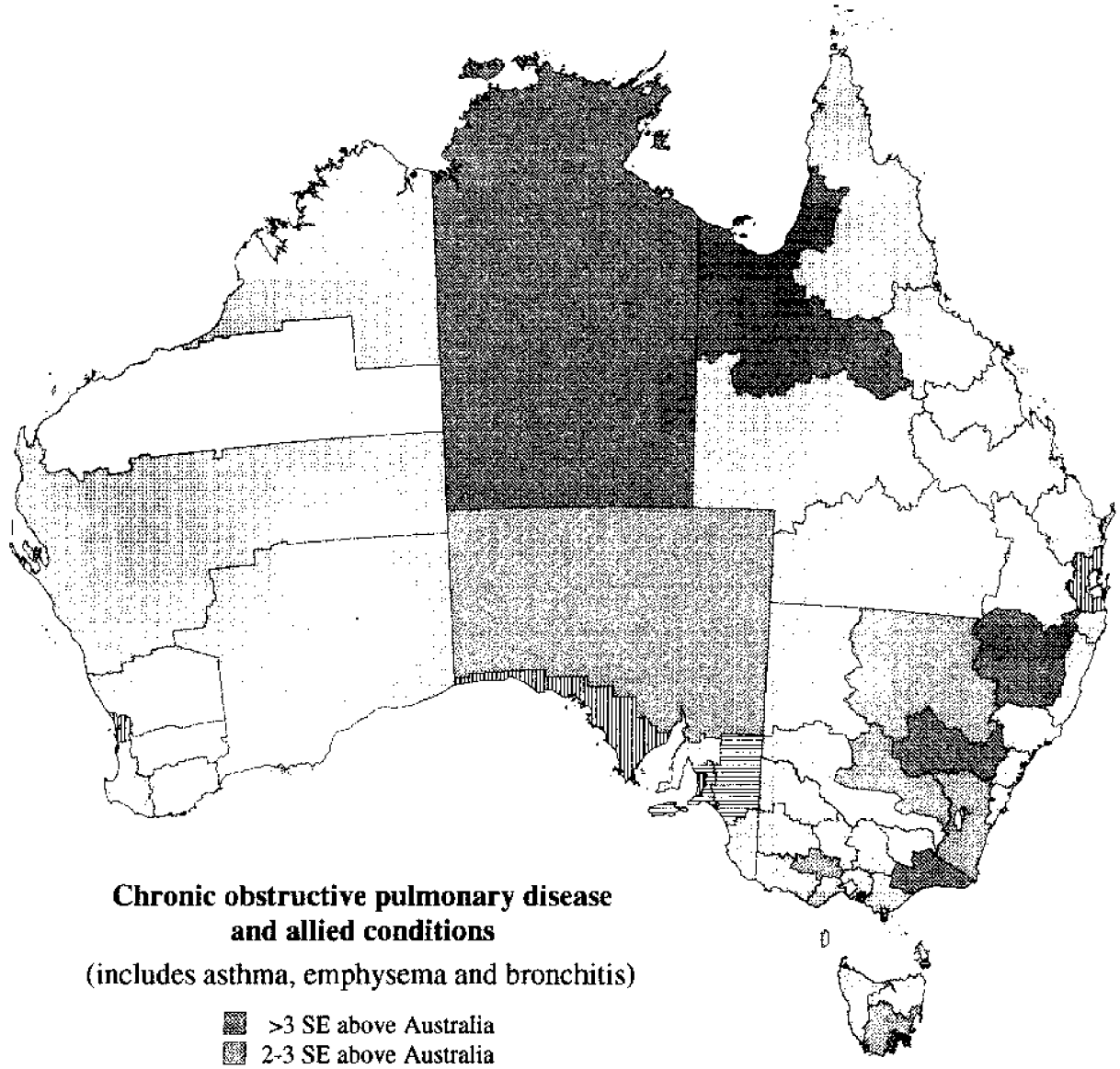


Figure 12.6 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92



Chronic obstructive pulmonary disease and allied conditions

(includes asthma, emphysema and bronchitis)

- >3 SE above Australia
- 2-3 SE above Australia
- Within 2 SE of Australia
- 2-3 SE below Australia
- >3 SE below Australia
- 10 or fewer deaths

0 1000

Kilometres

Figure 12.7 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

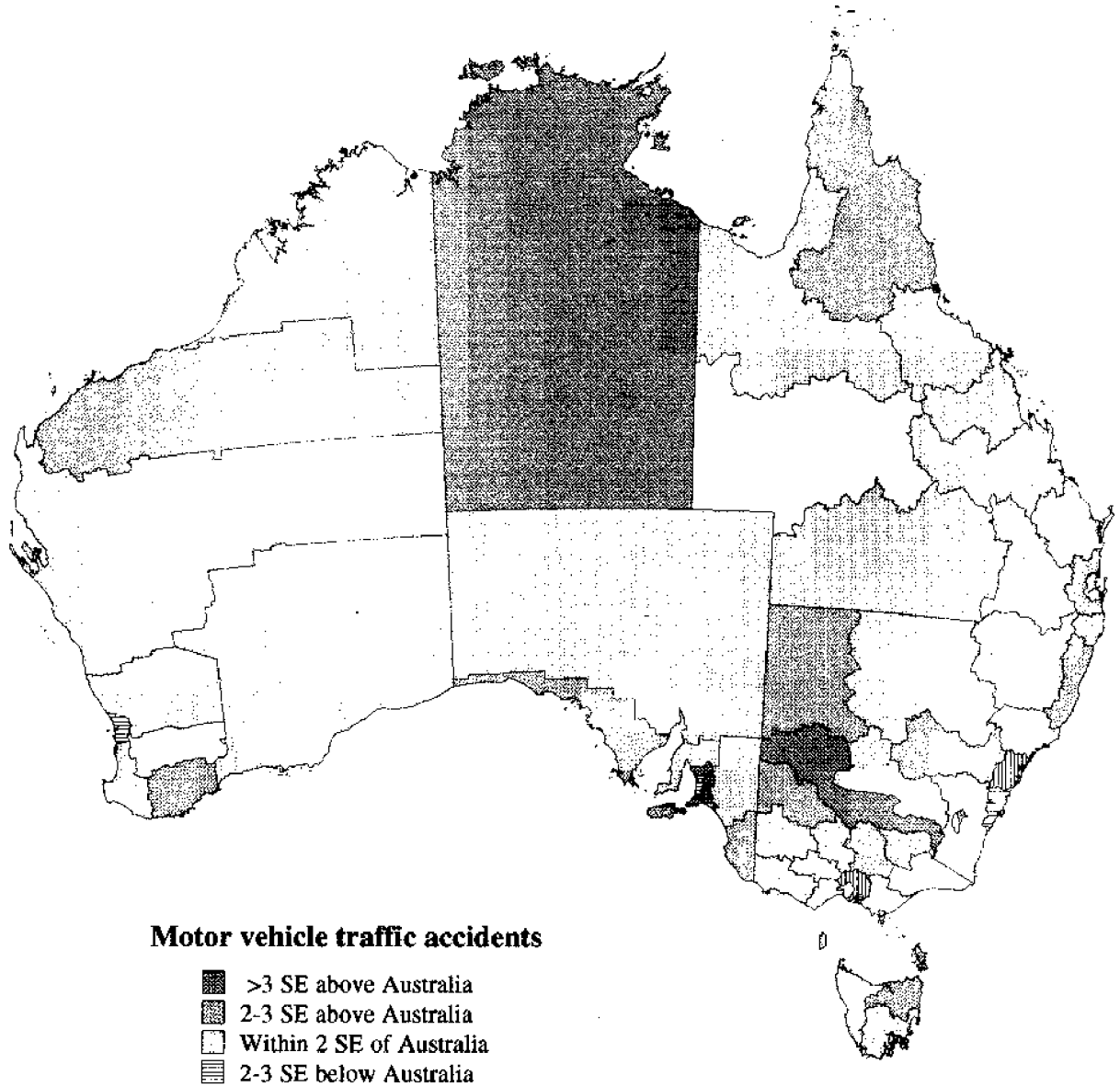


Figure 12.8 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

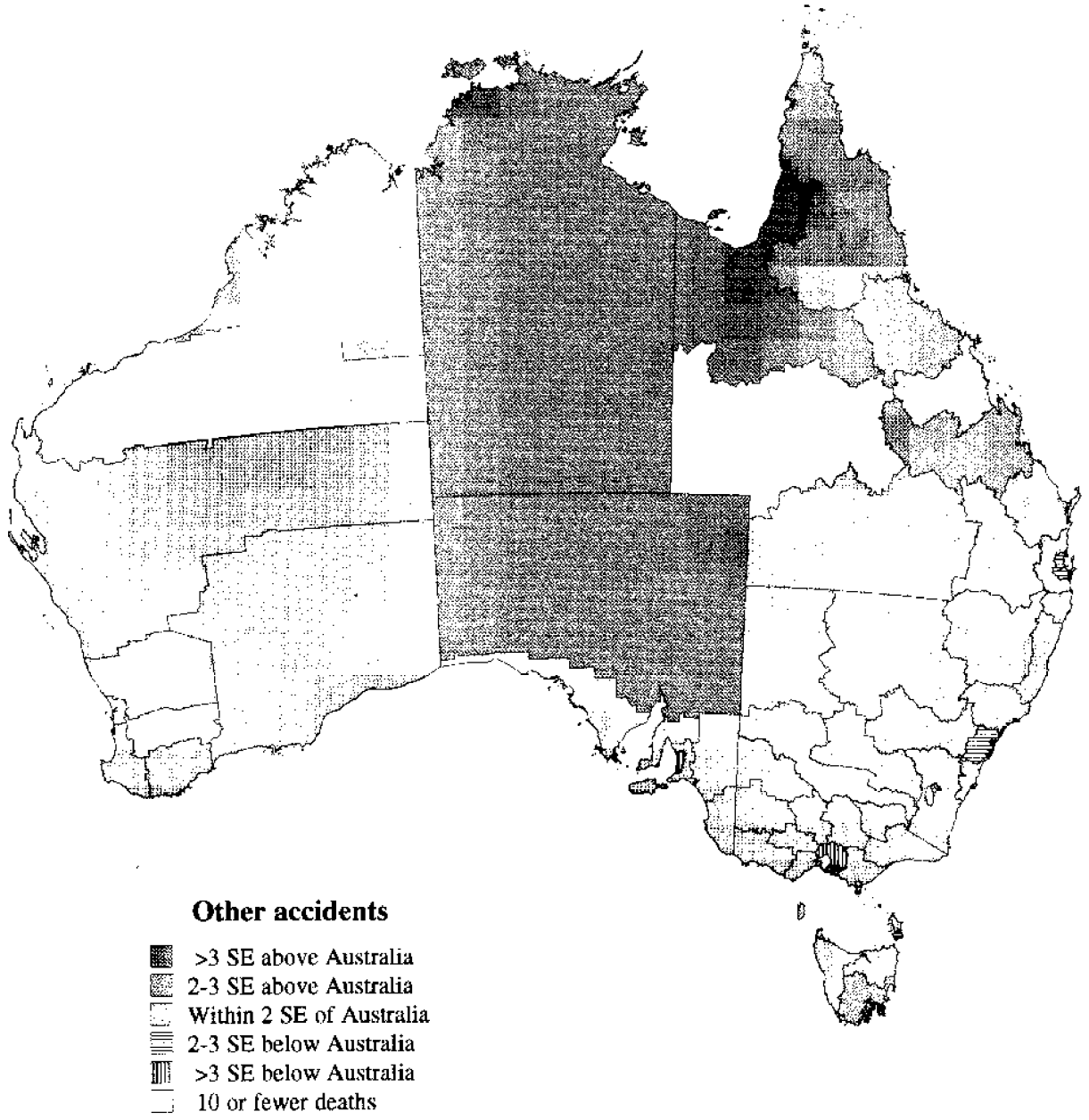


Figure 12.9 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

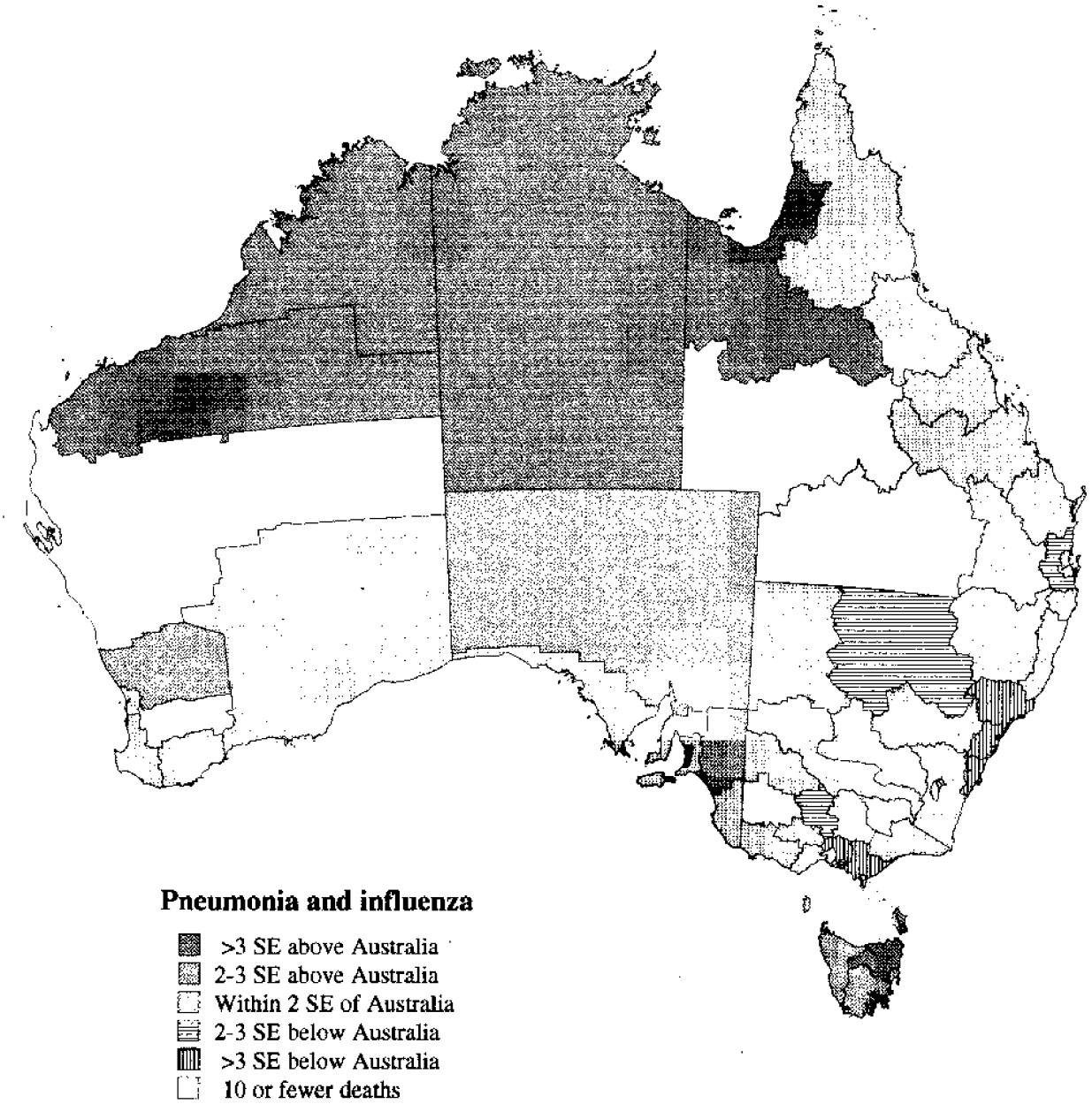


Figure 12.10 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

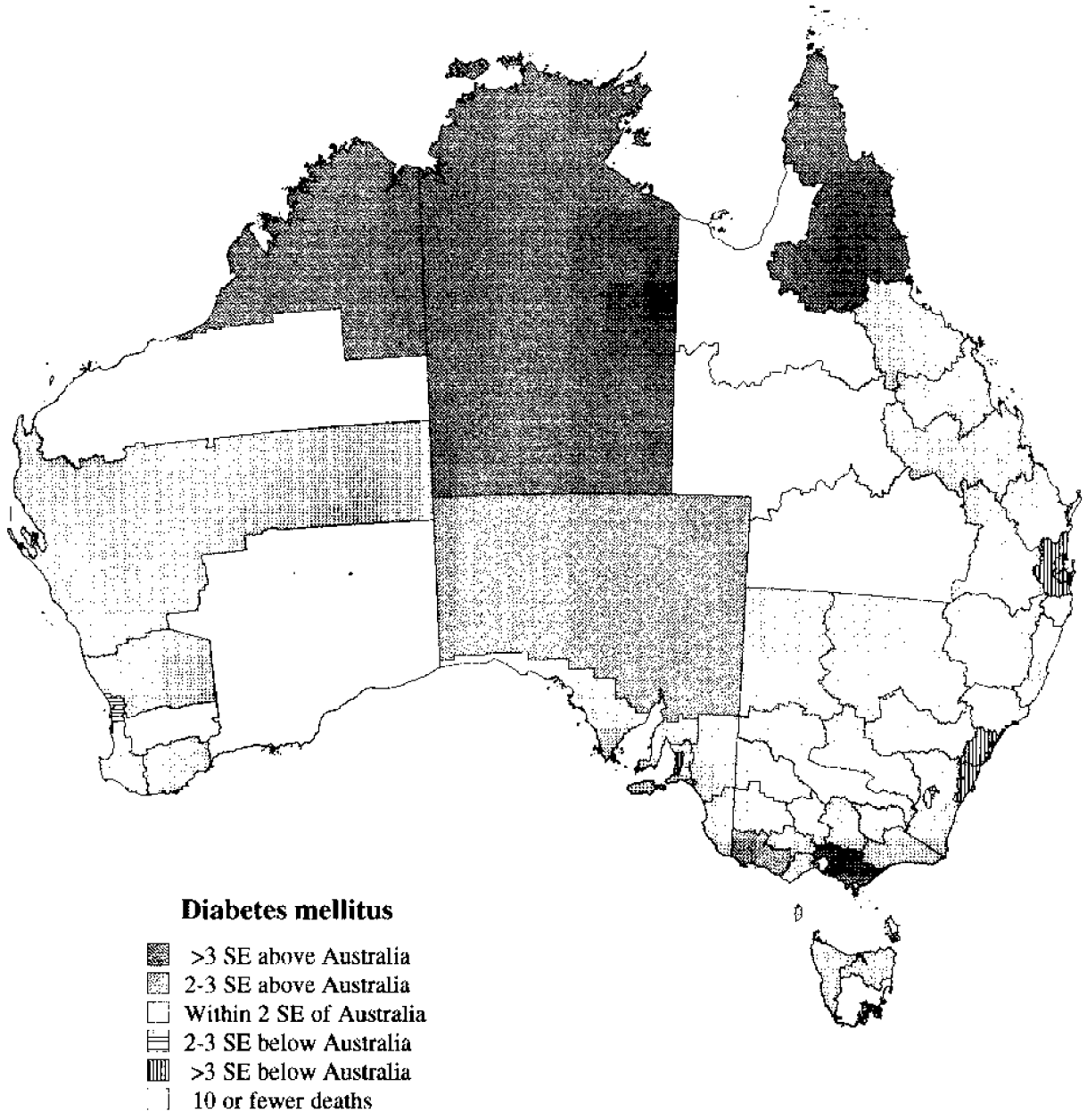


Figure 12.11 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

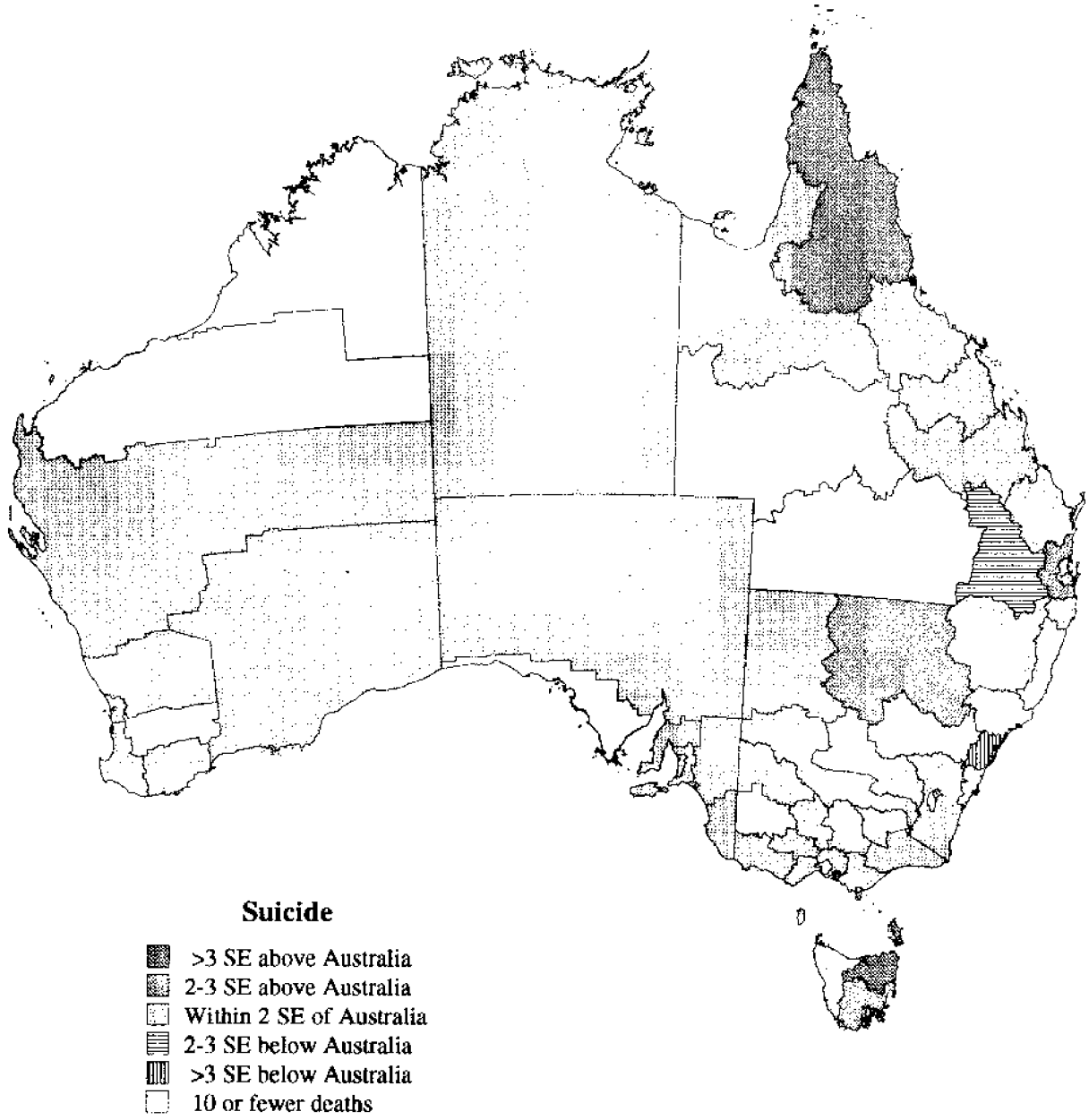


Figure 12.12 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

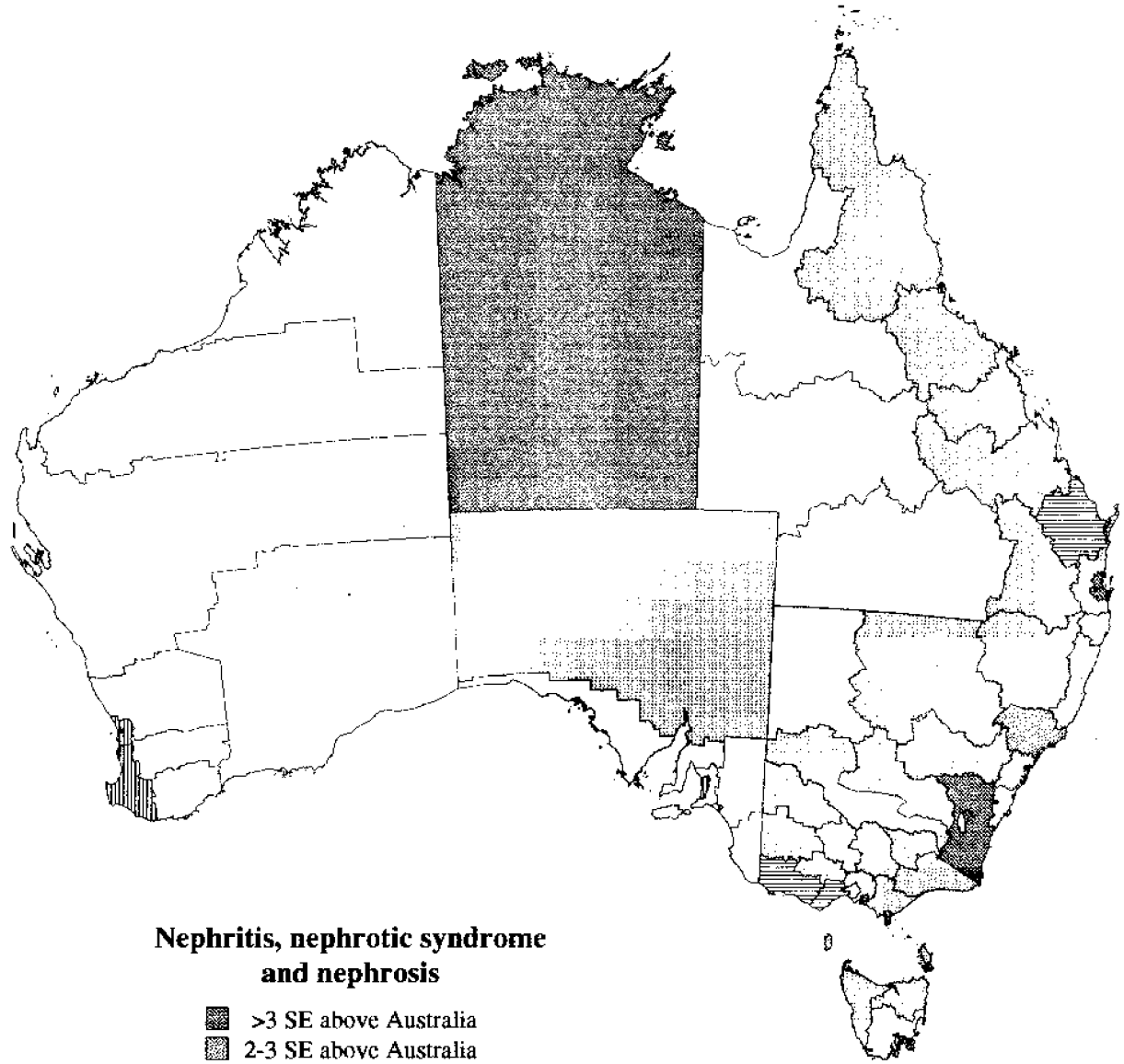


Figure 12.13 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92

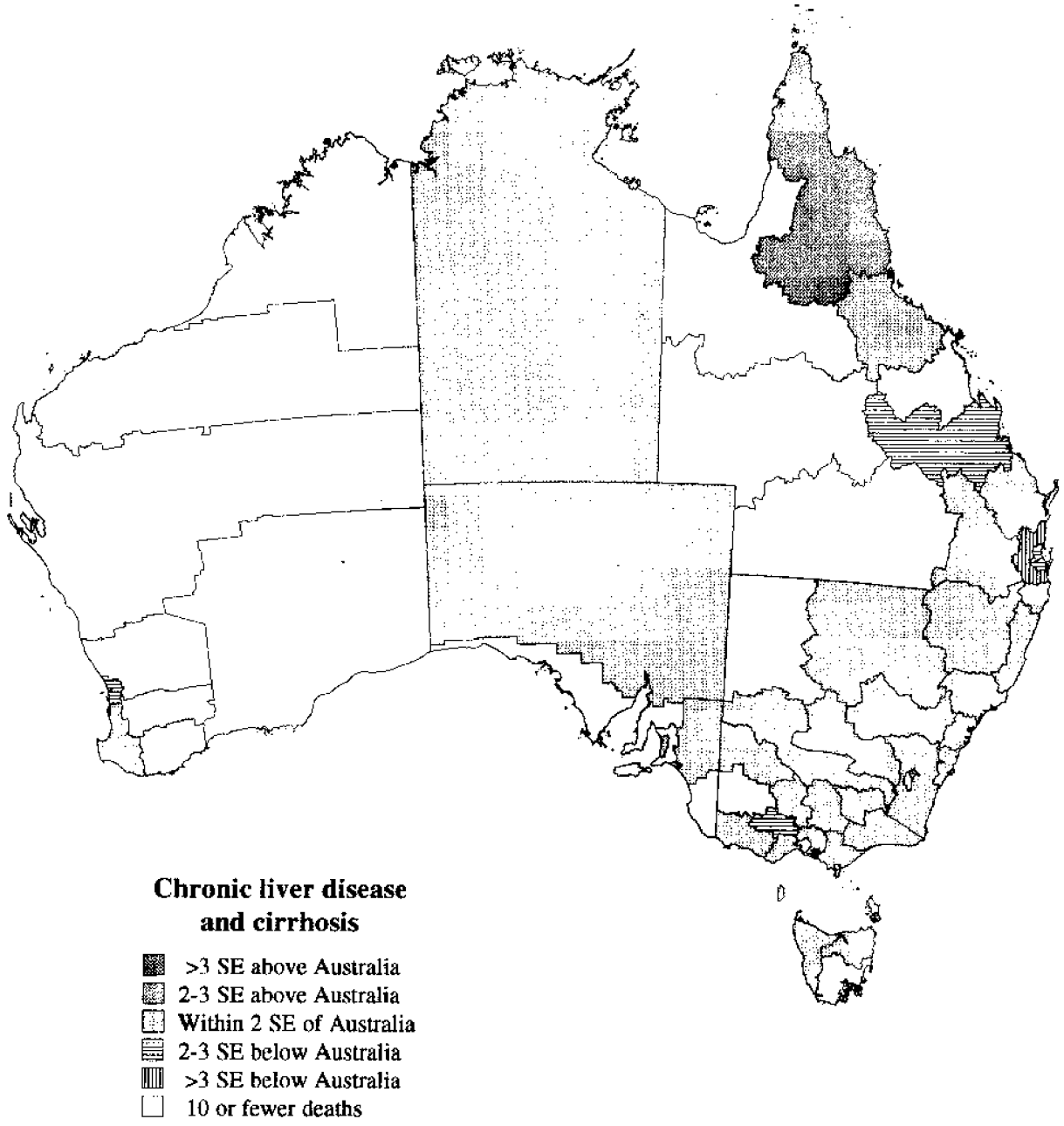
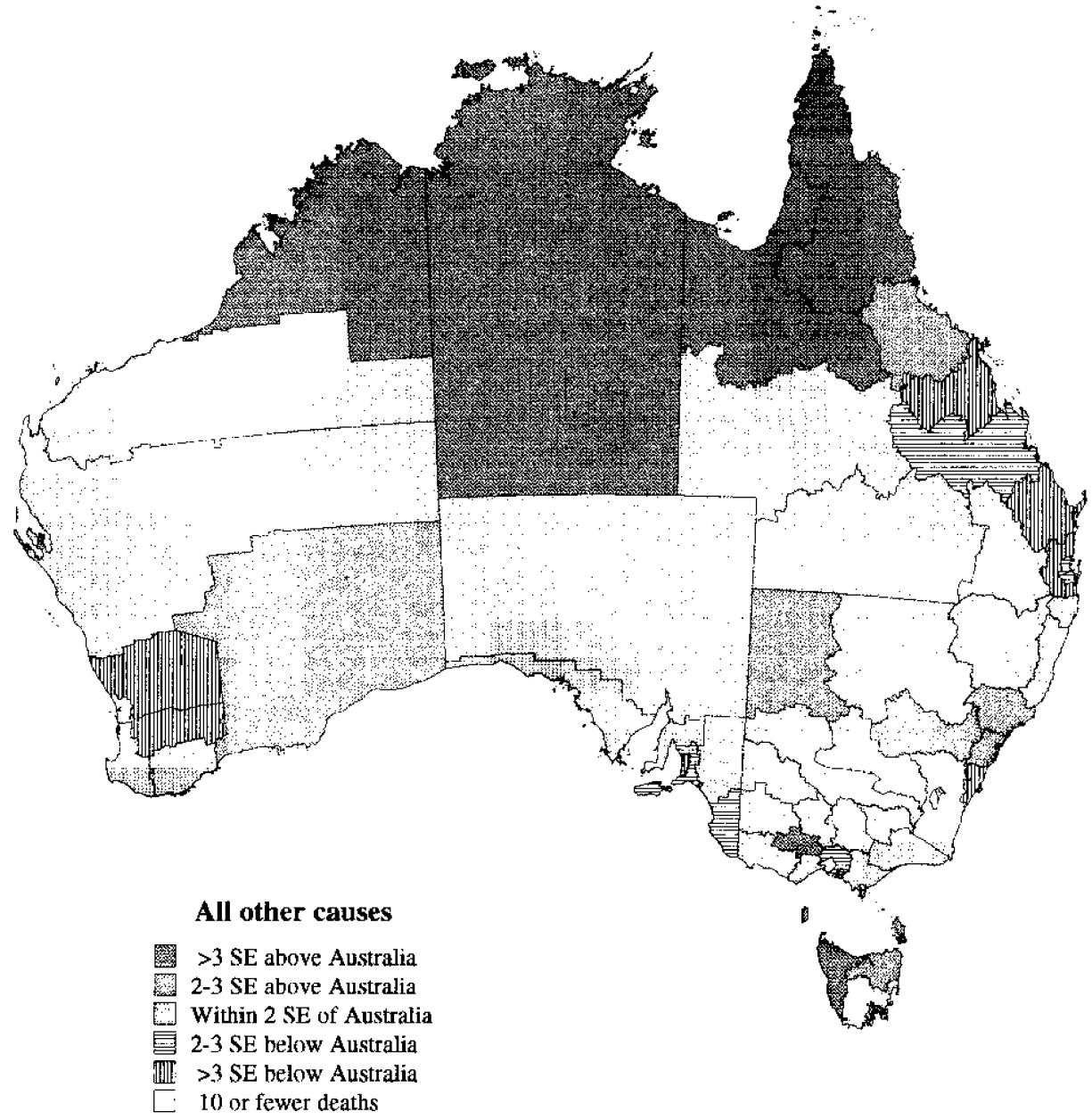


Figure 12.14 Comparison of the standardised mortality ratios

Statistical Divisions, Australia 1991-92



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APPENDIX I
CLASSIFICATION OF STATISTICAL DIVISIONS AND SUBDIVISIONS

Australian Standard Geographical Classification

(Digit 1 = State, 2-3 Statistical division, 4-5 Statistical subdivision, 6-9 Statistical local area).

1	NEW SOUTH WALES
105	SYDNEY
10505	Inner Sydney
105051100	Botany (M)
105054800	Leichhardt (M)
105055200	Marrickville (M)
105057070	South Sydney (C)
105057201	Sydney (C) - Inner
105057202	Sydney (C) - Remainder
10510	Eastern Suburbs
105106550	Randwick (M)
105108050	Waverley (M)
105108500	Woollahra (M)
10515	St George-Sutherland
105154150	Hurstville (C)
105154450	Kogarah (M)
105156650	Rockdale (M)
105157150	Sutherland (S)
10520	Canterbury-Bankstown
105200350	Bankstown (C)
105201550	Canterbury (M)
10525	Fairfield-Liverpool
105252850	Fairfield (C)
105254900	Liverpool (C)
10530	Outer South Western Sydney
105301450	Camden (M)
105301500	Campbelltown (C)
105308400	Wollondilly (S)
10535	Inner Western Sydney
105350150	Ashfield (M)
105351300	Burwood (M)
105351900	Concord (M)
105352550	Drummoyne (M)
105357100	Strathfield (M)
10540	Central Western Sydney
105400200	Auburn (M)
105403950	Holroyd (C)
105406250	Parramatta (C)
10545	Outer Western Sydney
105450900	Blue Mountains (C)
105453800	Hawkesbury (C)
105456350	Penrith (C)
10550	Blacktown-Baulkham Hills
105500500	Baulkham Hills (S)
105500750	Blacktown (C)
10555	Lower Northern Sydney
105554100	Hunter's Hill (M)
105554700	Lane Cove (M)
105555350	Mosman (M)
105555950	North Sydney (M)
105556700	Ryde (M)
105558250	Willoughby (C)
10560	Hornsby-Ku-ring-gai
105604000	Hornsby (S)
105604500	Ku-ring-gai (M)
10565	Manly-Warringah
105655150	Manly (M)
105658000	Warringah (S)
10570	Gosford-Wyong
105703100	Gosford (C)
105708550	Wyong (S)
110	HUNTER
11005	Newcastle
110051720	Cessnock (C)
110054650	Lake Macquarie (C)
110055050	Maitland (C)
110055901	Newcastle (C) - Inner
110055902	Newcastle (C) - Remainder
110056400	Port Stephens (S)
11010	Hunter SD Bal
110102700	Dungog (S)
110103050	Gloucester (S)
110103400	Great Lakes (S)
110105250	Merriwa (S)
110105600	Murrurundi (S)
110105650	Muswellbrook (S)
110106800	Scone (S)
110107000	Singleton (S)
115	ILLAWARRA
11505	Wollongong
115054400	Kiama (M)
115056900	Shellharbour (M)
115058450	Wollongong (C)
11510	Illawarra SD Bal
115106950	Shoalhaven (C)
115108350	Wingecarribee (S)
120	RICHMOND-TWEED
12005	Tweed Heads
120057551	Tweed (S) - Pt A
12010	Richmond-Tweed SD Bal
120100250	Ballina (S)
120101350	Byron (S)
120101650	Casino (M)
120104550	Kyogle (S)
120104850	Lismore (C)
120106600	Richmond River (S)
120107552	Tweed (S) - Pt B
125	MID-NORTH COAST
12505	Clarence
125050600	Bellingen (S)
125051800	Coffs Harbour (C)
125052250	Copmanhurst (S)
125053200	Grafton (C)
125055000	Maclean (S)
125055700	Nambucca (S)
125056050	Nymboida (S)
125057600	Ulmarra (S)
12510	Hastings
125103350	Greater Taree (C)
125103750	Hastings (M)
125104350	Kempsey (S)
125108859	Lord Howe Island
130	NORTHERN
13010	Northern Slopes
130100400	Barraba (S)
130100700	Bingara (S)
130103550	Gunnedah (S)
130104201	Inverell (S) - Pt A
130105100	Manilla (S)
130106000	Nundle (S)

Australian Standard Geographical Classification

(Digit 1 = State, 2-3 Statistical division, 4-5 Statistical subdivision, 6-9 Statistical local area).

130106300	Parry (S)
130106500	Quirindi (S)
130107300	Tamworth (C)
130108600	Yallaroi (S)
13015	Northern Tablelands
130150100	Armidale (C)
130152650	Dumaresq (S)
130153000	Glen Innes (M)
130153650	Guyra (S)
130154202	Inverell (S) - Pt B
130156850	Severn (S)
130157400	Tenterfield (S)
130157650	Uralla (S)
130157850	Walcha (S)
13020	North Central Plain
130205300	Moree Plains (S)
130205750	Narrabri (S)
135	NORTH WESTERN
13505	Central Macquarie
135051950	Coolah (S)
135052100	Coonabarabran (S)
135052600	Dubbo (C)
135052950	Gilgandra (S)
135055400	Mudgee (S)
135055850	Narromine (S)
135058150	Wellington (S)
13510	Macquarie-Barwon
135100950	Bogan (S)
135102150	Coonamble (S)
135107900	Walgett (S)
135107950	Warren (S)
13515	Upper Darling
135151150	Bourke (S)
135151200	Brewarrina (S)
135151750	Cobar (S)
140	CENTRAL WEST
14005	Bathurst-Orange
140050450	Bathurst (C)
140050851	Blayney (S) - Pt A
140051401	Cabonne (S) - Pt A
140052801	Evans (S) - Pt A
140056150	Orange (C)
14010	Central Tablelands (ex Bhurst/Ornge)
140100852	Blayney (S) - Pt B
140101402	Cabonne (S) - Pt B
140102802	Evans (S) - Pt B
140103300	Greater Lithgow (C)
140106100	Oberon (S)
140106750	Rylstone (S)
14015	Lachlan
140150800	Bland (S)
140151403	Cabonne (S) - Pt C
140152350	Cowra (S)
140152900	Forbes (S)
140154600	Lachlan (S)
140156200	Parkes (S)
140158100	Weddin (S)
145	SOUTH EASTERN
14505	Queanbeyan
145056450	Queanbeyan (C)
14510	Southern Tablelands (ex Q'beyan)
145101050	Boorowa (S)
145102400	Crookwell (S)
145103150	Goulburn (C)
145103600	Gunning (S)
145103700	Harden (S)
145105450	Mulwaree (S)
145107250	Tallaganda (S)
145108650	Yarrowlumla (S)
145108700	Yass (S)
145108750	Young (S)
14515	Lower South Coast
145150550	Bega Valley (S)
145152750	Eurobodalla (S)
14520	Snowy
145201000	Bombala (S)
145202050	Cooma-Monaro (S)
145207050	Snowy River (S)
150	MURRUMBIDGEE
15010	Central Murrumbidgee
150102000	Coolamon (S)
150102200	Cootamundra (S)
150103500	Gundagai (S)
150104300	Junee (S)
150104950	Lockhart (S)
150105800	Narrandera (S)
150107350	Temora (S)
150107500	Tumut (S)
150107750	Wagga Wagga (C)
15015	Lower Murrumbidgee
150151600	Carrathool (S)
150153450	Griffith (C)
150153850	Hay (S)
150154750	Leeton (S)
150155550	Murrumbidgee (S)
155	MURRAY
15505	Albury
155050050	Albury (C)
155054050	Hume (S)
15510	Upper Murray (excl. Albury)
155102300	Corowa (S)
155102450	Culcaim (S)
155103900	Holbrook (S)
155107450	Tumbarumba (S)
155107700	Urana (S)
15515	Central Murray
155150650	Berrigan (S)
155151850	Conargo (S)
155152500	Deniliquin (M)
155154250	Jerilderie (S)
155155500	Murray (S)
155157800	Wakool (S)
155158300	Windouran (S)
15520	Murray-Darling
155200300	Balranald (S)
155208200	Wentworth (S)
160	FAR WEST
16010	Far West
160101250	Broken Hill (C)
160101700	Central Darling (S)
160108809	Unincorp. Far West
185	OFF-SHORE AREAS & MIGRATORY
18501	Off-Shore Areas & Migratory
185019779	Off-Shore Areas & Migratory
2	VICTORIA
205	MELBOURNE
20505	Central Melbourne
205051960	Collingwood (C)
205052760	Fitzroy (C)
205054601	Melbourne (C) - Inner
205054602	Melbourne (C) - Remainder
205055840	Port Melbourne (C)
205055960	Prahran (C)
205056120	Richmond (C)

Australian Standard Geographical Classification

(Digit 1 = State, 2-3 Statistical division, 4-5 Statistical subdivision, 6-9 Statistical local area).

205056480	St Kilda (C)
205056880	South Melbourne (C)
20510	Western Inner Melbourne
205102680	Essendon (C)
205102840	Footscray (C)
205108080	Williamstown (C)
20515	Western Outer Melbourne
205150120	Altona (C)
205153680	Keilor (C)
205157080	Sunshine (C)
20520	Western Fringe Melbourne
205204640	Melton (S)
205208000	Werribee (C)
20525	Northern Inner Melbourne
205251280	Brunswick (C)
205251800	Coburg (C)
20530	Northern Middle Melbourne
205303400	Heidelberg (C)
205305400	Northcote (C)
205306000	Preston (C)
20535	Northern Fringe Melbourne
205351240	Broadmeadows (C)
205351320	Bulla (S)
20540	Northern Outer Melbourne
205402280	Diamond Valley (S)
205402640	Eltham (S)
205408040	Whittlesea (C)
20545	Eastern Inner Melbourne
205451480	Camberwell (C)
205453320	Hawthorn (C)
205453800	Kew (C)
20550	Eastern Middle Melbourne
205501080	Box Hill (C)
205502400	Doncaster & Templestowe (C)
205507960	Waverley (C)
20555	Eastern Outer Melbourne
205552120	Croydon (C)
205553880	Knox (C)
205555480	Nunawading (C)
205556160	Ringwood (C)
20560	Eastern Fringe Melbourne
205603360	Healesville (S)
205604240	Lillydale (S)
205606760	Sherbrooke (S)
205607521	Upper Yarra (S) - Pt A
20565	Southern Inner Melbourne
205651160	Brighton (C)
205651600	Caulfield (C)
205654440	Malvern (C)
205656560	Sandringham (C)
20570	Southern Outer Melbourne
205704920	Moorabbin (C)
205704960	Mordialloc (C)
205705520	Oakleigh (C)
20575	South Eastern Inner Melbourne
205752160	Dandenong (C)
205756920	Springvale (C)
20580	South Eastern Outer Melbourne
205800960	Berwick (C)
205802040	Cranbourne (S)
205805720	Pakenham (S)
20585	Mornington Peninsula Inner
205851680	Chelsea (C)
205852880	Frankston (C)
20590	Mornington Peninsula Outer
205902800	Flinders (S)
205903280	Hastings (S)
205905000	Mornington (S)
210	BARWON
21005	Geelong
210050601	Bannockburn (S) - Pt A
210050641	Barrabool (S) - Pt A
210050801	Bellarine (RC) - Pt A
210052001	Corio (S) - Pt A
210052920	Geelong (C)
210052960	Geelong West (C)
210055360	Newtown (C)
210056801	South Barwon (C) - Pt A
21010	East Barwon
210100642	Barrabool (S) - Pt B
210100802	Bellarine (RC) - Pt B
210106080	Queenscliffe (B)
210106802	South Barwon (C) - Pt B
21015	West Barwon
210150602	Bannockburn (S) - Pt B
210151880	Colac (C)
210151920	Colac (S)
210152002	Corio (S) - Pt B
210154160	Leigh (S)
210155640	Otway (S)
210158160	Winchelsea (S)
215	WESTERN DISTRICT
21505	Hopkins
215050760	Belfast (S)
215051520	Camperdown (T)
215053240	Hampden (S)
215053440	Heytesbury (S)
215055040	Mortlake (S)
215055800	Port Fairy (B)
215057880	Warrnambool (C)
215057920	Warrnambool (S)
215058569	Lady Julia Percy & Towerhill
21510	Glenelg
215102440	Dundas (S)
215103040	Glenelg (S)
215103200	Hamilton (C)
215103460	Heywood (S)
215104800	Minhamite (S)
215105120	Mount Rouse (S)
215105880	Portland (C)
215107720	Wannon (S)
220	CENTRAL HIGHLANDS
22005	Ballarat
220050480	Ballaarat (C)
220050561	Ballarat (S) - Pt A
220051401	Bungaree (S) - Pt A
220051441	Buninyong (S) - Pt A
220053161	Grenville (S) - Pt A
220056600	Sebastopol (B)
22010	East Central Highlands
220100360	Bacchus Marsh (S)
220100520	Ballan (S)
220101402	Bungaree (S) - Pt B
220101442	Buninyong (S) - Pt B
220102080	Creswick (S)
220102200	Daylesford & Glenlyon (S)
22015	West Central Highlands
220150200	Ararat (C)
220150240	Ararat (S)
220150280	Avoca (S)
220150562	Ballarat (S) - Pt B
220153162	Grenville (S) - Pt B
220154200	Lexton (S)
220156200	Ripon (S)

Australian Standard Geographical Classification

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220157200	Talbot & Clunes (S)
225	WIMMERA
22505	South Wimmera
225050160	Arapiles (S)
225053480	Horsham (C)
225053600	Kara Kara (S)
225054040	Kowree (S)
225056440	St Arnaud (T)
225056960	Stawell (C)
225057000	Stawell (S)
225058120	Wimmera (S)
22510	North Wimmera
225102320	Dimboola (S)
225102360	Donald (S)
225102480	Dunmunkle (S)
225103560	Kaniva (S)
225104280	Lowan (S)
225107800	Warracknabeal (S)
230	MALLEE
23005	Mildura
230054720	Mildura (C)
230054761	Mildura (S) - Pt A
23010	West Mallee
230101040	Birchip (S)
230103640	Karkarooc (S)
230104762	Mildura (S) - Pt B
230107600	Walpeup (S)
230108320	Wycheproof (S)
23015	East Mallee
230153720	Kerang (B)
230153760	Kerang (S)
230157120	Swan Hill (C)
230157160	Swan Hill (S)
235	LODDON-CAMPASPE
23505	Bendigo
235050920	Bendigo (C)
235052520	Eaglehawk (B)
235053521	Huntly (S) - Pt A
235054521	Marong (RC) - Pt A
235057041	Strathfieldsaye (S) - Pt A
23510	Northern Loddon-Campaspe
235101640	Charlton (S)
235101840	Coluna (S)
235102560	East Loddon (S)
235102600	Echuca (C)
235103080	Gordon (S)
235103960	Korong (S)
235106240	Rochester (S)
23515	Central Loddon-Campaspe
235151000	Bet Bet (S)
235151560	Castlemaine (C)
235153522	Huntly (S) - Pt B
235154320	McIvor (S)
235154400	Maldon (S)
235154522	Marong (RC) - Pt B
235154560	Maryborough (C)
235154680	Metcalfe (S)
235155320	Newstead (S)
235157042	Strathfieldsaye (S) - Pt B
235157400	Tullaroop (S)
23520	South Loddon-Campaspe
235203000	Gisborne (S)
235204120	Kyneton (S)
235205280	Newham & Woodend (S)
235206040	Pyalong (S)
235206320	Romsey (S)
240	GOULBURN
24005	Shepparton-Mooroopna
240056281	Rodney (S) - Pt A
240056680	Shepparton (C)
240056721	Shepparton (S) - Pt A
24010	North Goulburn
240101760	Cobram (S)
240102240	Deakin (S)
240104080	Kyabram (T)
240105240	Nathalia (S)
240105440	Numurkah (S)
240106282	Rodney (S) - Pt B
240106722	Shepparton (S) - Pt B
240107440	Tungamah (S)
240107760	Waranga (S)
24015	South Goulburn
240150080	Alexandra (S)
240150840	Benalla (C)
240150880	Benalla (S)
240152720	Euroa (S)
240153120	Goulburn (S)
240154480	Mansfield (S)
240157560	Violet Town (S)
24020	South West Goulburn
240201200	Broadford (S)
240203840	Kilmore (S)
240206640	Seymour (S)
240208480	Yea (S)
245	OVENS-MURRAY
24505	Wodonga
245050720	Beechworth (S)
245051720	Chiltern (S)
245057241	Tallangatta (S) - Pt A
245058200	Wodonga (RC)
245058360	Yackandandah (S)
24510	North Ovens-Murray
245106400	Rutherglen (S)
245107640	Wangaratta (C)
245107680	Wangaratta (S)
245108440	Yarrawonga (S)
24515	South Ovens-Murray
245151120	Bright (S)
245155160	Myrtleford (S)
245155680	Oxley (S)
245157242	Tallangatta (S) - Pt B
245157480	Upper Murray (S)
250	EAST GIPPSLAND
25005	Gippsland Lakes
250050400	Bairnsdale (C)
250050441	Bairnsdale (S) - Pt A
250057281	Tambo (S) - Pt A
25010	Mitchell-Snowy
250100442	Bairnsdale (S) - Pt B
250105560	Omeo (S)
250105600	Orbost (S)
250107282	Tambo (S) - Pt B
25015	Macalister-Avon
250150320	Avon (S)
250154360	Maffra (S)
250156520	Sale (C)
255	GIPPSLAND
25505	Latrobe Valley
255054880	Moe (C)
255055081	Morwell (C) - Pt A
255055201	Narracan (S) - Pt A
255057320	Traralgon (C)
255057361	Traralgon (S) - Pt A

Australian Standard Geographical Classification

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255058509	Yalloum Works Area
25510	West Gippsland
255101360	Buln Buln (S)
255105202	Narracan (S) - Pt B
255107522	Upper Yarra (S) - Pt B
255107840	Warragul (S)
25515	Strzlecki
255150040	Alberton (S)
255154840	Mirboo (S)
255155082	Morwell (C) - Pt B
255156360	Rosedale (S)
255157362	Traralgon (S) - Pt B
25520	South Gippsland
255200680	Bass (S)
255204000	Korumburra (S)
255205760	Phillip Island (S)
255206840	South Gippsland (S)
255208240	Wonthaggi (B)
255208280	Woorayl (S)
255208529	French Island
255208649	Bass Strait Islands
285	OFF-SHORE AREAS & MIGRATORY
28501	Off-Shore Areas & Migratory
285019779	Off-Shore Areas & Migratory
3	QUEENSLAND
305	BRISBANE
30505	Brisbane City
305051001	Acacia Ridge
305051004	Albion
305051007	Alderley
305051012	Algester
305051015	Annerley
305051018	Anstead (incl. Moggill SF)
305051023	Archerfield
305051026	Ascot
305051031	Ashgrove
305051034	Aspley
305051037	Bald Hills
305051042	Balmoral
305051045	Banyo
305051048	Bardon
305051053	Bellbowrie
305051057	Belmont-Mackenzie
305051061	Berrinba
305051064	Boondall
305051067	Bowen Hills
305051072	Bracken Ridge
305051075	Bridgeman Downs
305051078	Brighton
305051083	Brookfield (incl. Mt C'tha Pk)
305051086	Bulimba
305051091	Burbank
305051094	Calamvale
305051097	Camp Hill
305051102	Cannon Hill
305051105	Capalaba West
305051108	Carindale
305051113	Carina
305051116	Carina Heights
305051121	Carseldine
305051124	Chandler
305051127	Chapel Hill
305051132	Chelmer
305051135	Chermside
305051138	Chermside West
305051143	City - Inner
305051146	City - Remainder
305051151	Clayfield
305051154	Coopers Plains
305051157	Coorparoo
305051162	Corinda
305051167	Darra-Sumner
305051173	Deagon
305051176	Doolandella
305051184	Durack
305051187	Dutton Park
305051195	East Brisbane
305051198	Eight Mile Plains
305051203	Ellen Grove
305051206	Enoggera (incl. Mltry Camp)
305051211	Everton Park
305051214	Fairfield
305051217	Ferny Grove
305051222	Fig Tree Pocket
305051228	Fortitude Valley - Inner
305051233	Fortitude Valley - Remainder
305051236	Geebung
305051241	Graceville
305051244	Grange
305051247	Greenslopes
305051252	Gumdale
305051255	Hamilton
305051258	Hawthorne
305051265	Hemmant-Lytton
305051271	Hendra
305051274	Herston
305051277	Highgate Hill
305051282	Holland Park
305051285	Holland Park West
305051288	Inala
305051293	Indooroopilly
305051296	Jamboree Heights
305051301	Jindalee
305051304	Kangaroo Point
305051307	Karawatha
305051312	Kedron
305051315	Kelvin Grove
305051318	Kenmore
305051323	Kenmore Hills
305051326	Keperra
305051331	Kuraby
305051337	Lota
305051345	Lutwyche
305051353	McDowall
305051356	MacGregor
305051364	Manly
305051367	Manly West
305051372	Mansfield
305051375	Middle Park
305051378	Milton
305051383	Mitchelton
305051386	Moggill
305051391	Moorooka
305051394	Moreton Island
305051397	Morningside
305051402	Mount Gravatt
305051405	Mount Gravatt East
305051408	Mount Ommaney
305051413	Murarrie
305051416	Nathan
305051421	New Farm
305051424	Newmarket
305051427	Newstead
305051432	Norman Park

Australian Standard Geographical Classification

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305051435	Northgate
305051438	Nudgee
305051443	Nudgee Beach
305051446	Nundah
305051451	Oxley
305051454	Paddington
305051456	Pallara-Heathwood-Larapinta
305051463	Parkinson-Drewvale
305051465	Pinjarra Hills
305051467	Pinkenba-Eagle Farm
305051473	Pullenvale
305051476	Ransome
305051481	Red Hill
305051484	Richlands
305051487	Riverhills
305051492	Robertson
305051495	Rochedale
305051498	Rocklea
305051503	Runcorn
305051506	St Lucia
305051511	Salisbury
305051514	Sandgate
305051517	Seventeen Mile Rocks
305051522	Sherwood
305051525	South Brisbane
305051528	Spring Hill
305051533	Stafford
305051536	Stafford Heights
305051541	Stretton
305051547	Sunnybank
305051552	Sunnybank Hills
305051556	Taigum-Fitzgibbon
305051558	Taringa
305051563	Tarragindi
305051566	The Gap (incl. Enoggera SF)
305051571	Tingalpa
305051574	Toowong
305051577	Underwood - Pt A
305051582	Upper Brookfield
305051585	Upper Kedron
305051588	Upper Mount Gravatt
305051593	Virginia
305051596	Wacol
305051601	Wakerley
305051604	Wavell Heights
305051607	West End
305051612	Westlake
305051615	Willawong
305051618	Wilston
305051623	Windsor
305051626	Wishart
305051631	Woolloongabba
305051634	Wooloowin
305051637	Wynnum
305051642	Wynnum West
305051645	Yeerongpilly
305051648	Yeronga
305051653	Zillmere
30510	Albert Shire Part A
305100051	Beenleigh
305100053	Bethania-Waterford
305100055	Eagleby
305100058	Edens Landing-Holmview
305100061	Mt Warren Park
305100063	Windaroo-Bannockburn
305100064	Albert (S) Bal in BSD
30515	Beaudesert Shire Part A
305150551	Greenbank - Pt A
305150554	Beaudesert (S) Bal in BSD
30520	Caboolture Shire Part A
305202001	Caboolture (S) - Pt A
30525	Ipswich-Moreton Shire Part A
305253950	Ipswich (C)
305255202	Bellbird Park
305255203	Camira
305255204	Carole Park
305255207	Karalee
305255214	Moreton (S) Bal in BSD - Nth
305255217	Moreton (S) Bal in BSD - Sth
30530	Logan City
305304601	Browns Plains
305304603	Carbrook-Cornubia
305304605	Daisy Hill-Priestdale
305304608	Greenbank - Pt B
305304612	Kingston
305304615	Loganholme
305304618	Loganlea
305304623	Marsden
305304631	Rochedale South
305304634	Shailer Park
305304637	Slacks Creek
305304642	Springwood
305304645	Tanah Merah
305304648	Underwood - Pt B
305304654	Waterford West
305304656	Woodridge
305304663	Logan (C) Bal
30540	Pine Rivers Shire
305405951	Albany Creek
305405954	Arana Hills
305405957	Bray Park
305405962	Everton Hills
305405965	Ferny Hills
305405968	Kallangur
305405973	Lawnton
305405974	Petrie
305405976	Strathpine
305405983	Pine Rivers (S) Bal
30545	Redcliffe City
305456200	Redcliffe (C)
30550	Redland Shire
305506251	Alexandra Hills
305506254	Birkdale
305506257	Capalaba
305506262	Cleveland
305506264	Ormiston
305506265	Redland Bay
305506267	Sheldon-Mt Cotton
305506268	Thorneside
305506271	Thornlands
305506273	Victoria Point
305506276	Wellington Point
305506283	Redland (S) Bal
310	MORETON
31005	Gold Coast City
310053452	Arundel
310053453	Ashmore
310053454	Benowa
310053457	Biggera Waters
310053458	Bilinga
310053462	Broadbeach
310053465	Bundall
310053468	Burleigh Heads
310053472	Coolangatta

Australian Standard Geographical Classification

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310053473	Coombabah
310053474	Currumbin
310053478	Ernest-Molendinar
310053482	Hollywell
310053483	Labrador
310053485	Main Beach-Broadwater
310053486	Mermaid Beach
310053488	Miami
310053491	Palm Beach
310053492	Paradise Point
310053493	Parkwood
310053495	Runaway Bay
310053498	Southport
310053503	Surfers Paradise
310053506	Tugun
31010	Albert Shire Part B
310100065	Broadbeach Waters
310100067	Burleigh Waters
310100072	Carrara-Merrimac
310100074	Currumbin Waters
310100077	Elanora
310100082	Helensvale
310100083	Hope Island
310100086	Kerrydale-Stephens
310100088	Mermaid Waters
310100091	Mudgeeraba
310100093	Nerang
310100094	Oxenford
310100096	Robina-Clear Island Waters
310100097	Worongary-Tallai
310100098	Albert (S) - Pt B Bal
31015	Sunshine Coast
310152131	Caloundra (C) - Pt A
310154901	Maroochy (S) - Pt A
310155751	Noosa (S) - Pt A
31020	Moreton SD Bal
310200557	Beaudesert (S) - Pt B
310200800	Boonah (S)
310202031	Caboolture (S) - Pt B
310202134	Caloundra (C) - Pt B
310203050	Esk (S)
310203250	Gatton (S)
310204250	Kilcoy (S)
310204450	Laidley (S)
310204904	Maroochy (S) - Pt B
310205231	Moreton (S) - Pt B
310205754	Noosa (S) - Pt B
315	WIDE BAY-BURNETT
31505	Bundaberg
315051800	Bundaberg (C)
315053551	Gooburrum (S) - Pt A
315057551	Woongarra (S) - Pt A
31510	Wide Bay-Burnett SD Bal
315100700	Biggenden (S)
315102950	Eidsvold (S)
315103300	Gayndah (S)
315103554	Gooburrum (S) - Pt B
315103650	Gympie (C)
315103750	Hervey Bay (C)
315104000	Isis (S)
315104300	Kilkivan (S)
315104350	Kingaroy (S)
315104400	Kolan (S)
315104950	Maryborough (C)
315105100	Miriam Vale (S)
315105150	Monto (S)
315105450	Mundubbera (S)
315105500	Murgon (S)
315105650	Nanango (S)
315105900	Perry (S)
315106850	Tiaro (S)
315107350	Widgee (S)
315107450	Wondai (S)
315107500	Woocoo (S)
315107554	Woongarra (S) - Pt B
320	DARLING DOWNS
32005	Darling Downs
320050100	Allora (S)
320052150	Cambooya (S)
320052350	Chinchilla (S)
320052400	Clifton (S)
320052550	Crow's Nest (S)
320052650	Dalby (T)
320053400	Glengallan (S)
320053600	Goondiwindi (T)
320053900	Inglewood (S)
320054200	Jondaryan (S)
320055000	Millmerran (S)
320055550	Murilla (S)
320056050	Pittsworth (S)
320056450	Rosalie (S)
320056500	Rosenthal (S)
320056600	Stanthorpe (S)
320056700	Tara (S)
320056750	Taroom (S)
320056900	Toowoomba (C)
320057100	Waggamba (S)
320057150	Wambo (S)
320057250	Warwick (C)
325	SOUTH WEST
32505	South West
325050300	Balonne (S)
325050650	Bendemere (S)
325050850	Booringa (S)
325051750	Bulloo (S)
325051850	Bungil (S)
325055600	Murweh (S)
325055800	Paroo (S)
325056150	Quilpie (S)
325056400	Roma (T)
325057200	Warroo (S)
330	FITZROY
33005	Rockhampton
330053151	Fitzroy (S) - Pt A
330056350	Rockhampton (C)
33010	Gladstone
330102101	Calliope (S) - Pt A
330103350	Gladstone (C)
33015	Fitzroy SD Bal
330150350	Banana (S)
330150500	Bauhinia (S)
330152104	Calliope (S) - Pt B
330152850	Duaringa (S)
330153000	Emerald (S)
330153154	Fitzroy (S) - Pt B
330154100	Jericho (S)
330154550	Livingstone (S)
330155350	Mount Morgan (S)
330155850	Peak Downs (S)
335	CENTRAL WEST
33505	Central West
335050150	Aramac (S)
335050400	Barcaldine (S)
335050450	Barcoo (S)

Australian Standard Geographical Classification

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335050750	Blackall (S)
335050900	Boulia (S)
335052750	Diamantina (S)
335053850	Ilfracombe (S)
335054050	Isisford (S)
335054700	Longreach (S)
335056650	Tambo (S)
335057400	Winton (S)
340	MACKAY
34005	Mackay
340054750	Mackay (C)
340056001	Pioneer (S) - Pt A
34010	Mackay SD Bal
340100600	Belyando (S)
340101700	Broadsound (S)
340105050	Mirani (S)
340105700	Nebo (S)
340106004	Pioneer (S) - Pt B
340106550	Sarina (S)
340107330	Whitsunday (S)
345	NORTHERN
34505	Townsville City
345057001	Aitkenvale
345057003	City
345057007	Cranbrook
345057012	Currajong
345057014	Douglas
345057015	Garbutt
345057018	Gulliver
345057023	Heatley
345057026	Hermit Park
345057027	Hyde Park-Mysterton
345057031	Magnetic Island
345057033	Mt Louisa-Mt St John-Bohle
345057034	Mundingburra
345057038	Murray
345057041	North Ward-Castle Hill
345057044	Oonoonba-Idalia-Cluden
345057047	Pallarenda-Shelley Beach
345057051	Pimlico
345057054	Railway Estate
345057058	Rosslea
345057062	Rowes Bay-Belgian Gardens
345057065	South Townsville
345057068	Stuart-Roseneath
345057071	Vincent
345057074	West End
345057078	Wulguru
345057081	Townsville (C) Bal
34510	Thuringowa City Part A
345106801	Kelso
345106804	Kirwan
345106807	Thuringowa (C) - Pt A Bal
34515	Northern SD Bal
345150950	Bowen (S)
345151900	Burdekin (S)
345152300	Charters Towers (C)
345152700	Dalrymple (S)
345153800	Hinchinbrook (S)
345156831	Thuringowa (C) - Pt B
350	FAR NORTH
35005	Cairns
350052050	Cairns (C)
350055401	Mulgrave (S) - Pt A
35010	Far North SD Bal
350100200	Atherton (S)
350100250	Aurukun (S)
350102200	Cardwell (S)
350102501	Cook (S) (excl. Weipa)
350102504	Cook (S) - Weipa only
350102600	Croydon (S)
350102800	Douglas (S)
350102900	Eacham (S)
350103100	Etheridge (S)
350103700	Herberton (S)
350104150	Johnstone (S)
350104850	Mareeba (S)
350105404	Mulgrave (S) - Pt B
350106950	Torres (S)
355	NORTH WEST
35505	North West
355051950	Burke (S)
355052250	Carpentaria (S)
355052450	Cloncurry (S)
355053200	Flinders (S)
355054800	McKinlay (S)
355055250	Mornington (S)
355055300	Mount Isa (C)
355056300	Richmond (S)
355058809	Unincorp. Islands
385	OFF-SHORE AREAS & MIGRATORY
38501	Off-Shore Areas & Migratory
385019779	Off-Shore Areas & Migratory
4	SOUTH AUSTRALIA
405	ADELAIDE
40505	Northern
405051680	Elizabeth (C)
405051821	Enfield (C) - Pt A
405052030	Gawler (M)
405054900	Munno Para (C)
405057140	Salisbury (C)
405057700	Tea Tree Gully (C)
40510	Western
405101822	Enfield (C) - Pt B
405102590	Henley & Grange (C)
405102660	Hindmarsh (M)
405106020	Port Adelaide (C)
405107770	Thebarton (M)
405108470	West Torrens (C)
405108680	Woodville (C)
405108899	Unincorp. Western
40515	Eastern
405150070	Adelaide (C)
405150700	Burnside (C)
405150910	Campbelltown (C)
405151610	East Torrens (DC)
405153150	Kensington & Norwood (C)
405155530	Payneham (C)
405156510	Prospect (C)
405157070	St Peters (M)
405157350	Stirling (DC)
405157980	Unley (C)
405158260	Walkerville (M)
40520	Southern
405200560	Brighton (C)
405202240	Glenelg (C)
405202450	Happy Valley (C)
405204060	Marion (C)
405204340	Mitcham (C)
405205250	Noarlunga (C)
405208610	Willunga (DC)
410	OUTER ADELAIDE
41005	Barossa
410050140	Angaston (DC)

Australian Standard Geographical Classification

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410050280	Barossa (DC)
410052310	Gumeracha (DC)
410053010	Kapunda (DC)
410053640	Light (DC)
410053920	Mallala (DC)
410054760	Mount Pleasant (DC)
410057560	Tanunda (DC)
41010	Kangaroo Island
410101540	Dudley (DC)
410103290	Kingscote (DC)
41015	Onkaparinga
410154550	Mount Barker (DC)
410155320	Onkaparinga (DC)
41020	Fleurieu
410206230	Port Elliot & Goolwa (DC)
410207420	Strathalbyn (DC)
410208050	Victor Harbor (DC)
410208750	Yankalilla (DC)
415	YORKE AND LOWER NORTH
41505	Yorke
415050840	Bute (DC)
415051040	Central Yorke Peninsula (DC)
415054270	Minlaton (DC)
415055280	Northern Yorke Peninsula (DC)
415056160	Port Broughton (DC)
415058330	Wallaroo (M)
415058400	Warooka (DC)
415058820	Yorketown (DC)
415058969	Unincorp. Yorke
41510	Lower North
415100510	Blyth-Snowtown (DC)
415100770	Burra Burra (DC)
415101120	Clare (DC)
415101890	Eudunda (DC)
415106790	Riverton (DC)
415106930	Robertstown (DC)
415107000	Saddleworth & Auburn (DC)
415107280	Spalding (DC)
415108190	Wakefield Plains (DC)
420	MURRAY LANDS
42005	Riverland
420050210	Barmera (DC)
420050420	Berri (DC)
420050630	Browns Well (DC)
420053780	Loxton (DC)
420054480	Morgan (DC)
420055460	Paringa (DC)
420056650	Renmark (M)
420057840	Truro (DC)
420058120	Waikerie (DC)
420059039	Unincorp. Riverland
42010	Murray Mallee
420101400	Coonalpyn Downs (DC)
420103080	Karoonda-East Murray (DC)
420103430	Lameroo (DC)
420103990	Mannum (DC)
420104130	Meningie (DC)
420105040	Murray Bridge (DC)
420105600	Peake (DC)
420105880	Pinnaroo (DC)
420106720	Ridley (DC)
420109109	Unincorp. Murray Mallee
425	SOUTH EAST
42505	Upper South East
425053360	Lacepede (DC)
425053850	Lucindale (DC)
425055110	Naracoorte (M)
425055180	Naracoorte (DC)
425056860	Robe (DC)
425057630	Tatiara (DC)
42510	Lower South East
425100350	Beachport (DC)
425104200	Millicent (DC)
425104620	Mount Gambier (C)
425104690	Mount Gambier (DC)
425105670	Penola (DC)
425106370	Port MacDonnell (DC)
430	EYRE
43005	Lincoln
430051190	Cleve (DC)
430051750	Elliston (DC)
430051960	Franklin Harbor (DC)
430053220	Kimba (DC)
430053570	Le Hunte (DC)
430053710	Lower Eyre Peninsula (DC)
430056300	Port Lincoln (C)
430057910	Tumby Bay (DC)
430059179	Unincorp. Lincoln
43010	West Coast
430104970	Murat Bay (DC)
430107490	Streaky Bay (DC)
430109249	Unincorp. West Coast
435	NORTHERN
43505	Whyalla
435058540	Whyalla (C)
435059389	Unincorp. Whyalla
43515	Pirie
435151480	Crystal Brook-Redhill (DC)
435152380	Hallett (DC)
435152740	Jamestown (DC)
435155390	Orroroo (DC)
435155740	Peterborough (M)
435155810	Peterborough (DC)
435155950	Pirie (DC)
435156440	Port Pirie (C)
435156950	Rocky River (DC)
435159459	Unincorp. Pirie
43520	Flinders Ranges
435200980	Carrieton (DC)
435202520	Hawker (DC)
435202940	Kanyaka-Quorn (DC)
435204830	Mount Remarkable (DC)
435206090	Port Augusta (C)
435209529	Unincorp. Flinders Ranges
43525	Far North
435251330	Coober Pedy (DC)
435256970	Roxby Downs (M)
435259589	Unincorp. Far North
485	OFF-SHORE AREAS & MIGRATORY
48501	Off-Shore Areas & Migratory
485019779	Off-Shore Areas & Migratory
5	WESTERN AUSTRALIA
505	PERTH
50505	Central Metropolitan
505051750	Claremont (T)
505052170	Cottesloe (T)
505055740	Mosman Park (T)
505056580	Nedlands (C)
505056930	Peppermint Grove (S)
505057071	Perth (C) - Inner
505057072	Perth (C) - North
505057073	Perth (C) - Outer
505057074	Perth (C) - South
505057075	Perth (C) - Wembley-Coastal

Australian Standard Geographical Classification

(Digit 1 = State, 2-3 Statistical division, 4-5 Statistical subdivision, 6-9 Statistical local area).

505057980	Subiaco (C)
50510	East Metropolitan
505100350	Bassendean (T)
505100420	Bayswater (C)
505104200	Kalamunda (S)
505106090	Mundaring (S)
505108050	Swan (S)
50515	North Metropolitan
505157911	Stirling (C) - Central
505157912	Stirling (C) - West
505157913	Stirling (C) - South-Eastern
505158750	Wanneroo (C)
50520	South West Metropolitan
505201820	Cockburn (C)
505203150	East Fremantle (T)
505203431	Fremantle (C) - Inner
505203432	Fremantle (C) - Remainder
505204830	Kwinana (T)
505205320	Melville (C)
505207490	Rockingham (C)
50525	South East Metropolitan
505250210	Armadale (C)
505250490	Belmont (C)
505251330	Canning (C)
505253780	Gosnells (C)
505257700	Serpentine-Jarrahdale (S)
505257840	South Perth (C)
510	SOUTH WEST
51005	Dale
510055110	Mandurah (C)
510056230	Murray (S)
510058820	Waroona (S)
51010	Preston
510101190	Bunbury (C)
510101400	Capel (S)
510101890	Collie (S)
510102660	Dardanup (S)
510102870	Donnybrook-Balingup (S)
510103990	Harvey (S)
51015	Vasse
510150280	Augusta-Margaret River (S)
510151260	Busselton (S)
51020	Blackwood
510200770	Boyup Brook (S)
510200840	Bridgetown-Greenbushes (S)
510205180	Manjimup (S)
510206300	Nannup (S)
515	LOWER GREAT SOUTHERN
51505	Pallinup
515051050	Broomehill (S)
515053640	Gnowangerup (S)
515054130	Jerramungup (S)
515054340	Katanning (S)
515054480	Kent (S)
515054550	Kojonup (S)
515058120	Tambellup (S)
515059380	Woodanilling (S)
51510	King
515100070	Albany (T)
515100140	Albany (S)
515102240	Cranbrook (S)
515102730	Denmark (S)
515107210	Plantagenet (S)
520	UPPER GREAT SOUTHERN
52005	Hotham
520050630	Boddington (S)
520050910	Brookton (S)
520052310	Cuballing (S)
520053010	Dumbleyung (S)
520056440	Narrogin (T)
520056510	Narrogin (S)
520057140	Pingelly (S)
520058610	Wagin (S)
520058680	Wandering (S)
520058890	West Arthur (S)
520059100	Wickepin (S)
520059170	Williams (S)
52010	Lakes
520102100	Corrigin (S)
520104620	Kondinin (S)
520104760	Kulin (S)
520104900	Lake Grace (S)
525	MIDLANDS
52505	Moore
525051680	Chittering (S)
525052590	Dandaragan (S)
525053570	Gingin (S)
525055600	Moora (S)
525058540	Victoria Plains (S)
52510	Avon
525100560	Beverley (S)
525102450	Cunderdin (S)
525102520	Dalwallinu (S)
525102940	Dowerin (S)
525103710	Goomalling (S)
525104690	Koorda (S)
525106650	Northam (T)
525106720	Northam (S)
525107350	Quairading (S)
525108190	Tammin (S)
525108330	Toodyay (S)
525109310	Wongan-Ballidu (S)
525109450	Wyalkatchem (S)
525109730	York (S)
52515	Campion
525151120	Bruce Rock (S)
525154410	Kellerberrin (S)
525155460	Merredin (S)
525155880	Mount Marshall (S)
525155950	Mukinbudin (S)
525156370	Narembeen (S)
525156860	Nungarin (S)
525158400	Trayning (S)
525159030	Westonia (S)
525159660	Yilgarn (S)
530	SOUTH EASTERN
53005	Lefroy
530051960	Coolgardie (S)
530054280	Kalgoorlie/Boulder (C)
530054970	Laverton (S)
530055040	Leonora (S)
530055390	Menzies (S)
53010	Johnston
530103080	Dundas (S)
530103290	Esperance (S)
530107420	Ravensthorpe (S)
535	CENTRAL
53505	Gascoyne
535051540	Carnarvon (S)
535053360	Exmouth (S)
535057770	Shark Bay (S)
535058470	Upper Gascoyne (S)
53510	Carnegie
535102380	Cue (S)

Australian Standard Geographical Classification

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535105250	Meekatharra (S)
535105810	Mount Magnet (S)
535106160	Murchison (S)
535107630	Sandstone (S)
535109240	Wiluna (S)
535109590	Yalgoo (S)
53515	Greenough River
535151470	Carnamah (S)
535151610	Chapman Valley (S)
535152030	Coorow (S)
535153500	Geraldton (C)
535153850	Greenough (S)
535154060	Irwin (S)
535155530	Mingenew (S)
535155670	Morawa (S)
535156020	Mullewa (S)
535156790	Northampton (S)
535157000	Perenjori (S)
535158260	Three Springs (S)
540	PILBARA
54005	De Grey
540053220	East Pilbara (S)
540057280	Port Hedland (T)
54010	Fortescue
540100250	Ashburton (S)
540107560	Roebourne (S)
545	KIMBERLEY
54505	Ord
545053920	Halls Creek (S)
545059520	Wyndham-East Kimberley (S)
54510	Fitzroy
545100980	Broome (S)
545102800	Derby-West Kimberley (S)
585	OFF-SHORE AREAS & MIGRATORY
58501	Off-Shore Areas & Migratory
585019779	Off-Shore Areas & Migratory
6	TASMANIA
605	GREATER HOBART
60505	Greater Hobart
605050301	Brighton (M) - Pt A
605050800	Clarence (C)
605051700	Glenorchy (C)
605052101	Hobart (C) - Inner
605052102	Hobart (C) - Remainder
605052501	Kingborough (M) - Pt A
605053001	New Norfolk (M) - Pt A
605054101	Sorell (M) - Pt A
610	SOUTHERN
61005	Southern
610050200	Bothwell (M)
610050302	Brighton (M) - Pt B
610050400	Bruny (M)
610051100	Esperance (M)
610051600	Glamorgan (M)
610051900	Green Ponds (M)
610052000	Hamilton (M)
610052200	Huon (M)
610052502	Kingborough (M) - Pt B
610053002	New Norfolk (M) - Pt B
610053100	Oatlands (M)
610053300	Port Cygnet (M)
610053600	Richmond (M)
610054102	Sorell (M) - Pt B
610054200	Spring Bay (M)
610054400	Tasman (M)
615	NORTHERN
61505	Greater Launceston
615050101	Beaconsfield (M) - Pt A
615051201	Evandale (M) - Pt A
615051501	George Town (M) - Pt A
615052701	Launceston (C) - Inner
615052703	Launceston (C) - Pt B
615052901	Longford (M) - Pt A
615054701	Westbury (M) - Pt A
61510	Central North
615100102	Beaconsfield (M) - Pt B
615100900	Deloraine (M)
615101202	Evandale (M) - Pt B
615101502	George Town (M) - Pt B
615102704	Launceston (C) - Pt C
615102902	Longford (M) - Pt B
615104702	Westbury (M) - Pt B
61515	North Eastern
615150600	Campbell Town (M)
615151300	Fingal (M)
615151400	Flinders (M)
615153400	Portland (M)
615153700	Ringarooma (M)
615153800	Ross (M)
615154000	Scottsdale (M)
620	MERSEY-LYELL
62005	Burnie-Devonport
620050501	Burnie (C) - Pt A
620051000	Devonport (C)
620052601	Latrobe (M) - Pt A
620053201	Penguin (M) - Pt A
620054501	Ulverstone (M) - Pt A
620054801	Wynyard (M) - Pt A
62010	North Western Rural
620100502	Burnie (C) - Pt B
620100700	Circular Head (M)
620102300	Kentish (M)
620102400	King Island (M)
620102602	Latrobe (M) - Pt B
620103202	Penguin (M) - Pt B
620104502	Ulverstone (M) - Pt B
620104802	Wynyard (M) - Pt B
62015	Western
620152950	Lyell (M)
620154300	Strahan (M)
620154600	Waratah (M)
620154900	Zeehan (M)
685	OFF-SHORE AREAS & MIGRATORY
68501	Off-Shore Areas & Migratory
685019779	Off-Shore Areas & Migratory
7	NORTHERN TERRITORY
705	DARWIN
70505	Darwin City
705051004	Alawa
705051008	Anula
705051014	Brinkin
705051018	City - Inner
705051024	Coconut Grove
705051028	Fannie Bay
705051034	Jingili
705051038	Karama
705051044	Larrakeyah
705051048	Leanyer
705051052	Lee Point-Leanyer Swamp
705051054	Ludmilla
705051058	Malak
705051064	Marrara
705051068	Millner
705051074	Moil

Australian Standard Geographical Classification

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705051078	Nakara
705051084	Narrows
705051088	Nightcliff
705051094	Parap
705051098	Rapid Creek
705051104	Stuart Park
705051108	The Gardens
705051114	Tiwi
705051118	Wagaman
705051124	Wanguri
705051128	Winnellie
705051134	Wulagi
705051138	City - Remainder
70510	Palmerston-East Arm
705101169	East Arm
705102804	Driver
705102808	Gray
705102814	Moulden
705102818	Woodroffe
705102824	Palmerston (T) Bal
710	NORTHERN TERRITORY - BAL
71005	Darwin Rural Areas
710050700	Coomalie (CGC)
710050759	Cox-Finniss
710052304	Litchfield (S) - Pt A
710052308	Litchfield (S) - Pt B
71010	Bathurst-Melville
710100609	Bathurst-Melville
71015	Alligator
710152000	Jabiru (T)
710153309	South Alligator
710154809	West Arnhem
71020	Daly
710200809	Daly
71025	East Arnhem
710251209	East Arnhem - Bal
710251609	Groote Eylandt
710252409	Nhulunbuy
71030	Lower Top End NT
710301409	Elsey - Bal
710301809	Gulf
710302200	Katherine (T)
710304409	Victoria
71035	Barkly
710353409	Tableland
710353800	Tennant Creek (T)
710354009	Tennant Creek - Bal
71040	Central NT
710400200	Alice Springs (T)
710403009	Petermann
710403209	Sandover - Bal
710403609	Tanami
785	OFF-SHORE AREAS & MIGRATORY
78501	Off-Shore Areas & Migratory
785019779	Off-Shore Areas & Migratory
8	AUSTRALIAN CAPITAL TERRITORY
805	CANBERRA
80505	Central Canberra
805050089	Acton
805050189	Ainslie
805050369	Barton
805050639	Braddon
805050909	Campbell
805051449	City
805051809	Deakin
805051889	Dickson
805051989	Downer
805052169	Duntroon
805052789	Forrest
805052979	Fyshwick
805053429	Griffith
805053609	Hackett
805054959	Kingston
805055229	Lyneham
805056219	Narrabundah
805056389	O'Connor
805056759	Parkes
805057119	Red Hill
805057209	Reid
805057479	Russell
805058289	Turner
805058559	Watson
805058919	Yarralumla
80510	Belconnen
805100279	Aranda
805100459	Belconnen Town Centre
805100549	Belconnen - SSD Bal
805100729	Bruce
805101179	Charnwood
805101629	Cook
805102259	Evatt
805102619	Florey
805102709	Flynn
805102889	Fraser
805103249	Giralang
805103879	Hawker
805103969	Higgins
805104149	Holt
805104779	Kaleen
805105139	Latham
805105409	McKellar
805105589	Macgregor
805105679	Macquarie
805105949	Melba
805106669	Page
805107569	Scullin
805107659	Spence
805108649	Weetangera
80515	Woden Valley
805151269	Chifley
805151719	Curtin
805152439	Farrer
805153069	Garran
805154239	Hughes
805154419	Isaacs
805155319	Lyons
805155859	Mawson
805156489	O'Malley
805156849	Pearce
805156939	Phillip
805158109	Torrens
80520	Weston Creek
805201089	Chapman
805202079	Duffy
805202529	Fisher
805204059	Holder
805207389	Rivett
805207749	Stirling
805208469	Waramanga
805208739	Weston
805208829	Weston Creek - SSD Bal
80525	Tuggeranong
805250609	Bonython
805250819	Calwell

Australian Standard Geographical Classification

(Digit 1 = State, 2-3 Statistical division, 4-5 Statistical subdivision, 6-9 Statistical local area).

805251359	Chisholm	805303519	Gungahlin
805252349	Fadden	805303689	Hall
805253159	Gilmore	805303789	Harman
805253289	Gordon	805304329	Hume
805253339	Gowrie	805304589	Jerrabomberra
805253379	Greenway	805305049	Kowen
805254509	Isabella Plains	805305769	Majura
805254869	Kambah	805306039	Mitchell
805255489	Macarthur	805306309	Oaks Estate
805256129	Monash	805307029	Pialligo
805256579	Oxley	805307839	Stromlo
805257289	Richardson	805307929	Symonston
805258019	Theodore	810	AUST CAPITAL TERRITORY - BAL
805258189	Tuggeranong - SSD Bal	81005	Aust Capital Territory - Bal
805258379	Wanniassa	810054689	Jervis Bay Territory
80530	Outer Canberra	810059009	Remainder of ACT

APPENDIX II
MORTALITY INDICES USED IN THE STUDY

Notations :

x	=	Age in completed number of years.
${}_nP_x$	=	Mid-year population in the age interval x to x+n.
${}_nD_x$	=	Number of deaths in year (or average of deaths in a group of three years centred around the year of the base population) in the age interval x to x+n.
${}_nM_x$	=	Age-specific death rates in the age interval x to x+n.
l_x	=	Number of survivors to an exact age x in the life table. Note that l_0 = 100,000, which is the radix of the life table.
${}_nq_x$	=	Probability of dying between exact ages x and x+n.
${}_np_x$	=	Probability of survival between exact ages x and x+n.
${}_nd_x$	=	Number of deaths in the life table in the age interval x to x+n.
${}_nL_x$	=	Life table population or person-years lived in the life table in the age interval x to x+n.
${}_nm_x$	=	Age-specific death rate in the life table population at ages x to x+n.
T_x	=	Life table population after exact age x, or total number of person-years lived in the remaining life by persons alive at an exact age x.
e_x	=	Expectation of life at an exact x.
n	=	Class interval for the age groups - for ages 0–1, n=1, for ages 1–4, n=4, for ages 5–9 and so on, n=5.
${}_nn_x$	=	Proportion of deaths due to specific cause of death, c, among total deaths in the age interval x to x+n.
N	=	Total number of causes of death.

In the above notations a symbol 'c' is used to make the notation specific for cause of death, and a symbol 's' to represent the notation for the standard population.

Notations without the subscript represent total over all ages. Thus, P and D represent total population and total deaths respectively.

1. Crude death rate

The crude death rate is calculated by dividing the number of registered deaths in a year by the mid-year population for the same year. The rate is expressed as per 1,000 population. Thus,

$$\text{Crude death rate} = \frac{D}{P} \cdot 1000$$

The crude death rates for specific causes of death are calculated in a similar way by selecting deaths due to specific causes as the numerator and mid-year population as the denominator. Thus,

Cause-specific death rate = $\frac{D^c}{P} \cdot 1000$

The sum of the cause-specific death rates over all causes equals the crude death rate.

Both crude death rates and cause-specific death rates are calculated separately for each sex by selecting deaths and population for the individual sex.

2. Age-specific death rates

The age-specific death rates are calculated from deaths and population both specific to each age (or age group) of the population. Thus,

Age-specific death rate, ${}_nM_x = \frac{{}_nD_x}{{}_nP_x} \cdot 1000$

The age-cause-specific death rates are obtained by selecting deaths in specific age and cause group of the population as the numerator. Thus,

Age-cause-specific death rate, ${}_nM_x = \frac{{}_nD_x^c}{{}_nP_x} \cdot 1000$

As with the cause-specific death rates, the sum of the age-cause-specific death rates equals age-specific death rate at a given age.

3. Standardised death rate

In this study, the standardised death rates are calculated by direct standardisation. Australian population of both sexes combined at 30 June, 1986, in the age groups 0, 1-4, 5-9, ... 90+ is selected as the standard. The numerator of these rates is the expected number of deaths which is obtained by summing the products of the age-specific death rates for a population (to be compared) with the standard population by age. The denominator is the total of the standard population. The rate is expressed as per 1,000 population. Thus,

Standardised death rate = $[\sum_x ({}_nM_x \cdot {}_nP_x^s) / P_x^s] \cdot 1000$

The standardised death rates are calculated for each sex and cause of death group by substituting age-cause-specific death rates in place of the age-specific death rates in the numerator for each sex separately.

4. Measures based on life tables

Abridged life tables (tables with five-yearly age intervals) rather than complete life tables (tables with one-yearly age intervals) are calculated. Various functions of these tables are described below:

Probability of dying between exact ages, ${}_nq_x$:

Infant mortality rate : The infant mortality rate or the probability of dying between exact ages 0 and 1 is calculated differently from the rates at other ages. It is the quotient of deaths at age 0 (ie infant deaths) to live births registered in a year.

Because of the special significance of the infant mortality rate in mortality studies, the rate is refined by adjusting the numerator, or the denominator, or both, of the quotient such that the population exposed to the risk of death (ie births) and deaths (ie infant deaths) refer to the same individuals. A further refinement is to calculate the rate for each quarter and then obtain a pooled rate for the year.

For the present study, the infant mortality rates are adapted from the life tables for Australia, the States and Territories calculated by the ABS for each year 1971 to 1992. Infant mortality rates calculated for the individual years have been averaged to provide representative values for the periods 1970-72, 1975-77, 1980-82, 1985-87, 1990-92, and 1992 for each sex separately. Minor subjective adjustment was made to the selected infant mortality rates for Tasmania for

females for the 1975-77 period and for males for the 1980-82 period. This was done to avoid fluctuations in the source rates.

Mortality rates at other ages: For other ages mortality rates are obtained from the age-specific death rates as per the following formula:

$$ {}_nq_x = \frac{n \cdot {}_nM_x}{1 + n \cdot {}_nM_x[0.5 + n/12 \cdot ({}_nM_x - .095)]} $$

where $n = 4$ for $x = 1$, and $n = 5$ for $x = 5, 10, \ldots, 90$.

Probability of dying after exact age 95 is assumed 1.0.

Survivors to and exact age x, l_x :

$l_0 = 100{,}000$ (radix of the life table)

$l_1 = l_0(1 - q_0)$

$l_5 = l_1(1 - {}_4q_1)$

.....

$l_x = l_{x-5}(1 - {}_nq_{x-5})$ for $x = 10, 15, \ldots, 95$.

Deaths at ages x *to* x+n, ${}_nd_x$:

$d_0 = l_0 - l_1$

${}_4d_1 = l_1 - l_5$

.....

${}_nd_x = l_x - l_{x+5}$ for $x = 5, 10, \ldots, 90$.

$d_{95} = l_{95}$

Age-specific death rates in the life table population at ages x *to* x+n, ${}_nm_x$:

${}_1m_0 = -\log_e(l_1 / l_0) \cong d_0 / L_0$

${}_4m_1 = -0.25 \log_e(l_5 / l_1) \cong {}_4 d_1 / {}_4 L_1$

${}_5m_5 = -0.20 \log_e(l_{10} / l_5) \cong {}_5 d_5 / {}_5 L_5$

.....

${}_5m_{90} = -0.20 \log_e(l_{95} / l_{90}) \cong {}_5 d_{90} / {}_5 L_{90}$

Life table population or person-years lived in the age interval x to x+n by survivors to exact age x,

$L_0 = .12l_0 + .88l_1$

${}_4L_1 = .0341l_0 + 1.1841l_1 + 2.7821l_5$

.....

${}_nL_x = .5n(l_x + l_{x+n})$ for $x = 5, 10, \ldots 90$.

${}_\infty L_{95} = l_{95} \cdot \log_{10}(l_{95})$

Life table population or person-years lived in the remaining life by persons alive at exact age x, T_x

$T_{95} = {}_{\infty} L_{95}$

$T_X = {}_n L_x + T_{x+5}$ for x = 90, 85,..., 0.

Expectation of life at exact age x, e_x

$${}^0e_x = \frac{T_x}{l_x}$$

5. Measures based on cause-specific life tables

Number of deaths by cause in the life table, ${}_nd_x^c$

In the cause-specific life tables, ${}_nd_x^c$, the number of deaths due to cause c at ages x to x+n is calculated by assuming ${}_nn_x^c$, in the observed population to be the same as in the life table population. Thus,

${}_nd_x^c = {}_n d_x \cdot {}_n n_x^c$

Death probabilities by cause, ${}_nq_x^c$

These probabilities are calculated by dividing deaths by cause by the number of survivors at each age. Thus,

${}_nq_x^c = {}_n d_x^c / l_x$

Expected number of individuals at exact age x who will eventually die because of specific cause, l_x^c

For each cause,

$$l_x^c = \sum_{i=x}^{u} d_i^c,$$

where u is the upper age at which the last survivor in the life table dies.

Conditional probability of ultimately dying from a cause for those alive at exact age x

These probabilities are obtained by dividing l_x^c by l_x values in the life table.

Density function of the cause of death in the presence of all causes

This function at age x is obtained by dividing ${}_nd_x$ by $n \cdot l_0^c$ for each cause.

Years of potential life lost (YPLL)

This index is calculated by multiplying the number of deaths from each cause by the number of years remaining up to a given birthday (assumed 65). Thus,

$$\text{YPLL for a cause} = \sum_x {}_nd_x^c \cdot [65 - (x + 2.5)]$$

for x = 0, 5, ..., 60.

Life table excluding a cause of death

The probability of dying between exact ages x and x+n after eliminating a cause of death (denoted by superscript EC) is calculated from ${}_nq_x$ values as follows:

${}_nq_x^{EC} = 1 - (1 - {}_n q_x)^{1 - {}_n m_x^c}$

for x = 0, 1, 5, ..., 90.

${}_\infty q_{95}^{EC} = 1.000.$

Other functions of the life table are calculated in the usual way.

Gain in expectation of life by eliminating a specific cause

This is the difference between the expectation of life at exact age obtained by excluding a specific cause and that obtained by considering all causes. Thus the gain in expectation of life at age x by excluding a specific cause is equal to:

${}^oe_x^{EC} - {}^oe_x$

6. Gain in expectation of life at birth contributed by mortality reduction in specific age and cause groups

Pollard (1989) gave a technique to decipher the difference in the expectations of life at two points in time in terms of mortality reductions at various age and cause groups of the population. The technique is also applicable for studying sex differentials in expectations of life at birth at one point of time caused by differing mortality rates between sexes in various age and cause of death groups.

The difference in the expectations of life at birth at two points in time (represented as 1 and 2) is given by the following expression:

$$
\begin{aligned}
{}^{o2}_{e_0} - {}^{o1}_{e_0} = & \sum_i [{}_1m_0^{(i)1} - {}_1m_0^{(i)2}]w_0 \\
& + 4\sum_i [{}_4m_1^{(i)1} - {}_4m_1^{(i)2}]w_2 \\
& + 5\sum_i [{}_5m_5^{(i)1} - {}_5m_5^{(i)2}]w_{7.5} \\
& + 5\sum_i [{}_5m_{10}^{(i)1} - {}_5m_{10}^{(i)2}]w_{12.5} \\
& \ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots \\
& + 5\sum_i [{}_5m_{90}^{(i)1} - {}_5m_{90}^{(i)2}]w_{92.5}
\end{aligned}
$$

Each 'quantity' between the plus (+) signs represents the contribution made by each age and cause of death group (i) to the difference in the expectations of life at birth at two points of time.
In the present study, individual age-group contributions are added in broad age groups for presentation in tables.

The weights, w_t, are calculated as follows:

$$w_0 = 0.5 \cdot [{}_0p_0^1 e_0^{o2} + {}_0p_0^2 + {}_0p_0^2 e_1^{o1}]$$

$$w_2 = 0.5 \cdot [{}_2p_0^1 e_2^{o2} + {}_2p_0^2 e_2^{o1}]$$

$$w_{7.5} = 0.5 \cdot [{}_{7.5}p_0^1 e_{7.5}^{o2} + {}_{7.5}p_0^2 e_{7.5}^{o1}]$$

.....

$$w_{92.5} = 0.5 \cdot [{}_{92.5}p_0^1 e_{92.50}^{o2} + {}_{92.5}p_0^2 e_{92.5}^{o1}]$$

It should be noted that the above calculations require values of the probabilities of survival and the expectations of life at ages which are not available in the abridged life tables. These life table functions at the required ages have been interpolated on a linear assumption between the known values based on the abridged life tables. This introduces a small amount of error in the results, but for practical purposes, this error is acceptable.

Sex differentials in mortality are examined by the same procedures.

7. Standardised mortality ratio (SMR)

This ratio, a form of indirectly standardised rate, is useful for studying mortality differentials among regions of a larger region (country or state). It is calculated as the quotient of observed to expected deaths for a region multiplied by 100. The expected deaths for a region are obtained by summing, for each cause of death, the product of the sex-age-cause-specific death rates in a standard population and the age-sex population of the region in question. Thus, the standardised mortality ratio for a region i is given by the following expression:

$$SMR^{c,i} = \frac{D^{c,i}}{\sum_j \sum_x {}_nP_x^{j,i} \cdot {}_nM_x^{c,j,s}} \cdot 100$$

where $D^{c,i}$ represents the observed total deaths in the region i and cause c,

${}_nP_x^{j,i}$ is the population of sex j aged x to x+n for region i, and

${}_nM_x^{c,j,s}$ is the sex-age-cause specific death rates in the standard population s.

For the purposes of this study, sex-age-cause-specific death rates for Australia during the period 1991-92 are used as standard.

Standardised mortality ratios are calculated separately for all persons, persons of each sex, for all ages combined and for specific ages by selecting appropriate numerators and denominators of the standardised mortality ratio.

Statistical significance of the SMR

Standardised mortality ratios can fluctuate widely if they are based on a small number of deaths (especially by age and cause groups) observed in an area. The statistical tests are used to determine whether a specific SMR for an area is significantly different from that of the nation or part of the nation (eg State).

Standard error of the SMR is obtained from the following formula:

$$SE(SMR) = \frac{SMR}{(\text{Observed deaths})^{0.5}}$$

(Britton: 1989).

Normal distribution is used to test the hypothesis that there is no difference between the SMR for the region and that for the country (or State).

Z statistic is calculated as follows:

$$Z = \frac{SMR^{c,i} - SMR^{c,s}}{SE(SMR^{c,i})}$$

where $SMR^{c,i}$ is the SMR for an area i and cause of death c, and

$SMR^{c,S}$ is the SMR for the country (or State) and cause of death c.

If the Z statistic exceeds ± 1.96, the observed SMR for the area i is regarded as statistically significant at 5 per cent level of significance.

In the present study, $SMR^{c,S}$ is 100 for each cause of death which is the value of the SMR for each cause for Australia as a whole.

A comparison of mortality in each area with that in the State/Territory is also made by calculating the Z statistic and statistical significance by replacing the SMR for a cause for Australia by the corresponding SMR for the State/Territory.

APPENDIX III
DETAILED TABLES

TABLE T0.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 — AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	19.49	15.01	11.47	10.30	8.26	7.77	15.01	11.84	9.05	7.94	6.47	5.89
1-4	3.92	3.10	2.59	2.13	1.72	1.67	3.09	2.34	1.95	1.59	1.34	1.42
5-9	2.25	1.85	1.68	1.27	1.04	0.97	1.60	1.32	0.98	0.92	0.73	0.78
10-14	2.05	1.95	1.69	1.45	1.04	0.99	1.31	1.14	0.99	0.76	0.73	0.66
15-19	7.54	7.44	6.31	5.32	4.38	4.02	2.97	2.59	2.16	2.07	1.82	1.67
20-24	8.77	8.54	7.86	7.58	6.40	5.94	2.86	2.53	2.46	2.58	2.19	2.14
25-29	6.70	6.37	6.81	6.54	6.57	6.41	3.22	2.59	2.48	2.50	2.37	2.13
30-34	7.36	6.98	6.18	6.41	6.76	6.75	4.45	3.72	2.90	2.80	2.73	2.80
35-39	11.16	9.85	8.32	7.18	7.56	7.33	7.02	5.99	4.42	3.89	3.77	3.66
40-44	16.95	16.21	13.02	10.94	10.03	9.96	10.89	9.78	7.51	6.49	5.56	5.63
45-49	29.42	27.73	23.22	17.68	15.38	14.80	17.65	15.42	12.84	10.91	9.29	9.06
50-54	48.15	44.66	38.73	31.23	25.69	25.08	26.96	23.95	19.88	17.96	15.62	15.44
55-59	79.54	70.91	62.43	53.31	44.41	42.47	40.96	36.04	30.89	28.19	24.51	24.44
60-64	124.90	111.60	96.88	85.58	74.86	73.54	61.63	55.67	48.05	43.07	38.95	38.23
65-69	187.92	169.78	152.42	133.77	119.52	118.20	98.66	86.86	76.45	70.27	63.21	61.56
70-74	275.39	251.58	231.84	206.65	182.83	181.62	163.46	139.48	121.62	116.74	104.97	103.21
75-79	399.60	358.26	340.72	307.47	285.32	285.73	266.95	227.98	204.53	189.17	175.57	174.11
80-84	527.53	497.51	467.54	442.79	415.33	413.34	406.76	362.11	327.03	311.58	285.91	288.95
85-89	672.19	643.90	609.98	588.48	557.53	560.32	576.72	533.79	498.78	462.09	447.84	449.62
90-94	806.51	771.18	768.96	742.05	720.40	707.15	725.26	695.28	673.21	650.27	629.63	627.34
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T0.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 — AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	19.490	15.010	11.470	10.300	8.260	7.770	15.010	11.840	9.050	7.940	6.470	5.890
1-14	8.196	6.887	5.950	4.844	3.802	3.635	5.994	4.794	3.928	3.272	2.797	2.865
15-44	57.110	54.157	47.554	43.179	40.993	39.740	31.012	26.908	21.749	20.167	18.298	17.901
45-64	255.855	233.331	204.952	176.199	151.900	147.932	139.779	125.205	107.401	96.715	85.712	84.589
65-84	833.074	799.634	771.448	734.811	699.354	697.606	672.099	613.032	565.728	541.619	506.379	505.782
85-94	936.571	918.517	909.889	893.848	876.287	871.241	883.706	857.937	836.206	811.873	795.492	794.896
l_x (l_0 = 100 000)												
x =												
30	95026	95650	96217	96588	97093	97253	97026	97586	98006	98176	98444	98538
50	88996	89957	91419	92571	93289	93529	93198	94220	95319	95830	96359	96470
70	55411	58891	63068	67248	70751	71328	73559	76443	79599	81367	83305	83631
85	11390	14213	17007	20587	24158	24461	26760	32395	37429	40116	43896	44043
e_x (years)												
x =												
0	68.170	69.618	71.223	72.830	74.304	74.541	74.864	76.631	78.340	79.291	80.406	80.541
10	59.927	61.007	62.338	63.823	65.118	65.312	66.341	67.817	69.275	70.115	71.088	71.187
65	12.434	13.201	13.845	14.683	15.462	15.505	16.102	17.203	18.107	18.659	19.315	19.361

Note Based on abridged life tables

TABLE T0.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	5.122	4.480	3.874	3.258	2.689	2.619	2.822	2.391	2.037	1.819	1.555	1.542
Malignant neoplasms (cancer)	2.107	2.184	2.290	2.281	2.256	2.264	1.308	1.301	1.308	1.351	1.345	1.328
Cerebrovascular disease (stroke)	1.591	1.337	1.088	0.831	0.674	0.650	1.510	1.255	0.975	0.754	0.599	0.573
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.753	0.706	0.696	0.631	0.550	0.559	0.135	0.147	0.166	0.199	0.211	0.227
Motor vehicle traffic accidents	0.435	0.394	0.340	0.260	0.186	0.164	0.151	0.138	0.117	0.101	0.077	0.074
Other accidents	0.357	0.321	0.268	0.223	0.209	0.202	0.179	0.155	0.116	0.096	0.089	0.086
Pneumonia and influenza	0.395	0.304	0.211	0.144	0.131	0.141	0.237	0.183	0.122	0.092	0.081	0.080
Diabetes mellitus	0.175	0.155	0.134	0.141	0.147	0.145	0.171	0.131	0.111	0.110	0.108	0.112
Suicide	0.185	0.168	0.177	0.199	0.209	0.208	0.087	0.066	0.058	0.054	0.053	0.052
Nephritis, nephrotic syndrome and nephrosis	0.074	0.075	0.087	0.082	0.087	0.084	0.056	0.052	0.067	0.066	0.064	0.060
Chronic liver disease and cirrhosis	0.091	0.127	0.128	0.110	0.094	0.093	0.037	0.045	0.045	0.038	0.032	0.030
All other causes	1.803	1.553	1.378	1.305	1.294	1.287	1.297	1.062	0.942	0.903	0.875	0.885
All causes	**13.090**	**11.802**	**10.672**	**9.466**	**8.526**	**8.414**	**7.990**	**6.925**	**6.064**	**5.583**	**5.088**	**5.049**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA
HEART DISEASE

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.050	0.055	0.062	0.068	0.035	0.054	0.078	0.066	0.038	0.043	0.034	0.032	0.641	0.830	1.622	1.583	1.022	1.663
1-4	0.011	0.011	0.011	0.011	0.004	0.004	0.008	0.011	0.014	0.007	0.011	0.014	1.352	1.018	0.847	1.526	0.356	0.271
5-9	0.003	0.003	0.004	0.004	0.002	0.000	0.003	0.003	0.004	0.002	0.005	0.006	0.793	0.953	0.956	1.664	0.421	0.000
10-14	0.009	0.011	0.007	0.006	0.006	0.003	0.008	0.005	0.004	0.005	0.004	0.003	1.156	2.308	1.917	1.142	1.299	0.945
15-19	0.021	0.013	0.021	0.021	0.021	0.015	0.011	0.008	0.012	0.009	0.009	0.008	1.934	1.782	1.838	2.339	2.520	1.899
20-24	0.038	0.031	0.027	0.032	0.029	0.019	0.022	0.017	0.018	0.014	0.015	0.023	1.715	1.858	1.474	2.274	1.983	0.851
25-29	0.066	0.065	0.064	0.050	0.043	0.033	0.044	0.036	0.024	0.027	0.022	0.020	1.516	1.808	2.641	1.866	2.006	1.634
30-34	0.166	0.149	0.124	0.103	0.085	0.083	0.083	0.060	0.039	0.043	0.031	0.025	2.003	2.489	3.163	2.383	2.766	3.330
35-39	0.458	0.441	0.292	0.224	0.184	0.159	0.186	0.154	0.093	0.062	0.049	0.050	2.466	2.864	3.150	3.597	3.734	3.157
40-44	1.094	0.976	0.731	0.540	0.401	0.402	0.333	0.332	0.195	0.143	0.098	0.109	3.269	2.940	3.745	3.779	4.117	3.689
45-49	2.357	2.211	1.643	1.145	0.814	0.766	0.646	0.564	0.424	0.305	0.187	0.171	3.651	3.921	3.873	3.758	4.354	4.483
50-54	4.229	3.810	3.010	2.233	1.518	1.466	1.280	1.132	0.795	0.605	0.403	0.417	3.303	3.367	3.786	3.692	3.770	3.514
55-59	7.630	6.402	5.084	3.974	2.895	2.656	2.420	1.983	1.496	1.185	0.880	0.958	3.153	3.229	3.399	3.353	3.290	2.774
60-64	12.238	10.423	8.366	6.575	4.990	4.834	4.469	3.739	2.966	2.306	1.754	1.710	2.738	2.788	2.820	2.852	2.845	2.827
65-69	18.342	16.094	13.622	10.723	8.380	7.992	8.311	6.864	5.498	4.573	3.490	3.257	2.207	2.345	2.478	2.345	2.401	2.454
70-74	27.108	23.765	20.572	17.247	13.852	13.455	14.900	11.991	9.816	8.935	7.164	6.741	1.819	1.982	2.096	1.930	1.934	1.996
75-79	41.271	34.835	32.014	27.541	23.299	23.138	25.447	20.880	18.267	16.565	13.942	13.575	1.622	1.668	1.753	1.663	1.671	1.704
80-84	58.365	52.381	46.038	42.652	37.459	36.433	41.382	35.310	31.085	29.720	26.027	26.616	1.410	1.483	1.481	1.435	1.439	1.369
85-89	85.985	76.384	68.625	63.157	55.306	55.797	67.164	58.865	53.168	47.552	45.536	46.149	1.280	1.298	1.291	1.328	1.215	1.209
90-94	124.515	110.003	108.569	93.060	88.897	87.301	94.937	90.127	86.093	81.502	77.570	77.376	1.312	1.221	1.261	1.191	1.146	1.128
95+	147.097	136.930	145.814	111.268	127.683	124.465	141.226	132.201	126.326	120.798	123.053	128.783	1.042	1.036	1.154	0.921	1.038	0.966
CDR	3.543	3.229	2.931	2.653	2.331	2.320	2.641	2.416	2.251	2.250	2.086	2.128	1.342	1.337	1.302	1.179	1.117	1.090
SDR	5.122	4.480	3.874	3.258	2.689	2.619	2.822	2.391	2.037	1.819	1.555	1.542	1.815	1.874	1.902	1.791	1.730	1.699
%CDR	37.733	37.108	35.490	33.700	30.917	30.569	34.690	34.547	34.113	33.784	32.282	32.437						
%SDR	39.133	37.956	36.306	34.419	31.545	31.128	35.322	34.519	33.585	32.579	30.554	30.534						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA CAUSE MALIGNANT NEOPLASMS (CANCER)

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.045	0.055	0.065	0.033	0.028	0.023	0.062	0.033	0.044	0.063	0.026	0.016	0.722	1.659	1.469	0.518	1.044	1.426
1-4	0.099	0.075	0.067	0.052	0.045	0.042	0.077	0.059	0.055	0.040	0.035	0.048	1.290	1.287	1.227	1.287	1.279	0.871
5-9	0.086	0.052	0.061	0.043	0.036	0.029	0.071	0.056	0.046	0.040	0.030	0.032	1.216	0.935	1.327	1.074	1.209	0.902
10-14	0.058	0.052	0.048	0.044	0.030	0.036	0.048	0.040	0.036	0.026	0.033	0.025	1.226	1.301	1.314	1.708	0.913	1.451
15-19	0.073	0.081	0.077	0.058	0.060	0.065	0.060	0.052	0.045	0.041	0.039	0.037	1.206	1.552	1.733	1.405	1.546	1.742
20-24	0.107	0.085	0.078	0.086	0.066	0.063	0.072	0.059	0.052	0.049	0.046	0.044	1.486	1.445	1.494	1.750	1.437	1.443
25-29	0.123	0.127	0.101	0.098	0.104	0.105	0.117	0.095	0.091	0.097	0.087	0.076	1.049	1.329	1.118	1.008	1.199	1.396
30-34	0.193	0.185	0.149	0.148	0.162	0.146	0.204	0.207	0.180	0.194	0.165	0.189	0.947	0.895	0.832	0.764	0.978	0.773
35-39	0.346	0.255	0.291	0.255	0.261	0.257	0.369	0.365	0.346	0.352	0.335	0.308	0.937	0.698	0.841	0.724	0.780	0.834
40-44	0.539	0.589	0.592	0.483	0.475	0.469	0.682	0.664	0.653	0.643	0.612	0.618	0.791	0.888	0.905	0.750	0.777	0.759
45-49	1.124	1.157	1.189	0.997	0.926	0.891	1.232	1.198	1.152	1.133	1.069	1.053	0.912	0.966	1.033	0.880	0.866	0.846
50-54	2.035	2.070	2.210	2.093	1.904	1.906	1.868	1.872	1.790	1.878	1.772	1.743	1.090	1.105	1.234	1.115	1.074	1.093
55-59	3.480	3.548	3.882	3.734	3.549	3.518	2.669	2.637	2.688	2.756	2.568	2.457	1.303	1.346	1.444	1.355	1.382	1.432
60-64	5.810	5.907	5.929	6.282	5.954	5.972	3.466	3.602	3.606	3.687	3.730	3.601	1.676	1.640	1.644	1.704	1.596	1.658
65-69	8.730	8.815	9.248	9.223	9.240	9.302	4.682	4.699	4.939	5.175	5.117	5.018	1.865	1.876	1.872	1.782	1.806	1.854
70-74	12.083	12.781	13.375	12.985	12.945	13.316	6.052	6.068	6.222	6.786	6.942	6.911	1.996	2.106	2.150	1.914	1.865	1.927
75-79	16.277	17.018	18.112	17.958	17.838	17.586	8.276	8.161	8.497	8.510	8.835	8.792	1.967	2.085	2.132	2.110	2.019	2.000
80-84	19.285	21.599	22.813	23.299	23.729	24.181	10.926	10.877	10.523	10.999	11.237	11.258	1.765	1.986	2.168	2.118	2.112	2.148
85-89	23.772	24.975	26.484	28.801	28.951	28.670	13.222	13.601	13.685	13.734	14.495	14.643	1.798	1.836	1.935	2.097	1.997	1.958
90-94	23.357	24.458	27.137	33.065	35.318	35.872	15.306	15.055	15.043	16.695	16.612	16.810	1.526	1.625	1.804	1.980	2.126	2.134
95+	20.059	22.171	25.556	20.491	30.657	29.869	15.449	12.919	15.450	15.540	16.967	18.534	1.298	1.716	1.654	1.319	1.807	1.612
CDR	1.556	1.669	1.850	1.968	2.057	2.100	1.252	1.302	1.370	1.503	1.561	1.567	1.242	1.282	1.350	1.309	1.318	1.340
SDR	2.107	2.184	2.290	2.281	2.256	2.264	1.308	1.301	1.308	1.351	1.345	1.328	1.611	1.678	1.751	1.688	1.677	1.705
%CDR	16.570	19.175	22.399	24.993	27.292	27.662	16.450	18.612	20.770	22.563	24.167	23.884						
%SDR	16.096	18.502	21.459	24.097	26.455	26.901	16.365	18.787	21.568	24.201	26.428	26.291						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA CEREBROVASCULAR DISEASE (STROKE)

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.030	0.006	0.008	0.016	0.010	0.031	0.013	0.009	0.009	0.006	0.005	0.008	2.309	0.640	0.958	2.848	1.896	3.800
1-4	0.005	0.001	0.001	0.003	0.001	0.000	0.003	0.003	0.000	0.002	0.000	0.000	1.674	0.237	0.000	1.275	0.000	0.000
5-9	0.003	0.002	0.001	0.001	0.002	0.005	0.002	0.002	0.003	0.001	0.002	0.005	1.192	0.714	0.320	0.948	0.712	0.950
10-14	0.007	0.005	0.005	0.002	0.002	0.003	0.002	0.005	0.004	0.002	0.002	0.002	3.101	1.049	1.370	0.947	1.259	1.896
15-19	0.016	0.015	0.007	0.007	0.004	0.001	0.011	0.009	0.005	0.004	0.002	0.000	1.374	1.636	1.347	2.051	1.910	0.000
20-24	0.013	0.016	0.009	0.010	0.009	0.007	0.013	0.011	0.009	0.008	0.009	0.010	1.180	1.421	0.919	1.350	0.976	0.695
25-29	0.019	0.027	0.025	0.015	0.015	0.007	0.024	0.021	0.018	0.018	0.009	0.009	0.821	1.289	1.391	0.866	1.617	0.829
30-34	0.051	0.041	0.035	0.024	0.022	0.021	0.064	0.048	0.022	0.022	0.017	0.019	0.800	0.857	1.604	1.068	1.294	1.070
35-39	0.095	0.087	0.058	0.032	0.033	0.036	0.158	0.116	0.054	0.041	0.032	0.028	0.604	0.752	1.073	0.772	1.032	1.267
40-44	0.199	0.165	0.108	0.093	0.069	0.066	0.249	0.193	0.109	0.074	0.046	0.048	0.799	0.857	0.995	1.264	1.497	1.362
45-49	0.351	0.303	0.231	0.163	0.118	0.107	0.419	0.329	0.218	0.132	0.090	0.104	0.837	0.922	1.063	1.236	1.315	1.028
50-54	0.661	0.609	0.425	0.287	0.205	0.166	0.648	0.507	0.339	0.221	0.189	0.177	1.020	1.200	1.255	1.294	1.087	0.937
55-59	1.227	1.031	0.808	0.548	0.384	0.356	1.019	0.808	0.540	0.393	0.261	0.244	1.204	1.275	1.497	1.393	1.470	1.462
60-64	2.355	1.820	1.415	0.978	0.747	0.652	1.710	1.400	1.019	0.681	0.485	0.488	1.377	1.300	1.389	1.435	1.542	1.337
65-69	4.367	3.547	2.710	1.948	1.462	1.464	3.413	2.670	1.806	1.372	0.964	0.927	1.279	1.328	1.500	1.419	1.516	1.579
70-74	8.158	6.837	5.434	4.026	2.959	2.848	7.063	5.537	3.893	2.980	2.075	1.871	1.155	1.235	1.396	1.351	1.426	1.522
75-79	15.232	12.219	9.974	7.540	6.397	6.430	14.022	11.110	8.527	6.260	5.126	4.712	1.086	1.100	1.170	1.205	1.248	1.365
80-84	25.722	21.289	17.849	14.419	11.870	11.626	25.474	21.732	17.384	13.984	10.826	10.545	1.010	0.980	1.027	1.031	1.096	1.102
85-89	38.178	35.194	28.991	23.989	19.422	19.186	42.153	37.437	32.053	24.904	21.758	21.331	0.906	0.940	0.904	0.963	0.893	0.899
90-94	53.844	46.035	43.008	33.890	30.359	27.436	57.795	53.074	47.246	41.914	35.684	33.418	0.932	0.867	0.910	0.809	0.851	0.821
95+	55.402	54.068	49.370	36.050	41.521	34.292	75.402	70.871	70.925	56.689	52.742	51.871	0.735	0.763	0.696	0.636	0.787	0.661
CDR	1.000	0.873	0.756	0.636	0.560	0.558	1.417	1.277	1.093	0.955	0.826	0.812	0.706	0.683	0.692	0.666	0.679	0.687
SDR	1.591	1.337	1.088	0.831	0.674	0.650	1.510	1.255	0.975	0.754	0.599	0.573	1.054	1.065	1.116	1.103	1.125	1.134
%CDR	10.655	10.029	9.161	8.076	7.432	7.351	18.610	18.264	16.561	14.337	12.780	12.383						
%SDR	12.157	11.326	10.197	8.784	7.906	7.719	18.905	18.124	16.082	13.505	11.775	11.340						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA — CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS (INCLUDES ASTHMA, EMPHYSEMA AND BRONCHITIS)

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.043	0.072	0.008	0.016	0.010	0.008	0.023	0.042	0.012	0.000	0.011	0.000	1.817	1.715	0.719	0.000	0.949	0.000
1-4	0.009	0.010	0.009	0.005	0.003	0.004	0.013	0.013	0.004	0.004	0.001	0.002	0.653	0.718	2.287	1.526	2.378	1.900
5-9	0.007	0.004	0.003	0.004	0.004	0.002	0.004	0.003	0.002	0.003	0.002	0.002	1.544	1.524	1.913	1.521	2.224	0.950
10-14	0.018	0.008	0.012	0.015	0.007	0.003	0.009	0.009	0.011	0.009	0.008	0.007	1.904	0.945	1.141	1.679	0.944	0.473
15-19	0.017	0.014	0.015	0.019	0.011	0.010	0.019	0.011	0.016	0.021	0.011	0.006	0.904	1.233	0.963	0.912	0.995	1.661
20-24	0.018	0.017	0.014	0.022	0.011	0.004	0.017	0.010	0.014	0.020	0.013	0.001	1.065	1.633	1.010	1.113	0.831	2.908
25-29	0.019	0.009	0.010	0.013	0.013	0.012	0.019	0.017	0.013	0.017	0.009	0.006	1.006	0.571	0.807	0.748	1.461	1.990
30-34	0.023	0.015	0.017	0.019	0.010	0.010	0.019	0.018	0.022	0.018	0.013	0.008	1.179	0.828	0.753	1.054	0.748	1.165
35-39	0.032	0.030	0.028	0.025	0.016	0.015	0.033	0.028	0.020	0.024	0.014	0.009	0.968	1.053	1.393	1.039	1.107	1.672
40-44	0.067	0.044	0.035	0.042	0.029	0.024	0.054	0.067	0.035	0.039	0.027	0.023	1.227	0.659	0.996	1.065	1.070	1.047
45-49	0.137	0.121	0.087	0.070	0.047	0.041	0.099	0.085	0.079	0.074	0.046	0.039	1.387	1.420	1.106	0.945	1.023	1.051
50-54	0.299	0.284	0.228	0.162	0.133	0.128	0.128	0.148	0.133	0.159	0.115	0.139	2.331	1.918	1.713	1.016	1.153	0.917
55-59	0.728	0.598	0.513	0.457	0.312	0.297	0.212	0.214	0.243	0.258	0.242	0.241	3.438	2.790	2.109	1.769	1.292	1.234
60-64	1.489	1.271	1.124	0.966	0.844	0.835	0.316	0.368	0.415	0.458	0.459	0.441	4.715	3.456	2.708	2.112	1.838	1.891
65-69	2.930	2.383	2.051	1.976	1.751	1.759	0.415	0.571	0.681	0.759	0.841	0.964	7.053	4.171	3.014	2.605	2.082	1.825
70-74	5.040	4.526	4.337	3.822	3.245	3.207	0.636	0.725	0.921	1.268	1.336	1.516	7.926	6.240	4.707	3.014	2.430	2.116
75-79	7.782	7.293	7.205	6.267	5.603	5.981	0.902	0.975	1.226	1.582	1.976	2.232	8.632	7.479	5.875	3.961	2.835	2.680
80-84	9.220	10.262	10.721	9.846	8.555	8.855	1.225	1.294	1.588	2.008	2.295	2.442	7.524	7.928	6.753	4.903	3.728	3.627
85-89	11.612	12.445	13.983	13.774	12.536	13.187	1.964	1.866	2.151	2.631	3.042	3.318	5.914	6.671	6.499	5.235	4.121	3.974
90-94	12.536	14.549	17.712	17.498	15.336	15.141	3.299	3.675	3.060	3.181	3.881	4.496	3.800	3.959	5.789	5.501	3.952	3.368
95+	14.804	12.448	22.943	14.457	19.406	17.699	4.198	3.139	4.004	4.243	5.313	6.138	3.526	3.966	5.731	3.407	3.653	2.884
CDR	0.504	0.485	0.502	0.503	0.474	0.494	0.128	0.147	0.176	0.228	0.256	0.283	3.940	3.303	2.854	2.212	1.849	1.746
SDR	0.753	0.706	0.696	0.631	0.550	0.559	0.135	0.147	0.166	0.199	0.211	0.227	5.571	4.805	4.205	3.179	2.610	2.460
%CDR	5.371	5.573	6.085	6.395	6.287	6.505	1.682	2.100	2.668	3.416	3.967	4.311						
%SDR	5.751	5.984	6.524	6.670	6.449	6.646	1.691	2.122	2.730	3.558	4.140	4.503						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA MOTOR VEHICLE TRAFFIC ACCIDENTS

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.105	0.055	0.079	0.074	0.035	0.031	0.083	0.087	0.074	0.034	0.029	0.024	1.263	0.630	1.073	2.137	1.207	1.267
1-4	0.129	0.127	0.103	0.083	0.049	0.046	0.090	0.076	0.080	0.066	0.028	0.028	1.439	1.670	1.282	1.261	1.760	1.629
5-9	0.119	0.114	0.108	0.078	0.061	0.055	0.079	0.065	0.053	0.055	0.036	0.029	1.506	1.758	2.058	1.425	1.687	1.900
10-14	0.110	0.116	0.105	0.078	0.059	0.053	0.069	0.062	0.054	0.040	0.028	0.028	1.590	1.856	1.944	1.965	2.136	1.893
15-19	0.882	0.884	0.726	0.507	0.341	0.286	0.280	0.244	0.203	0.179	0.128	0.116	3.152	3.622	3.577	2.838	2.656	2.457
20-24	0.922	0.901	0.785	0.632	0.400	0.336	0.190	0.181	0.180	0.179	0.129	0.129	4.847	4.983	4.354	3.523	3.098	2.607
25-29	0.491	0.427	0.447	0.363	0.288	0.256	0.115	0.108	0.112	0.104	0.083	0.077	4.276	3.958	3.995	3.494	3.460	3.321
30-34	0.359	0.310	0.294	0.269	0.207	0.205	0.100	0.095	0.080	0.069	0.061	0.052	3.577	3.285	3.678	3.896	3.399	3.917
35-39	0.338	0.295	0.258	0.188	0.131	0.146	0.086	0.107	0.073	0.061	0.054	0.056	3.949	2.770	3.537	3.084	2.448	2.587
40-44	0.281	0.303	0.239	0.175	0.132	0.127	0.114	0.096	0.082	0.061	0.045	0.048	2.459	3.153	2.912	2.883	2.916	2.629
45-49	0.354	0.270	0.236	0.174	0.118	0.093	0.130	0.104	0.087	0.086	0.057	0.046	2.729	2.593	2.697	2.033	2.065	1.995
50-54	0.372	0.260	0.237	0.170	0.135	0.119	0.159	0.120	0.112	0.082	0.073	0.068	2.347	2.166	2.120	2.060	1.863	1.736
55-59	0.380	0.355	0.240	0.185	0.141	0.137	0.168	0.172	0.122	0.114	0.072	0.096	2.262	2.071	1.957	1.616	1.941	1.426
60-64	0.466	0.358	0.274	0.177	0.135	0.102	0.195	0.183	0.140	0.102	0.091	0.074	2.391	1.960	1.957	1.732	1.489	1.382
65-69	0.461	0.426	0.288	0.224	0.172	0.163	0.255	0.195	0.162	0.121	0.122	0.125	1.809	2.187	1.777	1.860	1.403	1.307
70-74	0.593	0.457	0.379	0.314	0.204	0.138	0.264	0.256	0.194	0.178	0.148	0.157	2.250	1.786	1.955	1.761	1.384	0.879
75-79	0.750	0.627	0.534	0.369	0.294	0.222	0.339	0.332	0.281	0.198	0.200	0.179	2.209	1.889	1.901	1.862	1.471	1.241
80-84	1.111	0.690	0.653	0.528	0.430	0.362	0.397	0.373	0.284	0.242	0.174	0.132	2.798	1.850	2.298	2.185	2.471	2.742
85-89	0.789	0.932	0.863	0.630	0.355	0.304	0.345	0.312	0.230	0.238	0.144	0.141	2.285	2.987	3.753	2.648	2.463	2.158
90-94	0.945	0.703	0.542	0.481	0.576	0.610	0.264	0.203	0.290	0.170	0.047	0.034	3.580	3.468	1.869	2.833	12.179	18.173
95+	0.000	0.389	0.581	0.000	0.388	0.553	0.168	0.000	0.080	0.000	0.043	0.120	0.000	0.000	7.253	0.000	9.058	4.596
CDR	0.412	0.381	0.334	0.257	0.183	0.162	0.149	0.137	0.118	0.103	0.079	0.075	2.758	2.781	2.824	2.510	2.325	2.155
SDR	0.435	0.394	0.340	0.260	0.186	0.164	0.151	0.138	0.117	0.101	0.077	0.074	2.886	2.867	2.899	2.579	2.409	2.226
%CDR	4.389	4.381	4.050	3.270	2.427	2.130	1.963	1.960	1.795	1.540	1.218	1.143						
%SDR	3.326	3.341	3.185	2.749	2.178	1.950	1.888	1.986	1.933	1.807	1.515	1.460						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

OTHER ACCIDENTS ..

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.393	0.338	0.190	0.125	0.118	0.154	0.450	0.283	0.130	0.100	0.100	0.089	1.319	1.196	1.460	1.250	1.174	1.730
1-4	0.248	0.234	0.202	0.177	0.138	0.139	0.167	0.132	0.135	0.098	0.096	0.100	1.484	1.769	1.503	1.806	1.439	1.389
5-9	0.105	0.100	0.072	0.050	0.048	0.049	0.042	0.041	0.026	0.019	0.021	0.024	2.517	2.472	2.734	2.706	2.291	2.029
10-14	0.099	0.087	0.079	0.056	0.049	0.042	0.029	0.032	0.028	0.016	0.018	0.010	3.417	2.723	2.772	3.472	2.664	4.263
15-19	0.216	0.210	0.183	0.145	0.127	0.116	0.037	0.047	0.037	0.028	0.034	0.028	5.836	4.466	4.926	5.226	3.712	4.173
20-24	0.271	0.250	0.219	0.211	0.180	0.179	0.035	0.040	0.039	0.037	0.032	0.035	7.695	6.231	5.547	5.768	5.562	5.063
25-29	0.241	0.210	0.239	0.201	0.200	0.201	0.035	0.031	0.035	0.036	0.038	0.041	6.849	6.819	6.808	5.669	5.287	4.943
30-34	0.240	0.224	0.193	0.176	0.173	0.170	0.032	0.035	0.034	0.025	0.030	0.033	7.535	6.489	5.646	6.985	5.860	5.126
35-39	0.293	0.258	0.230	0.160	0.160	0.137	0.044	0.043	0.040	0.028	0.033	0.041	6.716	5.976	5.758	5.757	4.910	3.299
40-44	0.316	0.270	0.233	0.184	0.164	0.174	0.041	0.061	0.058	0.035	0.028	0.023	7.650	4.393	4.012	5.252	5.930	7.470
45-49	0.309	0.282	0.296	0.184	0.162	0.153	0.064	0.079	0.056	0.037	0.040	0.046	4.816	3.575	5.307	5.022	4.060	3.304
50-54	0.333	0.316	0.275	0.217	0.184	0.170	0.092	0.088	0.072	0.050	0.056	0.059	3.637	3.597	3.813	4.337	3.302	2.890
55-59	0.381	0.380	0.293	0.243	0.220	0.177	0.098	0.097	0.079	0.075	0.074	0.074	3.891	3.902	3.699	3.254	2.955	2.395
60-64	0.373	0.367	0.286	0.250	0.250	0.224	0.139	0.119	0.101	0.092	0.073	0.055	2.696	3.073	2.840	2.701	3.345	4.089
65-69	0.436	0.422	0.324	0.301	0.269	0.274	0.196	0.183	0.163	0.136	0.127	0.099	2.228	2.308	1.986	2.215	2.113	2.762
70-74	0.625	0.551	0.445	0.383	0.375	0.406	0.419	0.309	0.235	0.240	0.248	0.253	1.492	1.783	1.894	1.594	1.512	1.607
75-79	1.127	0.921	0.666	0.624	0.602	0.617	1.069	0.884	0.566	0.485	0.407	0.349	1.055	1.042	1.178	1.286	1.481	1.768
80-84	2.169	1.828	1.333	1.152	1.245	1.189	2.370	1.918	1.169	1.045	0.906	0.799	0.916	0.953	1.140	1.103	1.374	1.489
85-89	4.271	3.801	2.769	2.521	2.209	2.159	5.091	3.946	2.847	2.398	1.846	1.973	0.839	0.963	0.973	1.051	1.197	1.094
90-94	7.905	7.035	6.178	4.572	5.384	5.494	9.137	7.580	5.249	4.328	3.776	3.489	0.865	0.928	1.177	1.108	1.426	1.574
95+	13.381	11.291	6.683	6.962	7.379	4.984	12.091	12.560	9.206	7.719	6.772	6.619	1.107	0.899	0.726	0.902	1.090	0.753
CDR	0.303	0.276	0.239	0.204	0.196	0.192	0.174	0.159	0.126	0.114	0.109	0.107	1.744	1.739	1.897	1.792	1.793	1.791
SDR	0.357	0.321	0.268	0.223	0.209	0.202	0.179	0.155	0.116	0.096	0.089	0.086	1.995	2.072	2.305	2.319	2.351	2.361
%CDR	3.230	3.174	2.895	2.596	2.598	2.529	2.285	2.271	1.910	1.712	1.691	1.633						
%SDR	2.729	2.718	2.513	2.354	2.454	2.404	2.241	2.236	1.919	1.721	1.749	1.697						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

PNEUMONIA AND INFLUENZA

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	1.488	0.523	0.192	0.144	0.130	0.146	1.081	0.412	0.151	0.121	0.087	0.073	1.377	1.269	1.278	1.199	1.496	2.006
1-4	0.071	0.034	0.018	0.012	0.004	0.002	0.068	0.032	0.014	0.008	0.006	0.008	1.032	1.037	1.254	1.431	0.633	0.237
5-9	0.011	0.007	0.004	0.001	0.002	0.003	0.008	0.006	0.003	0.002	0.002	0.003	1.332	1.126	1.276	0.474	1.267	0.950
10-14	0.008	0.005	0.004	0.003	0.001	0.000	0.009	0.005	0.002	0.002	0.001	0.000	0.953	0.945	1.918	1.660	0.937	0.000
15-19	0.010	0.008	0.004	0.002	0.004	0.003	0.009	0.007	0.002	0.003	0.001	0.002	1.161	1.181	1.681	0.957	3.820	1.897
20-24	0.020	0.015	0.010	0.003	0.006	0.004	0.011	0.007	0.002	0.003	0.005	0.007	1.771	2.205	4.615	1.157	1.172	0.583
25 29	0.019	0.016	0.009	0.008	0.005	0.001	0.021	0.014	0.004	0.006	0.005	0.006	0.903	1.177	2.372	1.424	1.092	0.250
30-34	0.037	0.019	0.010	0.012	0.009	0.004	0.030	0.018	0.007	0.004	0.005	0.003	1.221	1.053	1.460	3.280	1.996	1.500
35-39	0.052	0.037	0.017	0.011	0.014	0.016	0.036	0.016	0.007	0.007	0.008	0.010	1.438	2.267	2.504	1.531	1.751	1.577
40-44	0.069	0.061	0.030	0.023	0.017	0.018	0.051	0.028	0.016	0.009	0.006	0.006	1.358	2.231	1.904	2.633	3.016	2.944
45-49	0.133	0.088	0.047	0.031	0.034	0.030	0.067	0.044	0.019	0.015	0.012	0.017	2.002	1.996	2.518	2.100	2.864	1.812
50-54	0.205	0.138	0.084	0.056	0.039	0.038	0.102	0.078	0.033	0.021	0.019	0.016	2.024	1.763	2.522	2.616	2.025	2.306
55-59	0.288	0.171	0.105	0.078	0.060	0.056	0.146	0.093	0.040	0.044	0.034	0.044	1.971	1.829	2.603	1.770	1.742	1.284
60-64	0.420	0.285	0.162	0.146	0.125	0.108	0.220	0.148	0.087	0.069	0.059	0.060	1.913	1.926	1.862	2.121	2.110	1.788
65-69	0.707	0.468	0.287	0.236	0.204	0.234	0.344	0.234	0.168	0.140	0.109	0.088	2.056	1.998	1.708	1.680	1.871	2.660
70-74	1.394	0.909	0.674	0.508	0.460	0.502	0.679	0.473	0.321	0.264	0.250	0.277	2.054	1.922	2.102	1.925	1.836	1.814
75-79	2.936	2.039	1.407	0.764	0.740	0.868	1.564	1.171	0.626	0.517	0.436	0.418	1.877	1.742	2.247	1.479	1.698	2.075
80-84	5.496	4.609	3.254	2.006	1.833	2.047	3.241	2.645	1.796	1.315	1.066	1.023	1.696	1.742	1.812	1.526	1.720	2.001
85-89	10.384	9.702	7.131	4.538	4.180	4.589	6.483	6.459	4.710	3.495	2.790	2.626	1.602	1.502	1.514	1.298	1.498	1.747
90-94	21.823	19.894	15.711	12.313	10.726	11.381	13.756	12.701	10.553	7.382	7.324	7.247	1.586	1.566	1.489	1.668	1.465	1.570
95+	25.803	36.571	29.627	20.873	22.515	22.677	26.868	25.239	22.895	15.852	17.181	17.692	0.960	1.449	1.294	1.317	1.310	1.282
CDR	0.260	0.188	0.134	0.103	0.102	0.113	0.225	0.186	0.140	0.120	0.115	0.117	1.157	1.009	0.963	0.855	0.890	0.970
SDR	0.395	0.304	0.211	0.144	0.131	0.141	0.237	0.183	0.122	0.092	0.081	0.080	1.671	1.660	1.727	1.560	1.622	1.751
%CDR	2.772	2.155	1.628	1.307	1.352	1.490	2.955	2.658	2.116	1.807	1.772	1.778						
%SDR	3.020	2.575	1.976	1.523	1.542	1.671	2.962	2.644	2.013	1.655	1.592	1.590						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

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DIABETES MELLITUS

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.005	0.000	0.000	0.000	0.000	0.000	0.005	0.009	0.000	0.000	0.003	0.008	0.962	0.000	0.000	0.000	0.000	0.000
1-4	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.001	0.002	0.000	0.000	1.907	0.000	0.000	0.000
5-9	0.002	0.002	0.000	0.001	0.001	0.000	0.002	0.001	0.000	0.001	0.000	0.000	1.267	2.868	0.000	1.897	0.000	0.000
10-14	0.001	0.003	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.634	2.370	1.447	1.904	1.891	0.000
15-19	0.003	0.001	0.001	0.001	0.001	0.000	0.005	0.003	0.003	0.000	0.001	0.000	0.724	0.160	0.385	0.000	1.900	0.000
20-24	0.005	0.003	0.004	0.003	0.003	0.006	0.004	0.002	0.002	0.002	0.003	0.001	1.234	1.465	1.942	1.934	0.976	3.880
25-29	0.006	0.006	0.006	0.002	0.006	0.004	0.010	0.002	0.003	0.005	0.004	0.003	0.601	2.439	1.954	0.542	1.435	1.491
30-34	0.009	0.013	0.011	0.007	0.010	0.014	0.012	0.009	0.009	0.003	0.004	0.003	0.801	1.374	1.214	2.593	2.439	4.996
35-39	0.019	0.022	0.016	0.014	0.011	0.010	0.016	0.018	0.009	0.007	0.009	0.010	1.151	1.202	1.775	1.807	1.167	1.004
40-44	0.038	0.037	0.025	0.029	0.026	0.028	0.028	0.023	0.015	0.017	0.011	0.014	1.354	1.621	1.692	1.747	2.416	1.964
45-49	0.045	0.032	0.042	0.035	0.039	0.034	0.046	0.037	0.023	0.019	0.017	0.017	1.400	0.869	1.823	1.847	2.329	2.025
50-54	0.106	0.087	0.080	0.077	0.061	0.051	0.060	0.061	0.050	0.054	0.047	0.040	1.765	1.432	1.597	1.431	1.314	1.285
55-59	0.208	0.173	0.140	0.146	0.149	0.150	0.174	0.129	0.093	0.112	0.114	0.118	1.192	1.341	1.506	1.305	1.302	1.274
60-64	0.384	0.330	0.295	0.268	0.289	0.260	0.315	0.202	0.172	0.199	0.185	0.214	1.220	1.628	1.711	1.345	1.565	1.215
65-69	0.599	0.529	0.420	0.466	0.490	0.498	0.621	0.460	0.378	0.321	0.358	0.371	0.965	1.149	1.112	1.451	1.371	1.342
70-74	1.120	0.927	0.774	0.758	0.788	0.782	1.096	0.842	0.615	0.602	0.560	0.587	1.022	1.101	1.259	1.260	1.407	1.331
75-79	1.628	1.310	1.230	1.278	1.346	1.423	1.767	1.312	1.053	1.061	1.029	1.068	0.921	0.999	1.168	1.205	1.308	1.332
80-84	2.221	2.092	1.678	1.919	1.891	1.832	2.251	1.757	1.675	1.686	1.573	1.623	0.987	1.191	1.001	1.152	1.203	1.129
85-89	2.711	2.865	2.279	3.147	3.163	3.400	2.645	2.147	2.170	2.249	2.201	2.293	1.025	1.334	1.050	1.399	1.437	1.483
90-94	1.889	3.022	3.628	3.172	4.496	3.150	2.376	2.712	3.168	2.814	2.958	2.919	0.795	1.114	1.145	1.127	1.520	1.079
95+	3.343	1.945	2.033	2.561	2.716	2.765	2.520	1.690	2.962	3.426	4.327	4.694	1.327	1.151	0.686	0.748	0.628	0.589
CDR	0.121	0.109	0.101	0.115	0.129	0.130	0.161	0.131	0.121	0.131	0.137	0.145	0.752	0.832	0.834	0.872	0.942	0.901
SDR	0.175	0.155	0.134	0.141	0.147	0.145	0.171	0.131	0.111	0.110	0.108	0.112	1.028	1.182	1.204	1.279	1.362	1.291
%CDR	1.289	1.255	1.220	1.455	1.707	1.718	2.112	1.878	1.831	1.971	2.113	2.205						
%SDR	1.339	1.311	1.251	1.486	1.722	1.723	2.134	1.889	1.829	1.970	2.119	2.224						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

SUICIDE

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-9	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-14	0.008	0.009	0.010	0.014	0.009	0.008	0.004	0.003	0.002	0.003	0.002	0.003	1.906	3.399	6.406	4.438	4.018	2.358
15-19	0.099	0.100	0.105	0.157	0.184	0.184	0.041	0.028	0.021	0.043	0.043	0.048	2.430	3.631	4.866	3.691	4.270	3.822
20-24	0.180	0.198	0.262	0.306	0.352	0.348	0.067	0.055	0.059	0.066	0.066	0.065	2.670	3.622	4.465	4.632	5.314	5.337
25-29	0.192	0.200	0.249	0.299	0.316	0.327	0.095	0.059	0.075	0.064	0.067	0.061	2.008	3.406	3.341	4.677	4.722	5.340
30-34	0.198	0.200	0.210	0.257	0.280	0.283	0.096	0.076	0.057	0.049	0.076	0.080	2.056	2.631	3.693	5.197	3.686	3.524
35-39	0.247	0.210	0.212	0.222	0.291	0.269	0.127	0.087	0.087	0.073	0.063	0.067	1.951	2.412	2.445	3.066	4.628	4.026
40-44	0.263	0.253	0.244	0.273	0.245	0.229	0.145	0.116	0.093	0.067	0.074	0.078	1.818	2.169	2.631	4.091	3.333	2.939
45-49	0.303	0.263	0.242	0.229	0.249	0.278	0.174	0.147	0.109	0.099	0.073	0.061	1.736	1.792	2.226	2.319	3.504	4.524
50-54	0.346	0.260	0.219	0.251	0.243	0.233	0.169	0.125	0.113	0.087	0.069	0.068	2.051	2.077	1.949	2.885	3.498	3.398
55-59	0.307	0.222	0.248	0.271	0.238	0.214	0.150	0.143	0.102	0.091	0.086	0.077	2.050	1.550	2.438	2.986	2.779	2.790
60-64	0.261	0.212	0.239	0.250	0.224	0.249	0.164	0.108	0.083	0.075	0.070	0.066	1.595	1.960	2.879	3.064	3.180	3.773
65-69	0.301	0.277	0.268	0.226	0.239	0.255	0.116	0.091	0.083	0.082	0.067	0.068	2.586	3.027	3.241	2.744	3.552	3.744
70-74	0.320	0.330	0.241	0.320	0.274	0.297	0.151	0.083	0.089	0.082	0.077	0.072	2.116	3.980	2.714	3.899	3.570	4.132
75-79	0.433	0.248	0.324	0.327	0.289	0.289	0.090	0.080	0.093	0.094	0.086	0.100	4.797	3.098	3.487	3.478	3.372	2.881
80-84	0.304	0.281	0.372	0.412	0.379	0.283	0.103	0.063	0.078	0.067	0.080	0.053	2.968	4.426	4.743	6.115	4.722	5.345
85-89	0.364	0.380	0.358	0.424	0.384	0.387	0.039	0.053	0.038	0.067	0.099	0.103	9.224	7.129	9.359	6.311	3.879	3.768
90-94	0.258	0.352	0.488	0.385	0.538	0.406	0.000	0.000	0.054	0.014	0.024	0.000	0.000	0.000	8.986	27.202	22.720	0.000
95+	0.000	0.000	0.291	0.183	0.582	0.553	0.000	0.000	0.000	0.000	0.043	0.121	0.000	0.000	0.000	0.000	13.574	4.586
CDR	0.168	0.155	0.169	0.196	0.209	0.209	0.082	0.063	0.057	0.054	0.054	0.054	2.044	2.467	2.961	3.606	3.847	3.866
SDR	0.185	0.168	0.177	0.199	0.209	0.208	0.087	0.066	0.058	0.054	0.053	0.052	2.117	2.546	3.032	3.694	3.961	3.972
%CDR	1.790	1.784	2.047	2.491	2.773	2.753	1.080	0.900	0.865	0.817	0.841	0.824						
%SDR	1.414	1.419	1.660	2.104	2.449	2.468	1.094	0.950	0.963	0.965	1.036	1.036						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.005	0.003	0.003	0.000	0.000	0.000	0.005	0.003	0.003	0.006	0.000	0.000	0.962	0.960	0.959	0.000	0.000	0.000
1-4	0.005	0.001	0.001	0.000	0.001	0.002	0.006	0.002	0.000	0.001	0.001	0.000	0.835	0.639	0.000	0.000	0.941	0.000
5-9	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.945	0.479	1.907	0.000	0.000	0.000
10-14	0.003	0.002	0.000	0.001	0.000	0.000	0.003	0.003	0.002	0.000	0.000	0.000	0.952	0.471	0.000	0.000	0.000	0.000
15-19	0.004	0.004	0.002	0.001	0.000	0.000	0.005	0.003	0.001	0.002	0.001	0.002	0.752	1.278	2.904	0.638	0.000	0.000
20-24	0.011	0.005	0.003	0.002	0.002	0.000	0.007	0.003	0.002	0.001	0.001	0.000	1.523	1.568	1.457	4.804	1.948	0.000
25-29	0.007	0.009	0.003	0.002	0.002	0.003	0.007	0.005	0.000	0.002	0.001	0.001	0.934	1.947	0.000	0.980	1.329	1.993
30-34	0.010	0.012	0.001	0.002	0.002	0.001	0.013	0.007	0.002	0.004	0.002	0.000	0.811	1.692	0.486	0.499	0.799	0.000
35-39	0.020	0.011	0.008	0.006	0.003	0.001	0.025	0.017	0.009	0.003	0.004	0.001	0.802	0.630	0.887	2.139	0.858	1.007
40-44	0.029	0.027	0.007	0.003	0.008	0.005	0.031	0.018	0.016	0.008	0.005	0.003	0.932	1.461	0.428	0.396	1.627	1.473
45-49	0.038	0.034	0.024	0.013	0.015	0.011	0.060	0.042	0.042	0.018	0.008	0.006	0.643	0.817	0.570	0.730	1.908	1.919
50-54	0.069	0.059	0.038	0.020	0.011	0.007	0.088	0.073	0.055	0.043	0.031	0.016	0.784	0.811	0.684	0.477	0.351	0.407
55-59	0.114	0.071	0.048	0.045	0.018	0.021	0.130	0.088	0.107	0.060	0.060	0.066	0.877	0.809	0.446	0.748	0.300	0.326
60-64	0.171	0.127	0.089	0.073	0.055	0.058	0.132	0.143	0.118	0.102	0.072	0.063	1.294	0.885	0.753	0.719	0.769	0.921
65-69	0.232	0.220	0.191	0.138	0.144	0.129	0.161	0.144	0.186	0.179	0.143	0.142	1.443	1.529	1.022	0.771	1.003	0.911
70-74	0.341	0.359	0.263	0.268	0.222	0.217	0.171	0.237	0.303	0.296	0.257	0.225	1.999	1.517	0.868	0.905	0.861	0.965
75-79	0.565	0.642	0.829	0.748	0.784	0.850	0.361	0.339	0.501	0.546	0.594	0.593	1.568	1.893	1.655	1.371	1.320	1.434
80-84	0.829	0.925	1.575	1.638	1.611	1.493	0.431	0.489	0.852	0.910	0.970	0.950	1.923	1.892	1.848	1.800	1.662	1.571
85-89	1.012	1.243	2.490	2.633	3.232	2.654	0.602	0.693	1.302	1.768	1.922	1.870	1.681	1.793	1.912	1.490	1.682	1.419
90-94	1.374	2.460	4.549	4.566	6.033	5.995	1.122	0.938	2.534	2.785	3.088	2.886	1.225	2.623	1.795	1.639	1.954	2.078
95+	1.910	3.501	6.388	5.486	10.477	12.721	0.840	1.328	3.042	4.192	4.284	3.851	2.275	2.636	2.100	1.309	2.445	3.303
CDR	0.052	0.052	0.058	0.060	0.068	0.068	0.052	0.051	0.073	0.081	0.085	0.082	0.997	1.007	0.799	0.741	0.805	0.820
SDR	0.074	0.075	0.087	0.082	0.087	0.084	0.056	0.052	0.067	0.066	0.064	0.060	1.325	1.440	1.300	1.238	1.365	1.391
%CDR	0.557	0.592	0.702	0.759	0.905	0.889	0.689	0.732	1.100	1.210	1.313	1.255						
%SDR	0.562	0.631	0.813	0.863	1.023	0.997	0.695	0.747	1.102	1.182	1.256	1.194						

Notes - (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA
CHRONIC LIVER DISEASE AND CIRRHOSIS

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	0.010	0.006	0.006	0.000	0.003	0.000	0.016	0.003	0.006	0.000	0.000	0.000	0.641	1.920	0.959	0.000	0.000	0.000
1-4	0.002	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.574	0.000	0.000	0.000	0.000	0.000
5-9	0.002	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	1.427	0.000	0.000	0.000	0.000	0.000
10-14	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.945	0.000	0.000	0.000	0.000
15-19	0.003	0.003	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.000	0.001	0.000	1.609	2.880	0.000	0.000	0.000	0.000
20-24	0.002	0.003	0.004	0.001	0.001	0.000	0.001	0.002	0.004	0.001	0.000	0.001	2.867	1.634	0.853	1.441	1.958	0.000
25-29	0.004	0.008	0.010	0.012	0.010	0.009	0.001	0.003	0.007	0.004	0.007	0.003	2.811	2.920	1.550	3.354	1.456	2.979
30-34	0.011	0.027	0.028	0.033	0.027	0.022	0.011	0.005	0.014	0.011	0.011	0.008	1.007	5.372	1.985	2.991	2.515	2.664
35-39	0.051	0.083	0.062	0.051	0.055	0.053	0.023	0.025	0.021	0.022	0.020	0.016	2.261	3.293	2.923	2.328	2.795	3.282
40-44	0.099	0.162	0.124	0.095	0.079	0.073	0.042	0.048	0.056	0.043	0.023	0.020	2.338	3.392	2.217	2.198	3.360	3.626
45-49	0.177	0.263	0.234	0.162	0.141	0.135	0.065	0.083	0.072	0.057	0.038	0.043	2.722	3.155	3.263	2.834	3.718	3.169
50-54	0.256	0.386	0.389	0.279	0.201	0.235	0.112	0.113	0.136	0.082	0.062	0.049	2.282	3.409	2.857	3.380	3.229	4.748
55-59	0.296	0.427	0.462	0.364	0.295	0.284	0.119	0.175	0.156	0.113	0.083	0.071	2.477	2.445	2.969	3.212	3.566	3.990
60-64	0.264	0.445	0.481	0.439	0.361	0.387	0.111	0.181	0.142	0.148	0.106	0.096	2.372	2.464	3.383	2.973	3.395	4.033
65-69	0.350	0.423	0.430	0.449	0.413	0.391	0.118	0.138	0.139	0.129	0.147	0.145	2.969	3.058	3.101	3.469	2.810	2.702
70-74	0.336	0.359	0.395	0.387	0.324	0.297	0.120	0.122	0.154	0.152	0.137	0.123	2.794	2.949	2.567	2.553	2.364	2.415
75-79	0.231	0.297	0.349	0.286	0.298	0.277	0.090	0.139	0.110	0.132	0.139	0.170	2.566	2.136	3.172	2.167	2.143	1.630
80-84	0.167	0.159	0.276	0.297	0.233	0.215	0.094	0.119	0.095	0.118	0.124	0.145	1.782	1.334	2.914	2.514	1.882	1.480
85-89	0.344	0.173	0.147	0.218	0.256	0.304	0.079	0.069	0.083	0.093	0.063	0.051	4.357	2.520	1.769	2.348	4.067	5.934
90-94	0.172	0.070	0.054	0.096	0.077	0.102	0.066	0.051	0.072	0.099	0.118	0.168	2.603	1.388	0.750	0.972	0.650	0.606
95+	0.000	0.000	0.000	0.183	0.194	0.000	0.168	0.000	0.000	0.000	0.086	0.000	0.000	0.000	0.000	0.000	2.264	0.000
CDR	0.081	0.118	0.120	0.106	0.093	0.093	0.036	0.045	0.045	0.040	0.035	0.034	2.232	2.601	2.665	2.639	2.655	2.755
SDR	0.091	0.127	0.128	0.110	0.094	0.093	0.037	0.045	0.045	0.038	0.032	0.030	2.469	2.798	2.865	2.873	2.911	3.062
%CDR	0.862	1.354	1.458	1.344	1.232	1.221	0.476	0.647	0.685	0.602	0.542	0.513						
%SDR	0.692	1.074	1.199	1.163	1.101	1.102	0.459	0.654	0.737	0.686	0.634	0.600						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

ALL OTHER CAUSES

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	17.579	14.345	11.168	10.043	8.023	7.791	13.340	10.912	8.643	7.752	6.253	5.969	1.318	1.315	1.292	1.296	1.283	1.305
1-4	0.402	0.283	0.233	0.193	0.186	0.181	0.339	0.255	0.187	0.172	0.155	0.154	1.186	1.112	1.245	1.121	1.198	1.172
5-9	0.112	0.085	0.083	0.071	0.054	0.053	0.108	0.086	0.058	0.062	0.051	0.055	1.043	0.995	1.426	1.157	1.061	0.978
10-14	0.087	0.092	0.067	0.070	0.045	0.048	0.079	0.061	0.056	0.050	0.050	0.056	1.104	1.496	1.198	1.408	0.904	0.863
15-19	0.170	0.159	0.126	0.147	0.126	0.125	0.115	0.104	0.088	0.087	0.095	0.088	1.480	1.534	1.428	1.691	1.323	1.416
20-24	0.173	0.191	0.165	0.213	0.225	0.225	0.133	0.119	0.111	0.138	0.120	0.110	1.298	1.597	1.488	1.549	1.880	2.032
25-29	0.157	0.174	0.202	0.249	0.315	0.327	0.156	0.128	0.116	0.124	0.142	0.125	1.008	1.357	1.732	2.012	2.214	2.614
30-34	0.179	0.207	0.168	0.235	0.369	0.396	0.224	0.168	0.115	0.118	0.132	0.139	0.799	1.233	1.468	1.985	2.808	2.839
35-39	0.290	0.252	0.201	0.253	0.360	0.371	0.302	0.224	0.129	0.101	0.136	0.136	0.959	1.124	1.559	2.510	2.646	2.726
40-44	0.423	0.382	0.253	0.259	0.369	0.387	0.412	0.317	0.179	0.163	0.141	0.137	1.027	1.205	1.415	1.593	2.624	2.823
45-49	0.614	0.599	0.423	0.364	0.436	0.442	0.553	0.395	0.303	0.221	0.231	0.217	1.110	1.518	1.393	1.649	1.891	2.033
50-54	0.941	0.842	0.693	0.494	0.565	0.557	0.747	0.521	0.384	0.339	0.311	0.316	1.259	1.614	1.808	1.456	1.819	1.765
55-59	1.484	1.286	1.038	0.891	0.808	0.798	1.045	0.785	0.602	0.511	0.482	0.501	1.420	1.638	1.726	1.744	1.675	1.594
60-64	2.304	2.005	1.637	1.444	1.539	1.550	1.451	1.231	0.979	0.871	0.847	0.915	1.589	1.628	1.673	1.658	1.818	1.694
65-69	3.832	3.326	3.019	2.648	2.565	2.572	2.059	1.851	1.654	1.543	1.538	1.471	1.861	1.796	1.826	1.716	1.667	1.748
70-74	6.478	5.492	5.310	4.858	4.414	4.303	3.882	3.214	3.040	2.924	2.889	2.961	1.669	1.709	1.747	1.661	1.528	1.454
75-79	11.714	9.693	9.306	8.714	8.806	8.723	7.404	5.828	5.605	5.644	5.548	5.780	1.582	1.663	1.660	1.544	1.587	1.509
80-84	20.569	17.721	16.342	16.093	15.831	15.902	14.378	11.728	11.444	11.501	11.178	11.700	1.431	1.511	1.428	1.399	1.416	1.359
85-89	33.694	29.859	27.121	27.480	27.805	28.340	26.260	22.520	21.924	21.843	22.100	22.112	1.283	1.326	1.237	1.258	1.258	1.282
90-94	58.237	48.942	48.240	49.192	44.129	40.650	47.047	40.175	40.324	40.621	39.697	40.800	1.238	1.218	1.196	1.211	1.112	0.996
95+	82.644	75.500	70.036	56.015	73.555	71.357	81.457	71.116	67.904	61.045	68.597	68.119	1.015	1.062	1.031	0.918	1.072	1.048
CDR	1.388	1.168	1.062	1.072	1.137	1.152	1.295	1.079	1.028	1.082	1.119	1.157	1.072	1.082	1.033	0.991	1.016	0.996
SDR	1.803	1.553	1.378	1.305	1.294	1.287	1.297	1.062	0.942	0.903	0.875	0.885	1.390	1.462	1.463	1.446	1.478	1.453
%CDR	14.782	13.418	12.865	13.614	15.078	15.183	17.010	15.430	15.586	16.240	17.315	17.633						
%SDR	13.775	13.156	12.916	13.789	15.177	15.290	16.238	15.334	15.538	16.170	17.203	17.332						

Notes (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T0.4 : AGE-SPECIFIC DEATH RATES(a), STANDARDISED DEATH RATES(a), AND THE RATIO OF MALE TO FEMALE RATES AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992, AUSTRALIA

ALL CAUSES

	Males						*Females*						*Ratio of males to females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0	19.948	15.452	11.777	10.517	8.390	8.236	15.155	11.858	9.108	8.124	6.548	6.219	1.316	1.303	1.293	1.295	1.281	1.324
1-4	0.981	0.775	0.648	0.534	0.431	0.419	0.774	0.585	0.489	0.398	0.334	0.356	1.267	1.326	1.324	1.343	1.290	1.174
5-9	0.450	0.371	0.337	0.254	0.208	0.195	0.321	0.265	0.197	0.184	0.147	0.156	1.401	1.401	1.714	1.382	1.411	1.253
10-14	0.411	0.391	0.338	0.290	0.209	0.198	0.262	0.228	0.199	0.153	0.146	0.133	1.569	1.712	1.700	1.890	1.427	1.484
15-19	1.513	1.493	1.266	1.066	0.878	0.805	0.594	0.518	0.433	0.415	0.364	0.335	2.548	2.884	2.925	2.569	2.413	2.406
20-24	1.762	1.715	1.578	1.522	1.283	1.192	0.573	0.506	0.493	0.516	0.439	0.428	3.074	3.386	3.200	2.949	2.921	2.785
25-29	1.342	1.278	1.366	1.312	1.318	1.285	0.643	0.518	0.497	0.501	0.474	0.427	2.087	2.468	2.747	2.619	2.778	3.007
30-34	1.477	1.401	1.240	1.285	1.357	1.354	0.889	0.744	0.581	0.561	0.546	0.560	1.661	1.883	2.136	2.289	2.483	2.416
35-39	2.241	1.979	1.671	1.440	1.517	1.470	1.403	1.200	0.886	0.780	0.755	0.734	1.597	1.649	1.886	1.845	2.010	2.002
40-44	3.417	3.269	2.620	2.200	2.016	2.002	2.184	1.963	1.507	1.301	1.115	1.129	1.564	1.665	1.739	1.690	1.808	1.774
45-49	5.961	5.624	4.694	3.566	3.099	2.980	3.555	3.107	2.583	2.194	1.865	1.820	1.677	1.810	1.817	1.626	1.662	1.637
50-54	9.853	9.121	7.887	6.338	5.199	5.074	5.454	4.842	4.012	3.622	3.146	3.110	1.807	1.884	1.966	1.750	1.652	1.632
55-59	16.523	14.665	12.860	10.934	9.068	8.665	8.351	7.326	6.268	5.712	4.958	4.945	1.979	2.002	2.052	1.914	1.829	1.753
60-64	26.536	23.551	20.297	17.830	15.514	15.231	12.690	11.428	9.829	8.790	7.933	7.783	2.091	2.061	2.065	2.028	1.956	1.957
65-69	41.292	36.932	32.859	28.558	25.329	25.034	20.690	18.103	15.856	14.530	13.025	12.675	1.996	2.040	2.072	1.965	1.945	1.975
70-74	63.604	57.300	52.203	45.878	40.061	39.769	35.432	29.859	25.803	24.706	22.082	21.694	1.795	1.919	2.023	1.857	1.814	1.833
75-79	99.953	87.168	81.954	72.418	66.296	66.406	61.331	51.214	45.352	41.594	38.318	37.969	1.630	1.702	1.807	1.741	1.730	1.749
80-84	145.469	133.841	122.909	114.262	105.068	104.418	102.272	88.314	77.975	73.573	66.455	67.287	1.422	1.516	1.576	1.553	1.581	1.552
85-89	213.137	197.960	181.247	171.310	157.798	158.980	166.048	147.975	134.363	120.972	115.995	116.613	1.284	1.338	1.349	1.416	1.360	1.363
90-94	306.847	277.525	275.818	256.276	241.864	233.538	245.105	226.288	213.684	201.302	190.778	189.646	1.252	1.226	1.291	1.273	1.268	1.231
95+	364.430	354.807	359.316	274.505	337.061	321.937	360.386	331.055	322.793	289.497	299.407	306.546	1.011	1.072	1.113	0.948	1.126	1.050
CDR	9.390	8.702	8.257	7.872	7.539	7.590	7.613	6.993	6.598	6.660	6.461	6.560	1.233	1.244	1.251	1.182	1.167	1.157
SDR	13.090	11.802	10.672	9.466	8.526	8.414	7.990	6.925	6.064	5.583	5.088	5.049	1.638	1.704	1.760	1.696	1.676	1.666
%CDR	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000						
%SDR	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000						

Notes - (a) Per 1,000. CDR is the crude death rate, SDR is the standardised death rate and is calculated by using the 1986 population of persons by age for Australia as standard. % CDR and %SDR represent percentage contribution of a cause to that for all causes.

TABLE T1.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – NEW SOUTH WALES

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	19.95	16.16	11.99	10.22	8.34	8.08	15.09	12.10	8.84	8.13	6.50	5.92
1-4	3.73	2.88	2.53	1.96	1.79	1.64	2.86	2.25	1.96	1.36	1.29	1.32
5-9	2.25	1.85	1.71	1.27	1.07	0.82	1.45	1.24	0.89	0.99	0.75	0.76
10-14	2.00	2.01	1.42	1.49	0.95	0.91	1.30	1.13	1.10	0.78	0.66	0.44
15-19	7.29	7.17	6.61	5.42	4.44	4.13	2.77	2.35	2.30	2.04	1.67	1.37
20-24	8.36	8.49	8.50	7.94	5.92	5.89	2.62	2.70	2.49	2.57	2.19	1.98
25-29	6.85	6.23	7.33	6.36	6.71	6.43	3.13	2.97	2.64	2.59	2.19	1.87
30-34	7.04	6.98	6.10	6.58	7.39	7.92	4.73	3.68	3.28	2.89	2.68	2.96
35-39	11.31	9.92	8.46	7.33	8.03	7.78	7.60	6.74	4.53	3.95	3.76	3.89
40-44	17.40	16.71	12.89	11.32	11.00	10.97	11.93	10.65	8.39	6.49	5.57	5.23
45-49	30.37	28.92	23.74	18.00	16.31	15.20	18.84	16.15	13.42	11.34	9.50	9.16
50-54	50.24	46.72	40.14	32.28	26.77	25.32	28.92	24.58	20.33	18.66	16.12	17.36
55-59	82.95	73.08	63.74	55.34	46.31	45.14	43.91	37.33	32.01	28.99	24.88	24.68
60-64	131.54	114.29	99.27	86.86	77.34	77.84	65.23	58.60	49.85	45.19	39.20	39.97
65-69	193.79	174.84	158.00	137.69	122.08	121.13	102.38	91.13	80.22	71.39	64.40	62.81
70-74	286.01	258.24	237.60	211.47	186.95	188.70	170.64	146.13	124.81	118.55	107.78	104.54
75-79	411.27	361.36	348.17	315.30	291.97	291.33	275.14	230.21	207.66	191.75	181.10	180.18
80-84	531.52	498.67	469.92	446.61	423.59	422.61	413.34	358.98	332.22	316.46	287.50	288.04
85-89	675.48	646.18	623.32	600.71	566.81	571.99	581.16	535.82	505.94	464.75	458.58	468.47
90-94	815.23	776.70	769.08	744.24	726.59	711.57	719.90	696.65	677.26	656.72	631.76	613.90
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T1.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – NEW SOUTH WALES

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	19.950	16.160	11.990	10.220	8.340	8.080	15.090	12.100	8.840	8.130	6.500	5.920
1-14	7.959	6.728	5.655	4.718	3.810	3.365	5.600	4.616	3.947	3.135	2.699	2.522
15-44	56.889	54.256	48.883	44.131	42.724	42.355	32.374	28.766	23.392	20.344	17.925	17.178
45-64	266.566	240.012	209.755	180.265	157.595	154.810	148.472	130.299	111.059	100.488	86.966	88.343
65-84	841.239	804.030	778.193	742.361	708.688	708.245	683.423	617.050	574.075	547.786	512.948	510.170
85-94	940.039	920.993	913.017	897.879	881.562	876.546	882.683	859.194	840.546	816.262	800.627	794.778
l_x (l_0 = 100 000)												
x =												
30	95055	95599	96053	96581	97111	97242	97107	97548	97994	98167	98484	98641
50	88910	89747	91221	92469	93025	93232	92983	93963	95121	95767	96382	96561
70	54219	57958	62174	66561	69939	70323	72437	75492	78832	80911	83122	83265
85	10677	13765	16378	19887	23207	23345	25547	31808	36505	39402	43271	43519
e_x (years)												
x =												
0	67.829	69.311	70.890	72.571	73.961	74.117	74.460	76.302	78.033	79.085	80.248	80.378
10	59.598	60.761	62.036	63.542	64.784	64.894	65.908	67.491	68.942	69.910	70.928	71.016
65	12.206	13.053	13.648	14.495	15.278	15.284	15.876	17.047	17.920	18.543	19.148	19.221

Note Based on abridged life tables.

TABLE T1.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – NEW SOUTH WALES

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) $x =$												
0	1.024	1.077	1.045	0.992	1.010	1.040	1.005	1.022	0.977	1.024	1.005	1.005
1-14	0.971	0.977	0.951	0.974	1.002	0.926	0.934	0.963	1.005	0.958	0.965	0.880
15-44	0.996	1.002	1.028	1.022	1.042	1.066	1.044	1.069	1.076	1.009	0.980	0.960
45-64	1.042	1.029	1.023	1.023	1.037	1.046	1.062	1.041	1.034	1.039	1.015	1.044
65-84	1.010	1.005	1.009	1.010	1.013	1.015	1.017	1.007	1.015	1.011	1.013	1.009
85-94	1.004	1.003	1.003	1.005	1.006	1.006	0.999	1.001	1.005	1.005	1.006	1.000
l_x (l_0 = 100 000) $x =$												
30	1.000	0.999	0.998	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.001
50	0.999	0.998	0.998	0.999	0.997	0.997	0.998	0.997	0.998	0.999	1.000	1.001
70	0.978	0.984	0.986	0.990	0.989	0.986	0.985	0.988	0.990	0.994	0.998	0.996
85	0.937	0.968	0.963	0.966	0.961	0.954	0.955	0.982	0.975	0.982	0.986	0.988
e_x (years) $x =$												
0	0.995	0.996	0.995	0.996	0.995	0.994	0.995	0.996	0.996	0.997	0.998	0.998
10	0.994	0.996	0.995	0.996	0.995	0.994	0.993	0.995	0.995	0.997	0.998	0.998
65	0.982	0.989	0.986	0.987	0.988	0.986	0.986	0.991	0.990	0.994	0.991	0.993

Note Based on abridged life tables.

TABLE T1.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – NEW SOUTH WALES

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	5.373	4.678	4.053	3.379	2.798	2.745	3.018	2.546	2.150	1.894	1.632	1.605
Malignant neoplasms (cancer)	2.160	2.219	2.310	2.301	2.289	2.337	1.288	1.286	1.302	1.331	1.318	1.315
Cerebrovascular disease (stroke)	1.735	1.443	1.227	0.928	0.748	0.732	1.617	1.359	1.076	0.812	0.663	0.629
Chronic obstructive pulmonary disease and allied conditions (includes asthma, emphysema and bronchitis)	0.791	0.696	0.661	0.638	0.562	0.580	0.148	0.148	0.167	0.210	0.230	0.247
Motor vehicle traffic accidents	0.401	0.384	0.364	0.255	0.174	0.164	0.139	0.135	0.126	0.099	0.070	0.063
Other accidents	0.334	0.310	0.268	0.229	0.218	0.211	0.166	0.150	0.118	0.099	0.086	0.086
Pneumonia and influenza	0.414	0.268	0.169	0.128	0.098	0.111	0.245	0.162	0.091	0.086	0.060	0.062
Diabetes mellitus	0.172	0.145	0.125	0.123	0.133	0.127	0.168	0.122	0.094	0.088	0.088	0.093
Suicide	0.186	0.167	0.166	0.182	0.193	0.195	0.089	0.067	0.054	0.045	0.050	0.046
Nephritis, nephrotic syndrome and nephrosis	0.075	0.067	0.095	0.092	0.086	0.086	0.061	0.051	0.083	0.082	0.076	0.071
Chronic liver disease and cirrhosis	0.096	0.149	0.142	0.121	0.103	0.099	0.042	0.052	0.054	0.042	0.036	0.034
All other causes	1.757	1.499	1.372	1.311	1.360	1.347	1.288	1.016	0.919	0.895	0.872	0.903
All causes	**13.494**	**12.026**	**10.952**	**9.686**	**8.763**	**8.733**	**8.271**	**7.094**	**6.233**	**5.684**	**5.182**	**5.153**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T1.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – NEW SOUTH WALES

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	1.049	1.044	1.046	1.037	1.040	1.048	1.070	1.065	1.056	1.041	1.050	1.041
Malignant neoplasms (cancer)	1.025	1.016	1.009	1.009	1.015	1.032	0.985	0.988	0.995	0.985	0.980	0.991
Cerebrovascular disease (stroke)	1.090	1.079	1.128	1.116	1.109	1.127	1.070	1.083	1.103	1.077	1.107	1.098
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	1.051	0.985	0.950	1.011	1.023	1.037	1.096	1.008	1.012	1.059	1.091	1.086
Motor vehicle traffic accidents	0.921	0.974	1.071	0.979	0.940	0.999	0.924	0.983	1.071	0.985	0.912	0.853
Other accidents	0.935	0.968	1.000	1.029	1.040	1.044	0.926	0.966	1.013	1.034	0.961	0.998
Pneumonia and influenza	1.046	0.882	0.802	0.886	0.748	0.791	1.036	0.884	0.742	0.935	0.743	0.766
Diabetes mellitus	0.980	0.936	0.936	0.873	0.904	0.873	0.987	0.930	0.845	0.798	0.817	0.829
Suicide	1.004	0.999	0.937	0.913	0.926	0.941	1.024	1.021	0.931	0.834	0.950	0.887
Nephritis, nephrotic syndrome and nephrosis	1.016	0.896	1.095	1.125	0.985	1.024	1.105	0.978	1.238	1.250	1.195	1.179
Chronic liver disease and cirrhosis	1.063	1.176	1.106	1.100	1.098	1.064	1.140	1.157	1.200	1.083	1.129	1.108
All other causes	0.974	0.965	0.995	1.004	1.051	1.047	0.993	0.957	0.975	0.991	0.996	1.020
All causes	1.031	1.019	1.026	1.023	1.028	1.038	1.035	1.024	1.028	1.018	1.019	1.020

TABLE T1.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NEW SOUTH WALES (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
10505	Inner Sydney	1313	1119	457	263	46	108	50	68	110	47	74	967	4622
10510	Eastern Suburbs	1159	1046	454	167	27	83	35	58	81	56	50	701	3917
10515	St George-Sutherland	1815	1571	662	329	71	94	71	75	83	77	45	950	5843
10520	Canterbury-Bankstown	1412	1138	431	224	68	71	51	69	59	50	41	650	4264
10525	Fairfield-Liverpool	857	725	260	149	69	59	31	74	54	37	31	476	2822
10530	Outer South Western Sydney	483	413	126	75	44	38	13	16	22	20	19	217	1486
10535	Inner Western Sydney	1070	721	422	189	35	68	46	45	41	33	26	532	3228
10540	Central Western Sydney	1400	1057	416	202	49	96	55	53	78	50	44	695	4195
10545	Outer Western Sydney	827	704	249	131	73	66	35	36	57	29	21	462	2690
10550	Blacktown-Baulkham Hills	915	815	272	156	66	66	24	47	75	33	31	504	3004
10555	Lower Northern Sydney	1536	1045	538	217	49	79	41	59	65	50	30	665	4374
10560	Hornsby-Ku-ring-gai	1110	854	449	150	39	56	38	33	45	32	20	545	3371
10565	Manly-Warringah	1080	882	420	175	28	71	43	37	64	31	29	558	3418
10570	Gosford-Wyong	1429	1288	449	273	46	79	50	93	76	52	39	688	4562
11005	Newcastle	2302	1876	761	375	94	134	74	159	107	96	63	1156	7197
11010	Hunter SD Bal	395	359	137	93	25	42	12	27	25	22	11	242	1390
11505	Wollongong	1091	907	350	180	43	69	33	38	71	39	37	430	3288
11510	Illawarra SD Bal	593	512	198	90	22	44	13	26	27	16	12	250	1803
12005	Tweed Heads	178	166	62	43	3	11	14	8	9	2	3	89	588
12010	Richmond-Tweed SD Bal	800	578	259	142	39	50	26	48	30	24	24	380	2400
12505	Clarence	641	531	223	105	39	41	25	38	29	24	10	308	2014
12510	Hastings	670	604	237	123	44	45	27	37	36	23	19	312	2177
13010	Northern Slopes	484	319	131	72	13	28	21	20	26	20	10	194	1338
13015	Northern Tablelands	372	249	91	90	20	22	12	23	16	15	14	169	1093
13020	North Central Plain	157	92	38	36	14	15	5	11	7	4	7	62	448
13505	Central Macquarie	440	290	142	80	26	28	12	26	28	11	13	186	1282
13510	Macquarie-Barwon	126	83	21	19	6	14	3	6	8	2	2	39	329
13515	Upper Darling	43	30	21	10	7	3	0	8	7	3	2	33	167
14005	Bathurst-Orange	319	225	105	62	18	27	21	11	19	12	9	191	1019
14010	Central Tablelands (ex Bth/Or	193	122	51	50	17	10	6	11	9	7	6	70	552
14015	Lachlan	429	283	130	87	27	22	23	22	9	12	12	204	1260
14505	Queanbeyan	93	72	21	15	8	6	15	4	6	9	4	53	306
14510	Southern Tablelands (ex Q'bn)	431	250	102	75	22	21	12	15	18	21	15	158	1140
14515	Lower South Coast	285	243	79	50	15	23	11	13	15	13	11	146	904
14520	Snowy	102	68	29	17	4	4	1	4	2	6	5	44	286
15010	Central Murrumbidgee	549	391	188	100	30	31	22	37	24	21	10	246	1649
15015	Lower Murrumbidgee	164	165	57	31	18	14	7	16	11	8	6	68	565
15505	Albury	199	182	62	28	19	18	2	12	13	6	5	111	657
15510	Upper Murray (excl. Albury)	134	78	35	19	9	8	5	5	11	5	4	37	350
15515	Central Murray	142	119	40	19	15	12	9	7	9	6	6	83	467
15520	Murray-Darling	46	38	11	9	4	5	2	1	3	0	2	18	139
16010	Far West	173	120	45	24	16	12	13	13	13	4	9	96	538
	State total	**27957**	**22330**	**9231**	**4744**	**1327**	**1793**	**1009**	**1409**	**1498**	**1028**	**831**	**13985**	**87142**

TABLE T1.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NEW SOUTH WALES (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Nephritis neph-rotic	Chron liver	Oth. disea.	All disea.
10505	Inner Sydney	1134	922	359	185	69	80	57	69	79	40	33	573	3599
10510	Eastern Suburbs	1314	1012	428	214	62	80	68	80	69	48	32	637	4044
10515	St George-Sutherland	2033	1668	640	340	101	127	101	125	111	71	56	1002	6373
10520	Canterbury-Bankstown	1363	1178	416	234	75	89	65	85	81	47	41	679	4354
10525	Fairfield-Liverpool	724	706	212	125	69	69	34	46	75	24	29	425	2537
10530	Outer South Western Sydney	413	390	124	70	45	44	21	26	47	14	16	273	1482
10535	Inner Western Sydney	996	724	334	153	40	57	53	59	44	36	22	482	3003
10540	Central Western Sydney	1198	1006	374	201	68	81	59	74	74	42	35	610	3822
10545	Outer Western Sydney	788	708	240	135	65	69	39	50	71	27	27	463	2682
10550	Blacktown-Baulkham Hills	796	782	234	134	80	79	38	51	86	26	34	478	2817
10555	Lower Northern Sydney	1586	1193	526	250	70	95	83	96	78	58	37	775	4848
10560	Hornsby-Ku-ring-gai	1325	1018	436	207	59	80	70	79	64	48	34	651	4071
10565	Manly-Warringah	1213	953	392	198	56	74	63	74	62	44	31	593	3753
10570	Gosford-Wyong	1456	1191	451	256	58	81	70	91	63	51	37	699	4503
11005	Newcastle	2193	1819	684	371	110	138	108	136	120	76	61	1091	6907
11010	Hunter SD Bal	419	361	126	74	21	27	20	26	23	14	12	209	1331
11505	Wollongong	998	889	300	174	60	70	47	63	66	34	32	510	3242
11510	Illawarra SD Bal	549	479	164	98	25	33	25	34	27	19	16	267	1737
12005	Tweed Heads	213	184	63	39	8	11	10	13	8	7	6	97	659
12010	Richmond-Tweed SD Bal	763	626	237	131	35	47	38	47	38	27	21	378	2388
12505	Clarence	641	541	196	112	29	39	31	40	32	22	18	315	2015
12510	Hastings	701	587	214	124	28	39	33	43	30	24	19	333	2176
13010	Northern Slopes	389	323	122	65	20	25	19	24	22	14	11	198	1232
13015	Northern Tablelands	318	257	101	53	17	21	16	19	18	11	9	162	1003
13020	North Central Plain	105	93	32	18	8	8	5	7	8	4	4	59	350
13505	Central Macquarie	372	309	116	63	19	25	19	23	21	13	11	192	1182
13510	Macquarie-Barwon	73	66	22	12	5	6	3	5	6	2	3	39	241
13515	Upper Darling	33	30	10	6	3	3	2	2	3	1	1	20	112
14005	Bathurst-Orange	295	239	94	49	17	20	15	18	18	10	8	153	936
14010	Central Tablelands (ex Bth/Or	142	125	43	25	8	10	7	9	9	5	5	74	461
14015	Lachlan	356	286	113	60	16	21	18	22	17	13	9	177	1108
14505	Queanbeyan	72	66	22	12	6	6	3	5	7	2	3	42	246
14510	Southern Tablelands (ex Q'bn)	309	264	95	52	17	21	15	19	19	11	10	159	990
14515	Lower South Coast	302	265	89	55	12	17	14	19	14	10	9	144	951
14520	Snowy	71	63	22	12	4	5	3	4	5	2	2	37	233
15010	Central Murrumbidgee	466	382	147	78	25	31	24	29	27	16	13	241	1479
15015	Lower Murrumbidgee	173	147	53	29	10	12	9	11	11	6	5	91	557
15505	Albury	210	168	67	35	11	14	11	13	12	8	6	109	663
15510	Upper Murray (excl. Albury)	110	93	33	19	5	7	5	7	6	4	3	53	345
15515	Central Murray	148	126	45	26	7	9	7	9	8	5	4	74	469
15520	Murray-Darling	38	34	11	7	2	3	2	2	3	1	1	20	124
16010	Far West	140	117	43	24	7	9	7	9	8	5	4	70	441
	State total	**26939**	**22392**	**8429**	**4522**	**1454**	**1780**	**1338**	**1661**	**1591**	**940**	**771**	**13653**	**85469**

TABLE T1.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NEW SOUTH WALES (PERSONS OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
10505	Inner Sydney	116*	121*	127*	142*	67*	135*	87	99	139*	119	223*	169*	128*
10510	Eastern Suburbs	88*	103	106	78*	43*	104	52*	73*	117	117	157*	110*	97*
10515	St George-Sutherland	89*	94*	103	97	71*	74*	71*	60*	75*	108	80	95	92*
10520	Canterbury-Bankstown	104	97	104	96	91	80*	78*	81	73*	107	100	96	98
10525	Fairfield-Liverpool	118*	103	123*	120*	100	86	90	160*	72*	157*	106	112*	111*
10530	Outer South Western Sydney	117*	106	101	107	99	86	62*	61*	47*	145	116	80*	100
10535	Inner Western Sydney	107*	100	126*	123*	87	119	86	76*	92	91	116	110*	108*
10540	Central Western Sydney	117*	105	111*	100	72*	119	93	71*	105	120	126	114*	110*
10545	Outer Western Sydney	105	99	104	97	112	95	89	73*	81	107	77	100	100
10550	Blacktown-Baulkham Hills	115*	104	116*	117	83	84	63*	93	87	128	91	105	107*
10555	Lower Northern Sydney	97	88*	102	87*	70*	83	49*	62*	83	86	80	86*	90*
10560	Hornsby-Ku-ring-gai	84*	84*	103	73*	66*	70*	54*	42*	70*	67*	59*	84*	83*
10565	Manly-Warringah	89*	93*	107	88	50*	96	69*	50*	103	71*	93	94	91*
10570	Gosford-Wyong	98	108*	100	107	79	98	72*	103	120	102	106	98	101
11005	Newcastle	105*	103	111*	101	85	97	69*	117	89	126*	103	106	104*
11010	Hunter SD Bal	94	100	108	126*	119	158*	60*	104	108	154	88	116*	104
11505	Wollongong	109*	102	117*	104	71*	99	70*	61*	108	116	115	84*	101
11510	Illawarra SD Bal	108	107	121*	91	89	135	51*	75	99	86	75	94	104
12005	Tweed Heads	83*	90	98	110	39+	101	146	60+	106+	28+	52+	92	89*
12010	Richmond-Tweed SD Bal	105	92*	109	108	111	108	69*	102	78	90	117	100	100
12505	Clarence	100	98	114	94	135	106	81	96	91	109	55+	98	100
12510	Hastings	96	103	111	99	160*	116	81	85	118	95	100	94	100
13010	Northern Slopes	124*	99	108	111	65*	110	109	84	119	148	89+	98	109*
13015	Northern Tablelands	117*	97	90	170*	119	106	74	119	90	133	162	104	109*
13020	North Central Plain	150*	99	120	201*	183	177	96+	169	84+	111+	196+	106	128*
13505	Central Macquarie	118*	94	123*	128	133	114	65	114	132	85	121	97	108*
13510	Macquarie-Barwon	173*	125	98	154	122+	249*	87+	133+	145+	85+	76+	100	136*
13515	Upper Darling	132	101	217*	180+	248+	99+	0+	394+	228+	273+	164+	166*	149*
14005	Bathurst-Orange	108	94	112	128	107	134	140	61*	108	115	111+	125*	109*
14010	Central Tablelands (ex Bth/Or	136*	97	120	203*	202*	100+	90+	124	96+	146+	131+	95	120*
14015	Lachlan	120*	99	116	146*	173*	102	127	101	53+	95	127	115	114*
14505	Queanbeyan	130*	109	98	122	125+	93+	432*	88+	87+	376+	154+	128	125*
14510	Southern Tablelands (ex Q'bn)	140*	95	107	144*	129	100	79	79	95	196*	158	100	115*
14515	Lower South Coast	94	92	89	91	121	134	79	69	106	128	123	101	95
14520	Snowy	143*	108	135	140	89+	76+	29+	91+	39+	253+	212+	118	123*
15010	Central Murrumbidgee	118*	102	128*	128*	118	100	94	129	89	127	77+	102	111*
15015	Lower Murrumbidgee	95	113	107	106	177	115	81+	150	100	133+	114+	75*	102
15505	Albury	95	108	93	81	168	128	18+	94	107	80+	88+	102	99
15510	Upper Murray (excl. Albury)	122*	84	105	98	180+	121+	95+	74+	200	132+	127+	69*	102
15515	Central Murray	96	95	89	74	205*	127	123+	77+	110+	118+	136+	112	100
15520	Murray-Darling	122	112	99	136+	162+	177+	109+	43+	110+	0+	155+	90	112
16010	Far West	124*	103	103	102	231*	136	195	149	171	82+	228+	137*	122*
	State total	**104***	**100**	**110***	**105***	**91***	**101**	**75***	**85***	**94***	**109***	**108***	**102***	**102***

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T1.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NEW SOUTH WALES (MALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea
10505	Inner Sydney	121*	131*	139*	136*	74*	142*	108	106	125	130	214*	220*	141*
10510	Eastern Suburbs	86*	101	110	63*	42*	133*	57*	72	108	139	173*	134*	99
10515	St George-Sutherland	86*	96	104	87*	51*	78*	66*	62*	74*	106	72*	96	90*
10520	Canterbury-Bankstown	100	98	105	89	83	79	94	81	75*	104	97	99	97
10525	Fairfield-Liverpool	118	106	125*	89	101	79	59+	183*	70*	118	92	112	108*
10530	Outer South Western Sydney	119*	109	108	95	111	69*	48+	78+	46*	116+	91	80*	100
10535	Inner Western Sydney	111*	103	148*	124*	102	127	97	92	89	86	132	117*	112*
10540	Central Western Sydney	121*	109*	116	103	74*	126	103	69*	106	91	127	121*	113*
10545	Outer Western Sydney	103	93	104	86	120	96	107	74	88	66+	70	102	98
10550	Blacktown-Baulkham Hills	107	103	103	91	89	82	55+	85	93	103	99	105	101
10555	Lower Northern Sydney	96	81*	85*	80*	68*	64*	42*	75	71*	81	77	88*	85*
10560	Hornsby-Ku-ring-gai	78*	79*	88	68*	65*	65*	77	38*	52*	59*	53*	83*	77*
10565	Manly-Warringah	91*	90*	103	77*	39*	94	82	65*	96	81	80	92	89*
10570	Gosford-Wyong	96	112*	110	105	77	102	87	117	112	72	130	98	103
11005	Newcastle	107*	108*	108	104	88	93	81	115	94	93	90	106	105*
11010	Hunter SD Bal	100	100	106	140*	136	167*	39+	90	114	147+	97+	97	104
11505	Wollongong	112*	105	124*	103	69*	111	69	48*	113	106	105	86*	104
11510	Illawarra SD Bal	103	112	117	87	95	162*	61+	73	99	90+	76+	85	102
12005	Tweed Heads	78*	106	107	116	40+	88+	198+	72+	76+	57+	72+	102	95
12010	Richmond-Tweed SD Bal	99	98	107	98	116	95	79	94	90	80+	139	102	100
12505	Clarence	94	99	102	84	147	126	90	114	99	116	67+	100	98
12510	Hastings	102	106	102	111	172*	131	65	100	118	87+	87	89	103
13010	Northern Slopes	122*	104	104	116	58+	125	101+	105	122	153+	61+	97	109*
13015	Northern Tablelands	116	100	95	192*	121	122	26+	150	86	158+	190	84	110*
13020	North Central Plain	160*	103	133	194*	200	154+	73+	120+	90+	116+	223+	109	134*
13505	Central Macquarie	124*	95	135*	144*	141	121	45+	99	144	85+	139	96	113*
13510	Macquarie-Barwon	173*	152*	96+	133	113+	285*	58+	170+	179+	93+	49+	95	145*
13515	Upper Darling	154	107	228+	217+	246+	95+	0+	470+	281+	0+	0+	172	158*
14005	Bathurst-Orange	96	107	97	145*	94	103	118+	85+	108	68+	120+	120	107
14010	Central Tablelands (ex Bth/Or	152*	99	123	222*	235*	90+	149+	112+	120+	91+	87+	97	129*
14015	Lachlan	119*	93	120	169*	187*	135	80+	95+	60+	104+	100+	129*	116*
14505	Queanbeyan	125	131	67+	141	88+	113+	118+	90+	91+	287+	104+	141	124*
14510	Southern Tablelands (ex Q'bn)	146*	90	113	165*	92	102	93+	75+	107	166+	156	90	116*
14515	Lower South Coast	95	90	71*	87	94+	143	40+	79+	108	139+	150+	102	93
14520	Snowy	124	89	143	138	62+	114+	0+	90+	49+	474+	280+	87	109
15010	Central Murrumbidgee	115*	101	139*	144*	125	101	54+	147	94	123+	85+	95	111*
15015	Lower Murrumbidgee	88	114	106	99	251*	125+	46+	132+	115+	72+	103+	66*	100
15505	Albury	101	109	98	86	206*	102+	39+	67+	116	120+	98+	108	104
15510	Upper Murray (excl. Albury)	116	91	104	114	229+	162+	107+	85+	228+	107+	85+	69*	105
15515	Central Murray	94	95	84	86	213	145+	81+	42+	122+	122+	151+	103	98
15520	Murray-Darling	155*	110	151+	110+	168+	205+	101+	0+	136+	0+	101+	107	128*
16010	Far West	121	109	145	148	189+	145+	194+	50+	218	146+	210+	117	126*
	State total	**104***	**101**	**110***	**102**	**92***	**104**	**77***	**89***	**94***	**101**	**106**	**106***	**102***

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T1.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 - NEW SOUTH WALES (FEMALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
10505	Inner Sydney	110*	108	120*	154*	50+	122	70*	92	199*	110	252*	119*	114*
10510	Eastern Suburbs	90*	106	104	102	46+	60*	48*	73*	153	102	118	89*	95*
10515	St George-Sutherland	93*	93*	103	114	114	68*	75*	58*	79	109	102	94	94*
10520	Canterbury-Bankstown	107	95	103	108	109	81	64*	81	64	110	107	92	99
10525	Fairfield-Liverpool	119*	99	122*	173*	96	102	121	137	79	187*	146	113	115*
10530	Outer South Western Sydney	115	101	97	129	69+	126	75+	45+	50+	167	187+	79*	100
10535	Inner Western Sydney	105	96	115*	122	55+	108	79	65*	103+	94	78+	105	103
10540	Central Western Sydney	113*	100	108	96	67	105	84	73*	102	141	124	107	106*
10545	Outer Western Sydney	108	108	104	117	93	94	71	71	54+	141	96+	97	104
10550	Blacktown-Baulkham Hills	125*	105	125*	159*	69	87	70	101	66	146	70+	106	113*
10555	Lower Northern Sydney	98	94	111*	97	74	109	54*	52*	124	90	88+	84*	95*
10560	Hornsby-Ku-ring-gai	88*	89*	111	80*	69	77	38*	45*	132	72	74+	84*	88*
10565	Manly-Warringah	87*	96	110	109	74	100	58*	37*	126	64*	125	96	93*
10570	Gosford-Wyong	101	103	92	109	83	90	57*	89	149	127	48+	99	99
11005	Newcastle	103	97	113*	96	79	103	58*	119	74	151*	137	106	103
11010	Hunter SD Bal	87	99	111	99	80+	142	83+	118	85+	160	63+	138*	104
11505	Wollongong	106	98	112	105	77	76	71	73	87	124	142	83*	99
11510	Illawarra SD Bal	115*	100	124*	100	77+	87+	41+	78	102+	83+	71+	103	106
12005	Tweed Heads	92	67*	89	96	39+	124+	88+	47+	211+	0+	0+	80	81*
12010	Richmond-Tweed SD Bal	112*	84*	111	128	100	129	58*	111	36+	98	54+	99	102
12505	Clarence	108	96	123*	114	110+	72+	72	77	58+	103	21+	95	102
12510	Hastings	87*	98	117	77	134	89	97	70	119+	102	138+	99	96
13010	Northern Slopes	127*	91	110	103	80+	85+	116	64+	107+	143	166+	99	108
13015	Northern Tablelands	118*	93	87	129	114+	78+	117+	89+	105+	112+	86+	124*	108
13020	North Central Plain	136*	94	108	215	139+	226+	122+	221+	61+	106+	113+	101	121*
13505	Central Macquarie	112	92	114	96	116+	101+	83+	129	88+	84+	71+	98	103
13510	Macquarie-Barwon	173*	84	99	195+	148+	169+	115+	93+	0+	78+	169+	105	124*
13515	Upper Darling	102	92	208	108+	253+	111+	0+	311+	0+	525+	704+	157	135*
14005	Bathurst-Orange	120*	78*	121	99	134+	186	158	41+	105+	149+	88+	129*	111*
14010	Central Tablelands (ex Bth/Or	115	95	117	166	123+	121+	30+	137+	0+	193+	259+	93	108
14015	Lachlan	121*	107	112	102	144+	49+	171	108	28+	87+	199+	101	112*
14505	Queanbeyan	135	81	120	89+	217+	50+	732*	86+	72+	444+	298+	113	126*
14510	Southern Tablelands (ex Q'bn)	132*	101	103	104	217	96+	65+	82+	52+	222*	163+	109	115*
14515	Lower South Coast	94	93	105	100	177+	117+	124+	57+	99+	117+	44+	100	97
14520	Snowy	166*	136	129	144+	159+	0+	57+	91+	0+	76+	0+	152	141*
15010	Central Murrumbidgee	120*	104	120	100	103+	96	130	113	70+	131	56+	109	112*
15015	Lower Murrumbidgee	103	110	108	119	0+	96+	115+	168+	45+	185+	147+	85	104
15505	Albury	89	107	89	71+	85+	172+	0+	118+	76+	47+	63+	96	93
15510	Upper Murray (excl. Albury)	131	73	107	65+	67+	44+	81+	62+	89+	156+	250+	70	97
15515	Central Murray	99	94	93	49+	184+	92+	168+	116+	61+	114+	92+	122	101
15520	Murray-Darling	72	115	51+	194+	146+	116+	119+	94+	0+	0+	332+	69+	88
16010	Far West	126	95	76	23+	324+	121+	195+	235	0+	36+	277+	157*	117*
	State total	**104***	**97***	**109***	**110***	**89***	**96**	**74***	**81***	**94**	**116***	**112**	**99**	**101***

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T2.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – VICTORIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	15.62	13.10	10.89	10.03	7.62	6.54	13.22	10.21	8.96	7.59	5.63	4.57
1-4	3.41	2.62	2.46	1.81	1.68	1.61	2.53	1.87	1.49	1.34	1.14	1.31
5-9	2.17	1.64	1.57	1.36	1.01	1.12	1.66	1.24	1.06	0.94	0.65	0.49
10-14	1.76	1.80	1.74	1.40	1.18	1.16	1.28	1.00	0.79	0.71	0.78	0.73
15-19	6.78	6.47	5.13	4.70	3.88	3.34	2.82	2.49	1.90	1.96	1.66	1.62
20-24	8.70	8.07	6.84	7.45	5.85	5.11	2.91	2.29	2.42	2.51	2.12	1.90
25-29	5.82	5.60	6.05	6.33	6.20	6.20	3.16	2.28	2.59	2.38	2.08	1.50
30-34	6.86	5.95	5.61	6.20	6.01	5.83	3.77	3.62	2.76	2.61	2.59	2.32
35-39	10.39	8.65	6.97	6.20	6.93	6.96	5.87	4.95	4.24	3.66	3.60	3.28
40-44	16.14	15.21	11.95	9.71	9.82	10.11	9.89	8.20	6.65	5.68	5.57	5.94
45-49	29.24	25.41	22.27	17.41	14.87	14.85	16.71	14.16	12.47	10.14	8.99	9.11
50-54	46.99	43.46	37.65	29.07	23.59	24.46	25.25	23.16	20.28	16.63	15.09	13.28
55-59	77.49	69.17	61.48	50.99	43.35	41.04	38.72	34.64	31.39	27.89	23.49	23.32
60-64	120.27	109.49	96.23	86.64	73.72	71.04	60.20	54.75	47.65	43.59	37.47	35.17
65-69	188.53	168.38	149.68	135.06	116.91	115.71	99.40	86.95	76.08	72.37	63.07	60.73
70-74	274.72	253.26	228.79	207.19	184.53	180.24	162.84	138.81	123.10	116.43	104.36	100.95
75-79	403.54	363.52	346.45	307.00	283.40	285.48	268.63	230.61	208.17	192.85	176.85	177.59
80-84	532.69	507.72	480.80	452.64	415.17	413.54	412.61	371.73	329.91	315.84	291.72	297.14
85-89	688.90	659.37	620.43	586.64	555.68	571.94	581.83	544.00	502.97	469.96	447.38	449.97
90-94	803.38	791.79	787.45	751.15	719.87	720.96	717.04	706.09	686.49	664.39	634.06	639.11
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T2.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – VICTORIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	15.620	13.100	10.890	10.030	7.620	6.540	13.220	10.210	8.960	7.590	5.630	4.570
1-14	7.329	6.056	5.763	4.558	3.872	3.894	5.457	4.100	3.346	2.990	2.577	2.525
15-44	53.499	48.965	41.814	39.913	38.082	36.984	28.109	23.602	20.388	18.661	17.503	16.456
45-64	249.185	227.260	201.908	173.069	147.652	143.856	134.113	121.245	107.521	94.996	82.578	78.657
65-84	835.954	805.424	777.483	739.887	698.197	696.237	676.108	619.908	570.114	547.385	510.753	511.880
85-94	938.831	929.076	919.321	897.134	875.534	880.555	881.676	865.980	844.179	822.113	797.772	801.500
l_x (l_0 = 100 000)												
x =												
30	95649	96129	96580	96736	97287	97516	97269	97880	98092	98268	98600	98793
50	89785	90919	92131	92965	93675	93884	93787	94884	95552	96114	96569	96768
70	56350	59950	63947	67671	71574	72149	74379	77223	79785	81515	83760	84512
85	11392	14027	16734	20351	24461	24784	26750	32147	37123	39773	43738	43919
e_x (years)												
x =												
0	68.718	70.102	71.576	73.043	74.621	74.853	75.256	76.964	78.366	79.344	80.575	80.847
10	60.174	61.316	62.638	64.001	65.385	65.539	66.565	67.985	69.265	70.122	71.168	71.357
65	12.384	13.120	13.809	14.623	15.501	15.521	16.056	17.101	18.015	18.518	19.270	19.298

Note Based on abridged life tables.

TABLE T2.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – VICTORIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) $x =$												
0	0.801	0.873	0.949	0.974	0.923	0.842	0.881	0.862	0.990	0.956	0.870	0.776
1-14	0.894	0.879	0.969	0.941	1.018	1.071	0.911	0.855	0.852	0.914	0.921	0.881
15-44	0.937	0.904	0.879	0.924	0.929	0.931	0.906	0.877	0.937	0.925	0.957	0.919
45-64	0.974	0.974	0.985	0.982	0.972	0.972	0.959	0.968	1.001	0.982	0.963	0.930
65-84	1.003	1.007	1.008	1.007	0.998	0.998	1.006	1.011	1.008	1.011	1.009	1.012
85-94	1.002	1.011	1.010	1.004	0.999	1.011	0.998	1.009	1.010	1.013	1.003	1.008
l_x (l_0 = 100 000) $x =$												
30	1.007	1.005	1.004	1.002	1.002	1.003	1.003	1.003	1.001	1.001	1.002	1.003
50	1.009	1.011	1.008	1.004	1.004	1.004	1.006	1.007	1.002	1.003	1.002	1.003
70	1.017	1.018	1.014	1.006	1.012	1.012	1.011	1.010	1.002	1.002	1.005	1.011
85	1.000	0.987	0.984	0.989	1.013	1.013	1.000	0.992	0.992	0.991	0.996	0.997
e_x (years) $x =$												
0	1.008	1.007	1.005	1.003	1.004	1.004	1.005	1.004	1.000	1.001	1.002	1.004
10	1.004	1.005	1.005	1.003	1.004	1.003	1.003	1.002	1.000	1.000	1.001	1.002
65	0.996	0.994	0.997	0.996	1.003	1.001	0.997	0.994	0.995	0.992	0.998	0.997

Note Based on abridged life tables.

TABLE T2.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – VICTORIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	5.084	4.427	3.803	3.193	2.603	2.551	2.716	2.317	1.989	1.768	1.486	1.496
Malignant neoplasms (cancer)	2.145	2.233	2.381	2.352	2.312	2.287	1.382	1.360	1.391	1.432	1.417	1.371
Cerebrovascular disease (stroke)	1.521	1.257	1.055	0.766	0.596	0.563	1.470	1.176	0.943	0.733	0.548	0.523
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.772	0.773	0.743	0.676	0.568	0.575	0.129	0.163	0.173	0.221	0.213	0.223
Motor vehicle traffic accidents	0.454	0.377	0.297	0.257	0.173	0.140	0.158	0.136	0.113	0.097	0.073	0.066
Other accidents	0.318	0.295	0.239	0.191	0.186	0.184	0.194	0.173	0.110	0.088	0.085	0.076
Pneumonia and influenza	0.378	0.301	0.204	0.127	0.100	0.116	0.212	0.177	0.136	0.084	0.070	0.073
Diabetes mellitus	0.208	0.196	0.165	0.183	0.197	0.202	0.194	0.151	0.137	0.147	0.143	0.143
Suicide	0.174	0.152	0.172	0.199	0.198	0.199	0.090	0.066	0.062	0.059	0.050	0.048
Nephritis, nephrotic syndrome and nephrosis	0.058	0.064	0.063	0.069	0.095	0.095	0.037	0.033	0.044	0.048	0.054	0.051
Chronic liver disease and cirrhosis	0.096	0.123	0.131	0.106	0.099	0.102	0.032	0.041	0.042	0.040	0.028	0.028
All other causes	1.762	1.572	1.365	1.300	1.270	1.286	1.261	1.096	0.954	0.899	0.879	0.869
All causes	**12.973**	**11.772**	**10.619**	**9.420**	**8.397**	**8.300**	**7.875**	**6.890**	**6.093**	**5.617**	**5.045**	**4.967**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T2.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – VICTORIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.993	0.988	0.982	0.980	0.968	0.974	0.962	0.969	0.977	0.972	0.956	0.971
Malignant neoplasms (cancer)	1.018	1.022	1.040	1.031	1.025	1.010	1.057	1.045	1.063	1.060	1.054	1.033
Cerebrovascular disease (stroke)	0.956	0.941	0.970	0.922	0.885	0.867	0.973	0.937	0.967	0.973	0.914	0.913
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	1.026	1.094	1.067	1.071	1.034	1.028	0.954	1.108	1.044	1.113	1.012	0.983
Motor vehicle traffic accidents	1.044	0.957	0.873	0.989	0.931	0.855	1.047	0.992	0.968	0.960	0.952	0.892
Other accidents	0.891	0.921	0.891	0.856	0.887	0.911	1.082	1.117	0.946	0.917	0.950	0.888
Pneumonia and influenza	0.955	0.989	0.969	0.883	0.761	0.827	0.896	0.968	1.110	0.914	0.865	0.905
Diabetes mellitus	1.184	1.270	1.239	1.302	1.340	1.396	1.135	1.153	1.237	1.334	1.322	1.273
Suicide	0.941	0.906	0.969	1.002	0.950	0.959	1.026	1.003	1.053	1.087	0.953	0.919
Nephritis, nephrotic syndrome and nephrosis	0.793	0.862	0.727	0.848	1.091	1.136	0.671	0.629	0.655	0.726	0.841	0.852
Chronic liver disease and cirrhosis	1.060	0.973	1.025	0.959	1.050	1.096	0.872	0.900	0.947	1.054	0.881	0.913
All other causes	0.977	1.013	0.990	0.996	0.981	0.999	0.972	1.032	1.012	0.996	1.004	0.981
All causes	0.991	0.997	0.995	0.995	0.985	0.986	0.986	0.995	1.005	1.006	0.992	0.984

TABLE T2.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – VICTORIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
20505	Central Melbourne	1236	1041	366	266	46	102	53	102	85	46	66	748	4157
20510	Western Inner Melbourne	836	689	228	131	26	38	29	75	42	25	31	432	2582
20515	Western Outer Melbourne	695	698	152	98	46	34	28	88	44	24	33	373	2313
20520	Western Fringe Melbourne	192	186	54	32	23	24	14	25	23	11	4	137	725
20525	Northern Inner Melbourne	515	463	144	80	17	28	18	58	23	19	21	248	1634
20530	Northern Middle Melbourne	1041	985	351	198	34	61	54	83	58	40	32	523	3460
20535	Northern Fringe Melbourne	425	399	96	79	40	32	14	70	29	13	13	243	1453
20540	Northern Outer Melbourne	418	429	133	76	31	33	17	38	53	9	14	255	1506
20545	Eastern Inner Melbourne	1008	719	310	111	36	49	49	56	44	36	18	538	2974
20550	Eastern Middle Melbourne	967	972	279	152	30	60	31	84	53	26	26	471	3151
20555	Eastern Outer Melbourne	1065	1025	354	184	57	65	60	73	75	43	25	580	3606
20560	Eastern Fringe Melbourne	398	374	110	76	24	42	19	38	41	14	14	193	1343
20565	Southern Inner Melbourne	1198	948	451	182	37	57	50	71	51	51	21	636	3753
20570	Southern Outer Melbourne	913	894	274	155	28	53	29	79	44	29	35	431	2964
20575	South Eastern Inner Melbourne	499	441	166	109	32	33	25	55	38	16	22	272	1708
20580	South Eastern Outer Melbourne	389	383	101	71	32	36	19	52	44	16	12	226	1381
20585	Mornington Peninsula Inner	609	511	184	131	27	34	23	38	41	19	10	298	1925
20590	Mornington Peninsula Outer	630	525	191	124	37	33	25	42	23	24	12	308	1974
21005	Geelong	768	617	209	118	49	43	26	39	33	15	22	405	2344
21010	East Barwon	207	185	44	26	13	11	6	13	15	7	7	101	635
21015	West Barwon	179	155	54	35	9	12	13	17	14	5	2	83	578
21505	Hopkins	342	286	91	65	20	18	12	29	23	3	10	161	1060
21510	Glenelg	234	208	89	38	16	20	18	24	10	8	7	118	790
22005	Ballarat	497	360	123	92	16	28	22	34	20	19	7	271	1489
22010	East Central Highlands	148	115	34	24	11	12	5	9	16	4	2	65	445
22015	West Central Highlands	185	117	34	32	8	14	5	11	4	8	2	77	497
22505	South Wimmera	203	169	62	45	8	16	4	15	7	8	4	106	647
22510	North Wimmera	140	107	45	22	12	10	6	10	2	4	4	57	419
23005	Mildura	170	139	52	41	12	11	10	13	7	8	12	82	557
23010	West Mallee	67	55	19	16	4	4	3	4	3	7	1	31	214
23015	East Mallee	126	134	44	26	16	13	9	17	9	4	4	80	482
23505	Bendigo	398	341	104	69	11	26	6	23	18	13	6	199	1214
23510	Northern Loddon-Campaspe	190	163	46	34	9	10	8	13	5	7	3	88	576
23515	Central Loddon-Campaspe	215	184	78	43	9	12	15	18	18	10	8	143	753
23520	South Loddon-Campaspe	156	107	38	22	16	9	5	12	15	2	4	56	442
24005	Shepparton-Mooroopna	174	150	47	31	13	10	8	12	13	15	4	92	569
24010	North Goulburn	183	182	75	36	25	14	12	14	10	10	4	100	665
24015	South Goulburn	167	180	66	40	8	18	9	15	9	6	4	116	638
24020	South West Goulburn	91	88	21	17	14	10	6	6	7	0	3	58	321
24505	Wodonga	154	162	40	25	16	13	11	13	9	8	4	110	565
24510	North Ovens-Murray	161	154	47	38	11	11	9	17	6	6	9	84	553
24515	South Ovens-Murray	70	85	22	17	12	3	3	8	5	2	2	39	268
25005	Gippsland Lakes	187	151	46	56	6	9	5	12	5	5	5	65	552
25010	Mitchell-Snowy	56	53	14	15	0	5	3	7	3	3	2	25	186
25015	Macalister-Avon	133	83	41	32	11	5	4	13	12	4	8	67	413
25505	Latrobe Valley	312	270	88	63	17	20	9	21	20	11	10	137	978
25510	West Gippsland	157	110	36	19	9	2	1	15	9	3	2	73	436
25515	Strzlecki	89	70	20	14	8	8	3	8	7	3	4	34	268
25520	South Gippsland	261	226	79	51	14	18	8	29	15	10	12	98	821
	State total	**19454**	**17088**	**5752**	**3457**	**1006**	**1229**	**821**	**1618**	**1160**	**679**	**587**	**10133**	**62984**

TABLE T2.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – VICTORIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Nephritis neph-rotic	Chron liver	Oth. disea.	All disea.
20505	Central Melbourne	1179	885	388	188	63	76	63	71	70	43	29	584	3639
20510	Western Inner Melbourne	777	598	251	128	33	45	39	47	36	28	18	377	2380
20515	Western Outer Melbourne	679	684	191	122	60	60	30	44	66	21	28	374	2359
20520	Western Fringe Melbourne	181	184	53	31	25	24	9	12	27	6	8	133	694
20525	Northern Inner Melbourne	526	423	166	90	25	32	26	32	28	19	14	256	1635
20530	Northern Middle Melbourne	1090	868	348	181	50	65	55	67	55	39	28	529	3374
20535	Northern Fringe Melbourne	403	399	116	71	36	36	19	26	39	13	16	232	1406
20540	Northern Outer Melbourne	469	453	139	78	49	48	23	29	53	15	20	290	1668
20545	Eastern Inner Melbourne	1112	768	383	168	39	60	61	65	42	42	22	534	3296
20550	Eastern Middle Melbourne	1164	1028	356	193	72	81	57	72	79	39	39	580	3761
20555	Eastern Outer Melbourne	1214	1016	385	198	77	89	62	75	84	43	37	645	3924
20560	Eastern Fringe Melbourne	437	388	134	74	34	37	22	27	38	15	15	251	1472
20565	Southern Inner Melbourne	1368	970	462	214	47	73	74	81	51	51	28	652	4071
20570	Southern Outer Melbourne	1045	860	326	179	49	62	51	65	53	37	28	503	3257
20575	South Eastern Inner Melbourne	510	458	155	86	38	41	25	32	41	17	18	274	1695
20580	South Eastern Outer Melbourne	395	373	118	68	40	41	20	25	44	13	16	254	1406
20585	Mornington Peninsula Inner	600	486	190	100	29	37	30	37	32	21	16	297	1877
20590	Mornington Peninsula Outer	657	528	205	115	25	36	32	40	27	23	16	313	2018
21005	Geelong	748	604	238	125	38	47	38	46	40	27	20	374	2345
21010	East Barwon	236	201	71	43	10	14	11	15	11	8	6	114	742
21015	West Barwon	164	136	51	28	8	11	8	10	9	6	5	83	517
21505	Hopkins	309	248	98	52	14	19	16	19	16	11	8	154	962
21510	Glenelg	233	185	74	39	11	14	12	14	11	8	6	116	723
22005	Ballarat	431	326	142	69	20	27	23	26	21	16	10	217	1328
22010	East Central Highlands	129	110	40	22	7	9	6	8	8	4	4	68	415
22015	West Central Highlands	130	110	40	23	6	8	6	8	7	5	4	64	412
22505	South Wimmera	199	154	64	32	9	12	10	12	9	7	5	98	611
22510	North Wimmera	137	103	44	23	4	7	7	8	5	5	3	65	411
23005	Mildura	184	151	58	31	9	12	9	11	10	7	5	94	581
23010	West Mallee	72	56	23	12	3	4	4	4	3	3	2	36	221
23015	East Mallee	161	129	51	27	7	10	8	10	8	6	4	81	502
23505	Bendigo	395	295	130	64	17	24	21	24	18	15	9	197	1209
23510	Northern Loddon-Campaspe	183	147	57	31	8	11	9	11	8	6	5	89	566
23515	Central Loddon-Campaspe	249	198	78	42	10	14	13	15	11	9	6	121	767
23520	South Loddon-Campaspe	119	101	37	20	7	9	6	7	8	4	4	65	388
24005	Shepparton-Mooroopna	180	144	57	30	10	12	9	11	10	6	5	93	568
24010	North Goulburn	227	192	69	39	11	15	11	14	13	8	7	113	718
24015	South Goulburn	203	165	63	35	8	12	10	12	9	7	5	99	630
24020	South West Goulburn	96	83	29	16	7	8	5	6	8	3	3	55	320
24505	Wodonga	154	130	48	26	10	12	8	9	11	5	5	83	500
24510	North Ovens-Murray	168	133	54	28	7	10	9	10	8	6	4	82	519
24515	South Ovens-Murray	101	85	31	18	5	6	5	6	5	4	3	50	319
25005	Gippsland Lakes	157	124	50	27	6	8	8	10	6	6	4	74	479
25010	Mitchell-Snowy	60	55	18	11	3	4	3	4	4	2	2	31	197
25015	Macalister-Avon	119	99	37	20	7	8	6	7	7	4	3	63	382
25505	Latrobe Valley	264	234	80	46	18	20	13	17	19	9	9	143	870
25510	West Gippsland	130	109	40	22	7	9	6	8	8	5	4	67	416
25515	Strzlecki	75	68	22	14	5	6	4	5	5	2	3	40	247
25520	South Gippsland	258	216	79	45	10	15	12	16	11	9	7	123	801
	State total	**20077**	**16463**	**6339**	**3342**	**1098**	**1337**	**1016**	**1231**	**1195**	**708**	**564**	**10228**	**63597**

TABLE T2.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – VICTORIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
20505	Central Melbourne	105	118*	94	142*	73*	134*	85	144*	121	107	231*	128*	114*
20510	Western Inner Melbourne	108*	115*	91	102	78	84	73	159*	115	89	168*	114*	109*
20515	Western Outer Melbourne	102	102	79*	81*	76*	57*	93	201*	67*	112	116	100	98
20520	Western Fringe Melbourne	106	101	102	103	90	101	152	215*	84	188	47+	103	104
20525	Northern Inner Melbourne	98	110	87	89	67*	88	69	179*	83	102	155	97	100
20530	Northern Middle Melbourne	95	114*	101	110	67*	94	98	125	106	103	115	99	103
20535	Northern Fringe Melbourne	105	100	83*	111	111	88	74	272*	75	100	79	105	103
20540	Northern Outer Melbourne	89*	95	96	97	63*	68*	73	129	99	59+	71	88*	90*
20545	Eastern Inner Melbourne	91*	94	81*	66*	93	82	80	86	105	86	83	101	90*
20550	Eastern Middle Melbourne	83*	95	78*	79*	42*	74*	55*	117	67*	66*	67*	81*	84*
20555	Eastern Outer Melbourne	88*	101	92	93	74*	73*	97	98	89	101	68*	90*	92*
20560	Eastern Fringe Melbourne	91	96	82*	103	70*	113	87	140	109	94	92	77*	91*
20565	Southern Inner Melbourne	88*	98	98	85*	79	78*	68*	87	99	100	76	98	92*
20570	Southern Outer Melbourne	87*	104	84*	87	58*	86	57*	122	83	79	125	86*	91*
20575	South Eastern Inner Melbourne	98	96	107	127*	84	81	100	172*	92	93	124	99	101
20580	South Eastern Outer Melbourne	99	103	86	105	80	89	96	208*	100	121	77	89	98
20585	Mornington Peninsula Inner	101	105	97	130*	93	91	76	103	130	89	63+	100	103
20590	Mornington Peninsula Outer	96	99	93	108	147	92	77	104	85	103	75	98	98
21005	Geelong	103	102	88*	95	129	91	69*	85	82	56*	110	108	100
21010	East Barwon	88*	92	62*	61*	129	81	54+	88	134	86+	108+	89	86*
21015	West Barwon	109	114	106	127	110+	113	158	169	155	88+	43+	100	112*
21505	Hopkins	111	116*	93	125	138	95	77	154	148	27+	124+	105	110*
21510	Glenelg	100	113	120	98	152	141	152	169*	87+	96+	117+	102	109*
22005	Ballarat	115*	111	87	133*	78	106	96	131	94	120	69+	125*	112*
22010	East Central Highlands	115	105	86	108	151	133	78+	113+	198*	89+	51+	96	107
22015	West Central Highlands	142*	106	85	142	129+	172	78+	137	58+	176+	52+	119	121*
22505	South Wimmera	102	110	97	139	94+	136	39+	125	76+	112+	81+	108	106
22510	North Wimmera	102	104	102	97	269*	140+	84+	121+	41+	80+	130+	88	102
23005	Mildura	92	92	90	132	127	92	107+	115	68+	123+	234*	87	96
23010	West Mallee	94	99	83	137	134+	93+	79+	94+	90+	273+	54+	87	97
23015	East Mallee	78*	104	87	95	221*	132	108+	174	115+	69+	94+	99	96
23505	Bendigo	101	116*	80*	108	63	110	28+	97	99	89	67+	101	100
23510	Northern Loddon-Campaspe	104	111	80	109	117+	94+	87+	116	60+	108+	63+	99	102
23515	Central Loddon-Campaspe	86*	93	100	102	90+	84	119	119	162	113+	125+	118	98
23520	South Loddon-Campaspe	131*	106	103	110	215*	100+	82+	164	179	48+	106+	86	114*
24005	Shepparton-Mooroopna	97	104	82	104	134	83+	85+	110	126	233*	83+	99	100
24010	North Goulburn	81*	95	108	91	219*	97	108	100	80+	127+	60+	88	93*
24015	South Goulburn	82*	109	104	115	95+	152	89+	121	96+	84+	74+	118	101
24020	South West Goulburn	95	105	72	104	191	125+	123+	102+	88+	0+	95+	106	100
24505	Wodonga	100	125*	84	96	160	113	141	137	84+	149+	86+	132*	113*
24510	North Ovens-Murray	96	116	88	133	157	114	105+	166	80+	99+	215+	103	107
24515	South Ovens-Murray	69*	100	72	96	249*	47+	61+	129+	92+	57+	68+	78	84*
25005	Gippsland Lakes	119*	122*	93	207*	108+	108+	63+	125	83+	89+	132+	88	115*
25010	Mitchell-Snowy	93	97	80	140	0+	118+	104+	187+	76+	150+	96+	80	95
25015	Macalister-Avon	112	84	110	158*	159	60+	67+	177	161	95+	236+	106	108
25505	Latrobe Valley	118*	116*	110	138*	94	100	71+	127	104	123	117+	96	112*
25510	West Gippsland	121*	101	90	85	126+	23+	16+	187	116+	66+	53+	109	105
25515	Strzlecki	119	102	92	104	169+	144+	85+	171+	132+	121+	154+	85	108
25520	South Gippsland	101	105	100	112	134	124	64+	182*	130	112+	171	80*	102
	State total	97*	104*	91*	103	92*	92*	81*	131*	97	96	104	99	99*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T2.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – VICTORIA (MALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc	Chron obstr.	Motor accid.	Other_ accid.	Pneu. influe.	Diab-etes	Sui-cide	Nephritis neph-rotic	Chron liver	Oth. disea.	All disea
20505	Central Melbourne	113*	125*	108	124*	71*	144*	77	137	99	121	261*	153*	124*
20510	Western Inner Melbourne	107	115*	98	112	71	97	34+	162*	123	76+	198*	107	109*
20515	Western Outer Melbourne	96	105	88	88	84	43*	112	192*	69*	111	132	104	98
20520	Western Fringe Melbourne	99	104	104	107	104	100	127+	186	106	76+	32+	101	103
20525	Northern Inner Melbourne	103	103	88	89	68	95	64+	166*	60*	142	153	95	99
20530	Northern Middle Melbourne	98	114*	109	106	70*	86	89	97	103	121	100	108	105
20535	Northern Fringe Melbourne	109	97	87	113	110	74	40+	259*	71	66+	89	109	103
20540	Northern Outer Melbourne	80*	92	98	104	75	50*	79+	135	99	75+	74	82*	86*
20545	Eastern Inner Melbourne	88*	93	81*	61*	86	76	48*	95	106	115	94	100	89*
20550	Eastern Middle Melbourne	78*	93	86	71*	44*	72*	31+	140*	62*	78	66*	77*	81*
20555	Eastern Outer Melbourne	86*	94	88	88	58*	74*	87	82	91	119	49*	88*	87*
20560	Eastern Fringe Melbourne	91	92	60*	95	74	91	93+	171*	104	119+	106	83*	90*
20565	Southern Inner Melbourne	86*	91*	81*	82*	77	66*	57*	96	99	118	84	89	87*
20570	Southern Outer Melbourne	86*	98	83*	81*	54*	88	49*	129	87	80	140	86*	89*
20575	South Eastern Inner Melbourne	91	97	102	130	94	92	84+	168*	92	107+	100	105	99
20580	South Eastern Outer Melbourne	95	104	64*	108	92	102	59+	159	107	149+	60+	74*	94
20585	Mornington Peninsula Inner	102	103	113	130*	90	91	79	122	110	86+	70+	98	103
20590	Mornington Peninsula Outer	95	99	77*	96	129	72	109	74	95	116	52+	93	94*
21005	Geelong	104	99	84	100	139	99	64	80	85	70+	133	93	98
21010	East Barwon	96	79*	69*	59*	145+	80+	51+	78+	125	74+	106+	96	87*
21015	West Barwon	122	121	91	117	123+	89+	128+	163+	181	39+	29+	105	116*
21505	Hopkins	111	116	109	156*	150	102	95+	175	139	40+	119+	100	115*
21510	Glenelg	103	106	89	87	151	114+	107+	176	77+	160+	91+	89	102
22005	Ballarat	111	114	80	132	94	76	100+	147	109	121+	42+	125*	112*
22010	East Central Highlands	121	122	118	107	196+	134+	91+	73+	203	185+	69+	107	121*
22015	West Central Highlands	137*	91	94	169*	138+	206	30+	167+	73+	90+	70+	103	116*
22505	South Wimmera	96	100	112	131	68+	98+	0+	161+	82+	97+	111+	106	101
22510	North Wimmera	106	104	118	122	333+	167+	118+	77+	26+	176+	90+	86	108
23005	Mildura	97	93	75	164*	138+	79+	88+	110+	62+	101+	321*	107	102
23010	West Mallee	107	114	125	127+	188+	111+	110+	47+	112+	333+	71+	72	109
23015	East Mallee	95	106	77	87	198+	96+	71+	161+	113+	108+	127+	98	100
23505	Bendigo	99	116	71*	117	51+	115	42+	56+	106	64+	63+	86	98
23510	Northern Loddon-Campaspe	106	108	78	125	113+	121+	66+	126+	75+	166+	57+	98	104
23515	Central Loddon-Campaspe	91	92	115	120	44+	90+	111+	132+	172	95+	85+	117	101
23520	South Loddon-Campaspe	130*	109	125	114	191+	84+	32+	190+	211*	0+	106+	64*	113
24005	Shepparton-Mooroopna	98	88	64*	103	105+	92+	89+	76+	148	171+	29+	118	97
24010	North Goulburn	86	91	89	112	186	63+	104+	83+	90+	130+	80+	84	91
24015	South Goulburn	81*	118	92	99	104+	149	40+	80+	108+	90+	50+	114	100
24020	South West Goulburn	99	103	77+	109	206	108+	79+	130+	94+	0+	84+	96	101
24505	Wodonga	100	119	74	100	169	118+	180+	85+	106+	121+	87+	122	110
24510	North Ovens-Murray	105	113	98	123	126+	118+	145+	221	85+	107+	198+	113	113*
24515	South Ovens-Murray	71*	94	75	97	235+	71+	37+	120+	92+	111+	91+	61*	82*
25005	Gippsland Lakes	120	122	84	244*	134+	79+	25+	126+	85+	150+	181+	91	120*
25010	Mitchell-Snowy	95	100	69+	148	0+	136+	61+	193+	95+	193+	63+	62*	94
25015	Macalister-Avon	110	97	96	159	145+	93+	103+	195+	153+	52+	282+	102	112
25505	Latrobe Valley	123*	117	105	168*	103	128	65+	87+	105	102+	159+	94	116*
25510	West Gippsland	118	96	74	87	120+	0+	31+	148+	98+	47+	36+	82	95
25515	Strzlecki	110	96	55+	116	89+	129+	100+	76+	164+	155+	201+	87	101
25520	South Gippsland	104	113	79	108	70+	153	63+	220*	144	116+	194+	76*	105
	State total	97*	102*	89*	104	91*	89*	72*	129*	97	105	107	98	99*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T2.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – VICTORIA (FEMALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea
20505	Central Melbourne	97	108	86*	171*	78	116	91	150*	205*	97	153	106	105
20510	Western Inner Melbourne	108	116*	86	85	95+	66	105	155*	89+	99	95+	121*	108*
20515	Western Outer Melbourne	112	98	72*	67*	57+	92	71+	210*	59+	112	70+	94	98
20520	Western Fringe Melbourne	115	97	101	97	55+	106+	180+	244*	0+	277+	94+	105	107
20525	Northern Inner Melbourne	92	118*	86	90	64+	76+	74+	192*	171+	69+	162+	99	100
20530	Northern Middle Melbourne	93	113*	96	116	62+	105	105	148*	116	90	152	90	100
20535	Northern Fringe Melbourne	100	104	80	108	114	120	110+	287*	86+	130+	49+	100	104
20540	Northern Outer Melbourne	101	98	94	85	35+	111	68+	123	99	46+	61+	95	96
20545	Eastern Inner Melbourne	92*	95	81*	74*	106	88	99	79	102+	69	58+	101	92*
20550	Eastern Middle Melbourne	89*	97	73*	91	37+	77	76	96	88	57*	68+	85*	87*
20555	Eastern Outer Melbourne	90*	109	94	101	110	71	105	111	83	88	118	92	97
20560	Eastern Fringe Melbourne	91	102	98	119	60+	158	81+	109	128+	73+	51+	70*	93
20565	Southern Inner Melbourne	89*	105	107	90	81	93	75	81	101	88	59+	104	97
20570	Southern Outer Melbourne	89*	112*	85*	98	66+	81	63*	116	70+	79	89+	85*	93*
20575	South Eastern Inner Melbourne	106	96	110	121	63+	60+	115	176*	93+	82+	194+	93	102
20580	South Eastern Outer Melbourne	103	100	102	100	51+	57+	135	259*	77+	98+	125+	107	104
20585	Mornington Peninsula Inner	101	108	86	131	97+	91	74	86	201	91	44+	102	102
20590	Mornington Peninsula Outer	97	100	106	132	185	124	44+	134	50+	91	133+	104	102
21005	Geelong	102	106	91	85	109	78	73	90	68+	46+	53+	122*	102
21010	East Barwon	76*	110	55*	65+	93+	83+	59+	97+	166+	96+	113+	80	84*
21015	West Barwon	95	104	117	146	80+	155+	185+	175+	53+	127+	82+	95	106
21505	Hopkins	110	115	82	67	111+	84+	61+	134	181+	17+	138+	109	104
21510	Glenelg	97	122	141*	118	156+	186+	192	163	126+	44+	186+	115	118*
22005	Ballarat	119*	107	90	134	46+	148	92	118	42+	120	135+	125*	113*
22010	East Central Highlands	107	81	60*	110+	46+	132+	64+	156+	178+	0+	0+	83	89
22015	West Central Highlands	148*	129	78	83+	108+	107+	131+	104+	0+	260+	0+	138	127*
22505	South Wimmera	108	123	86	154	150+	193+	71+	93+	50+	123+	0+	110	111
22510	North Wimmera	99	104	91	51+	137+	102+	54+	162+	94+	0+	235+	90	96
23005	Mildura	88	91	101	73+	101+	114+	125+	120+	90+	140+	0+	67*	88*
23010	West Mallee	78	75	52+	157+	0+	62+	51+	142+	0+	220+	0+	103	82
23015	East Mallee	58*	101	94	113+	273+	195+	145+	188+	122+	34+	0+	101	91
23505	Bendigo	103	115	85	94	89+	103+	17+	131	74+	108+	76+	114	103
23510	Northern Loddon-Campaspe	101	115	82	76+	127+	50+	108+	107+	0+	58+	79+	101	99
23515	Central Loddon-Campaspe	81*	93	88	65+	192+	74+	127+	107+	127+	129+	238+	120	95
23520	South Loddon-Campaspe	133*	101	86	103+	270+	133+	133+	138+	58+	91+	105+	111	115
24005	Shepparton-Mooroopna	96	125	94	105	199+	68+	82+	141+	44+	284+	226+	79	104
24010	North Goulburn	74*	100	124	47+	295+	161+	113+	120+	39+	124+	0+	94	95
24015	South Goulburn	83	95	113	147	76+	158+	138+	161+	50+	79+	140+	121	103
24020	South West Goulburn	90	109	68	93+	152+	162+	171+	71+	66+	0+	128+	117	99
24505	Wodonga	100	132*	90	89+	137+	103+	102+	188+	0+	172+	82+	143*	116*
24510	North Ovens-Murray	85	119	80	153	223+	106+	68+	113+	60+	92+	256+	93	99
24515	South Ovens-Murray	68*	109	69	93+	281+	0+	89+	140+	91+	0+	0+	99	87
25005	Gippsland Lakes	118	121	99	134	55+	152+	100+	125+	75+	34+	0+	85	109
25010	Mitchell-Snowy	90	92	89+	124+	0+	76+	158+	180+	0+	103+	207+	104	96
25015	Macalister-Avon	113	66*	120	156	193+	0+	33+	159+	195+	132+	109+	110	104
25505	Latrobe Valley	112	114	114	86	74+	44+	76+	165	99+	140+	0+	99	108
25510	West Gippsland	124	107	102	81+	140+	66+	0+	228+	186+	84+	102+	139	117*
25515	Strzlecki	134	113	131	75+	369+	180+	66+	293+	0+	85+	0+	84	120
25520	South Gippsland	98	93	118	122	272+	75+	66+	141	81+	108+	108+	84	100
	State total	97*	106*	92*	103	93	96	89*	133*	96	89*	96	100	100

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T3.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – QUEENSLAND

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	20.22	15.83	11.18	10.63	8.59	8.96	16.54	12.90	10.12	8.05	6.87	6.84
1-4	4.15	3.37	2.92	2.58	1.89	1.87	3.69	2.76	2.43	1.94	1.55	1.79
5-9	2.27	2.11	1.68	1.17	1.25	1.10	1.80	1.50	1.10	0.85	0.74	0.94
10-14	2.55	2.15	1.86	1.46	1.24	1.19	1.42	1.43	1.19	0.84	0.70	0.86
15-19	8.92	9.11	7.68	5.58	4.58	4.46	3.59	2.84	2.07	2.24	2.07	2.15
20-24	10.39	9.30	8.50	7.56	6.58	6.40	3.74	2.55	2.69	2.97	2.02	2.18
25-29	7.62	7.70	7.24	6.72	6.10	5.56	3.98	2.55	2.62	2.65	2.73	3.25
30-34	8.79	8.04	7.20	6.70	6.86	6.77	5.20	4.22	3.00	2.98	2.72	2.59
35-39	12.97	11.57	9.29	8.43	7.55	7.08	8.27	6.82	4.67	3.85	4.03	4.04
40-44	20.10	19.15	15.35	12.29	9.47	9.79	12.60	11.12	7.21	7.20	5.74	5.85
45-49	30.73	30.68	24.68	18.53	15.14	14.25	19.68	17.81	13.13	11.40	9.36	9.37
50-54	51.81	46.37	39.06	33.66	26.07	25.45	29.54	26.15	20.19	19.43	16.01	14.46
55-59	83.14	75.20	63.57	53.79	46.07	44.46	43.12	37.54	30.71	28.96	24.34	25.14
60-64	128.50	114.84	95.63	88.22	75.04	75.06	62.23	55.82	47.77	40.99	39.48	39.84
65-69	183.71	165.17	152.91	130.15	119.90	120.05	94.37	81.60	73.26	65.68	61.71	60.32
70-74	260.92	241.63	231.55	202.24	176.83	180.80	154.11	128.81	115.77	115.70	103.65	106.77
75-79	385.95	337.45	325.10	296.59	282.18	282.05	262.13	217.24	194.84	182.89	170.15	167.77
80-84	520.38	475.31	452.13	425.38	400.80	391.51	405.42	360.29	320.93	302.99	277.88	286.89
85-89	652.26	623.37	584.54	580.08	543.16	538.35	576.05	506.61	486.31	459.50	435.94	433.81
90-94	806.91	746.19	745.17	736.99	723.22	714.86	733.27	657.61	647.58	628.09	612.03	631.91
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T3.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – QUEENSLAND

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	20.220	15.830	11.180	10.630	8.590	8.960	16.540	12.900	10.120	8.050	6.870	6.840
1-14	8.951	7.613	6.449	5.202	4.369	4.150	6.897	5.679	4.716	3.638	2.997	3.591
15-44	66.908	63.192	54.014	46.372	40.441	39.399	36.836	29.747	22.062	21.700	19.167	19.903
45-64	265.638	243.317	206.294	181.746	153.669	150.954	146.309	130.784	107.525	97.272	86.496	86.163
65-84	822.318	779.912	759.307	719.519	688.389	685.082	663.906	599.358	551.957	529.435	496.009	501.871
85-94	932.855	904.407	894.128	889.560	873.557	868.366	886.921	831.069	818.966	798.982	781.162	791.592
l_x (l_0 = 100 000)												
x =												
30	94509	95139	95961	96481	97015	97081	96567	97373	97796	98059	98341	98211
50	87820	88689	90644	92120	93282	93453	92219	93533	95082	95587	96209	96081
70	54313	57798	62486	66805	70550	70830	72728	76020	79689	81552	83242	83286
85	11822	15237	17755	21541	24979	25349	26991	33163	38526	41073	44713	44151
e_x (years)												
x =												
0	67.682	69.191	71.036	72.725	74.355	74.477	74.414	76.565	78.453	79.364	80.496	80.358
10	59.495	60.666	62.150	63.767	65.220	65.360	66.059	67.877	69.521	70.221	71.230	71.121
65	12.712	13.571	14.037	14.933	15.629	15.643	16.305	17.638	18.435	18.910	19.544	19.460

Note Based on abridged life tables.

TABLE T3.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – QUEENSLAND

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	1.037	1.055	0.975	1.032	1.040	1.153	1.102	1.090	1.118	1.014	1.062	1.161
1-14	1.092	1.105	1.084	1.074	1.149	1.142	1.151	1.185	1.201	1.112	1.071	1.253
15-44	1.172	1.167	1.136	1.074	0.987	0.991	1.188	1.106	1.014	1.076	1.047	1.112
45-64	1.038	1.043	1.007	1.031	1.012	1.020	1.047	1.045	1.001	1.006	1.009	1.019
65-84	0.987	0.975	0.984	0.979	0.984	0.982	0.988	0.978	0.976	0.978	0.980	0.992
85-94	0.996	0.985	0.983	0.995	0.997	0.997	1.004	0.969	0.979	0.984	0.982	0.996
l_x (l_0 = 100 000)												
x =												
30	0.995	0.995	0.997	0.999	0.999	0.998	0.995	0.998	0.998	0.999	0.999	0.997
50	0.987	0.986	0.992	0.995	1.000	0.999	0.989	0.993	0.998	0.997	0.998	0.996
70	0.980	0.981	0.991	0.993	0.997	0.993	0.989	0.994	1.001	1.002	0.999	0.996
85	1.038	1.072	1.044	1.046	1.034	1.036	1.009	1.024	1.029	1.024	1.019	1.002
e_x (years)												
x =												
0	0.993	0.994	0.997	0.999	1.001	0.999	0.994	0.999	1.001	1.001	1.001	0.998
10	0.993	0.994	0.997	0.999	1.002	1.001	0.996	1.001	1.004	1.001	1.002	0.999
65	1.022	1.028	1.014	1.017	1.011	1.009	1.013	1.025	1.018	1.013	1.012	1.005

Note Based on abridged life tables.

TABLE T3.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – QUEENSLAND

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	5.085	4.394	3.838	3.208	2.657	2.617	2.815	2.247	1.986	1.802	1.570	1.595
Malignant neoplasms (cancer)	1.962	2.048	2.179	2.227	2.205	2.244	1.204	1.197	1.209	1.271	1.266	1.296
Cerebrovascular disease (stroke)	1.580	1.314	1.012	0.807	0.686	0.667	1.547	1.310	0.961	0.747	0.599	0.564
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.692	0.636	0.665	0.616	0.522	0.532	0.127	0.120	0.146	0.181	0.192	0.221
Motor vehicle traffic accidents	0.487	0.446	0.383	0.269	0.198	0.195	0.155	0.139	0.120	0.106	0.089	0.086
Other accidents	0.466	0.379	0.298	0.271	0.221	0.192	0.202	0.144	0.124	0.113	0.097	0.102
Pneumonia and influenza	0.419	0.345	0.216	0.145	0.145	0.150	0.257	0.210	0.119	0.095	0.078	0.079
Diabetes mellitus	0.124	0.134	0.109	0.115	0.118	0.119	0.133	0.116	0.095	0.091	0.097	0.106
Suicide	0.213	0.200	0.198	0.232	0.231	0.219	0.102	0.071	0.065	0.065	0.057	0.063
Nephritis, nephrotic syndrome and nephrosis	0.084	0.105	0.120	0.088	0.092	0.089	0.092	0.092	0.090	0.072	0.075	0.071
Chronic liver disease and cirrhosis	0.069	0.093	0.114	0.100	0.081	0.078	0.028	0.028	0.036	0.025	0.029	0.028
All other causes	1.867	1.559	1.409	1.302	1.237	1.211	1.406	1.092	0.964	0.917	0.852	0.848
All causes	**13.049**	**11.652**	**10.540**	**9.380**	**8.394**	**8.314**	**8.068**	**6.768**	**5.915**	**5.484**	**5.000**	**5.059**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T3.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – QUEENSLAND

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.993	0.981	0.990	0.985	0.988	0.999	0.998	0.940	0.975	0.991	1.010	1.035
Malignant neoplasms (cancer)	0.931	0.938	0.951	0.976	0.978	0.991	0.921	0.920	0.924	0.941	0.941	0.976
Cerebrovascular disease (stroke)	0.993	0.983	0.930	0.971	1.018	1.027	1.024	1.044	0.985	0.990	1.000	0.986
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.919	0.900	0.956	0.975	0.950	0.951	0.940	0.819	0.882	0.913	0.912	0.970
Motor vehicle traffic accidents	1.118	1.131	1.127	1.033	1.068	1.186	1.029	1.011	1.024	1.047	1.152	1.163
Other accidents	1.305	1.181	1.109	1.215	1.056	0.949	1.130	0.931	1.068	1.173	1.095	1.193
Pneumonia and influenza	1.060	1.134	1.025	1.005	1.105	1.064	1.088	1.147	0.973	1.024	0.959	0.990
Diabetes mellitus	0.708	0.865	0.816	0.819	0.803	0.820	0.780	0.886	0.856	0.829	0.902	0.947
Suicide	1.152	1.193	1.118	1.164	1.107	1.056	1.163	1.086	1.112	1.209	1.086	1.209
Nephritis, nephrotic syndrome and nephrosis	1.140	1.412	1.382	1.082	1.052	1.060	1.649	1.782	1.349	1.094	1.167	1.171
Chronic liver disease and cirrhosis	0.762	0.733	0.890	0.905	0.864	0.846	0.753	0.626	0.807	0.662	0.885	0.914
All other causes	1.035	1.004	1.022	0.998	0.956	0.942	1.084	1.028	1.024	1.015	0.973	0.957
All causes	0.997	0.987	0.988	0.991	0.985	0.988	1.010	0.977	0.975	0.982	0.983	1.002

TABLE T3.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – QUEENSLAND (PERSONS OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm.*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
30505	Brisbane City	3894	3108	1387	582	157	209	230	188	224	185	93	1992	12249
30510	Albert Shire Part A	101	89	18	20	18	5	7	13	9	4	3	49	336
30515	Beaudesert Shire Part A	14	23	4	4	9	3	0	1	3	0	1	13	75
30520	Caboolture Shire Part A	247	256	81	43	20	16	14	16	14	14	6	113	840
30525	Ipswich-Moreton Shire Part A	393	292	124	79	28	38	20	13	35	30	11	214	1277
30530	Logan City	245	261	69	43	36	24	6	14	21	5	7	148	879
30540	Pine Rivers Shire	139	166	27	32	24	11	5	6	12	8	2	66	498
30545	Redcliffe City	334	265	126	90	15	20	15	20	13	15	11	155	1079
30550	Redland Shire	289	252	75	52	21	17	8	12	23	2	1	108	860
31005	Gold Coast City	832	706	261	104	45	53	31	40	71	37	15	368	2563
31010	Albert Shire Part B	359	335	97	60	29	30	25	13	32	7	10	210	1207
31015	Sunshine Coast	557	529	172	95	30	34	29	24	33	16	15	276	1810
31020	Moreton SD Bal	425	363	106	51	45	41	11	23	32	12	8	180	1297
31505	Bundaberg	322	205	108	60	5	16	13	14	17	6	9	123	898
31510	Wide Bay-Burnett SD Bal	730	561	218	106	49	41	33	35	39	18	18	307	2155
32005	Darling Downs	1000	696	340	133	59	63	37	62	35	32	21	445	2923
32505	South West	117	106	35	26	12	13	8	9	7	4	3	57	397
33005	Rockhampton	386	228	86	52	17	24	17	16	26	20	5	139	1016
33010	Gladstone	110	82	24	15	14	13	5	3	10	2	3	49	330
33015	Fitzroy SD Bal	199	173	46	39	20	30	7	14	20	9	3	88	648
33505	Central West	59	42	13	11	4	9	5	3	6	3	1	34	190
34005	Mackay	252	200	83	39	11	14	9	22	13	8	2	103	756
34010	Mackay SD Bal	109	96	21	19	17	16	4	8	12	4	3	43	352
34505	Townsville City	304	258	84	48	26	33	16	17	28	17	11	196	1038
34510	Thuringowa City Part A	62	59	19	10	1	3	3	5	6	1	0	42	211
34515	Northern SD Bal	287	248	96	46	24	32	20	20	24	6	13	140	956
35005	Cairns	280	253	80	61	27	29	16	28	30	9	16	183	1012
35010	Far North SD Bal	378	302	92	64	33	41	21	44	40	12	17	276	1320
35505	North West	101	82	20	27	17	29	19	10	16	8	8	74	411
	State total	**12525**	**10236**	**3912**	**2011**	**813**	**907**	**634**	**693**	**851**	**494**	**316**	**6191**	**39583**

TABLE T3.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – QUEENSLAND (PERSONS OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
30505	Brisbane City	4021	3131	1306	649	199	250	209	244	213	145	102	1985	12454
30510	Albert Shire Part A	96	90	28	17	8	8	5	6	8	3	3	56	329
30515	Beaudesert Shire Part A	24	28	6	4	4	3	1	2	4	1	2	17	97
30520	Caboolture Shire Part A	249	233	71	47	16	18	11	16	17	8	8	130	824
30525	Ipswich-Moreton Shire Part A	356	301	112	59	27	29	18	22	28	12	11	202	1178
30530	Logan City	225	241	63	39	33	30	11	15	35	7	11	164	874
30540	Pine Rivers Shire	162	167	46	28	21	19	8	10	23	5	8	109	606
30545	Redcliffe City	335	257	108	56	12	18	17	20	13	12	8	158	1014
30550	Redland Shire	275	253	81	49	19	21	13	17	21	9	10	149	917
31005	Gold Coast City	889	716	278	154	37	49	43	55	40	31	22	415	2730
31010	Albert Shire Part B	430	404	124	78	26	30	19	27	29	14	15	218	1416
31015	Sunshine Coast	701	587	214	125	29	40	34	44	32	24	19	334	2182
31020	Moreton SD Bal	441	402	129	78	28	33	21	27	31	15	15	232	1453
31505	Bundaberg	289	227	92	49	12	17	15	18	13	10	7	141	889
31510	Wide Bay-Burnett SD Bal	732	620	223	127	34	45	36	45	38	25	21	359	2305
32005	Darling Downs	929	748	294	156	48	60	47	57	50	33	25	470	2916
32505	South West	97	87	29	17	7	8	5	6	8	3	3	54	325
33005	Rockhampton	311	241	101	51	16	20	16	19	17	11	8	158	969
33010	Gladstone	79	76	23	13	8	8	4	5	9	3	3	48	279
33015	Fitzroy SD Bal	196	185	57	35	17	18	9	12	19	6	8	114	676
33505	Central West	51	43	15	9	3	4	3	3	4	2	2	28	165
34005	Mackay	207	173	65	35	13	15	11	13	14	7	6	110	668
34010	Mackay SD Bal	120	122	33	21	13	13	6	8	15	4	6	76	437
34505	Townsville City	299	260	92	51	23	24	15	19	24	10	10	161	986
34510	Thuringowa City Part A	52	49	16	8	7	6	3	3	7	2	2	37	193
34515	Northern SD Bal	274	238	82	48	16	19	13	17	18	9	9	141	884
35005	Cairns	266	236	81	46	21	22	13	16	23	9	9	149	892
35010	Far North SD Bal	340	301	101	60	23	26	17	21	25	12	11	184	1119
35505	North West	63	68	17	11	9	8	3	4	10	2	3	45	244
	State total	**12508**	**10483**	**3889**	**2119**	**727**	**862**	**626**	**769**	**789**	**436**	**367**	**6444**	**40019**

TABLE T3.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – QUEENSLAND (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
30505	Brisbane City	97*	99	106*	90*	79*	83*	110	77*	105	128*	92	100	98
30510	Albert Shire Part A	105	99	64*	115	231*	61+	153+	214	108+	126+	87+	88	102
30515	Beaudesert Shire Part A	58*	81	64+	93+	247+	88+	0+	63+	72+	0+	66+	75	78*
30520	Caboolture Shire Part A	99	110	114	92	128	90	124	102	82	172	71+	87	102
30525	Ipswich-Moreton Shire Part A	110	97	111	134*	104	130	109	59*	123	242*	99	106	108*
30530	Logan City	109	108	109	110	109	80	55+	96	59*	71+	61+	90	101
30540	Pine Rivers Shire	86	99	58*	114	117	57*	64+	58+	53*	154+	26+	61*	82*
30545	Redcliffe City	100	103	116	161*	121	112	89	98	99	123	145	98	106*
30550	Redland Shire	105	100	92	106	111	80	62+	69	109	22+	10+	73*	94
31005	Gold Coast City	94*	99	94	68*	123	108	72*	73*	177*	118	68	89*	94*
31010	Albert Shire Part B	83*	83*	78*	77*	111	100	129	48*	109	50+	66+	96	85*
31015	Sunshine Coast	79*	90*	80*	76*	104	86	86	55*	103	65*	80	83*	83*
31020	Moreton SD Bal	96	90*	82*	65*	160*	126	52*	84	102	82	52+	78*	89*
31505	Bundaberg	111	90	117	123	42+	96	87	80	131	57+	127+	87	101
31510	Wide Bay-Burnett SD Bal	100	91*	98	83*	143*	91	93	78	102	71	84	85*	93*
32005	Darling Downs	108*	93	116*	85*	124	106	79	109	70*	97	85	95	100
32505	South West	120	122	120	155	167	165	169+	150+	89+	123+	89+	105	122*
33005	Rockhampton	124*	95	85	103	106	120	104	85	155	178	64+	88	105
33010	Gladstone	139*	107	104	111	179	165	131+	60+	117+	78+	91+	102	118*
33015	Fitzroy SD Bal	101	93	81	112	119	169*	74+	114	107	139+	39+	77*	96
33505	Central West	117	98	85	126	120+	234+	187+	98+	166+	169+	63+	123	115
34005	Mackay	122*	115	129*	111	86	94	85+	172*	94	109+	33+	94	113*
34010	Mackay SD Bal	91	79*	63*	89	128	122	71+	106+	80	107+	53+	56*	81*
34505	Townsville City	102	99	92	95	113	139	108	91	115	166	115	122*	105
34510	Thuringowa City Part A	119	122	118	120+	15+	46+	106+	155+	84+	57+	0+	112	109
34515	Northern SD Bal	105	104	117	96	149	168*	150	118	136	64+	150	100	108*
35005	Cairns	105	107	99	134*	128	129	120	170*	129	99+	175	123*	114*
35010	Far North SD Bal	111*	100	91	107	146	158*	125	210*	161*	104	149	150*	118*
35505	North West	162*	121	120	243*	180	342*	650*	249+	157	426+	242+	163*	169*
	State total	100	98*	101	95*	112*	105	101	90*	108*	113*	86*	96*	99*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T3.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – QUEENSLAND (MALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
30505	Brisbane City	96	102	111*	90*	76*	80*	122	80*	99	117	88	106	99
30510	Albert Shire Part A	93	100	95	118	237*	69+	197+	305+	121+	187+	78+	89	106
30515	Beaudesert Shire Part A	54+	104	114+	34+	266+	115+	0+	0+	30+	0+	0+	74+	81
30520	Caboolture Shire Part A	99	117	97	94	137	112	135+	123	74+	276*	78+	78*	103
30525	Ipswich-Moreton Shire Part A	117*	99	131	145*	116	145	117+	77+	115	150+	98+	102	113*
30530	Logan City	107	99	115	91	110	64*	67+	91+	46*	61+	46+	95	96
30540	Pine Rivers Shire	93	98	64*	97	109	57+	46+	36+	56+	120+	0+	61*	82*
30545	Redcliffe City	101	99	132	163*	97+	96+	90+	86+	89+	113+	132+	88	105
30550	Redland Shire	103	102	110	107	129	83	30+	78+	127	0+	14+	76*	97
31005	Gold Coast City	94	99	85	60*	128	102	66	74	175*	116	75	85*	93*
31010	Albert Shire Part B	81*	81*	74*	61*	105	93	135	41+	117	74+	53+	94	82*
31015	Sunshine Coast	77*	89*	73*	80*	107	56*	57+	63*	105	59+	81	75*	80*
31020	Moreton SD Bal	95	93	80	65*	155*	115	69+	53+	100	81+	68+	70*	88*
31505	Bundaberg	108	106	125	129	37+	97+	68+	69+	129	101+	155+	84	105
31510	Wide Bay-Burnett SD Bal	103	85*	89	97	160*	89	113	68	117	57+	100	76*	93*
32005	Darling Downs	108	94	115	93	118	101	61*	87	76	73	78	87*	98
32505	South West	126	120	142	174	153+	163+	121+	218+	78+	127+	77+	106	126*
33005	Rockhampton	121*	98	98	115	100	114	136+	92+	159	207+	72+	91	108
33010	Gladstone	134*	117	108	125	178+	161+	206+	78+	102+	0+	120+	117	124*
33015	Fitzroy SD Bal	91	111	80	134	122	156	110+	100+	119	147+	34+	85	101
33505	Central West	148*	74	107+	114+	123+	261+	262+	176+	205+	212+	81+	133	127*
34005	Mackay	121*	130*	152*	122	90+	112	131+	111+	110	117+	44+	91	119*
34010	Mackay SD Bal	84	86	63	107	123	122	119+	113+	90	51+	45+	56*	83*
34505	Townsville City	94	94	97	95	96	118	139+	66+	123	132+	85+	115	99
34510	Thuringowa City Part A	137	141	94+	152+	21+	22+	150+	127+	88+	0+	0+	80	110
34515	Northern SD Bal	102	113	130	108	121	176*	137+	131	163	84+	152+	98	112*
35005	Cairns	108	109	85	128	134	122	129+	117+	118	114+	189	115	112*
35010	Far North SD Bal	111	91	87	115	148	167*	117	164	170*	117+	149	146*	115*
35505	North West	149*	131	134	232*	199	293*	782*	212+	179	404+	268+	165*	172*
	State total	99	99	102	97	112*	102	108	86*	108*	107	86*	95*	99

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T3.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – QUEENSLAND (FEMALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
30505	Brisbane City	98	96	104	88	85	89	101	75*	129	135*	100	96	97*
30510	Albert Shire Part A	123	97	35+	109+	217+	40+	98+	107+	57+	63+	114+	87	97
30515	Beaudesert Shire Part A	67+	45+	0+	226+	198+	0+	0+	159+	241+	0+	303+	77+	72
30520	Caboolture Shire Part A	99	98	133	89	108+	38+	107+	73+	113+	53+	48+	99	100
30525	Ipswich-Moreton Shire Part A	103	94	98	117	77+	101+	102+	44+	154+	311*	102+	110	104
30530	Logan City	111	121	103	145	106+	124+	40+	102+	110+	79+	107+	85	108
30540	Pine Rivers Shire	75*	101	53*	144	136+	57+	85+	83+	43+	186+	105+	60*	83*
30545	Redcliffe City	98	108	106	157*	171+	134+	87+	108	134+	131+	176+	107	108
30550	Redland Shire	107	96	77	105	70+	74+	99+	60+	45+	42+	0+	68*	89*
31005	Gold Coast City	94	98	100	83	112	118	77	72	185	119	49+	92	95
31010	Albert Shire Part B	87	86	81	111	125+	114	122	55+	79+	28+	104+	99	89*
31015	Sunshine Coast	82*	92	86	69*	96+	138	117	47+	99+	72+	78+	91	87*
31020	Moreton SD Bal	98	86	84	67	172	149	32+	121	110+	83+	0+	87	91*
31505	Bundaberg	116	69*	112	110	52+	94+	106+	90+	140+	18+	51+	91	97
31510	Wide Bay-Burnett SD Bal	95	100	105	52*	105	96	70	89	50+	86	38+	96	95
32005	Darling Downs	107	92	116	70*	137	114	95	130	47+	117	105+	103	103
32505	South West	111	125	101	113+	204+	167+	221+	72+	135+	119+	129+	104	116
33005	Rockhampton	127*	90	77*	81	119+	129+	78+	79+	138+	156+	46+	85	101
33010	Gladstone	146*	94	100	86+	183+	174+	53+	42+	177+	143+	0+	83	110
33015	Fitzroy SD Bal	119	64*	82	59+	110+	205+	25+	133+	57+	131+	59+	66*	87*
33505	Central West	69	137	63+	155+	111+	172+	87+	0+	0+	121+	0+	111	97
34005	Mackay	123*	95	111	90	77+	59+	38+	231*	34+	102+	0+	97	106
34010	Mackay SD Bal	103	67*	63+	48+	143+	120+	0+	95+	36+	170+	84+	57*	77*
34505	Townsville City	111	107	88	94	155+	183	79+	116	85+	193	201+	129*	112*
34510	Thuringowa City Part A	98	97	133	64+	0+	104+	67+	182+	67+	99+	0+	150	109
34515	Northern SD Bal	109	90	105	68+	218+	150+	166+	103+	29+	43+	145+	102	102
35005	Cairns	102	105	111	146	116+	145+	111+	227*	170+	85+	132+	132*	115*
35010	Far North SD Bal	112	115	94	89	140+	140	134+	266*	123+	90+	150+	156*	122*
35505	North West	187*	103	103+	267+	126+	497+	441+	302+	55+	450+	145+	159*	163*
	State total	101	96*	100	91*	112	112	95	94	106	119*	88	98	99

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T4.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – SOUTH AUSTRALIA

	Males						Females					
Age	1971	1976	1981	1986	1991	1992	1971	1976	1981	1986	1991	1992
0-1	17.53	13.52	11.54	9.46	7.43	6.84	14.44	10.78	7.99	7.46	5.91	5.22
1-4	3.79	3.10	2.00	2.29	1.11	1.16	2.51	1.94	1.70	1.76	0.97	1.04
5-9	2.09	1.75	1.58	1.16	0.67	0.76	1.54	1.65	0.72	0.83	0.70	1.00
10-14	1.82	1.76	1.91	1.09	0.86	0.69	1.46	1.08	0.83	0.84	0.98	0.94
15-19	7.42	7.46	6.16	6.12	4.52	3.81	2.92	2.75	2.28	2.26	1.96	1.96
20-24	7.18	7.89	6.35	6.78	7.30	5.87	2.28	2.45	2.27	2.58	2.26	2.02
25-29	5.49	6.36	6.04	5.97	6.90	6.61	3.04	1.99	1.84	2.56	2.69	2.51
30-34	6.74	5.90	5.55	5.79	6.19	5.01	4.40	3.26	2.01	2.92	3.16	3.27
35-39	9.83	8.64	8.24	6.59	7.84	7.39	5.74	4.58	4.17	3.51	3.59	3.12
40-44	15.25	12.65	11.65	10.93	8.95	8.95	8.99	9.07	7.16	6.10	5.46	5.38
45-49	26.60	24.68	20.65	15.73	14.73	15.08	14.43	13.19	10.67	10.88	8.35	9.00
50-54	44.67	39.68	36.08	28.21	25.34	24.08	21.87	21.51	16.89	17.56	14.95	15.97
55-59	75.18	63.53	61.76	53.00	41.01	40.84	35.36	31.93	26.31	24.55	23.31	23.22
60-64	114.94	105.69	93.84	77.55	71.69	69.99	55.52	50.86	41.52	38.42	37.78	36.08
65-69	179.42	166.91	144.41	129.24	117.34	114.36	93.66	80.02	70.28	65.94	61.61	57.06
70-74	271.61	239.84	220.33	196.80	180.32	173.55	151.67	134.74	117.40	113.66	101.74	96.27
75-79	379.85	361.35	328.20	299.32	276.80	278.85	248.12	229.02	194.08	185.44	167.64	159.86
80-84	512.63	492.74	453.55	436.70	417.44	406.48	391.19	348.04	316.30	294.74	281.69	276.66
85-89	662.26	639.57	586.25	573.84	556.72	547.21	547.81	541.61	491.40	442.58	441.39	421.09
90-94	782.03	717.68	779.05	722.62	718.33	652.45	733.81	700.27	680.21	631.37	626.61	606.48
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T4.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – SOUTH AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	17.530	13.520	11.540	9.460	7.430	6.840	14.440	10.780	7.990	7.460	5.910	5.220
1-14	7.678	6.594	5.484	4.542	2.640	2.616	5.506	4.673	3.255	3.429	2.645	2.976
15-44	50.842	47.921	43.212	41.463	40.993	37.080	27.083	23.885	19.579	19.770	18.966	18.136
45-64	238.843	215.593	197.400	164.435	145.110	142.582	121.710	112.787	92.290	88.526	81.981	81.835
65-84	819.350	794.839	755.115	723.954	695.183	686.717	648.048	599.881	547.862	524.392	496.031	482.133
85-94	926.382	898.245	908.580	881.791	875.139	842.632	879.631	862.608	837.357	794.518	791.424	772.185
l_x (l_0 = 100 000)												
x =												
30	95546	95885	96491	96755	97153	97450	97207	97753	98247	98183	98462	98539
50	90074	90998	92114	93028	93539	93944	93983	94840	95908	95903	96454	96507
70	57797	60971	64588	68767	71637	72431	75909	78445	81811	82547	83790	84312
85	12724	15015	18486	21800	24739	25621	29477	34117	39786	42032	45000	46304
e_x (years)												
x =												
0	69.109	70.456	71.894	73.445	74.660	75.141	75.937	77.330	79.242	79.832	80.716	81.122
10	60.730	61.747	62.977	64.388	65.344	65.795	67.344	68.436	70.064	70.629	71.323	71.704
65	12.726	13.368	14.213	14.962	15.575	15.804	16.578	17.405	18.433	19.014	19.522	19.913

Note Based on abridged life tables.

TABLE T4.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – SOUTH AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000)												
x =												
0	0.899	0.901	1.006	0.918	0.900	0.880	0.962	0.910	0.883	0.940	0.913	0.886
1-14	0.937	0.957	0.922	0.938	0.694	0.720	0.919	0.975	0.829	1.048	0.945	1.039
15-44	0.890	0.885	0.909	0.960	1.000	0.933	0.873	0.888	0.900	0.980	1.036	1.013
45-64	0.934	0.924	0.963	0.933	0.955	0.964	0.871	0.901	0.859	0.915	0.956	0.967
65-84	0.984	0.994	0.979	0.985	0.994	0.984	0.964	0.979	0.968	0.968	0.980	0.953
85-9	0.989	0.978	0.999	0.987	0.999	0.967	0.995	1.005	1.001	0.979	0.995	0.971
l_x (l_0 = 100,000)												
x =												
30	1.005	1.002	1.003	1.002	1.001	1.002	1.002	1.002	1.002	1.000	1.000	1.000
50	1.012	1.012	1.008	1.005	1.003	1.004	1.008	1.007	1.006	1.001	1.001	1.000
70	1.043	1.035	1.024	1.023	1.013	1.015	1.032	1.026	1.028	1.015	1.006	1.008
85	1.117	1.056	1.087	1.059	1.024	1.047	1.102	1.053	1.063	1.048	1.025	1.051
e_x (years)												
x =												
0	1.014	1.012	1.009	1.008	1.005	1.008	1.014	1.009	1.012	1.007	1.004	1.007
10	1.013	1.012	1.010	1.009	1.003	1.007	1.015	1.009	1.011	1.007	1.003	1.007
65	1.023	1.013	1.027	1.019	1.007	1.019	1.030	1.012	1.018	1.019	1.011	1.029

Note Based on abridged life tables.

TABLE T4.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – SOUTH AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	4.987	4.428	3.764	3.250	2.717	2.555	2.648	2.372	1.934	1.805	1.541	1.492
Malignant neoplasms (cancer)	1.998	2.059	2.182	2.137	2.164	2.093	1.289	1.271	1.251	1.289	1.348	1.253
Cerebrovascular disease (stroke)	1.486	1.312	1.011	0.802	0.677	0.614	1.361	1.159	0.874	0.700	0.568	0.545
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.599	0.591	0.661	0.501	0.518	0.554	0.109	0.113	0.136	0.126	0.163	0.172
Motor vehicle traffic accidents	0.398	0.381	0.305	0.286	0.201	0.145	0.140	0.132	0.102	0.108	0.081	0.093
Other accidents	0.307	0.272	0.232	0.196	0.192	0.232	0.156	0.136	0.103	0.079	0.076	0.065
Pneumonia and influenza	0.373	0.300	0.279	0.203	0.210	0.193	0.226	0.181	0.169	0.127	0.136	0.129
Diabetes mellitus	0.191	0.136	0.132	0.138	0.124	0.106	0.166	0.135	0.112	0.113	0.096	0.104
Suicide	0.171	0.169	0.183	0.187	0.234	0.224	0.063	0.063	0.068	0.054	0.065	0.062
Nephritis, nephrotic syndrome and nephrosis	0.071	0.070	0.077	0.062	0.059	0.056	0.037	0.046	0.041	0.050	0.041	0.039
Chronic liver disease and cirrhosis	0.109	0.131	0.112	0.107	0.086	0.093	0.041	0.056	0.034	0.034	0.028	0.029
All other causes	1.677	1.399	1.213	1.173	1.164	1.162	1.135	0.957	0.847	0.818	0.806	0.774
All causes	**12.369**	**11.249**	**10.151**	**9.044**	**8.345**	**8.027**	**7.371**	**6.620**	**5.672**	**5.305**	**4.948**	**4.757**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T4.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 - SOUTH AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.974	0.988	0.971	0.997	1.010	0.976	0.938	0.992	0.950	0.993	0.991	0.968
Malignant neoplasms (cancer)	0.948	0.943	0.953	0.937	0.959	0.924	0.986	0.977	0.957	0.954	1.003	0.944
Cerebrovascular disease (stroke)	0.934	0.982	0.929	0.965	1.005	0.945	0.901	0.923	0.896	0.929	0.948	0.952
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.796	0.836	0.950	0.793	0.942	0.991	0.807	0.767	0.819	0.636	0.774	0.755
Motor vehicle traffic accidents	0.914	0.967	0.897	1.099	1.082	0.885	0.926	0.957	0.867	1.075	1.055	1.256
Other accidents	0.859	0.848	0.866	0.882	0.916	1.149	0.870	0.877	0.888	0.825	0.851	0.759
Pneumonia and influenza	0.944	0.987	1.321	1.408	1.594	1.376	0.954	0.990	1.385	1.375	1.676	1.607
Diabetes mellitus	1.091	0.882	0.986	0.982	0.845	0.730	0.974	1.035	1.013	1.024	0.888	0.929
Suicide	0.925	1.008	1.035	0.939	1.119	1.080	0.717	0.957	1.157	1.006	1.228	1.194
Nephritis, nephrotic syndrome and nephrosis	0.961	0.939	0.891	0.765	0.678	0.670	0.667	0.883	0.616	0.756	0.635	0.645
Chronic liver disease and cirrhosis	1.208	1.037	0.875	0.975	0.914	0.999	1.113	1.232	0.769	0.897	0.873	0.945
All other causes	0.930	0.901	0.880	0.899	0.900	0.903	0.875	0.901	0.899	0.906	0.920	0.874
All causes	0.945	0.953	0.951	0.955	0.979	0.954	0.923	0.956	0.935	0.950	0.972	0.942

TABLE T4.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – SOUTH AUSTRALIA (PERSONS OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
40505	Northern	1000	938	258	184	80	76	78	72	102	25	35	502	3350
40510	Western	1318	1048	412	199	63	60	106	83	69	35	36	576	4005
40515	Eastern	1522	1028	567	193	37	90	205	54	51	33	37	706	4523
40520	Southern	1471	1225	484	180	53	51	106	51	101	38	23	586	4369
41005	Barossa	166	118	59	23	24	18	14	8	11	2	5	79	527
41010	Kangaroo Island	25	6	12	4	2	1	0	1	1	0	0	10	62
41015	Onkaparinga	89	63	25	5	9	6	5	6	9	2	3	26	248
41020	Fleurieu	170	125	37	29	7	5	12	12	3	1	2	73	476
41505	Yorke	190	124	54	26	7	7	10	17	7	4	5	91	542
41510	Lower North	153	82	36	17	10	11	7	9	8	4	2	52	391
42005	Riverland	172	123	51	21	17	11	9	10	12	3	8	86	523
42010	Murray Mallee	156	121	59	16	9	9	17	7	8	7	4	72	485
42505	Upper South East	77	71	21	12	13	4	5	7	5	0	4	43	262
42510	Lower South East	247	145	59	25	17	12	8	12	15	6	4	72	622
43005	Lincoln	123	116	33	10	9	6	9	9	8	3	5	56	387
43010	West Coast	24	21	8	4	10	5	3	2	2	1	3	12	95
43505	Whyalla	82	96	23	24	5	4	2	8	10	1	2	42	299
43515	Pirie	167	110	35	38	5	13	16	15	7	5	5	86	502
43520	Flinders Ranges	94	87	21	13	5	8	5	3	7	5	3	46	297
43525	Far North	22	9	7	6	3	20	7	7	5	0	3	14	103
	State total	**7268**	**5656**	**2261**	**1029**	**385**	**417**	**624**	**393**	**441**	**175**	**189**	**3230**	**22068**

TABLE T4.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – SOUTH AUSTRALIA (PERSONS OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
40505	Northern	987	936	289	174	78	81	46	63	85	33	37	541	3348
40510	Western	1348	1085	424	230	56	75	66	83	61	48	34	635	4145
40515	Eastern	1536	1078	523	236	57	85	85	90	62	57	31	739	4579
40520	Southern	1548	1254	491	258	75	96	77	95	82	55	41	767	4840
41005	Barossa	169	142	52	29	9	11	8	10	10	6	5	86	538
41010	Kangaroo Island	18	16	5	3	1	1	1	1	1	1	1	9	59
41015	Onkaparinga	89	81	26	16	6	7	4	6	7	3	3	48	296
41020	Fleurieu	175	146	53	32	6	9	8	11	7	6	5	81	538
41505	Yorke	177	143	55	31	6	9	9	11	7	6	4	82	539
41510	Lower North	112	88	36	19	5	7	6	7	5	4	3	55	345
42005	Riverland	159	139	48	28	9	10	8	10	10	5	5	80	510
42010	Murray Mallee	153	130	46	27	8	10	7	9	9	5	4	76	486
42505	Upper South East	92	76	29	16	5	6	5	6	5	3	3	47	291
42510	Lower South East	174	151	53	30	10	12	8	11	11	6	5	90	563
43005	Lincoln	124	105	38	22	6	8	6	8	7	4	4	63	395
43010	West Coast	20	18	6	4	2	2	1	1	2	1	1	11	67
43505	Whyalla	81	78	23	14	7	7	4	5	7	3	3	45	277
43515	Pirie	146	120	45	25	7	9	7	9	7	5	4	72	457
43520	Flinders Ranges	80	72	24	14	5	6	4	5	6	3	3	44	266
43525	Far North	15	17	4	3	3	2	1	1	3	0	1	12	61
	State total	**7204**	**5875**	**2270**	**1209**	**360**	**455**	**360**	**442**	**394**	**254**	**196**	**3582**	**22601**

TABLE T4.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – SOUTH AUSTRALIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
40505	Northern	101	100	89	106	102	93	171*	114	120	77	96	93	100
40510	Western	98	97	97	87*	112	80*	162*	100	112	74*	106	91*	97*
40515	Eastern	99	95	108	82*	65*	106	242*	60*	83	58*	118	96	99
40520	Southern	95*	98	99	70*	71*	53*	137*	54*	123	70*	56*	76*	90*
41005	Barossa	98	83*	113	80	263*	158	166	77+	107	34+	99+	92	98
41010	Kangaroo Island	138	37+	230	119+	209+	83+	0+	87+	91+	0+	0+	110+	106
41015	Onkaparinga	100	78*	95	32+	147+	88+	118+	107+	133+	66+	100+	54*	84*
41020	Fleurieu	97	86	70*	92	116+	55+	146	110	44+	16+	44+	90	88*
41505	Yorke	107	87	99	85	118+	76+	116+	157	105+	65+	111+	111	100
41510	Lower North	137*	93	101	91	217+	167	122+	133+	157+	100+	70+	94	113*
42005	Riverland	108	89	106	75	199*	105	118+	101+	126	55+	162+	108	103
42010	Murray Mallee	102	93	127	59*	115+	92+	227*	74+	93+	131+	89+	94	100
42505	Upper South East	84	93	73	76	282*	67+	110+	124+	97+	0+	155+	92	90
42510	Lower South East	142*	96	111	83	162	98	96+	110	131	101+	75+	80*	110*
43005	Lincoln	99	110	87	46+	141+	74+	147+	117+	113+	69+	137+	89	98
43010	West Coast	120	114	138+	111+	659+	303+	316+	161+	118+	153+	416+	108	141*
43505	Whyalla	101	123	99	168*	75+	58+	54+	154+	139+	38+	64+	93	108
43515	Pirie	114	92	77	152*	74+	145	218*	167	94+	97+	124+	119	110*
43520	Flinders Ranges	117	122	87	93	91+	129+	128+	60+	116+	183+	111+	106	112
43525	Far North	149	52+	200+	221+	116+	846*	1024+	755+	170+	0+	312+	119	169*
	State total	101	96*	100	85*	107	92	173*	89*	112*	69*	96	90*	98*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T4.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – SOUTH AUSTRALIA (MALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
40505	Northern	104	104	89	120*	98	87	157*	94	121	95	100	93	103
40510	Western	97	95	91	93	125	87	131	102	112	77	103	97	97
40515	Eastern	100	90*	116	91	58*	125	219*	71*	71*	75	127	96	98
40520	Southern	98	98	95	66*	69*	56*	134	64*	103	70	44*	74*	90*
41005	Barossa	99	77*	97	99	296*	161	118+	76+	98+	0+	107+	88	96
41010	Kangaroo Island	138	29+	320+	166+	298+	118+	0+	153+	114+	0+	0+	127+	119
41015	Onkaparinga	99	83	98	29+	209+	21+	131+	69+	130+	68+	135+	53*	85*
41020	Fleurieu	95	84	84	115	147+	70+	159+	140+	57+	33+	60+	73*	89*
41505	Yorke	99	97	116	91	99+	71+	115+	145+	134+	68+	151+	85	99
41510	Lower North	128	86	114	113	158+	171+	107+	90+	125+	0+	96+	93	108
42005	Riverland	102	87	95	100	116+	100+	150+	96+	119+	38+	161+	108	99
42010	Murray Mallee	106	87	126	64	109+	121+	266*	59+	72+	73+	118+	82	97
42505	Upper South East	90	88	55+	93+	277+	52+	175+	35+	122+	0+	156+	81	89
42510	Lower South East	137*	93	109	90	122+	111+	72+	110+	154	73+	51+	80	108
43005	Lincoln	100	99	91	40+	111+	74+	91+	123+	88+	46+	146+	90	93
43010	West Coast	127	120	68+	157+	545+	421+	368+	141+	145+	288+	535+	107+	150*
43505	Whyalla	111	122	133	171	42+	62+	104+	150+	173+	0+	85+	73	111
43515	Pirie	120	87	101	180*	86+	122+	241+	222+	102+	81+	135+	130	117*
43520	Flinders Ranges	111	112	90+	95+	103+	164+	193+	114+	144+	150+	147+	100	111
43525	Far North	131	39+	157+	227+	100+	988*	572+	724+	201+	0+	122+	97+	157*
	State total	102	95*	100	93*	104	98	159*	92	108	70*	99	89*	98*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T4.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – SOUTH AUSTRALIA (FEMALES OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Nephritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
40505	Northern	98	95	89	78	112	106	186*	135	117	62*	83+	92	97
40510	Western	99	99	102	76*	83	68*	188*	98	112	71	114	85*	97
40515	Eastern	99	101	105	67*	80	84	257*	52*	122	46*	96+	95	99
40520	Southern	92*	97	101	76*	75	48*	140*	45*	192*	69*	85+	79*	91*
41005	Barossa	98	93	125	42+	184+	153+	213+	79+	142+	64+	78+	96	101
41010	Kangaroo Island	138+	50+	125+	0+	0+	0+	0+	0+	0+	0+	0+	83+	83
41015	Onkaparinga	101	72	92	38+	0+	232+	103+	147+	142+	64+	0+	55*	83*
41020	Fleurieu	100	89	57*	41+	51+	30+	130+	77+	0+	0+	0+	111	87*
41505	Yorke	118	72*	85	71+	157+	85+	117+	169+	0+	62+	0+	140*	103
41510	Lower North	147*	103	92	47+	349+	160+	136+	174+	278+	186+	0+	96	120*
42005	Riverland	116	92	116	22+	399+	116+	83+	107+	156+	72+	165+	108	107
42010	Murray Mallee	96	103	128	48+	131+	31+	180+	91+	172+	193+	0+	109	104
42505	Upper South East	76	101	88	39+	295+	97+	44+	218+	0+	0+	152+	105	91
42510	Lower South East	148*	100	114	67+	257+	73+	121+	110+	43+	124+	142+	80	114*
43005	Lincoln	97	127	84	58+	212+	74+	213+	110+	210+	93+	109+	88	104
43010	West Coast	107+	103+	212+	0+	959+	0+	247+	187+	0+	0+	0+	110+	127
43505	Whyalla	88	124	70+	162+	159+	49+	0+	159+	0+	70+	0+	118	103
43515	Pirie	108	99	59*	96+	48+	186+	195+	112+	64+	111+	95+	107	101
43520	Flinders Ranges	124	136	85	88+	63+	51+	54+	0+	0+	215+	0+	113	112
43525	Far North	228+	88+	313+	195+	168+	226+	2521+	846+	0+	0+	1403+	171+	209*
	State total	100	98	100	71*	114	81*	186*	86*	127*	68*	89	91*	98*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T5.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – WESTERN AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	19.77	14.25	11.62	9.94	8.17	7.63	15.01	11.42	8.27	7.59	6.96	6.31
1-4	4.71	4.08	2.29	2.58	1.67	2.06	3.93	2.53	2.01	1.93	1.54	1.70
5-9	2.65	1.81	1.72	1.18	0.80	1.05	1.65	1.18	1.05	0.91	0.61	0.71
10-14	2.14	1.86	1.75	1.18	0.73	0.77	1.03	0.99	1.03	0.73	0.58	0.58
15-19	7.07	6.66	5.42	4.79	4.51	4.69	2.88	2.88	2.11	1.90	1.95	2.03
20-24	9.15	8.29	7.45	7.04	6.99	6.40	2.78	2.81	2.04	2.02	2.25	2.63
25-29	7.49	6.41	6.10	6.82	6.48	6.54	2.28	2.47	2.04	2.10	2.40	2.82
30-34	7.88	8.28	6.04	5.82	5.88	6.06	4.03	2.99	2.41	2.54	2.87	3.29
35-39	10.64	9.78	8.74	6.54	6.68	6.48	6.59	5.11	4.00	3.88	3.67	3.70
40-44	14.38	14.14	12.49	10.38	8.24	6.89	8.72	8.18	6.79	6.56	5.13	5.85
45-49	26.40	25.04	22.18	16.91	13.36	12.92	15.52	13.75	11.11	9.93	8.84	8.09
50-54	39.84	40.56	34.92	28.82	24.46	23.76	22.68	20.73	18.76	15.37	13.67	13.38
55-59	70.04	65.69	56.08	48.26	39.35	36.31	35.97	31.57	27.26	26.55	23.71	23.62
60-64	115.73	104.54	89.73	77.79	67.27	63.23	53.71	48.08	46.82	40.10	37.24	35.24
65-69	178.12	164.21	140.13	125.25	113.24	110.16	90.71	83.99	67.68	66.21	58.80	58.88
70-74	259.01	242.21	218.13	197.36	169.11	174.92	157.77	127.66	113.03	109.31	97.51	99.33
75-79	383.72	352.32	325.39	303.60	271.68	267.13	249.57	223.32	200.03	173.41	161.19	158.09
80-84	535.55	500.82	453.03	435.23	392.11	402.61	375.13	358.09	311.14	294.54	265.78	262.07
85-89	671.02	628.43	588.58	574.12	547.48	536.05	563.22	511.41	469.97	430.30	426.01	421.14
90-94	789.81	775.73	756.58	731.92	668.06	674.70	746.08	694.40	652.74	631.63	624.12	648.56
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T5.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – WESTERN AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	19.770	14.250	11.620	9.940	8.170	7.630	15.010	11.420	8.270	7.590	6.960	6.310
1-14	9.475	7.739	5.751	4.932	3.211	3.882	6.604	4.692	4.085	3.576	2.736	2.991
15-44	55.300	52.393	45.384	40.701	38.163	36.497	26.990	24.197	19.256	18.868	18.136	20.152
45-64	231.276	217.394	189.165	162.007	137.562	130.074	122.277	109.655	100.306	89.083	81.111	78.146
65-84	825.684	795.236	751.929	723.851	673.790	678.566	640.884	601.618	544.301	515.007	476.860	473.385
85-94	930.854	916.669	899.852	885.830	849.789	849.075	889.092	850.686	815.943	790.139	784.253	796.569
l_x (l_0 = 100 000) x =												
30	94811	95738	96417	96691	97098	97119	97074	97594	98157	98291	98380	98333
50	89304	90366	91729	92910	93821	94014	93730	94693	95790	96057	96377	96290
70	57952	60626	65405	69278	72723	73728	75986	78305	81251	82526	84095	84220
85	12291	14853	18869	21870	26753	26633	30010	34056	39714	42862	46742	47126
e_x (years) x =												
0	68.826	70.144	72.015	73.480	75.169	75.376	75.770	77.400	79.150	80.075	80.989	80.998
10	60.700	61.554	63.135	64.481	65.965	66.179	67.332	68.568	70.041	70.905	71.723	71.699
65	12.755	13.396	14.323	14.984	15.969	15.959	16.569	17.513	18.624	19.228	19.867	19.864

Note Based on abridged life tables.

TABLE T5.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – WESTERN AUSTRALIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	1.014	0.949	1.013	0.965	0.989	0.982	1.000	0.965	0.914	0.956	1.076	1.071
1-14	1.156	1.124	0.967	1.018	0.845	1.068	1.102	0.979	1.040	1.093	0.978	1.044
15-44	0.968	0.967	0.954	0.943	0.931	0.918	0.870	0.899	0.885	0.936	0.991	1.126
45-64	0.904	0.932	0.923	0.919	0.906	0.879	0.875	0.876	0.934	0.921	0.946	0.924
65-84	0.991	0.994	0.975	0.985	0.963	0.973	0.954	0.981	0.962	0.951	0.942	0.936
85-94	0.994	0.998	0.989	0.991	0.970	0.975	1.006	0.992	0.976	0.973	0.986	1.002
l_x (l_0 = 100 000) x =												
30	0.998	1.001	1.002	1.001	1.000	0.999	1.000	1.000	1.002	1.001	0.999	0.998
50	1.003	1.005	1.003	1.004	1.006	1.005	1.006	1.005	1.005	1.002	1.000	0.998
70	1.046	1.029	1.037	1.030	1.028	1.034	1.033	1.024	1.021	1.014	1.009	1.007
85	1.079	1.045	1.110	1.062	1.107	1.089	1.121	1.051	1.061	1.068	1.065	1.070
e_x (years) x =												
0	1.010	1.008	1.011	1.009	1.012	1.011	1.012	1.010	1.010	1.010	1.007	1.006
10	1.013	1.009	1.013	1.010	1.013	1.013	1.015	1.011	1.011	1.011	1.009	1.007
65	1.026	1.015	1.035	1.020	1.033	1.029	1.029	1.018	1.029	1.031	1.029	1.026

Note Based on abridged life tables.

TABLE T5.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – WESTERN AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	4.537	3.950	3.429	3.054	2.487	2.338	2.552	2.136	1.858	1.644	1.393	1.331
Malignant neoplasms (cancer)	2.245	2.315	2.248	2.282	2.111	2.129	1.302	1.367	1.268	1.335	1.330	1.343
Cerebrovascular disease (stroke)	1.374	1.208	0.891	0.727	0.596	0.621	1.292	1.090	0.763	0.608	0.544	0.540
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.761	0.736	0.685	0.559	0.484	0.467	0.132	0.149	0.171	0.166	0.173	0.190
Motor vehicle traffic accidents	0.451	0.384	0.297	0.224	0.184	0.172	0.174	0.145	0.102	0.091	0.072	0.083
Other accidents	0.394	0.338	0.286	0.215	0.201	0.184	0.158	0.130	0.121	0.090	0.093	0.087
Pneumonia and influenza	0.271	0.275	0.288	0.157	0.159	0.174	0.160	0.157	0.145	0.082	0.084	0.078
Diabetes mellitus	0.158	0.121	0.124	0.124	0.138	0.156	0.173	0.121	0.124	0.114	0.109	0.115
Suicide	0.206	0.166	0.184	0.198	0.209	0.208	0.076	0.050	0.050	0.053	0.051	0.050
Nephritis, nephrotic syndrome and nephrosis	0.087	0.071	0.073	0.090	0.092	0.076	0.044	0.041	0.067	0.056	0.046	0.045
Chronic liver disease and cirrhosis	0.073	0.110	0.115	0.109	0.082	0.085	0.043	0.048	0.043	0.038	0.034	0.032
All other causes	2.024	1.754	1.382	1.280	1.218	1.244	1.324	1.101	0.944	0.901	0.864	0.899
All causes	**12.582**	**11.429**	**10.001**	**9.020**	**7.963**	**7.854**	**7.430**	**6.537**	**5.659**	**5.177**	**4.794**	**4.793**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T5.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – WESTERN AUSTRALIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.886	0.882	0.885	0.938	0.925	0.893	0.904	0.894	0.913	0.904	0.896	0.863
Malignant neoplasms (cancer)	1.065	1.060	0.982	1.001	0.936	0.941	0.996	1.051	0.969	0.988	0.989	1.011
Cerebrovascular disease (stroke)	0.863	0.904	0.819	0.874	0.885	0.957	0.855	0.868	0.783	0.806	0.908	0.943
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	1.011	1.043	0.984	0.886	0.880	0.835	0.979	1.017	1.034	0.838	0.821	0.836
Motor vehicle traffic accidents	1.037	0.973	0.874	0.861	0.991	1.049	1.154	1.054	0.871	0.907	0.932	1.125
Other accidents	1.104	1.054	1.066	0.967	0.961	0.908	0.883	0.838	1.040	0.932	1.051	1.010
Pneumonia and influenza	0.686	0.905	1.364	1.088	1.209	1.237	0.678	0.860	1.190	0.882	1.036	0.969
Diabetes mellitus	0.903	0.785	0.927	0.881	0.943	1.073	1.013	0.923	1.123	1.035	1.015	1.021
Suicide	1.114	0.989	1.038	0.995	1.001	1.003	0.869	0.767	0.863	0.975	0.968	0.955
Nephritis, nephrotic syndrome and nephrosis	1.176	0.956	0.841	1.106	1.058	0.912	0.788	0.786	1.006	0.857	0.719	0.753
Chronic liver disease and cirrhosis	0.805	0.871	0.898	0.988	0.878	0.914	1.168	1.063	0.953	0.983	1.052	1.069
All other causes	1.123	1.129	1.003	0.981	0.941	0.967	1.020	1.037	1.002	0.998	0.988	1.016
All causes	0.961	0.968	0.937	0.953	0.934	0.933	0.930	0.944	0.933	0.927	0.942	0.949

TABLE T5.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – WESTERN AUSTRALIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm.	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.–	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
50505	Central Metropolitan	995	709	380	126	46	62	71	54	53	34	20	549	3099
50510	East Metropolitan	578	550	200	86	50	45	24	42	45	14	14	374	2022
50515	North Metropolitan	1087	995	323	172	51	77	46	57	78	24	26	624	3560
50520	South West Metropolitan	795	828	228	126	40	66	57	45	59	30	32	436	2742
50525	South East Metropolitan	866	853	266	137	62	63	43	69	70	26	28	489	2972
51005	Dale	182	199	49	33	12	9	14	13	16	3	4	93	627
51010	Preston	241	189	71	53	13	14	10	22	11	5	12	132	773
51015	Vasse	103	87	44	15	8	7	5	3	9	1	4	52	338
51020	Blackwood	48	47	17	9	11	9	1	5	7	2	0	41	197
51505	Pallinup	43	39	7	7	3	4	4	2	2	5	0	16	132
51510	King	194	127	55	25	19	11	9	9	13	3	4	78	547
52005	Hotham	65	58	19	10	3	6	1	3	4	5	2	23	199
52010	Lakes	15	12	1	1	2	2	2	0	1	0	0	5	41
52505	Moore	36	30	6	3	3	2	4	3	3	0	0	10	100
52510	Avon	98	100	23	22	12	10	14	7	9	6	2	48	351
52515	Campion	34	33	10	6	3	2	3	3	2	2	1	15	114
53005	Lefroy	101	75	29	19	16	16	8	8	11	3	7	83	376
53010	Johnston	45	24	11	8	3	5	3	1	1	1	0	19	121
53505	Gascoyne	17	25	6	8	3	4	0	3	5	2	1	15	89
53510	Carnegie	18	8	1	4	6	3	2	4	1	1	1	21	70
53515	Greenough River	123	113	37	29	11	15	7	7	11	6	2	69	430
54005	De Grey	22	18	7	7	16	4	6	2	2	1	3	34	122
54010	Fortescue	25	24	5	0	5	5	7	5	8	1	1	23	109
54505	Ord	24	12	10	2	12	6	7	8	2	3	2	38	126
54510	Fitzroy	31	26	12	9	6	11	6	12	3	2	6	40	164
	State total	5786	5181	1817	917	416	458	354	387	426	180	172	3327	19421

TABLE T5.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – WESTERN AUSTRALIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
50505	Central Metropolitan	1102	742	380	169	39	60	62	64	42	42	20	529	3252
50510	East Metropolitan	642	575	195	110	46	51	32	40	51	22	22	351	2135
50515	North Metropolitan	1279	1102	397	214	86	96	64	79	94	44	40	682	4177
50520	South West Metropolitan	965	835	296	165	57	67	47	60	62	33	30	497	3114
50525	South East Metropolitan	924	803	285	156	64	71	46	58	69	32	30	496	3033
51005	Dale	219	191	65	40	10	13	10	14	11	7	6	105	690
51010	Preston	248	210	76	42	15	18	12	15	17	9	8	132	803
51015	Vasse	122	97	38	21	5	7	6	7	5	4	3	60	378
51020	Blackwood	63	55	19	11	4	5	3	4	4	2	2	35	207
51505	Pallinup	43	38	13	7	3	4	2	3	3	1	1	25	144
51510	King	161	141	48	29	8	10	8	10	9	5	5	81	517
52005	Hotham	68	56	21	12	4	5	3	4	4	2	2	36	217
52010	Lakes	15	15	4	3	1	1	1	1	1	1	1	9	54
52505	Moore	34	35	9	6	3	3	2	2	3	1	1	19	119
52510	Avon	108	94	33	19	6	8	5	7	7	4	3	57	350
52515	Campion	44	38	13	8	3	4	2	3	3	2	1	25	146
53005	Lefroy	78	70	24	13	10	9	4	5	11	3	3	53	281
53010	Johnston	44	39	13	8	3	4	2	3	4	1	2	25	147
53505	Gascoyne	24	24	7	4	2	2	1	2	3	1	1	15	87
53510	Carnegie	10	11	3	2	2	1	1	1	2	0	1	8	41
53515	Greenough River	126	119	36	22	10	11	6	8	11	4	5	71	429
54005	De Grey	23	25	7	4	5	5	1	1	6	1	2	23	103
54010	Fortescue	15	21	3	2	5	5	1	1	6	0	2	20	82
54505	Ord	10	11	3	2	2	2	1	1	2	0	1	9	42
54510	Fitzroy	24	24	7	4	4	3	1	1	4	1	1	19	94
	State total	6392	5370	1995	1073	398	464	323	393	436	224	193	3380	20642

TABLE T5.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – WESTERN AUSTRALIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm.	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid–	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
50505	Central Metropolitan	90*	96	100	74*	118	104	114	84	127	81	98	104	95*
50510	East Metropolitan	90*	96	103	78*	108	88	76	105	89	64*	64*	107	95*
50515	North Metropolitan	85*	90*	81*	80*	59*	80*	72*	72*	83	54*	64*	92*	85*
50520	South West Metropolitan	82*	99	77*	76*	70*	99	121	75*	94	90	107	88*	88*
50525	South East Metropolitan	94*	106	93	88	97	89	94	120	101	81	94	99	98
51005	Dale	83*	104	76*	83	124	70+	137	95	148	40+	62+	88	91*
51010	Preston	97	90	93	125	84	78	81+	144	65	58+	159	100	96
51015	Vasse	84	89	115	70	161+	99+	80+	40+	164+	23+	131+	87	90*
51020	Blackwood	76*	86	90	81+	278*	190+	32+	129+	158+	92+	0+	119	95
51505	Pallinup	99	103	53+	95+	97+	113+	180+	75+	58+	337+	0+	65*	91
51510	King	120*	90	114	87	229*	106	118+	89+	142	55+	81+	96	106
52005	Hotham	96	104	90	87+	74+	124+	29+	73+	91+	210+	102+	64*	92
52010	Lakes	97	82	23+	36+	157+	140+	255+	0+	67+	0+	0+	54+	77
52505	Moore	105	85	65+	46+	112+	69+	265+	137+	97+	0+	0+	53+	84
52510	Avon	91	107	70*	117	194	131+	258*	105+	130+	160+	58+	84	100
52515	Campion	78	87	75+	79+	98+	56+	129+	113+	58+	130+	68+	60*	78*
53005	Lefroy	130*	108	123	143	165	174	191+	166+	104	110+	233+	157*	134*
53010	Johnston	103	61*	84	106+	88+	134+	139+	37+	27+	67+	0+	76	82*
53505	Gascoyne	69	103	88+	181+	120+	161+	0+	195+	180+	258+	93+	100	102
53510	Carnegie	172	73+	35+	214+	362+	201+	385+	610+	53+	312+	184+	275*	172*
53515	Greenough River	98	95	102	129	109	139	117+	89+	99	146+	42+	97	100
54005	De Grey	94	71	107+	191+	299*	84+	458+	139+	33+	143+	196+	149	118
54010	Fortescue	170*	114	146+	0+	92+	106+	860+	517+	128+	281+	66+	113	133*
54505	Ord	246*	110	385+	116+	590*	337+	1395+	1280+	93+	1021+	347+	419*	299*
54510	Fitzroy	128	108	175	215+	168+	330*	451+	803*	79+	254+	519+	214*	175*
	State total	91*	96*	91*	85*	104	99	109	98	98	80*	89	98	94*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T5.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – WESTERN AUSTRALIA (MALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
50505	Central Metropolitan	97	92	89	80*	121	119	145	90	107	119	91	108	97
50510	East Metropolitan	88*	94	111	85	123	84	88	114	78	69+	61+	92	92*
50515	North Metropolitan	86*	87*	89	82*	57*	68*	90	58*	81	47+	61*	91	85*
50520	South West Metropolitan	83*	100	81*	72*	66*	112	143	68*	110	113	100	90	90*
50525	South East Metropolitan	90*	100	86	77*	92	71*	82	123	97	92	97	91	92*
51005	Dale	79*	106	60*	91	119+	82+	124+	108+	187	53+	82+	92	92
51010	Preston	99	95	90	128	83+	58+	80+	206*	67+	49+	106+	91	97
51015	Vasse	85	78	101	81	145+	66+	60+	0+	161+	44+	133+	77	83*
51020	Blackwood	84	94	43+	51+	316+	152+	56+	187+	196+	87+	0+	116	97
51505	Pallinup	102	104	33+	138+	89+	122+	254+	70+	72+	271+	0+	51+	92
51510	King	124*	88	126	81	173+	72+	120+	94+	138+	73+	82+	113	108
52005	Hotham	106	90	53+	102+	103+	154+	57+	94+	113+	87+	136+	52+	90
52010	Lakes	89+	65+	42+	50+	211+	94+	201+	0+	81+	0+	0+	18+	67*
52505	Moore	133	91	37+	21+	153+	46+	202+	74+	80+	0+	0+	41+	87
52510	Avon	86	102	103	115	205+	154+	302+	139+	145+	105+	77+	94	105
52515	Campion	73	78	103+	73+	89+	79+	146+	130+	71+	0+	88+	54+	76*
53005	Lefroy	138*	98	147	152	163	202	243+	112+	113+	69+	254+	140	134*
53010	Johnston	115	63*	80+	154+	121+	152+	166+	0+	33+	132+	0+	77	90
53505	Gascoyne	49+	95	134+	217+	163+	161+	0+	214+	220+	227+	117+	65+	97
53510	Carnegie	203*	82+	61+	288+	307+	252+	597+	0+	62+	529+	0+	199+	166*
53515	Greenough River	96	90	105	121	109+	143	59+	91+	112+	189+	55+	99	99
54005	De Grey	85	74	93+	195+	344*	81+	404+	115+	40+	279+	159+	141	117
54010	Fortescue	176	111	95+	0+	73+	133+	907+	305+	134+	487+	80+	90	126
54505	Ord	235*	128+	202+	162+	652+	361+	1233+	516+	112+	599+	433+	345*	268*
54510	Fitzroy	87	103	189+	231+	150+	317+	732+	1097+	96+	222+	326+	216*	169*
	State total	92*	94*	90*	86*	106	97	126*	100	99	90	86	95*	94*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T5.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – WESTERN AUSTRALIA (FEMALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.–	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
50505	Central Metropolitan	85*	100	106	66*	111	86	91	79	197*	53*	114+	101	93*
50510	East Metropolitan	92	98	96	66*	73+	97	64+	96	132	59+	71+	123*	98
50515	North Metropolitan	84*	94	76*	78*	65*	102	57*	84	89	60*	73+	93	86*
50520	South West Metropolitan	82*	98	75*	85	80	73	101	82	37+	71	125+	85*	86*
50525	South East Metropolitan	98	114*	98	108	109	125	105	117	115	73	87+	107	105
51005	Dale	90	101	90	67+	134+	46+	152+	80+	0+	28+	0+	84	90
51010	Preston	95	82	95	121	88+	116+	82+	80+	58+	66+	311+	110	96
51015	Vasse	84	106	127	46+	196+	158+	103+	85+	173+	0+	124+	98	98
51020	Blackwood	64*	72	135	152+	179+	276+	0+	58+	0+	97+	0+	123	92
51505	Pallinup	94	101	71+	0+	116+	92+	96+	82+	0+	403+	0+	83+	90
51510	King	115	93	103	99+	354+	174+	115+	85+	155+	36+	80+	75	102
52005	Hotham	84	125	119	54+	0+	62+	0+	50+	0+	325+	0+	77	94
52010	Lakes	113+	112+	0+	0+	0+	270+	348+	0+	0+	0+	0+	113+	95
52505	Moore	39+	75+	106+	119+	0+	138+	383+	243+	176+	0+	0+	73+	78
52510	Avon	97	115	41+	120+	166+	82+	205+	65+	72+	218+	0+	71	94
52515	Campion	85	102	46+	95+	126+	0+	105+	90+	0+	293+	0+	70+	83
53005	Lefroy	118	124	100	123+	173+	88+	117+	233+	58+	157+	155+	182*	133*
53010	Johnston	86	59+	89+	0+	0+	92+	105+	81+	0+	0+	0+	75+	70*
53505	Gascoyne	112+	118+	33+	84+	0+	161+	0+	166+	0+	297+	0+	158+	111
53510	Carnegie	97+	56+	0+	0+	564+	0+	0+	1694+	0+	0+	1017+	421*	184*
53515	Greenough River	101	104	99	148+	107+	130+	192+	87+	46+	100+	0+	94	103
54005	De Grey	111+	65+	121+	181+	156+	95+	530+	176+	0+	0+	367+	162	121
54010	Fortescue	151+	119+	231+	0+	153+	0+	761+	965+	96+	0+	0+	158	150*
54505	Ord	271+	76+	627+	0+	399+	254+	1692+	2528+	0+	1577+	0+	549*	365*
54510	Fitzroy	211*	116+	158+	174+	221+	370+	0+	343+	0+	296+	1278+	210*	187*
	State total	89*	100	92*	84*	101	102	94	97	93	72*	99	102	95*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T6.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – TASMANIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	18.64	16.72	14.98	13.23	9.31	7.82	12.48	11.62	10.17	9.42	7.35	6.16
1-4	4.28	3.05	2.62	2.10	0.91	0.82	2.76	2.58	2.31	1.69	1.83	1.15
5-9	2.39	2.47	1.85	1.90	0.89	0.53	1.83	1.38	0.82	0.69	0.74	0.55
10-14	2.78	2.10	1.82	2.09	1.01	1.09	1.45	1.52	0.86	0.54	1.15	1.42
15-19	11.86	11.18	7.96	7.08	5.27	4.67	3.13	3.06	2.66	2.02	1.87	0.87
20-24	9.89	10.14	9.41	7.15	9.24	9.61	2.88	3.28	2.23	2.12	2.31	3.97
25-29	9.12	6.11	6.77	8.01	7.97	7.67	3.80	3.24	2.15	1.97	2.24	1.45
30-34	8.83	7.08	7.15	5.55	8.40	7.63	3.88	3.97	2.53	3.09	2.24	2.82
35-39	10.93	9.89	8.96	7.52	7.36	6.19	6.55	6.05	5.41	5.07	3.01	3.61
40-44	16.55	16.14	15.76	12.07	9.20	8.34	9.55	10.23	7.99	9.10	6.04	6.21
45-49	26.46	30.06	22.82	18.89	15.72	15.34	15.07	17.41	16.89	11.83	10.04	7.78
50-54	46.69	43.49	43.44	37.55	28.09	25.24	27.65	26.12	21.41	21.78	17.20	20.69
55-59	75.06	71.59	67.74	58.79	44.17	38.94	39.39	44.24	33.46	30.65	29.06	26.64
60-64	119.82	110.72	103.65	90.25	80.78	78.43	60.61	55.66	52.54	41.24	46.05	43.98
65-69	181.59	170.85	161.85	132.72	126.66	119.55	102.11	85.93	86.10	79.33	69.32	72.45
70-74	269.68	267.06	258.50	225.79	203.54	169.95	167.92	154.96	127.78	129.80	110.20	108.01
75-79	376.82	380.10	355.74	314.29	306.48	318.20	265.09	233.25	218.23	204.62	189.40	198.69
80-84	505.04	513.48	487.13	455.21	456.75	459.20	389.53	371.06	333.95	359.70	325.64	355.77
85-89	616.11	649.09	626.03	606.83	593.60	586.99	591.33	572.85	512.47	504.55	467.88	475.54
90-94	815.82	857.99	739.97	768.94	782.52	717.06	757.34	746.42	654.07	666.96	702.57	661.99
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T6.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – TASMANIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	18.640	16.720	14.980	13.230	9.310	7.820	12.480	11.620	10.170	9.420	7.350	6.160
1-14	9.420	7.594	6.271	6.082	2.808	2.446	6.032	5.470	3.998	2.932	3.720	3.127
15-44	65.363	59.066	54.743	46.462	46.514	43.318	29.431	27.536	22.762	23.168	17.591	18.789
45-64	244.437	234.033	218.907	191.456	159.483	149.913	135.785	136.314	118.985	101.626	98.845	95.785
65-84	815.642	816.718	794.647	749.167	737.936	730.533	664.814	627.510	584.943	591.984	547.321	572.884
85-94	929.297	950.167	902.758	909.155	911.619	883.142	900.830	891.685	831.348	834.997	841.733	822.727
l_x (l_0 = 100 000) x =												
30	94240	94929	95540	95911	96586	96818	97197	97553	97895	98165	98262	98450
50	88454	89057	90415	91754	92715	93235	93832	93926	94716	95338	96181	96456
70	56182	58313	60574	65580	69145	70870	73925	75466	77572	79799	81483	81532
85	12656	12890	14841	18967	20748	21690	27596	30753	35230	35365	39633	37544
e_x (years) x =												
0	68.213	68.911	69.998	71.805	73.266	74.069	75.152	75.947	77.541	78.159	79.323	79.272
10	59.944	60.443	61.359	63.039	64.077	64.747	66.430	67.127	68.571	69.080	70.105	69.892
65	12.790	12.854	13.324	14.374	14.733	15.137	16.029	16.795	17.697	17.768	18.569	18.324

Note Based on abridged life tables.

TABLE T6.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – TASMANIA

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	0.956	1.114	1.306	1.284	1.127	1.006	0.831	0.981	1.124	1.186	1.136	1.046
1-14	1.149	1.103	1.054	1.255	0.739	0.673	1.006	1.141	1.018	0.896	1.330	1.091
15-44	1.145	1.091	1.151	1.076	1.135	1.090	0.949	1.023	1.047	1.149	0.961	1.050
45-64	0.955	1.003	1.068	1.087	1.050	1.013	0.971	1.089	1.108	1.051	1.153	1.132
65-84	0.979	1.021	1.030	1.020	1.055	1.047	0.989	1.024	1.034	1.093	1.081	1.133
85-94	0.992	1.034	0.992	1.017	1.040	1.014	1.019	1.039	0.994	1.028	1.058	1.035
l_x (l_0 = 100 000) x =												
30	0.992	0.992	0.993	0.993	0.995	0.996	1.002	1.000	0.999	1.000	0.998	0.999
50	0.994	0.990	0.989	0.991	0.994	0.997	1.007	0.997	0.994	0.995	0.998	1.000
70	1.014	0.990	0.960	0.975	0.977	0.994	1.005	0.987	0.975	0.981	0.978	0.975
85	1.111	0.907	0.873	0.921	0.859	0.887	1.031	0.949	0.941	0.882	0.903	0.852
e_x (years) x =												
0	1.001	0.990	0.983	0.986	0.986	0.994	1.004	0.991	0.990	0.986	0.987	0.984
10	1.000	0.991	0.984	0.988	0.984	0.991	1.001	0.990	0.990	0.985	0.986	0.982
65	1.029	0.974	0.962	0.979	0.953	0.976	0.995	0.976	0.977	0.952	0.961	0.946

Note Based on abridged life tables.

TABLE T6.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – TASMANIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	4.716	4.673	4.193	3.510	2.942	2.791	2.631	2.549	2.082	2.006	1.633	1.661
Malignant neoplasms (cancer)	1.885	2.156	2.319	2.252	2.362	2.259	1.387	1.378	1.416	1.458	1.445	1.472
Cerebrovascular disease (stroke)	1.472	1.323	0.955	0.842	0.665	0.577	1.404	1.209	0.954	0.885	0.580	0.584
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.886	0.874	0.969	0.781	0.633	0.606	0.165	0.196	0.220	0.229	0.266	0.287
Motor vehicle traffic accidents	0.490	0.424	0.363	0.273	0.233	0.180	0.152	0.132	0.123	0.114	0.090	0.101
Other accidents	0.438	0.380	0.346	0.247	0.270	0.247	0.185	0.155	0.123	0.094	0.120	0.119
Pneumonia and influenza	0.457	0.494	0.196	0.159	0.298	0.308	0.357	0.334	0.125	0.095	0.203	0.167
Diabetes mellitus	0.177	0.142	0.110	0.154	0.105	0.084	0.175	0.127	0.109	0.102	0.091	0.077
Suicide	0.160	0.164	0.221	0.264	0.280	0.325	0.099	0.063	0.054	0.054	0.060	0.091
Nephritis, nephrotic syndrome and nephrosis	0.126	0.107	0.069	0.068	0.064	0.049	0.074	0.081	0.036	0.048	0.045	0.041
Chronic liver disease and cirrhosis	0.067	0.097	0.095	0.089	0.061	0.045	0.019	0.043	0.037	0.048	0.034	0.027
All other causes	1.775	1.631	1.622	1.474	1.479	1.397	1.287	1.129	1.104	1.078	1.075	1.118
All causes	**12.648**	**12.464**	**11.458**	**10.113**	**9.392**	**8.868**	**7.933**	**7.395**	**6.382**	**6.210**	**5.640**	**5.745**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T6.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – TASMANIA

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.921	1.043	1.082	1.077	1.094	1.066	0.932	1.066	1.022	1.103	1.050	1.077
Malignant neoplasms (cancer)	0.894	0.987	1.013	0.987	1.047	0.998	1.060	1.059	1.083	1.079	1.074	1.109
Cerebrovascular disease (stroke)	0.925	0.990	0.877	1.013	0.987	0.889	0.929	0.963	0.978	1.174	0.967	1.021
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	1.177	1.237	1.392	1.237	1.151	1.084	1.218	1.334	1.328	1.155	1.262	1.263
Motor vehicle traffic accidents	1.125	1.075	1.068	1.048	1.253	1.094	1.005	0.959	1.053	1.126	1.167	1.376
Other accidents	1.227	1.183	1.292	1.110	1.293	1.221	1.030	1.001	1.053	0.974	1.353	1.388
Pneumonia and influenza	1.155	1.624	0.929	1.103	2.267	2.191	1.507	1.823	1.022	1.024	2.502	2.076
Diabetes mellitus	1.008	0.920	0.821	1.098	0.718	0.577	1.025	0.967	0.984	0.924	0.844	0.683
Suicide	0.863	0.977	1.249	1.328	1.339	1.567	1.132	0.958	0.928	0.998	1.130	1.745
Nephritis, nephrotic syndrome and nephrosis	1.716	1.431	0.797	0.836	0.730	0.580	1.337	1.575	0.539	0.730	0.697	0.686
Chronic liver disease and cirrhosis	0.741	0.762	0.743	0.808	0.653	0.484	0.517	0.945	0.822	1.264	1.061	0.898
All other causes	0.984	1.050	1.177	1.129	1.143	1.086	0.992	1.063	1.171	1.194	1.228	1.263
All causes	0.966	1.056	1.074	1.068	1.102	1.054	0.993	1.068	1.052	1.112	1.108	1.138

TABLE T6.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – TASMANIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
60505	Greater Hobart	885	730	249	189	52	78	105	38	59	17	15	497	2914
61005	Southern	171	157	38	42	15	24	19	0	20	4	0	93	583
61505	Greater Launceston	521	376	165	84	29	36	49	27	46	23	13	292	1661
61510	Central North	74	61	22	10	12	4	13	6	6	0	1	37	246
61515	North Eastern	98	77	32	14	7	10	12	2	8	4	3	41	308
62005	Burnie-Devonport	433	343	129	62	22	31	33	28	16	8	10	262	1377
62010	North Western Rural	62	72	25	18	9	7	8	1	7	4	2	37	252
62015	Western	24	15	6	5	2	4	1	2	1	1	1	22	84
	State total	2268	1831	666	424	148	194	240	104	163	61	45	1281	7425

TABLE T6.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – TASMANIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
60505	Greater Hobart	874	714	276	147	46	57	44	54	49	31	24	443	2759
61005	Southern	145	130	43	26	9	10	7	9	10	5	5	76	474
61505	Greater Launceston	476	380	152	79	24	30	24	29	26	17	12	239	1489
61510	Central North	77	66	23	13	4	5	4	5	5	3	2	40	248
61515	North Eastern	82	70	25	15	4	5	4	5	4	3	2	40	259
62005	Burnie-Devonport	383	318	119	66	19	24	19	24	20	14	11	191	1208
62010	North Western Rural	78	72	23	14	6	6	4	5	6	3	3	43	262
62015	Western	17	17	5	3	2	2	1	1	2	1	1	12	63
	State total	2133	1768	666	362	113	140	106	132	123	75	60	1084	6762

TABLE T6.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – TASMANIA (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
60505	Greater Hobart	101	102	90	129*	114	138*	239*	71*	120	55*	63*	112*	106*
61005	Southern	118*	121*	89	162*	175	232*	273*	0+	207*	81+	0+	122	123*
61505	Greater Launceston	109	99	108	106	121	120	204*	93	180*	136	105	122*	112*
61510	Central North	96	92	94	75+	273*	75+	342*	126+	123+	0+	42+	93	99
61515	North Eastern	119	110	129	96	185+	199+	306*	39+	188+	141+	126+	101	119*
62005	Burnie-Devonport	113*	108	108	94	115	129	176*	118	78	59+	95+	137*	114*
62010	North Western Rural	80*	99	110	130	158+	111+	214+	21+	110+	156+	69+	87	96
62015	Western	140	88	125+	169+	96+	197+	117+	185+	43+	179+	125+	190*	133*
	State total	106*	104	100	117*	131*	139*	226*	79*	133*	81	75*	118*	110*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T6.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – TASMANIA (MALES OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
60505	Greater Hobart	104	97	99	116	112	136	250*	48*	122	74+	64	108	105
61005	Southern	106	123	97	137	147+	223*	225+	0+	232*	38+	0+	102	117*
61505	Greater Launceston	116*	99	109	113	127	114	158	60+	170*	139+	79+	120	112*
61510	Central North	84	74	123	89+	292+	84+	349+	162+	129+	0+	56+	65*	91
61515	North Eastern	98	101	102	80+	191+	210+	231+	37+	149+	209+	56+	107	106
62005	Burnie-Devonport	119*	109	106	105	100	72	236*	147	75	48+	106+	132*	115*
62010	North Western Rural	77	93	63+	145	219+	135+	239+	0+	118+	229+	45+	90	95
62015	Western	154	75+	80+	195+	130+	196+	190+	0+	53+	332+	0+	142+	122
	State total	108*	100	102	114*	132*	129*	228*	66*	133*	92	66*	112*	108*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T6.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – TASMANIA (FEMALES OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
60505	Greater Hobart	98	109	84*	152*	118	141	229*	91	111	40+	60+	116*	107*
61005	Southern	136*	117	80	221*	245+	255+	336+	0+	105+	129+	0+	150*	133*
61505	Greater Launceston	102	99	108	96	106+	129	242*	120	215	133	170+	125*	111*
61510	Central North	111	120	70+	46+	228+	56+	335+	87+	99+	0+	0+	125	110
61515	North Eastern	150*	124	154	133+	174+	178+	398+	42+	340+	71+	334+	95	138*
62005	Burnie-Devonport	106	107	110	74	149+	228*	117	90	89+	69+	68+	143*	113*
62010	North Western Rural	83	109	156	96+	0+	54+	183+	46+	80+	80+	151+	83	98
62015	Western	115+	110+	174+	109+	0+	200+	0+	436+	0+	0+	606+	265*	153*
	State total	105	108*	99	123*	128	156*	224*	91	133	73*	98	124*	111*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T7.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – NORTHERN TERRITORY

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
0-1	54.97	32.10	19.54	17.16	15.69	14.32	48.85	28.59	18.89	15.71	14.37	17.11
1-4	14.31	10.35	9.83	3.73	5.08	3.56	17.75	13.71	7.12	4.23	3.57	3.76
5-9	3.31	3.21	3.89	1.29	2.08	0.62	2.43	3.31	2.24	0.71	1.94	1.93
10-14	3.01	5.29	5.57	3.32	1.38	0.69	0.92	2.25	1.67	0.96	1.00	0.74
15-19	11.91	14.25	12.32	7.70	8.74	7.98	8.18	6.45	3.75	2.83	3.59	2.39
20-24	12.52	16.23	15.84	11.67	13.94	9.74	6.85	6.04	6.51	4.29	5.55	3.01
25-29	9.98	16.78	16.57	14.25	15.01	17.13	6.00	4.26	3.78	5.16	6.58	2.35
30-34	12.96	18.49	16.81	15.98	14.57	11.98	9.39	13.36	6.48	5.62	6.56	7.26
35-39	26.12	33.78	21.69	16.13	16.33	15.00	19.85	18.34	8.81	7.57	9.99	7.03
40-44	28.06	48.21	28.66	15.97	22.51	24.83	26.31	26.49	16.41	12.86	8.93	9.75
45-49	56.35	68.53	49.73	29.91	29.05	24.39	45.72	36.52	29.09	21.05	20.93	17.77
50-54	66.79	90.06	76.00	59.99	54.72	54.71	68.32	63.52	37.18	26.95	38.02	44.03
55-59	89.51	123.59	107.75	90.51	84.61	70.20	120.30	96.54	81.88	56.29	67.78	63.06
60-64	152.69	172.13	134.14	133.45	123.65	125.12	128.14	106.48	102.47	77.39	97.03	77.12
65-69	222.64	198.88	167.88	158.23	208.99	220.36	138.53	155.77	152.69	142.19	137.31	158.90
70-74	374.29	360.70	286.68	234.81	218.28	182.58	214.98	239.51	228.51	185.58	187.52	230.92
75-79	489.57	463.50	456.25	343.75	386.45	325.86	326.46	440.96	303.48	204.17	243.61	252.13
80-84	457.94	626.10	509.84	488.18	541.53	542.43	381.55	676.07	426.54	344.05	380.68	356.83
85-89	602.94	672.88	609.79	629.32	502.05	379.82	619.31	399.67	433.52	441.70	474.73	473.37
90-94	887.49	629.31	764.88	542.72	726.70	855.27	434.47	636.94	456.62	420.65	449.78	679.81
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T7.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – NORTHERN TERRITORY

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	54.970	32.100	19.540	17.160	15.690	14.320	48.850	28.590	18.890	15.710	14.370	17.110
1-14	20.533	18.733	19.184	8.326	8.523	4.863	21.032	19.190	11.004	5.893	6.509	6.419
15-44	97.505	139.354	106.877	79.006	87.758	83.674	74.340	72.816	44.942	37.766	40.509	31.395
45-64	320.627	385.030	321.652	281.326	263.724	249.798	318.087	271.630	229.673	170.632	207.183	188.077
65-84	865.421	897.263	841.800	783.652	826.065	803.418	718.296	883.732	738.899	635.308	671.656	688.849
85-94	955.326	878.741	908.256	830.495	863.910	910.239	784.710	782.042	692.183	676.551	710.987	831.380
l_x (l_0 = 100 000) x =												
30	89413	90558	91927	94224	93959	94708	91170	93690	95674	96652	96390	96903
50	78830	76139	81616	87080	86441	87689	82252	85113	89975	92171	91988	92911
70	44118	40271	48481	54305	51850	52571	50634	54321	60486	66984	64261	64598
85	7638	5164	9217	13957	11401	13255	16557	7481	18639	28478	24458	23897
e_x (years) x =												
0	61.389	60.562	64.111	67.776	67.293	68.508	64.851	66.143	70.730	74.294	72.933	72.742
10	56.056	53.375	56.242	59.286	58.829	59.780	59.516	59.205	62.736	65.837	64.382	64.406
65	11.031	11.188	12.421	13.741	12.881	13.424	14.778	12.801	14.830	16.666	16.076	15.054

Note Based on abridged life tables.

TABLE T7.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – NORTHERN TERRITORY

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) $x =$												
0	2.820	2.139	1.704	1.666	1.900	1.843	3.254	2.415	2.087	1.979	2.221	2.905
1-14	2.505	2.720	3.224	1.719	2.242	1.338	3.509	4.003	2.801	1.801	2.327	2.240
15-44	1.707	2.573	2.247	1.830	2.141	2.106	2.397	2.706	2.066	1.873	2.214	1.754
45-64	1.253	1.650	1.569	1.597	1.736	1.689	2.276	2.169	2.138	1.764	2.417	2.223
65-84	1.039	1.122	1.091	1.066	1.181	1.152	1.069	1.442	1.306	1.173	1.326	1.362
85-94	1.020	0.957	0.998	0.929	0.986	1.045	0.888	0.912	0.828	0.833	0.894	1.046
l_x (l_0 = 100 000) $x =$												
30	0.941	0.947	0.955	0.976	0.968	0.974	0.940	0.960	0.976	0.984	0.979	0.983
50	0.886	0.846	0.893	0.941	0.927	0.938	0.883	0.903	0.944	0.962	0.955	0.963
70	0.796	0.684	0.769	0.808	0.733	0.737	0.688	0.711	0.760	0.823	0.771	0.772
85	0.671	0.363	0.542	0.678	0.472	0.542	0.619	0.231	0.498	0.710	0.557	0.543
e_x (years) $x =$												
0	0.901	0.870	0.900	0.931	0.906	0.919	0.866	0.863	0.903	0.937	0.907	0.903
10	0.935	0.875	0.902	0.929	0.903	0.915	0.897	0.873	0.906	0.939	0.906	0.905
65	0.887	0.848	0.897	0.936	0.833	0.866	0.918	0.744	0.819	0.893	0.832	0.778

Note Based on abridged life tables.

TABLE T7.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – NORTHERN TERRITORY

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	3.312	4.092	3.657	2.799	2.962	2.820	1.886	2.219	2.481	1.914	1.721	1.359
Malignant neoplasms (cancer)	2.151	2.089	2.392	2.232	2.634	2.732	1.202	1.627	1.279	1.395	1.746	2.254
Cerebrovascular disease (stroke)	1.099	1.647	1.318	0.655	0.660	0.584	0.717	0.982	0.771	0.409	0.515	0.429
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.654	1.340	1.330	1.622	1.230	1.014	0.128	0.518	0.748	0.637	0.869	0.964
Motor vehicle traffic accidents	0.609	0.747	0.666	0.468	0.521	0.307	0.292	0.277	0.170	0.159	0.199	0.202
Other accidents	0.915	1.186	0.635	0.348	0.511	0.353	0.498	0.591	0.225	0.267	0.248	0.195
Pneumonia and influenza	1.511	1.425	0.928	0.576	0.659	0.654	1.344	1.818	0.808	0.398	0.517	0.539
Diabetes mellitus	0.123	0.188	0.232	0.246	0.311	0.377	0.214	0.440	0.276	0.313	0.494	0.534
Suicide	0.133	0.177	0.180	0.199	0.246	0.259	0.047	0.057	0.032	0.018	0.032	0.035
Nephritis, nephrotic syndrome and nephrosis	0.017	0.251	0.205	0.160	0.224	0.177	0.088	0.099	0.164	0.177	0.240	0.164
Chronic liver disease and cirrhosis	0.145	0.108	0.154	0.132	0.229	0.183	0.105	0.145	0.090	0.098	0.107	0.066
All other causes	6.017	4.764	3.216	2.675	2.561	2.302	5.683	4.681	2.846	1.946	2.004	2.262
All causes	**16.686**	**18.016**	**14.913**	**12.116**	**12.750**	**11.763**	**12.207**	**13.455**	**9.890**	**7.727**	**8.693**	**9.002**

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T7.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – NORTHERN TERRITORY

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.647	0.913	0.944	0.859	1.101	1.077	0.668	0.928	1.218	1.052	1.107	0.881
Malignant neoplasms (cancer)	1.021	0.957	1.044	0.978	1.168	1.207	0.920	1.250	0.978	1.032	1.299	1.698
Cerebrovascular disease (stroke)	0.691	1.232	1.211	0.788	0.979	0.899	0.474	0.783	0.791	0.543	0.859	0.749
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.869	1.897	1.911	2.568	2.237	1.812	0.945	3.525	4.518	3.208	4.123	4.242
Motor vehicle traffic accidents	1.399	1.893	1.960	1.797	2.803	1.873	1.933	2.015	1.449	1.575	2.587	2.734
Other accidents	2.561	3.697	2.367	1.564	2.443	1.747	2.782	3.814	1.936	2.780	2.786	2.272
Pneumonia and influenza	3.821	4.689	4.402	3.998	5.017	4.654	5.680	9.933	6.618	4.307	6.387	6.713
Diabetes mellitus	0.703	1.217	1.734	1.748	2.117	2.600	1.256	3.366	2.485	2.850	4.581	4.752
Suicide	0.716	1.057	1.015	0.998	1.179	1.249	0.533	0.861	0.550	0.327	0.600	0.675
Nephritis, nephrotic syndrome and nephrosis	0.227	3.368	2.360	1.954	2.564	2.114	1.583	1.916	2.455	2.680	3.756	2.727
Chronic liver disease and cirrhosis	1.599	0.856	1.201	1.202	2.437	1.976	2.861	3.205	2.012	2.564	3.332	2.178
All other causes	3.337	3.068	2.334	2.050	1.979	1.789	4.381	4.408	3.020	2.156	2.290	2.555
All causes	1.275	1.527	1.397	1.280	1.496	1.398	1.528	1.943	1.631	1.384	1.708	1.783

TABLE T7.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NORTHERN TERRITORY (PERSONS OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
70505	Darwin City	89	122	8	32	18	23	9	11	21	5	15	117	470
70510	Palmerston-East Arm	17	12	2	4	3	4	3	3	5	5	1	17	76
71005	Darwin Rural Areas	14	19	5	6	8	7	0	2	2	2	0	23	88
71010	Bathurst-Melville	4	3	2	8	1	0	2	1	1	0	0	3	25
71015	Alligator	10	13	5	11	6	2	5	0	1	1	0	24	78
71020	Daly	9	7	0	2	3	4	2	0	0	0	1	12	40
71025	East Arnhem	22	18	2	23	8	9	5	5	5	0	0	45	142
71030	Lower Top End NT	36	28	8	9	29	6	16	12	3	7	2	57	213
71035	Barkly	14	11	4	2	5	4	5	5	2	0	2	16	70
71040	Central NT	62	61	14	21	28	20	29	10	2	8	8	105	368
	State total	**277**	**294**	**50**	**118**	**109**	**79**	**76**	**49**	**42**	**28**	**29**	**419**	**1570**

TABLE T7.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NORTHERN TERRITORY (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
70505	Darwin City	86	101	22	15	17	14	4	6	19	2	6	67	358
70510	Palmerston-East Arm	10	11	3	2	2	2	1	1	2	0	1	10	42
71005	Darwin Rural Areas	15	18	3	3	2	2	1	1	3	0	1	11	61
71010	Bathurst-Melville	1	2	0	0	0	0	0	0	0	0	0	2	7
71015	Alligator	5	6	1	1	1	1	0	0	1	0	0	6	23
71020	Daly	3	4	1	1	1	1	0	0	1	0	0	3	15
71025	East Arnhem	7	10	2	1	3	2	0	0	3	0	1	10	38
71030	Lower Top End NT	16	19	4	3	4	3	1	1	4	0	1	15	70
71035	Barkly	8	9	2	1	1	1	0	0	2	0	0	6	32
71040	Central NT	47	49	13	8	8	7	3	3	9	2	2	38	188
	State total	197	228	52	34	39	34	10	13	43	6	12	167	836

TABLE T7.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NORTHERN TERRITORY (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
70505	Darwin City	104	121	36+	217*	108	161	220+	198	112	203+	270*	175*	131*
70510	Palmerston-East Arm	169	112	70+	239+	159+	231+	557+	471+	250+	1651+	184+	178	179*
71005	Darwin Rural Areas	96	104	145+	235+	320+	301+	0+	211+	67+	547+	0+	204*	145*
71010	Bathurst-Melville	271+	152+	525+	2795+	224+	0+	2834+	950+	227+	0+	0+	192+	346*
71015	Alligator	213+	217	421+	1285*	415+	172+	1946+	0+	68+	739+	0+	436*	334*
71020	Daly	281+	177+	0+	350+	369+	584+	1325+	0+	0+	0+	472+	343*	266*
71025	East Arnhem	330*	178	130+	2020*	298+	411+	1331+	1098+	177+	0+	0+	471*	370*
71030	Lower Top End NT	225*	151	195+	310+	809*	196+	1926*	1170*	80+	1487+	200+	377*	302*
71035	Barkly	183	129	196+	151+	342+	316+	1254+	1024+	132+	0+	454+	247*	220*
71040	Central NT	132	124	104	258*	351*	281*	1151*	334+	23+	520+	335+	279*	195*
	State total	141*	129*	96	345*	277*	231*	772*	385*	98	483*	236*	251*	188*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T7.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 - NORTHERN TERRITORY (MALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
70505	Darwin City	105	129*	25+	198*	90	136	204+	182+	119	239+	274*	149*	127*
70510	Palmerston-East Arm	219	79+	0+	276+	147+	236+	1088+	293+	312+	2265+	0+	180+	188*
71005	Darwin Rural Areas	95+	110	50+	220+	377+	219+	0+	0+	82+	1043+	0+	262*	149*
71010	Bathurst-Melville	419+	193+	497+	2872+	0+	0+	2346+	0+	284+	0+	0+	216+	362*
71015	Alligator	182+	137+	444+	854+	277+	110+	621+	0+	83+	0+	0+	258+	218*
71020	Daly	390+	213+	0+	278+	330+	767+	1162+	0+	0+	0+	599+	288+	296*
71025	East Arnhem	236*	132+	106+	913+	356+	468+	1224+	1017+	131+	0+	0+	380*	288*
71030	Lower Top End NT	202*	114	270+	279+	781*	167+	1229+	739+	96+	682+	248+	337*	260*
71035	Barkly	174+	130+	91+	214+	365+	308+	400+	1017+	161+	0+	284+	321*	219*
71040	Central NT	139	121	179	238*	379*	207	1480*	119+	15+	751+	275+	276*	198*
	State total	142*	124*	105	281*	272*	202*	738*	265*	103	530*	217*	232*	178*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T7.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – NORTHERN TERRITORY (FEMALES OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
70505	Darwin City	100	107	47+	258*	160+	247+	244+	223+	86+	166+	258+	216*	139*
70510	Palmerston-East Arm	97+	161+	125+	171+	190+	217+	0+	676+	0+	1174+	828+	175+	166*
71005	Darwin Rural Areas	101+	93+	276+	271+	156+	597+	0+	579+	0+	0+	0+	100+	135
71010	Bathurst-Melville	0+	107+	557+	2677+	812+	0+	3578+	1987+	0+	0+	0+	158+	321+
71015	Alligator	288+	342+	390+	2222+	827+	389+	4174+	0+	0+	1631+	0+	746*	568*
71020	Daly	87+	125+	0+	471+	484+	0+	1542+	0+	0+	0+	0+	424+	216
71025	East Arnhem	630+	248+	167+	4302*	140+	207+	1533+	1248+	372+	0+	0+	629*	543*
71030	Lower Top End NT	293*	222*	66+	401+	892+	303+	3448+	2006+	0+	2821+	0+	450*	401*
71035	Barkly	202+	128+	317+	0+	272+	342+	2685+	1035+	0+	0+	1124+	123+	221*
71040	Central NT	120	128	30+	302+	276+	502+	677+	606+	60+	270+	533+	285*	190*
	State total	138*	136*	85	485*	289*	328*	823*	560*	75+	433*	306+	282*	206*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T8.1 : AGE-SEX-SPECIFIC MORTALITY RATES(a), AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – AUSTRALIAN CAPITAL TERRITORY

	Males						Females					
Age	1971	1976	1981	1986	1991	1992	1971	1976	1981	1986	1991	1992
0-1	23.46	15.21	10.28	10.12	9.40	6.63	12.41	11.64	7.77	6.53	5.94	5.46
1-4	3.80	3.18	1.84	1.55	1.16	1.28	2.60	1.71	1.13	1.42	0.92	0.45
5-9	1.00	1.61	1.41	0.76	1.30	2.17	1.44	0.48	0.73	0.77	1.51	2.29
10-14	2.60	1.18	0.59	2.06	1.14	0.43	1.14	0.86	0.63	0.56	0.44	0.00
15-19	6.34	7.97	5.59	5.03	3.47	1.48	2.67	1.97	2.53	2.41	1.73	0.76
20-24	7.91	8.33	6.95	7.53	5.49	5.04	1.56	2.12	1.79	2.54	2.11	2.78
25-29	5.37	3.81	4.84	4.69	4.56	5.99	2.63	1.98	1.96	2.14	2.25	1.19
30-34	5.47	5.48	2.93	3.96	4.15	4.29	4.32	3.03	2.24	1.13	1.32	0.79
35-39	7.49	5.80	6.22	6.25	6.00	7.47	8.22	6.29	2.60	4.66	2.69	2.02
40-44	10.82	10.90	7.45	7.13	8.93	6.03	7.91	10.41	6.00	6.03	3.97	3.61
45-49	24.20	25.66	21.44	12.17	12.79	14.67	14.85	10.88	11.72	8.86	8.92	6.64
50-54	34.87	37.11	32.33	24.51	20.34	21.31	22.89	18.13	13.85	16.76	11.82	6.67
55-59	76.39	57.31	45.19	44.42	30.45	20.37	30.92	31.37	26.61	23.87	23.98	25.42
60-64	117.39	110.88	93.04	74.11	67.60	45.44	59.73	60.35	37.72	44.07	43.34	41.73
65-69	189.48	146.44	152.08	120.14	109.93	108.36	77.54	69.43	78.99	74.20	61.37	64.46
70-74	321.81	218.17	237.97	194.13	155.14	134.32	195.43	142.65	123.72	112.52	93.90	108.23
75-79	456.91	387.79	365.18	298.97	252.86	260.06	277.13	194.62	218.76	210.89	170.02	139.48
80-84	518.26	496.04	453.05	388.92	399.83	448.66	389.92	327.46	337.99	289.69	271.82	262.05
85-89	786.20	551.59	658.80	558.51	516.17	462.77	660.01	470.57	540.81	491.95	437.27	434.07
90-94	935.67	726.19	748.24	792.23	758.33	720.52	742.76	681.57	621.36	642.60	603.54	591.26
95+	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

Note (a) Per 1,000. Based on abridged life tables.

TABLE T8.2A : SELECTED LIFE TABLE FUNCTIONS, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991 AND FOR 1992 – AUSTRALIAN CAPITAL TERRITORY

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	23.460	15.210	10.280	10.120	9.400	6.630	12.410	11.640	7.770	6.530	5.940	5.460
1-14	7.382	5.962	3.843	4.359	3.603	3.887	5.167	3.057	2.489	2.755	2.876	2.743
15-44	42.623	41.560	33.519	34.094	32.164	29.940	27.015	25.560	17.001	18.765	13.993	11.109
45-64	232.278	213.640	179.993	147.431	125.702	98.233	122.878	116.051	87.129	90.652	85.543	78.476
65-84	856.187	794.108	775.652	696.255	662.806	685.105	672.686	567.854	582.599	539.468	485.982	470.217
85-94	986.247	877.224	914.101	908.271	883.071	849.852	912.540	831.415	826.135	818.426	776.900	768.684
l_x (l_0 = 100 000) x =												
30	95044	95937	96888	96866	97375	97717	97576	97937	98356	98373	98518	98712
50	90556	91416	93244	94038	94307	94580	94175	94971	96153	96353	96862	97428
70	57746	62975	66253	71411	74339	77180	77346	78980	81800	81842	83888	84556
85	10246	15191	17530	24652	28163	27257	27445	36677	37072	40712	45939	47883
e_x (years) x =												
0	68.450	70.974	72.375	74.378	75.904	76.812	75.520	77.944	78.975	79.537	81.063	81.627
10	60.413	62.396	63.348	65.301	66.799	67.572	66.760	69.026	69.732	70.226	71.732	72.282
65	11.676	13.784	13.635	15.282	16.258	16.383	15.867	18.118	17.796	18.484	19.738	19.889

Note Based on abridged life tables.

TABLE T8.2B : RATIO OF SELECTED LIFE TABLE FUNCTIONS OF A STATE TO THAT FOR AUSTRALIA, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – AUSTRALIAN CAPITAL TERRITORY

	Males						*Females*					
Age	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
q_x (per 1 000) x =												
0	1.204	1.013	0.896	0.983	1.138	0.853	0.827	0.983	0.859	0.822	0.918	0.927
1-14	0.901	0.866	0.646	0.900	0.948	1.069	0.862	0.638	0.634	0.842	1.028	0.958
15-44	0.746	0.767	0.705	0.790	0.785	0.753	0.871	0.950	0.782	0.930	0.765	0.621
45-64	0.908	0.916	0.878	0.837	0.828	0.664	0.879	0.927	0.811	0.937	0.998	0.928
65-84	1.028	0.993	1.005	0.948	0.948	0.982	1.001	0.926	1.030	0.996	0.960	0.930
85-94	1.053	0.955	1.005	1.016	1.008	0.975	1.033	0.969	0.988	1.008	0.977	0.967
l_x (l_0 = 100 000) x =												
30	1.000	1.003	1.007	1.003	1.003	1.005	1.006	1.004	1.004	1.002	1.001	1.002
50	1.018	1.016	1.020	1.016	1.011	1.011	1.010	1.008	1.009	1.005	1.005	1.010
70	1.042	1.069	1.050	1.062	1.051	1.082	1.051	1.033	1.028	1.006	1.007	1.011
85	0.900	1.069	1.031	1.197	1.166	1.114	1.026	1.132	0.990	1.015	1.047	1.087
e_x (years) x =												
0	1.004	1.019	1.016	1.021	1.022	1.030	1.009	1.017	1.008	1.003	1.008	1.013
10	1.008	1.023	1.016	1.023	1.026	1.035	1.006	1.018	1.007	1.002	1.009	1.015
65	0.939	1.044	0.985	1.041	1.052	1.057	0.985	1.053	0.983	0.991	1.022	1.027

Note Based on abridged life tables.

TABLE T8.3 : STANDARDISED DEATH RATES(a) BY CAUSE, BY SEX, TOTAL FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – AUSTRALIAN CAPITAL TERRITORY

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	5.072	3.915	3.694	2.538	2.169	2.118	2.723	2.013	1.841	1.643	1.432	1.486
Malignant neoplasms (cancer)	2.271	2.099	2.373	2.063	2.126	1.967	1.426	1.324	1.388	1.535	1.397	1.162
Cerebrovascular disease (stroke)	1.663	1.080	0.807	0.760	0.598	0.536	1.433	0.926	0.965	0.650	0.418	0.445
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	0.873	0.729	0.748	0.612	0.434	0.397	0.110	0.103	0.151	0.184	0.170	0.193
Motor vehicle traffic accidents	0.410	0.377	0.296	0.240	0.144	0.122	0.131	0.144	0.107	0.104	0.080	0.060
Other accidents	0.334	0.218	0.240	0.156	0.171	0.172	0.167	0.215	0.097	0.097	0.080	0.059
Pneumonia and influenza	0.299	0.283	0.338	0.266	0.234	0.195	0.189	0.201	0.215	0.118	0.128	0.129
Diabetes mellitus	0.243	0.186	0.151	0.147	0.163	0.130	0.122	0.128	0.093	0.121	0.076	0.087
Suicide	0.123	0.137	0.146	0.194	0.201	0.184	0.060	0.089	0.029	0.078	0.046	0.037
Nephritis, nephrotic syndrome and nephrosis	0.128	0.104	0.106	0.088	0.096	0.027	0.020	0.087	0.067	0.096	0.068	0.059
Chronic liver disease and cirrhosis	0.061	0.089	0.118	0.091	0.091	0.081	0.066	0.025	0.044	0.042	0.015	0.000
All other causes	2.572	1.566	1.396	1.359	1.197	1.145	1.416	0.954	0.873	0.837	0.908	0.883
All causes	14.049	10.783	10.412	8.518	7.623	7.076	7.866	6.208	5.870	5.506	4.818	4.600

Note (a) Per 1,000. Standardised with respect to the 1986 age distribution of persons in Australia.

TABLE T8.3A : RATIO OF STANDARDISED DEATH RATE OF A STATE TO THAT FOR AUSTRALIA BY CAUSE, BY SEX, AVERAGE FOR THREE YEARS AROUND CENSUS YEARS 1971 TO 1991, AND FOR 1992 – AUSTRALIAN CAPITAL TERRITORY

	Males						*Females*					
Causes of death	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*	*1971*	*1976*	*1981*	*1986*	*1991*	*1992*
Heart disease	0.990	0.874	0.953	0.779	0.807	0.809	0.965	0.842	0.904	0.903	0.921	0.964
Malignant neoplasms (cancer)	1.078	0.961	1.036	0.905	0.943	0.869	1.091	1.017	1.061	1.136	1.039	0.875
Cerebrovascular disease (stroke)	1.045	0.808	0.741	0.914	0.887	0.825	0.949	0.738	0.989	0.862	0.698	0.777
Chronic obstructive pulmonary disease and allied conditions (includes asthma,emphysema and bronchitis)	1.159	1.032	1.074	0.969	0.789	0.710	0.815	0.704	0.915	0.925	0.805	0.849
Motor vehicle traffic accidents	0.942	0.956	0.871	0.923	0.774	0.744	0.866	1.045	0.910	1.028	1.035	0.816
Other accidents	0.935	0.680	0.896	0.702	0.816	0.852	0.931	1.387	0.837	1.014	0.903	0.685
Pneumonia and influenza	0.757	0.932	1.603	1.848	1.777	1.388	0.800	1.098	1.763	1.282	1.578	1.601
Diabetes mellitus	1.384	1.203	1.130	1.045	1.109	0.896	0.715	0.975	0.842	1.104	0.703	0.775
Suicide	0.663	0.817	0.823	0.974	0.962	0.886	0.681	1.349	0.497	1.439	0.870	0.714
Nephritis, nephrotic syndrome and nephrosis	1.734	1.390	1.218	1.082	1.104	0.324	0.359	1.687	1.001	1.453	1.059	0.983
Chronic liver disease and cirrhosis	0.676	0.699	0.922	0.827	0.968	0.879	1.790	0.546	0.983	1.101	0.478	0.000
All other causes	1.427	1.009	1.013	1.041	0.925	0.890	1.091	0.899	0.926	0.928	1.037	0.998
All causes	1.073	0.914	0.976	0.900	0.894	0.841	0.985	0.896	0.968	0.986	0.947	0.911

TABLE T8.5 : OBSERVED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – AUSTRALIAN CAPITAL TERRITORY (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
80505	Central Canberra	305	222	79	49	12	28	31	14	26	11	11	176	964
80510	Belconnen	115	155	32	9	20	14	9	9	16	2	7	90	478
80515	Woden Valley	83	88	17	11	6	10	6	3	7	4	2	42	279
80520	Weston Creek	51	66	21	7	6	1	4	3	7	2	1	36	205
80525	Tuggeranong	46	89	4	3	11	10	3	2	7	0	0	36	211
80530	Outer Canberra	1	8	1	1	1	0	0	0	1	1	1	4	19
81005	Aust Capital Territory - Bal	1	1	0	0	0	0	1	0	1	0	0	0	4
	State total	**602**	**629**	**154**	**80**	**56**	**63**	**54**	**31**	**65**	**20**	**22**	**384**	**2160**

TABLE T8.6 : EXPECTED DEATHS BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – AUSTRALIAN CAPITAL TERRITORY (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth. disea.	All disea.
80505	Central Canberra	285	245	87	49	17	19	14	18	18	10	8	140	909
80510	Belconnen	152	160	44	26	21	19	7	10	23	5	8	102	576
80515	Woden Valley	110	107	32	19	9	9	5	7	10	4	4	58	373
80520	Weston Creek	67	65	20	11	7	6	3	4	7	2	3	38	234
80525	Tuggeranong	67	83	18	12	16	14	3	5	18	2	5	70	312
80530	Outer Canberra	4	5	1	1	1	1	0	0	1	0	0	3	17
81005	Aust Capital Territory - Bal	2	2	1	0	0	0	0	0	0	0	0	1	7
	State total	**688**	**665**	**203**	**117**	**70**	**68**	**33**	**44**	**76**	**23**	**28**	**412**	**2428**

TABLE T8.7 : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – AUSTRALIAN CAPITAL TERRITORY (PERSONS OF ALL AGES)

S.S.D. No.	Name	Heart	Neo-plasm	Cere-bro. vasc.	Chron obstr.	Motor accid.	Other accid.	Pneu. influe.	Diab-etes	Sui-cide	Neph-ritis neph-rotic	Chron liver	Oth disea.	All disea.
80505	Central Canberra	107	91	90	99	72	150	227*	79	147	112	132	126*	106
80510	Belconnen	76*	97	73*	35+	94	73	123+	92+	70	41+	92+	88	83*
80515	Woden Valley	75*	83*	53*	58*	69+	112+	118+	43+	73+	111+	46+	73*	75*
80520	Weston Creek	76*	102	104	64+	91+	15+	121+	71+	97+	90+	35+	94	87*
80525	Tuggeranong	69*	108	22+	26+	68	71+	86+	44+	40+	0+	0+	51*	68*
80530	Outer Canberra	23+	172+	84+	129+	150+	0+	0+	0+	138+	761+	445+	139+	114
81005	Aust Capital Territory - Bal	54+	62+	0+	0+	0+	0+	958+	0+	311+	0+	0+	0+	57+
	State total	88*	95	76*	68*	80	92	163*	71*	85	89	78	93	89*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T8.7M : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – AUSTRALIAN CAPITAL TERRITORY (MALES OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
80505	Central Canberra	100	83*	94	101	60+	199*	185	81+	157	139+	150+	133*	104
80510	Belconnen	70*	97	70	13+	99	65+	107+	123+	61*	97+	124+	95	82*
80515	Woden Valley	73*	80	81	34+	33+	82+	198+	29+	40+	129+	62+	66*	71*
80520	Weston Creek	72*	104	150	75+	106+	22+	130+	50+	122+	109+	47+	66	87
80525	Tuggeranong	57*	113	35+	27+	52+	85+	51+	82+	50+	0+	0+	44*	65*
80530	Outer Canberra	0+	65+	0+	179+	194+	0+	0+	0+	164+	0+	550+	110+	72+
81005	Aust Capital Territory - Bal	0+	0+	0+	0+	0+	0+	2619+	0+	370+	0+	0+	0+	50+
	State total	80*	91	85	62*	72*	101	152	79	86	112	96	91	86*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

TABLE T8.7F : STANDARDISED MORTALITY RATIO BY CAUSE, STATISTICAL SUB-DIVISION, STATES AND TERRITORIES AND AUSTRALIA, 1991 TO 1992 – AUSTRALIAN CAPITAL TERRITORY (FEMALES OF ALL AGES)

S.S.D. No.	*Name*	*Heart*	*Neo-plasm*	*Cere-bro. vasc.*	*Chron obstr.*	*Motor accid.*	*Other accid.*	*Pneu. influe.*	*Diab-etes*	*Sui-cide*	*Neph-ritis neph-rotic*	*Chron liver*	*Oth. disea.*	*All disea.*
80505	Central Canberra	115	100	88	97	100+	61+	265*	76+	107+	91+	87+	119	108
80510	Belconnen	84	96	76	71+	81+	94+	139+	61+	104+	0+	0+	80	85*
80515	Woden Valley	78	86	32+	102+	157+	178+	39+	57+	197+	98+	0+	81	80*
80520	Weston Creek	80	99	73+	48+	52+	0+	113+	92+	0+	77+	0+	124	88
80525	Tuggeranong	88	101	11+	23+	108+	28+	131+	0+	0+	0+	0+	63*	71*
80530	Outer Canberra	68+	377+	179+	0+	0+	0+	0+	0+	0+	1619+	0+	188+	197
81005	Aust Capital Territory - Bal	112+	169+	0+	0+	0+	0+	0+	0+	0+	0+	0+	0+	67+
	State total	96	99	69*	79	98	73	173*	63*	82	70+	28+	96	92*

Note * Significant at 5% level of significance. + Standardised mortality ratio is based on 10 or less number of observed deaths.

For more information ...

The ABS publishes a wide range of statistics and other information on Australia's economic and social conditions. Details of what is available in various publications and other products can be found in the *ABS Catalogue of Publications and Products* available at all ABS Offices (see below for contact details).

Information Consultancy Service

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National *Dial-a-Statistic* Line

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Electronic Data Services

DISCOVERY (Key *656#): The ABS intends discontinuing its statistical information service on DISCOVERY. Please contact Peter Davidson (Phone 06 252 6684) to discuss possible alternatives for acquiring statistics or if you wish to comment on this proposal. For details on electronic data services available, contact Information Services in any of the ABS Offices (see Information Inquiries below for contact details).

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