

CANCER SERIES

Number 5

Cancer in Australia 1989–1990

(with projections to 1995)

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Australian Institute of Health and Welfare

The Australian Institute of Health and Welfare (AIHW) is an independent federal statistics and research agency, responsible for developing information on Australia's health and its health and welfare services. It comprises three major research divisions, five external units, and a supporting corporate services division.

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The Australasian Association of Cancer Registries (AACR) is a collaborative body representing State and Territory cancer registries in Australia and New Zealand. All are members of the International Association of Cancer Registries (IACR). The Australasian Association of Cancer Registries was formed in November 1982, with the backing of the IACR, to provide a formal mechanism for promoting uniformity of collection, classification and collation of cancer data.

The purposes of AACR are:

- to provide a continuing framework for the development of population-based cancer registration in Australia and New Zealand
- to facilitate exchange of scientific and technical information between cancer registries and to promote standardisation in the collection and classification of cancer data
- to facilitate cancer research both nationally and internationally
- to facilitate the dissemination of cancer information

The Australian Institute of Health and Welfare has joined with AACR to produce national cancer statistics through the establishment of the National Cancer Statistics Clearing House.

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The major contributors of cancer deaths information are the State and Territory Registrars of Births, Deaths and Marriages, and the Australian Bureau of Statistics. Incidence information is received predominantly from hospitals, pathologists and departments of radiation oncology, with supplementary information provided by medical practitioners in private practice. The authors thank them all for their efforts.

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Foreword

The Australian Institute of Health and Welfare operates the National Cancer Statistics Clearing House to produce Australian cancer statistics from data provided by all State and Territory cancer registries.

This major cooperative effort results in comprehensive national information on cancer incidence, characteristics of patients, and their survival and mortality. It is one of the most important information resources on health available in Australia.

Because records come from distinct sources, each cancer registry faces a daunting task in gathering and collating the records in respect of each year. The timing of national results depends on the receipt of information from all eight registries and so is determined by the latest one to deliver data to the Institute.

The Institute is keen to improve the timeliness of national cancer data and will be working closely with the cancer registries to achieve this goal. More timely data will assist policy-makers and researchers in combating cancer in Australia.

Richard Madden
Director
Australian Institute of Health and Welfare

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Alphabetical listing of cancer types

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Cancer type	1989 (Page)	1990 (Page)
Alcohol-related	111	179
All cancers	49	117
Bladder	91	159
Bone and articular cartilage	77	145
Bowel		
Colon	64	132
Rectum	65	133
Small intestine	63	131
Brain and other nervous system	94	162
Breast	81	149
Central nervous system	113	114
Cervix uteri	82	150
Colon	64	132
Colo-rectal	66	134
Connective and other soft tissue	78	146
Corpus uteri	84	152
Digestive organs	71	139
Endocrine	96	164
Eye	93	161
Female genital organs	86	154
Floor of mouth	54	122
Gallbladder	68	136
Gum	53	121
Gynaecological	87	155
Head and neck	60	128
Heart	76	144
Hodgkin's disease	99	167
Hypopharynx	58	126
Intestine		
Colon	64	132
Rectum	65	133
Small intestine	63	131
Kidney	92	160
Larynx	73	141
Leukaemia	110	178
Lymphatic leukaemia	102	170
Monocytic leukaemia	108	176
Myeloid leukaemia	105	173
Other and unspecified leukaemia	109	177

Cancer type	1989	1990
	<i>(Page)</i>	<i>(Page)</i>
Lip	50	118
Lip, oral cavity and pharynx	59	127
Liver	67	135
Lung		
Trachea, bronchus and lung	74	142
Lymphatic leukaemia	102	170
Acute	103	171
Chronic	104	172
Lymphomas	100	168
Non-Hodgkin's lymphoma	98	166
Hodgkin's disease	99	167
Male genital organs	90	158
Mediastinum	76	144
Melanoma	79	147
Monocytic leukaemia	108	176
Mouth, other	55	123
Multiple myeloma	101	169
Myeloid leukaemia	105	173
Acute	106	174
Chronic	107	175
Nasal cavity	72	140
Nasopharynx	57	125
Nervous system	94	162
Non-Hodgkin's lymphoma	98	166
Non-melanocytic skin cancer (NMSC)	80	148
Oesophagus	61	129
Oropharynx	56	124
Ovary	85	153
Pancreas	69	137
Penis and other male genital organs	90	158
Peritoneum	70	138
Pharynx		
Hypopharynx	58	126
Nasopharynx	57	125
Oropharynx	56	124
Placenta	83	151
Pleura	75	143
Prostate	88	156
Rectum	65	133
Respiratory organs	76	144
Retroperitoneum	70	138
Salivary gland	52	120
Skin		
Melanoma	79	147
Non-melanocytic	80	148
Small intestine	63	131

Cancer type	1989 (Page)	1990 (Page)
Smoking-related	112.....	180
Soft tissue.....	78.....	146
Stomach.....	62.....	130
Testis.....	89.....	157
Thyroid	95.....	163
Thymus	76.....	144
Tongue.....	51.....	119
Trachea, bronchus and lung.....	74.....	142
Unknown primary site	97.....	165
Unspecified leukaemia	109.....	177
Uterus		
Body of uterus.....	84.....	152
Cervix uteri	82.....	150
Uterus unspecified	84.....	152
Ureter.....	73.....	141
Vagina	86.....	154
Vulva	86.....	154

Introduction

Cancer is a notifiable disease in all States and Territories and is the only major disease category for which an almost complete coverage of incidence data is available. Cancer is also a major cause of death in Australia, with deaths due to many of the most common cancers continuing to increase. If this situation is to be changed, good information on the occurrence of different types of cancer, on characteristics of patients, and on survival and mortality is essential. Such information facilitates the monitoring of trends and the impact of interventions, and provides a sound basis for epidemiological studies and the initiation of prevention and treatment programs.

Cancer surveillance in Australia

National data on cancer deaths have been available for many years, based on information in medical certificates of cause of death, as provided to the Registrar of Births, Deaths and Marriages in each State and Territory. The Australian Bureau of Statistics (ABS) uses these data to compile national annual cause of death statistics. Information concerning cancer deaths and non-cancer deaths of cancer cases is also collected by State and Territory cancer registries, based on death certificates and other diagnostic information. In order to provide interstate consistency in cancer death statistics, the Australian Bureau of Statistics death information has been used in this report.

The only effective method of obtaining cancer incidence data is through universal registration of cancer cases. Cancer incidence data are available from cancer registries which operate in each State and Territory. These registries are supported by a mix of State and Territory government and anti-cancer charity organisations. Some State and Territory registries have been operating for more than 20 years and obtain their information from hospital, pathology, radiotherapy and physician records. It was not until 1982, however, that cancer registration was universal in Australia (data were published in *Cancer in Australia 1982* (Giles et al. 1987)). Before then, there was no registration in some States, and in some others, registries covered only particular areas, hospitals or cancer types.

The National Cancer Statistics Clearing House

In June 1984 the National Health and Medical Research Council endorsed the concept of a national collection of cancer statistics. In April 1985 the National Committee on Health and Vital Statistics agreed that the National Cancer Statistics Clearing House (NCSCH) should be operated by the then Australian Institute of Health under the supervision of the Australasian Association of Cancer Registries (AACR).

Following the enactment of federal legislation establishing the then Australian Institute of Health as a statutory body in 1987, and subsequent legislation providing for the protection of confidentiality of records supplied to it, the Institute and the AACR established the NCSCH. This provides a facility for compiling data produced by individual State and Territory

registries on a continuing basis, identifying multiple registrations and producing accurate national incidence statistics.

The aim of the NCSCH is to foster the development and dissemination of national cancer statistics for Australia and specifically to:

- enable computation and publication of national statistics on cancer;
- allow tracking of interstate movement of cancer cases via record linkage;
- facilitate exchange of scientific and technical information between cancer registries and promote standardisation in the collection and classification of cancer data; and
- facilitate cancer research both nationally and internationally.

The NCSCH receives data from individual State and Territory cancer registries on cancer diagnosed in usual residents of Australia. This commenced with cases first diagnosed in 1982. The data items provided to the NCSCH by the State and Territory cancer registries enable record linkage to be performed and the analysis of cancer by type and behaviour.

The NCSCH produces reports of national incidence and mortality data. Periodically, analyses of cancer histology, differentials in cancer rates by country of birth, geographical variation and trends over time are undertaken on an accumulation of data which permits discussion of the data in greater depth. In the future it is anticipated that survival estimates at a national level will be presented in this publication.

The NCSCH is able to make available a broad range of statistical data. Data identifying individuals may only be released by State and Territory cancer registries to bona fide researchers subject to satisfactory scientific and ethical review and approval. General database inquiries and inquiries about the release of statistical data should be addressed to:

Australian Institute of Health and Welfare
National Cancer Statistics Clearing House
Attention: Mr Paul Jelfs
GPO Box 570
Canberra ACT 2601

Structure of this report

This report is divided into three major components:

- an introduction and overview of cancer in Australia in 1989–1990 and the estimated rates for the years to 1995
- a series of data tables by cancer type for 1989 and 1990
- appendixes comprising cancer coding system, methods, State and Territory registration features, glossary and reference sections.

The overview of cancer in Australia provides a selection of highlights from the data tables. It describes the patterns of cancer incidence and mortality by site, age, sex, and State and Territory. Comparisons of cancer incidence in Australia are made with a selection of other countries and with heart disease. Trends in cancer incidence and mortality and population-based cancer prevention programs are discussed. To support the discussion, a series of graphs are provided presenting age distributions, the most common cancers by age group, and international comparisons.

The bulk of the report is devoted to tables which contain age-specific, crude, and age-standardised incidence and mortality rates for males, females and persons for each cancer site. The order of the tables is based on the International Classification of Diseases, and an alphabetical index is provided. All rates are expressed per 100,000 population and are directly age-standardised to the World Standard Population. Included in these tables are estimates of

the lifetime risk of contracting each cancer, the person-years of life lost, and the numbers of each cancer as a proportion of the total (excluding non-melanocytic skin cancers). The tables also include numbers of new cancer cases and deaths, and age-standardised incidence and mortality rates for each State and Territory.

For each year, summary tables are provided for incidence and mortality. These list numbers of new cases and deaths, and crude and age-standardised incidence and mortality rates for Australia. Cumulative rates are given for incidence, while the mortality table provides estimates of the person-years of life lost. Sex ratios are presented in both tables.

The appendixes include the International Classification of Diseases coding system; a methods section providing formulae, explanations and examples of the techniques used to present the data in the report; population data for Australia during 1989–1995; and a summary table of State and Territory cancer registry characteristics.

Cancer in Australia

General

In Australia, over the 1989–1990 period, there was an average of 59,511 new cancer cases and 30,091 deaths due to cancer each year. At the rates prevailing during that period, 1 in 3 men and 1 in 4 women would be directly affected by cancer in the first 75 years of life and over 244,000 potential years of life would be lost to the community each year as a result of people dying of cancer before the age of 75.

Sex differences

Cancer occurs more commonly in males than females. The age-standardised incidence rate in 1990 for all cancers (excluding non-melanocytic skin cancer (NMSC)) was 308.4 new cases per 100,000 for males and 237.4 per 100,000 for females, resulting in an age-adjusted sex ratio of 1.3 male cases to every female cancer case. Males have an excess of cases for every major cancer type, except for cancers of the breast, gallbladder and thyroid.

Age differences

Cancer incidence increases with age. Of persons diagnosed with cancer, 1.4% of all cancers (excluding non-melanocytic skin cancer) occur in those aged less than 15 years, 11.8% in the 15–44 age group, 32.2% in the 45–64 age group, and 55% in those aged 65 and over. While the patterns of deaths across age groups are similar to those of incidence, a slightly larger proportion (67%) of cancer deaths occur in those aged 65 and over. Cervical cancer and testicular are exceptions to the age pattern (Figure 15, and Tables 39, 46, 105, 112)—the number of cases in the 15–44 age group exceed that in the 45–64 and 65 and over age groups.

These patterns are represented by the bottom graph in Figures 6–24. Of interest in this series of graphs are the differentials in the numbers of cases across each age group and between each sex. Generally the number of cases in males exceeds that in females, but this differential is much smaller or reversed in the youngest age groups (0–14 and 15–44) in some cancer types. This was seen in melanoma of the skin, colo-rectal cancer, kidney cancer (0–14) and all cancers combined.

Age-specific incidence and mortality rates vary depending upon the cancer type (Figures 25–28). For example lung cancer incidence and mortality rates parallel each other closely, rising sharply from ages 20–24 through to 80–84 before dropping in the oldest age group, whereas the age-specific incidence rates for melanoma rise much more steadily across the whole age range. It is notable that the mortality rates for melanoma are well below the incidence rates, indicating comparatively good survival rates. Melanomas generally occur on the skin, but may also occur on the eye and mucous membranes (such as the vagina and nasal cavities). In this publication the term melanoma refers to melanoma of the skin only.

Most common cancers

Non-melanocytic skin cancer is the most common cancer in Australia (Giles et al. 1988). Incidence data for this cancer are not collected on a routine basis by cancer registries, and are not fully reported in this publication. Survey-based estimates show age-standardised

incidence rates for treated NMSC in 1990 were 849 per 100,000 for males and 605 per 100,000 for females (Marks et al. 1993). These rates are 17 times the next most common male cancer (prostate) and 9 times the next most common female cancer (breast). NMSC has a relatively low mortality rate at 1.0 per 100,000 compared with the high mortality rates of male lung cancer 41.3 per 100,000, female breast cancer (20.5) and prostate cancer (17.9). NMSC will be excluded from any further comparisons in this publication. The totality of other cancers will be referred to as 'registerable cancers'.

The combination of colon and rectal cancers (8,726 new cases), often referred to as bowel or colo-rectal cancer, is the most common registerable cancer among persons. This is followed by breast (7,196) and lung (6,722) cancers, and melanoma (5,781), and together these four cancers account for 47% of all registerable cancers in 1990.

In males, for the first time, prostate cancer has become the most common cancer with 5,057 new cases diagnosed in 1989 and 5,753 new cases in 1990 (Table 1). Previously, lung cancer was the most common cancer but a decreasing incidence rate resulted in 4,896 new cases in 1990. These two cancers plus colo-rectal cancer (4,719) and melanoma (3,127) account for 57% of all registerable cancers in males.

In females, breast cancer (7,121) is the most common registerable cancer, followed by colo-rectal cancer (4,007), melanoma (2,654) and lung cancer (1,826) which in total account for 57% of all cancers in females.

The most common cancer causes of death are lung, colo-rectal and prostate cancers in males, and breast, colo-rectal and lung cancers in females (Table 1). Lung cancer causes approximately 5 times as many deaths as melanoma in females, despite the higher incidence of melanoma in this group. This indicates the poor survival rates of those diagnosed with lung cancer compared with those diagnosed with melanoma of the skin.

The number of person-years of life lost due to cancer is dominated by the most common cancers due to the large numbers of cases diagnosed. However, in relation to its incidence, cancer of the brain and nervous system is responsible for a relatively high number of person-years of life lost. Cancer of the brain and nervous system, which ranks as the twelfth most common cancer, is responsible for the fourth highest number of person-years of life lost (15,113). This is a direct result of the relatively large number of younger persons diagnosed with this cancer.

The most common cancers vary depending on age (Figure 2). In persons aged less than 15, the most common cancers diagnosed are lymphatic leukaemia and cancers of the brain and central nervous system. These two cancer types account for 46% of all cancers in this age group. In those aged 15-44, melanoma of the skin and breast cancer are the most common cancers, while breast, lung, colo-rectal, and prostate cancers are predominant in those persons aged over 45 years.

Projections

The projections of cancer incidence and mortality (Tables 2 and 3) for 1995 show an increasing number of new cases and deaths for all cancers combined (10,523 additional new cases and 3,014 additional deaths since 1989) and for many of the most common cancer types. This was expected as the population increased by 1.1% per annum over this period and the proportion of those aged over 65, who are at high risk of cancer, increased from 11.2% to 12.0%.

The overall population increase was lower than the estimated growth in new cancer cases.

The biggest projected increases in the number of new cases between 1989 and 1995 are for cancers in males, specifically, prostate cancer (4,684 new cases) and colo-rectal cancer (851 new

cases). In females, the largest increases are projected for breast cancer (1,713 new cases) and multiple myeloma (855 new cases). The largest increases in the age-standardised incidence rates in males are for prostate cancer (17.5% per annum), non-Hodgkin's lymphoma (2.6% per annum), and cancer of the oesophagus (1.8% per annum). Among females, the largest increases are for cancers of the oesophagus (3.0% per annum), kidney (2.0% per annum) and breast (1.8% per annum).

It is projected that the age-standardised incidence rates for cancers of the stomach (-5.0% per annum) and bladder (-2.8% per annum) will decline between 1989 and 1995 in both males and females. Other declines projected are for cancer of the lung (-3.1% per annum) in males, while small declines (less than 2% per annum) are projected for colon and rectum, pancreas, cervix and ovary cancers in females.

The changes in the mortality rates over this period are similar to the incidence rates, although of a smaller magnitude. The incidence trends over the period 1983-1990 and the projections to 1995 are presented in Figures 6-24.

Table 1: Most frequently occurring cancers in Australia, 1990

Australia 1990	New cases				Deaths			
	Number	Percent of all new cancer cases	AS Rate	Lifetime risk*	Number	Per cent of all cancer deaths	AS Rate	PYLL*
Males								
Prostate	5,753	17.7	50.4	1 in 18	2,078	12.2	17.8	4,729
Lung	4,896	15.0	45.8	1 in 18	4,447	26.1	41.1	29,228
Colo-rectal	4,719	14.5	44.8	1 in 19	2,189	12.9	20.2	14,624
Skin – melanoma	3,127	9.6	30.9	1 in 30	512	3.0	5.0	6,525
Bladder	1,532	4.7	14.1	1 in 62	479	2.8	4.3	1,967
Unknown primary	1,511	4.6	14.2	1 in 61	1,000	5.9	9.2	6,465
Non-Hodgkin's lymphoma	1,285	3.9	12.6	1 in 72	633	3.7	5.9	6,191
Stomach	1,168	3.6	10.8	1 in 80	781	4.6	7.1	4,782
Kidney	890	2.7	8.6	1 in 96	427	2.5	4.0	3,635
Pancreas	671	2.1	6.3	1 in 138	709	4.2	6.6	4,957
Females								
Breast	7,121	25.8	65.5	1 in 14	2,421	18.6	20.4	26,574
Colo-rectal	4,007	14.5	31.4	1 in 27	1,943	14.9	14.1	12,154
Skin – melanoma	2,654	9.6	24.9	1 in 40	317	2.4	2.6	4,167
Lung	1,826	6.6	15.2	1 in 51	1,593	12.2	12.6	11,847
Unknown primary	1,357	4.9	9.9	1 in 93	937	7.2	6.5	5,250
Uterus	1,075	3.9	9.5	1 in 84	217	1.7	1.5	1,199
Cervix	1,067	3.9	10.2	1 in 98	339	2.6	3.0	5,614
Non-Hodgkin's lymphoma	979	3.6	8.1	1 in 108	538	4.1	3.9	3,522
Ovary	968	3.5	8.7	1 in 99	732	5.6	6.0	6,735
Pancreas	598	2.2	4.2	1 in 212	657	5.0	4.7	3,547
Persons								
Colo-rectal	8,726	14.5	37.4	1 in 23	4,132	13.8	16.8	26,778
Breast	7,196	12.0	33.9	1 in 27	2,437	8.1	10.8	26,658
Lung	6,722	11.2	29.2	1 in 27	6,040	20.1	25.4	41,075
Skin – melanoma	5,781	9.6	27.6	1 in 35	829	2.8	3.7	10,692
Prostate	5,753	9.6	21.7	1 in 38	2,078	6.9	7.1	4,729
Unknown primary	2,868	4.8	11.8	1 in 74	1,937	6.4	7.7	11,714
Non-Hodgkin's lymphoma	2,264	3.8	10.3	1 in 87	1,171	3.9	4.8	9,713
Bladder	2,079	3.5	8.6	1 in 98	712	2.4	2.6	2,856
Stomach	1,761	2.9	7.2	1 in 120	1,266	4.2	5.0	7,482
Kidney	1,482	2.5	6.8	1 in 125	704	2.3	2.9	5,360

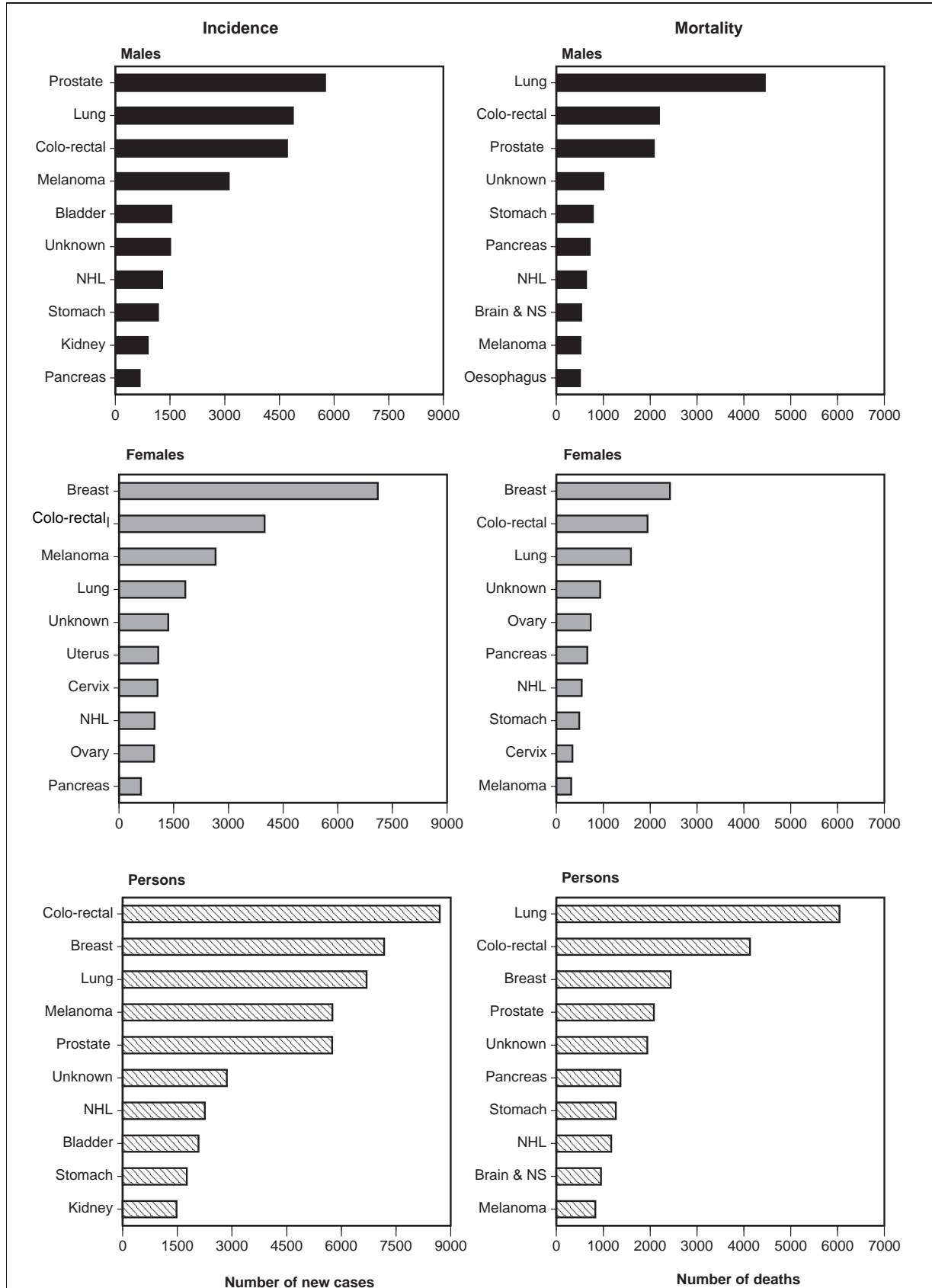
Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

* These measures are calculated for ages 0–74 years

Methods for the calculation of these measures are presented in Appendix B

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

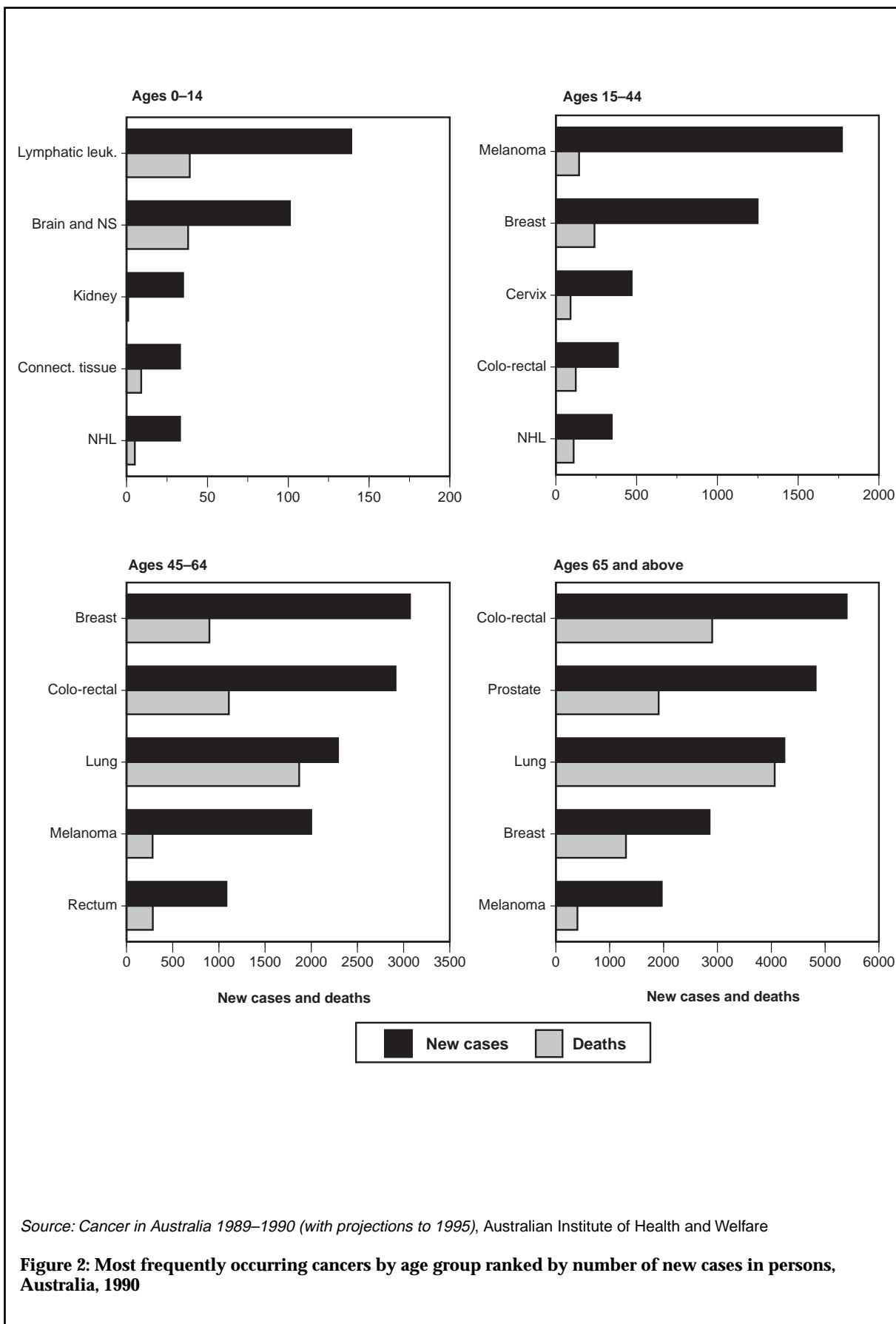
Most frequently occurring cancers



Source: Cancer in Australia 1989–1990 (with projections to 1995), Australian Institute of Health and Welfare

Figure 1: Most frequently occurring cancers in Australia in 1990

Most frequently occurring cancers by age group



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 2: Most frequently occurring cancers by age group ranked by number of new cases in persons, Australia, 1990

International comparisons

Comparisons of Australian age-standardised cancer incidence rates with those of other countries show overall Australian incidence rates are lower than those of other countries of similar development (Figures 3 and 4). For all cancers combined (except NMSC) Australian incidence rates for males and females were similar to those in North America, higher than those in Europe and much higher than those in Asia and South America. Australian melanoma rates are the highest in the world, twice that of the caucasian population in Los Angeles, United States of America (Giles et al. 1987). Of the countries selected for comparison, only New Zealand incidence rates approach those of Australians. It is interesting to note the relatively low international ranking of male lung cancer rates. Colon cancer incidence rates among Australians are almost 2 times higher than those in Osaka, Japan. It is also interesting to note that, despite the rise in Australian breast cancer incidence rates, rates in similarly developed countries such as Canada and the United States remain higher than those in Australia.

Comparison with circulatory diseases

Cancer, is the cause of 24.5% of all deaths in Australia, and is the second most common cause of death when compared with circulatory disease (43.8%). Cancer is a diverse mix of separate diseases, as are the circulatory diseases, therefore a comparison of the main causes of death within these groups is appropriate. Among men, lung cancer is the most common cause of cancer death and accounts for 7% of all male deaths, while ischaemic heart disease accounts for 27% of all male deaths. Breast cancer, the most common cause of cancer death among women, accounts for 4.4% of all female deaths, while ischaemic heart disease accounts for 25% of all female deaths.

This situation differs slightly when deaths prior to age 65 are considered separately. In 1992, cancer deaths accounted for 35.5% of all deaths compared with 25% for circulatory diseases. A comparison of the major components of these disease groups and others affecting those aged less than 65, show that ischaemic heart disease (18.2% of male deaths; 16.5% of female deaths), breast cancer (11.7% of female deaths), and lung cancer (7.2% of male deaths) are the most common causes of premature death. These are followed by suicide (6.8%) and motor vehicle traffic accidents (5.9%) in males and females combined.

Ischaemic heart disease mortality is currently declining at around 3% per annum whereas cancer mortality appears to be more stable. This situation is likely to increase the numbers of cancer cases and deaths. This is partly the result of cancer affecting a proportion of those who in the past would have died from ischaemic heart disease.

Cancer prevention and treatment

Cancer incidence continues to rise in Australia. This trend is of particular concern with regard to prostate cancer, where there have been significant increases in all States and Territories. This upward trend in incidence is probably a result of the increased community awareness of prostate cancer and its earlier detection and diagnosis.

Breast cancer incidence continues to increase, although mortality rates have remained relatively stable. The breast cancer mortality rate is expected to be reduced by the implementation of the National Breast Cancer Screening Program. This reduction is believed to be achievable through regular mammographic screening among women aged 50–69 years. Research and information concerning breast cancer is expected to improve in Australia with the creation of the National Breast Cancer Centre, an initiative which may have an impact on incidence and mortality in the future.

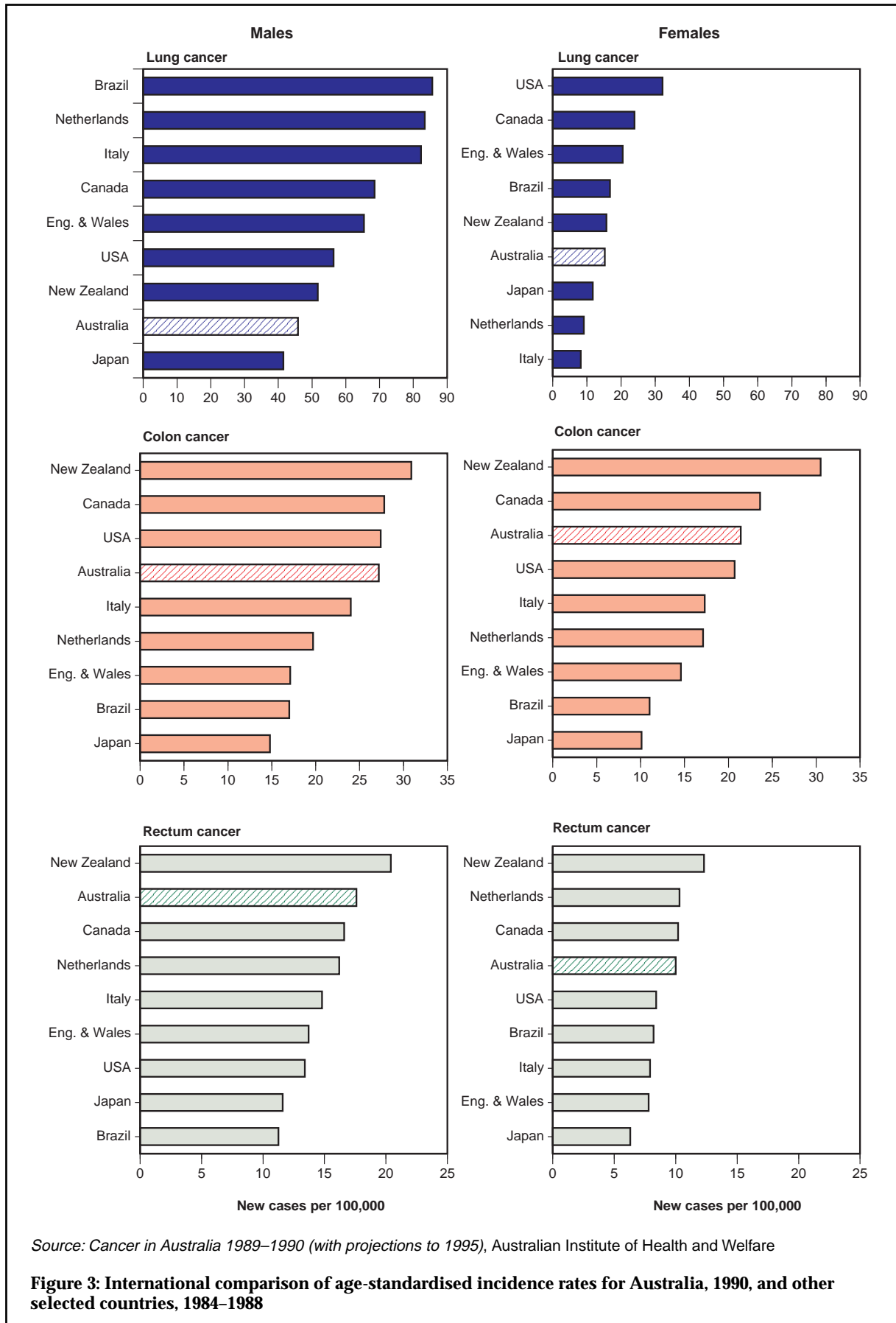
Cervical cancer incidence rates, while currently stable, are targeted for reduction by the joint program of the Commonwealth Government and State and Territory Governments called the Organised Approach for the Prevention of Cervix Cancer. This program, aimed at improving and expanding the use of the Pap smear test and the management of the detected premalignant or in situ lesions, is expected to reduce incidence of invasive cervical cancer by approximately 10% by the year 2000 with a concomitant reduction in cervical cancer mortality rates.

Lung cancer incidence and mortality rates in women have shown some long-term increases at a time when there are decreases in male lung cancer rates. Health promotion campaigns have been adjusted to take account of these trends and have targeted women in younger age groups in an effort to dissuade them from adopting or continuing smoking. Anti-smoking campaigns in the general community, including workplace smoking bans, remain in place and some have been extended.

Despite the increasing incidence rates for many cancers 'there is...evidence that survival of cancer patients is improving' (Bonett et al. 1992). These improvements have not occurred across all cancer types and are difficult to pinpoint from population-based data. It is likely that a combination of factors such as improved diagnostic methods, a greater use of combined treatment modalities (surgery, chemotherapy and radiotherapy), and detection at an early stage may have contributed.

For those people with cancers for which effective therapies are not currently available, there have been improvements in palliative care, in particular the management of pain, the provision of facilities and specialists in this field, and support services for patients' families. Cancer will be the focus of considerable health resources, research and planning while it continues to have such a large impact on the community. If this situation is to be changed, good information on the occurrence of different types of cancer, on characteristics of patients, and on survival and mortality is essential. Such information facilitates the monitoring of trends and the impact of interventions, and provides a sound basis for epidemiological studies and the initiation of prevention, treatment and palliative care programs.

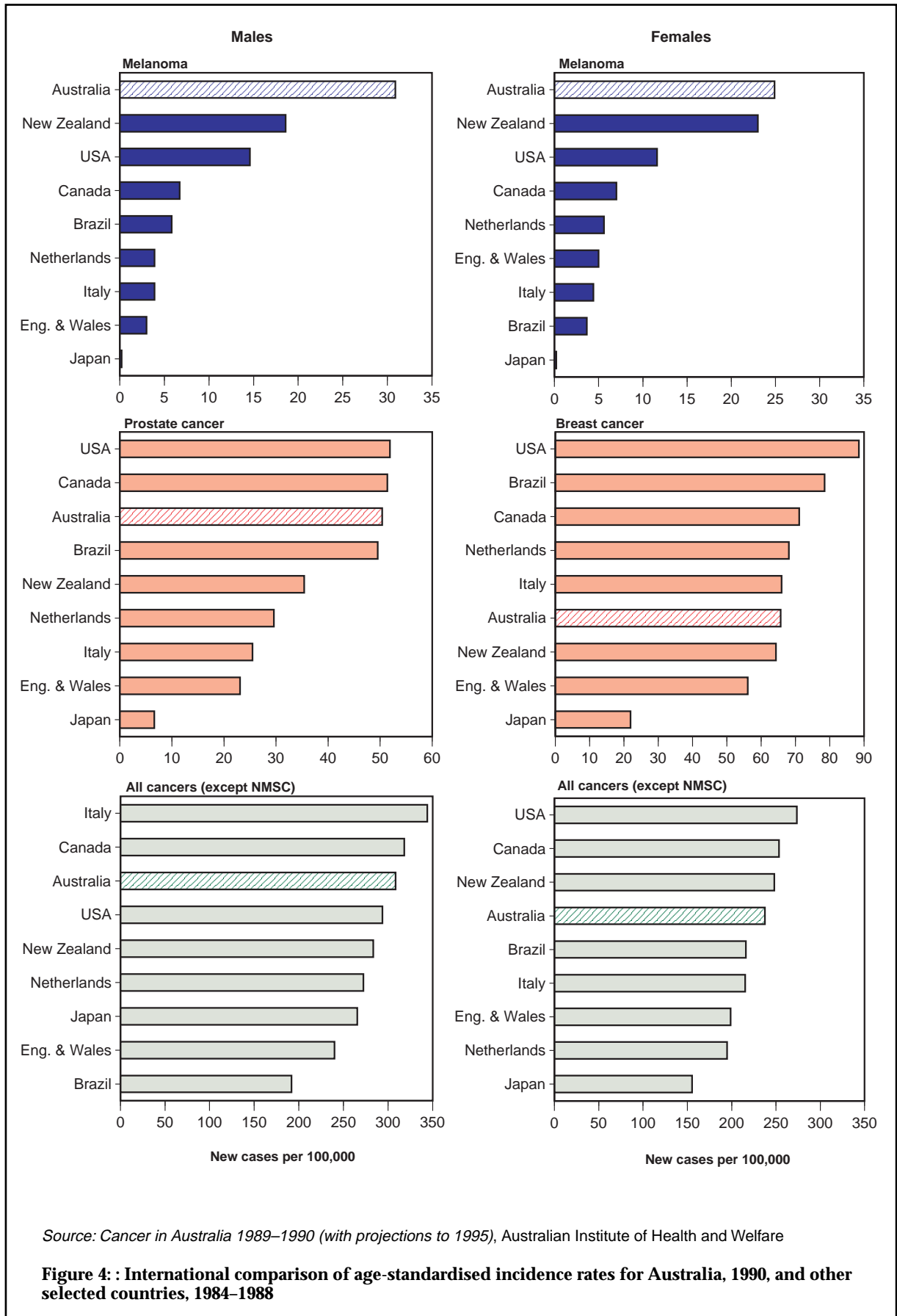
International comparison



Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Figure 3: International comparison of age-standardised incidence rates for Australia, 1990, and other selected countries, 1984-1988

International comparison



Cancer rates in the States and Territories 1986–1990

Cancer incidence varies between the States and Territories. Queensland reports the highest incidence rates for all cancers (excluding NMSC) among males (319.3 per 100,000) and females (245.9 per 100,000). The Northern Territory reports the lowest rates for males (255.1 per 100,000) and females (194.8 per 100,000). The other States and Territories have similar rates at approximately 290 per 100,000 for males and approximately 230 per 100,000 for females (Figure 5).

The cancer mortality rates reported for males across all States and Territories are similar (approximately 190 deaths per 100,000) whereas for females slightly more variation is observed (94.5–113.3 per 100,000), although no single State or Territory is outside the expected variation.

There is more variation among the States and Territories when selected cancer types are examined. Melanoma incidence rates in Queensland males are more than 2 times those in males in Victoria, Tasmania and the Northern Territory, and melanoma rates in Queensland females show nearly the same degree of excess. Despite the wide differences in melanoma incidence (Figure 3), there is relatively little variation in mortality rates between States and Territories.

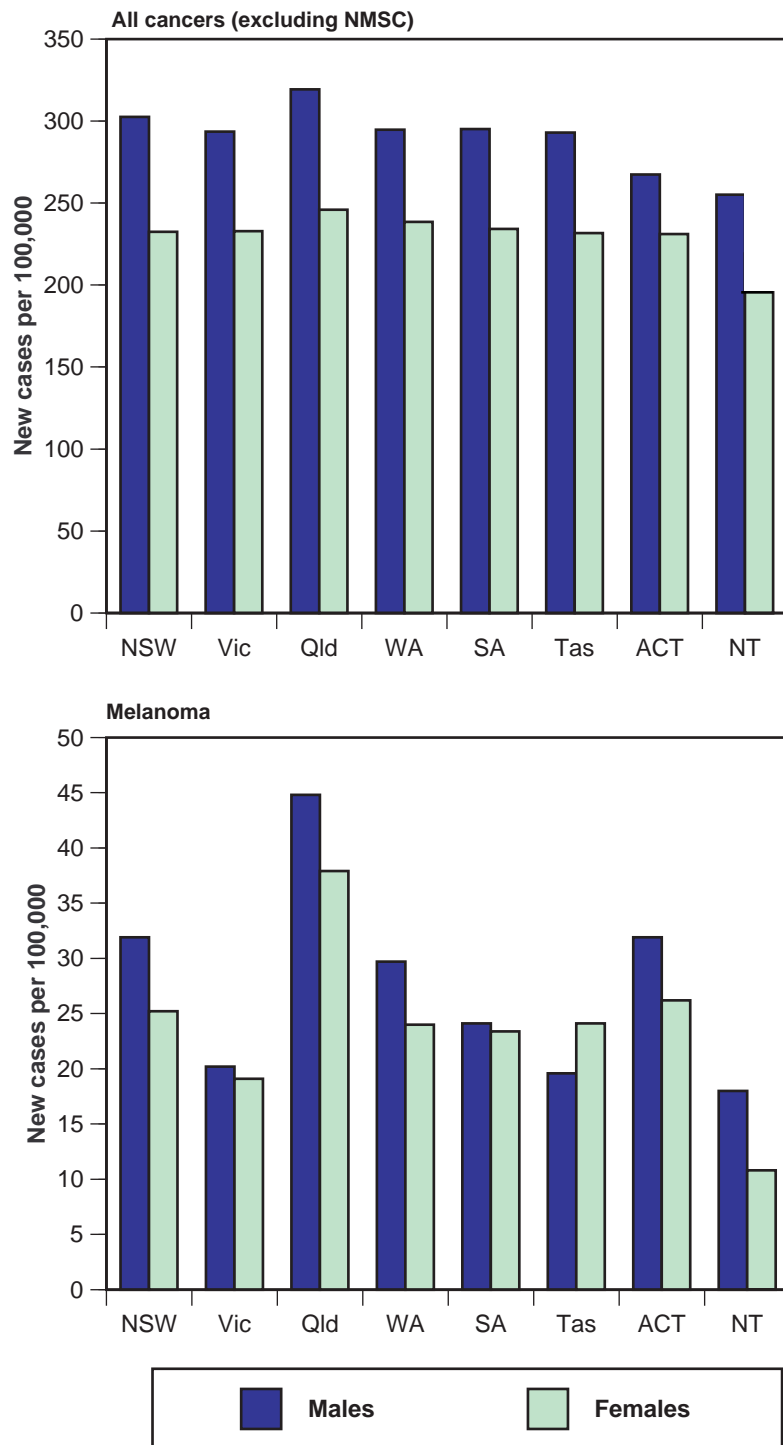
There is little variation between the States and Territories for alcohol-related cancer incidence and mortality, but there were some variations in smoking-related cancers. Queensland (73.3 per 100,000) and Tasmania (72.6 per 100,000) report the highest incidence rates for males, and Tasmania (20.2 per 100,000) the highest for females. This finding was highlighted in a recent publication (Dwyer et al. 1994) where it was reported that lung cancer rates in females exceed those in males in the 25–44 year age group in Tasmania. The Australian Capital Territory reports the lowest smoking-related cancer incidence rates for both males (59.0 per 100,000) and females (15.8 per 100,000). Death rates from smoking-related cancers are highest for the Northern Territory and Tasmania in both males and females.

These patterns are a reflection of the smoking behaviour approximately 10–20 years ago, due to the lag between carcinogen exposure and the diagnosis of cancer. Differentials in smoking rates between the States and Territories reported in the 1989–1990 National Health Survey (ABS 1992) are likely to affect smoking-related cancer incidence rates in the future. The Northern Territory (57.6%) reports the highest proportion of current and ex-smokers followed by Queensland with 53.2%. The lowest smoking and ex-smoking rates are found in Victoria at 50.5%. Most other States and the Australian Capital Territory have similar proportions of smokers and ex-smokers at approximately 51%.

Western Australia and Victoria have the highest incidence rates of breast cancer (approximately 64 cases per 100,000), while Tasmania and the Northern Territory have the lowest rates (54 cases per 100,000 and 42.1 cases per 100,000 respectively). The highest lung cancer incidence rates are reported for males from Tasmania and the Northern Territory, while low rates are observed in the Australian Capital Territory. Queensland and South Australia report high rates of prostate cancer (approximately 46 cases per 100,000) while low rates are found in the Australian Capital Territory (30 cases per 100,000) and the Northern Territory (25.1 cases per 100,000).

Differences in State and Territory rates may be explained by variations in cancer risk, diagnostic procedures, reporting and coding inconsistencies, and normal incidence rate fluctuations. Care should be taken when interpreting these rates, especially for less common cancers or for States and Territories with small populations. To reduce the problems of statistical variation due to a small number of cases, the numbers and rates presented in the tables are annual averages of the five-year periods 1985–1989 and 1986–1990 and therefore will not correspond to the annual data published by the individual State and Territory cancer registries.

All cancers



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 5: Age-standardised incidence rates for all cancers (excluding NMSC) and melanoma by State and Territory, 1986–1990

Table 2: Estimates of incidence for selected cancer types in Australia 1991–1995

Australia		New cases					Age-standardised incidence rates				
ICD-9	Cancer description	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
Males											
140–208	All cancers (excluding ICD 173)	33,695	34,835	35,954	37,139	38,292	312.7	316.1	319.5	322.9	326.3
150	Oesophagus	522	542	562	583	604	4.8	4.9	5.0	5.1	5.1
151	Stomach	1,096	1,075	1,050	1,025	997	9.8	9.3	8.9	8.4	7.9
153–154	Colo-rectal	4,914	5,067	5,220	5,387	5,552	45.4	45.7	46.0	46.3	46.6
157	Pancreas	686	691	694	699	703	6.2	6.1	6.0	5.9	5.8
161	Larynx	520	519	517	514	511	5.1	4.9	4.8	4.7	4.6
162	Lung	4,881	4,854	4,819	4,781	4,732	44.6	43.2	41.9	40.6	39.3
172	Skin – melanoma	3,170	3,233	3,296	3,371	3,451	30.7	30.6	30.5	30.4	30.2
185	Prostate	6,730	8,236	10,527	12,947	15,448	56.8	68.0	85.0	101.9	118.8
188	Bladder	1,566	1,544	1,517	1,490	1,459	14.1	13.5	13.0	12.4	11.9
189	Kidney	912	943	974	1,007	1,039	8.6	8.7	8.8	8.9	8.9
195–199	Unknown primary	1,524	1,572	1,619	1,669	1,718	14.0	14.1	14.1	14.2	14.3
200+202	Non-Hodgkin's lymphoma	1,347	1,412	1,477	1,547	1,617	12.8	13.0	13.3	13.6	13.9
203	Multiple myeloma	398	414	431	448	467	3.6	3.6	3.6	3.7	3.7
204	Lymphatic leukaemia	464	476	488	501	513	5.0	5.0	5.1	5.1	5.2
Females											
140–208	All cancers (excluding ICD 173)	28,642	29,424	30,190	30,975	31,751	242.2	244.2	246.1	248.1	250.1
150	Oesophagus	307	315	323	330	338	2.1	2.1	2.1	2.1	2.2
151	Stomach	573	552	529	504	476	4.1	3.8	3.6	3.5	3.3
153–154	Colo-rectal	4,092	4,150	4,204	4,260	4,309	31.4	31.2	31.1	30.9	30.7
157	Pancreas	620	625	630	635	640	4.3	4.2	4.2	4.1	4.1
162	Lung	1,910	1,992	2,074	2,159	2,244	15.4	15.7	16.0	16.2	16.5
172	Skin – melanoma	2,746	2,848	2,951	3,063	3,184	24.9	24.9	25.0	25.0	25.0
174	Breast	7,496	7,799	8,100	8,411	8,724	67.5	68.9	70.3	71.7	73.1
180	Cervix	1,081	1,084	1,084	1,084	1,081	10.1	10.0	9.9	9.7	9.6
179+182	Uterus	1,106	1,123	1,139	1,157	1,173	9.7	9.7	9.7	9.7	9.6
183	Ovary	981	995	1,008	1,021	1,033	8.6	8.6	8.5	8.4	8.4
188	Bladder	588	587	586	584	581	4.3	4.2	4.1	4.0	3.9
189	Kidney	623	646	670	695	721	5.3	5.3	5.4	5.5	5.6
195–199	Unknown primary	1,296	1,327	1,358	1,390	1,422	9.3	9.3	9.3	9.4	9.4
200+202	Non-Hodgkin's lymphoma	1,028	1,060	1,091	1,124	1,157	8.4	8.5	8.5	8.6	8.7
203	Multiple myeloma	328	337	345	353	361	2.4	2.4	2.4	2.5	2.5
204	Lymphatic leukaemia	305	313	321	329	338	2.9	3.0	3.0	3.0	3.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate).

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 3: Estimates of mortality for selected cancer types 1994–1995

Australia		Deaths*					Age-standardised death rates*				
ICD-9	Cancer description	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
Males											
140–208	All cancers (excluding ICD 173)	17,289	17,921	17,975	18,266	18,541	155.7	157.4	153.8	152.0	150.2
150	Oesophagus	519	555	550	563	575	4.7	5.0	4.8	4.8	4.8
151	Stomach	788	753	723	696	666	6.9	6.5	6.1	5.7	5.4
153–154	Colo-rectal	2,212	2,298	2,280	2,304	2,327	20.0	20.3	19.6	19.2	18.9
157	Pancreas	647	657	735	746	756	6.4	6.4	6.4	6.3	6.3
161	Larynx	218	240	253	269	284	2.1	2.2	2.3	2.4	2.5
162	Lung	4,518	4,638	4,535	4,516	4,486	40.8	40.9	39.0	37.8	36.7
172	Skin – melanoma	512	523	538	551	564	4.8	4.7	4.7	4.7	4.6
185	Prostate	2,142	2,336	2,411	2,540	2,670	17.8	18.9	18.9	19.2	19.5
188	Bladder	483	498	482	478	473	4.2	4.1	3.9	3.7	3.5
189	Kidney	411	409	428	437	446	3.7	3.6	3.7	3.7	3.6
195–199	Unknown primary	1,094	1,094	1,140	1,182	1,225	9.9	9.4	9.6	9.7	9.8
200+202	Non-Hodgkin's lymphoma	663	681	705	730	755	6.1	6.1	6.2	6.2	6.3
203	Multiple myeloma	270	278	299	311	323	2.3	2.4	2.5	2.5	2.5
204	Lymphatic leukaemia	197	215	198	195	191	1.9	2.0	1.9	1.8	1.8
Females											
140–208	All cancers (excluding ICD 173)	13,636	13,589	13,990	14,297	14,611	101.4	98.5	98.7	98.1	97.5
150	Oesophagus	277	257	248	246	244	1.8	1.6	1.5	1.5	1.4
151	Stomach	489	478	465	454	442	3.2	3.1	3.0	2.9	2.8
153–154	Colo-rectal	1,983	1,973	1,993	2,008	2,023	13.7	13.4	13.2	12.9	12.6
157	Pancreas	665	718	741	772	804	4.4	4.7	4.8	4.8	4.9
162	Lung	1,728	1,720	1,798	1,858	1,920	13.5	12.8	13.1	13.2	13.2
172	Skin – melanoma	292	344	325	330	334	2.4	2.7	2.6	2.6	2.6
174	Breast	2,525	2,428	2,507	2,537	2,565	20.9	19.4	19.7	19.4	19.1
180	Cervix	331	322	315	305	294	2.7	2.6	2.5	2.3	2.2
179+182	Uterus	251	237	259	270	281	1.7	1.6	1.7	1.7	1.7
183	Ovary	722	674	743	768	792	5.8	5.3	5.7	5.7	5.7
188	Bladder	229	225	240	248	257	1.3	1.4	1.4	1.4	1.4
189	Kidney	342	303	325	336	348	2.5	2.0	2.1	2.0	2.0
195–199	Unknown primary	975	1,021	1,083	1,142	1,204	6.5	6.6	6.8	6.9	7.1
200+202	Non-Hodgkin's lymphoma	569	586	625	659	695	4.0	4.0	4.1	4.2	4.3
203	Multiple myeloma	235	264	259	266	274	1.5	1.7	1.6	1.6	1.6
204	Lymphatic leukaemia	145	171	163	168	174	1.1	1.4	1.3	1.3	1.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate).

* 1991–1992 are current data, 1993–1995 are estimated data

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Alcohol- and smoking-related cancers

Alcohol-related cancers account for 0.9% and smoking-related cancers 14.8% of all new cancers. These data and those in Tables 68–69 and 134–135 are derived from a series of age- and sex-specific aetiological fractions developed by English et al. (1995) and the cancer incidence estimates for specific cancer types for 1989 and 1990. These fractions are based on an analysis of international and Australian studies and estimate the probability that a specific agent (alcohol or tobacco) causes a specific disease (cancer). The cancers thought to be directly attributable to smoking and alcohol are listed in Table 4.

It is estimated that 550 new cases of cancer were directly attributable to hazardous and harmful alcohol consumption in 1990 at a rate of 2.8 per 100,000, as were 281 deaths at a rate of 1.4 per 100,000. Males are more than 2 times as likely to be affected by alcohol-related cancers than females. While other cancers may be indirectly caused by alcohol consumption in combination with other risk factors, alcohol is believed to be the primary causative agent for differing proportions of specific cancers. The mechanism by which alcohol causes cancer has not been fully determined, but the major metabolite of ethanol has been shown to be carcinogenic in animal experiments (English et al. 1995). The lifetime risk of an alcohol-related cancer is 1 in 235 for males and 1 in 360 for females. There was almost no change in incidence rates for alcohol-related cancers between 1989 and 1990.

Smoking-related cancers account for 20.9% of all cancers in males and 7.6% of all cancers in females. This large difference is attributable to the higher rates of smoking among men in the past 30 years compared with a more recent increase in smoking rates in women. The latest estimates show 27.3% of men and 22.7% of women aged over 18 years smoke (AIHW 1995). Organs associated with the respiratory system are the ones most affected by cigarette smoke, probably as a result of the known carcinogens in cigarette smoke such as aromatic amines (Table 4). In 1990 it was estimated that 8,854 new cases of cancer at a rate of 39.7 new cases per 100,000 and 6,337 deaths at a rate of 27.3 per 100,000 were caused by cigarette smoking. Compared with 1989, male incidence rates in 1990 fell slightly while rates for females rose, both probably a reflection of the changing lung and oesophagus cancer incidence rates.

	Males (%)	Females (%)
Alcohol-related cancers		
Oropharynx	21	8
Oesophagus	14	6
Liver	18	12
Larynx	21	13
Female breast cancer	–	3
Smoking-related cancers		
Oropharynx	57	51
Oesophagus	54	46
Stomach	14	11
Anus	48	41
Pancreas	24	19
Larynx	73	66
Lung	84	77
Uterus	–	–10
Cervix	–	19
Vulva	–	40
Penis	30	–
Bladder	43	36
Renal parenchyma	28	21
Renal pelvis	55	48

Source: English et al. (1995)

Trends in cancer incidence and mortality

National cancer incidence and mortality rates for the most common cancer types are presented in Figures 6–24 for the period 1983–1995. The incidence data between 1991 and 1995 are projections or estimates based on knowledge of past incidence patterns and estimated populations for the most recent years based on census extrapolations (see Appendix C). Mortality estimates for 1993–1995 were derived using the same methodology.

The trends in incidence and mortality data vary by cancer type. Some have shown an increase since 1983 while others have remained stable or decreased. When all cancer types are combined (excluding NMSC) incidence increased by 11% for males and females between 1983 and 1995—an annual increase of 0.6% for males and 0.7% for females. Increasing incidence, in combination with a 1.3% per annum population growth, resulted in an increased number of cancer cases from 48,641 in 1983 to 70,043 in 1995—an increase of 43.9% (an annual increase of 2.2%). The largest increase in the number of cancers has been in the age group 65 years and above and is a result of a longer life expectancy and therefore a greater proportion of the population in higher risk age groups.

In the most recent period (1989–1995) (Table 5) prostate cancer and non-Hodgkin's lymphoma showed the largest relative increases in incidence for men, and oesophagus and kidney cancers showed the largest relative increases in women. The increase in prostate cancer incidence is quite large at a national level and there is evidence from some States that it may be even greater than projected when actual figures are available. Improvements in detection of this cancer, an increased use of prostate-specific antigen tests and ultrasonography, and a greater life expectancy for men have led to a large number of new cases being diagnosed which may not have been detected previously.

The largest decreases in incidence rates in males are for bladder and lung cancers, while for both males and females, stomach cancer has shown a decreasing incidence rate. The declines in male lung cancer rates may reflect the declining smoking rates over the past 20 years. Melanoma has shown an increasing incidence rate for males and females through the 1980s, although the most recent incidence rates from some States and Territories indicate that this rate has begun to stabilise.

Mortality rates have remained more stable than incidence, although there have been increases for cancers of the prostate and larynx in males, and non-Hodgkin's lymphoma and larynx cancer in females. There are more decreases than increases in mortality rates and these were evident in bladder cancer, lymphatic leukaemia and lung cancer in males; oesophagus, uterus and colo-rectal cancers in females; and stomach cancer in both sexes.

Each of the comparisons discussed above is based on totals of all age groups for selected cancers. Forty-five per cent of cancers are diagnosed prior to age 65, representing a significant burden to individuals during their childhood and working lives, and also to the community. The middle graph of Figures 6–24 presents the age-specific trends (1983–1990) for those above and below age 65. In all cancers the incidence rates for those older than 65 are higher than for those aged less than 65, but of interest is the range of differentials between the incidence rates for each age group. Ratios of the 1990 incidence rates show that females older than 65 have incidence rates for cervical cancer 2.5 times that of the younger age group, while for prostate cancer the ratio is 52.3. This disparity indicates that the highest incidence of prostate cancer occurs in older men, whereas the incidence of cervical cancer is more evenly spread across the age range.

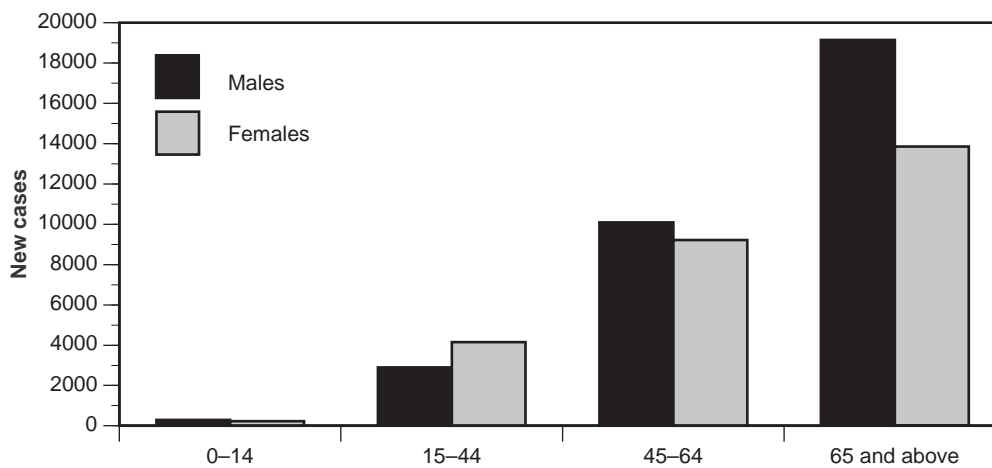
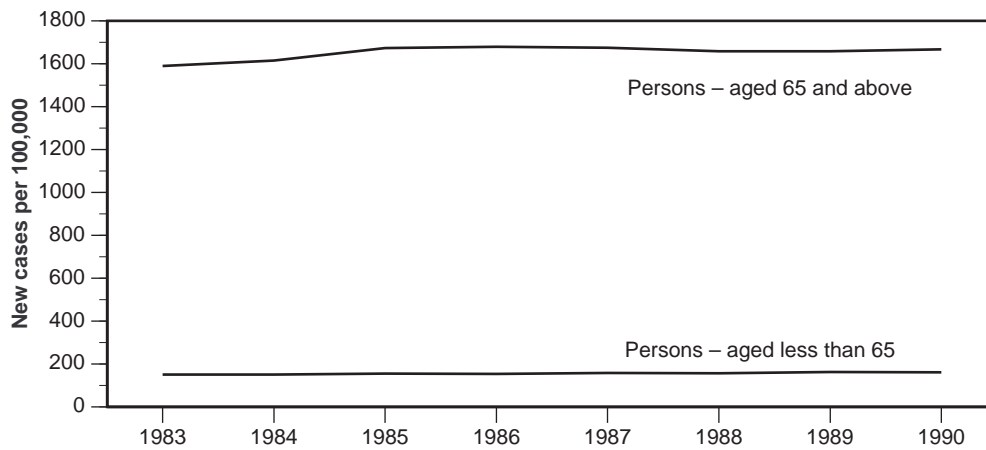
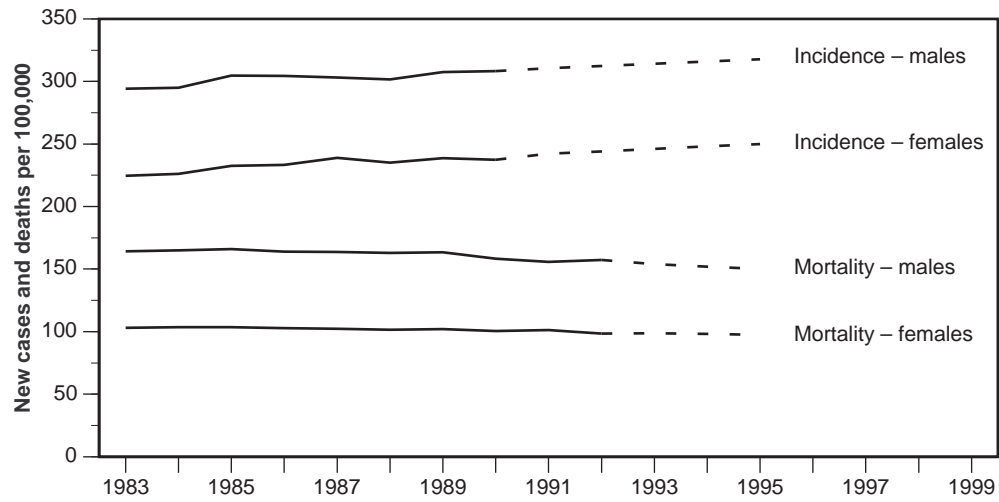
Age-specific patterns for a selection of cancers are presented in Figures 25–28. Generally, the direction of the trends for those aged above or below 65 years is similar, although for cancers

of the oesophagus, stomach, cervix, unknown primary site and melanoma, some variation in the trends does occur. The most notable variation in age-specific trends occurs in stomach cancer where there has been a substantial decrease in incidence rates in the 65 years and older age group, whereas rates in the younger group, which has a very low rate, have remained relatively stable. While increases have occurred in both age groups for melanoma, the steepest increase in incidence has been in the 65 years and over age group. Cancer of the cervix shows an opposite pattern—the decreases have occurred in those aged older than 65 while there are slight increases in younger females.

Cancer type	Incidence		Mortality	
	Per cent change per annum 1989–1995		Per cent change per annum 1989–1995	
	Males	Females	Males	Females
Oesophagus	1.5	3.0	-0.2	-4.2
Stomach	-4.2	-5.6	-5.4	-4.0
Colo-rectal	0.4	-0.6	-1.9	-2.0
Pancreas	-2.4	-1.3	-1.8	0.7
Larynx	-2.7	-1.4	2.5	2.0
Lung	-3.1	1.5	-3.3	0.2
Melanoma	-0.5	0.0	-1.2	1.2
Breast	–	1.8	–	-1.7
Cervix	–	-1.2	–	-6.8
Uterus	–	0.1	–	-2.2
Ovary	–	-1.4	–	0.5
Prostate	17.5	–	1.6	–
Bladder	-4.0	-1.6	-4.5	-0.1
Kidney	0.8	2.0	-0.5	-0.4
Unknown primary	0.6	-0.2	0.7	2.0
NHL	2.6	0.6	0.8	2.4
Multiple myeloma	0.1	2.0	-1.3	0.6
Lymphatic leukaemia	0.9	1.0	-4.0	1.9
All cancers (excluding NMSC)	1.0	0.8	-1.4	-0.8

It should be noted that while the percentage change in the age-standardised rate may be relatively large, the impact on an increased (or decreased) number of new cases or deaths will depend on how common the cancer is in the community. For example, a 1.8% increase in breast cancer resulted in an increase of 1,713 new cases whereas a similar percentage increase in lung (1.5%) resulted in only 464 additional cases. The increase or decrease in these cancers may not necessarily be shared across both sexes, or age groups, within each sex. For example, the 1.8% increase in breast cancer in females is believed to be driven mainly by increases in rates for females undergoing screening in the ages over 50 years.

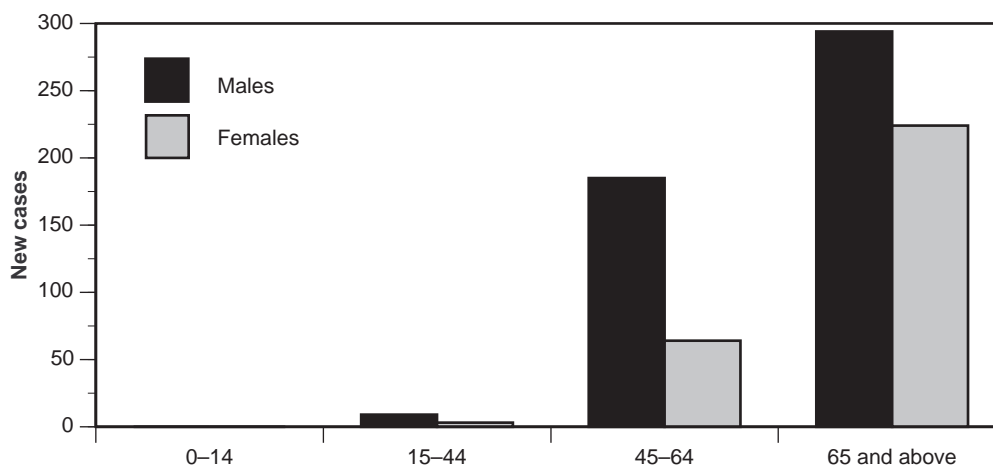
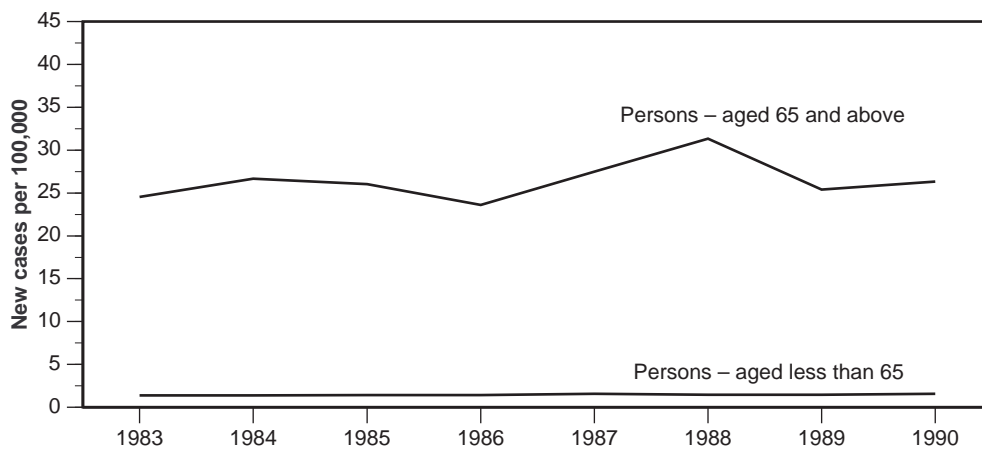
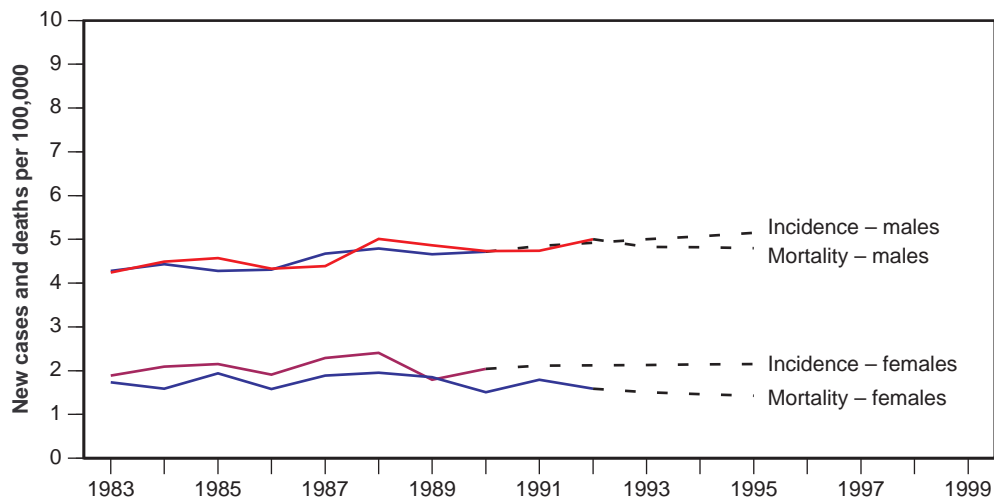
All cancers



Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 6: Age-standardised and age-specific trends in all cancers (excluding NMSC), incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

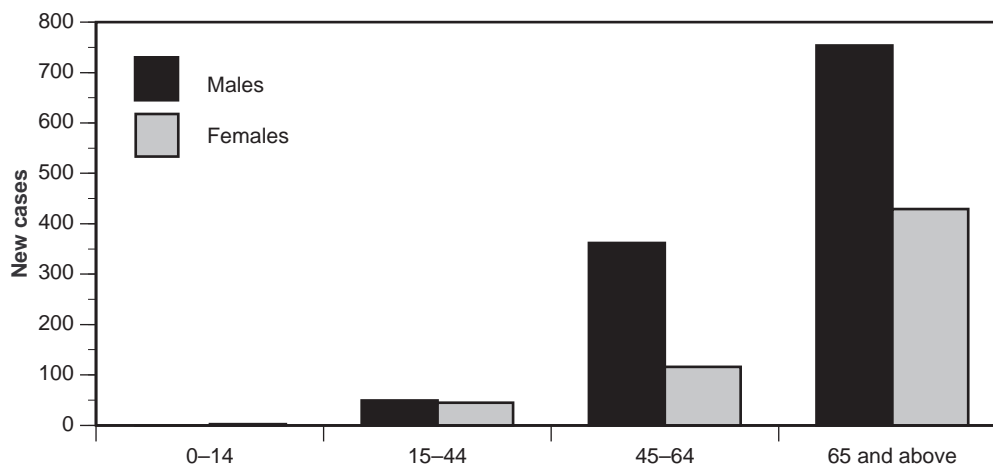
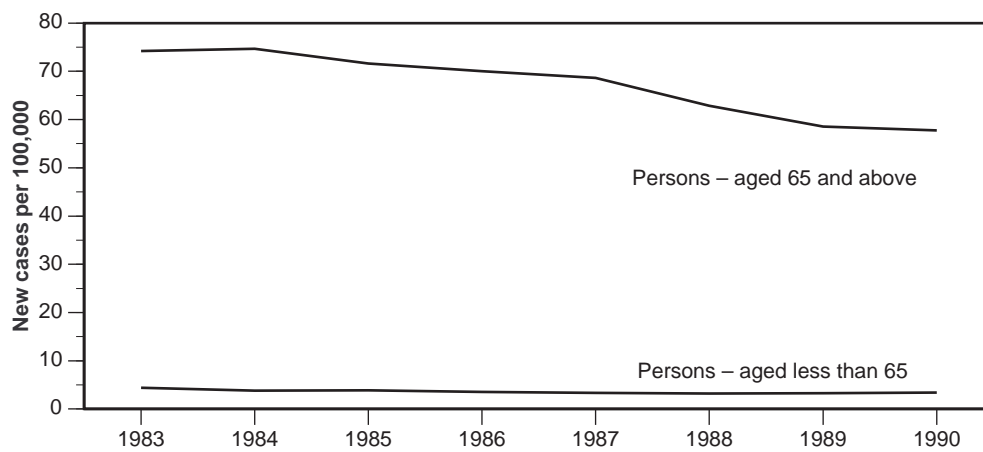
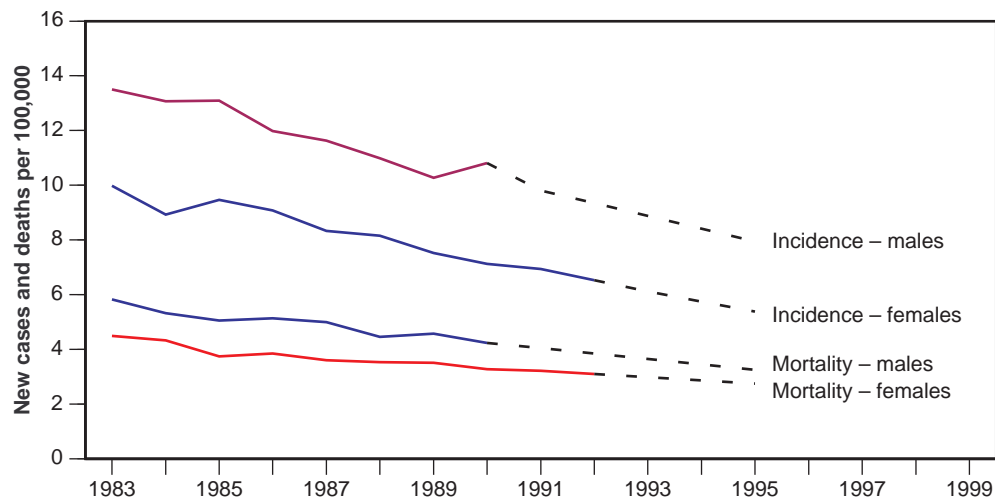
Cancer of the oesophagus



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 7: Age-standardised and age-specific trends in cancer of the oesophagus, incidence and mortality rates (1983–1995); and numbers of new cases by age and sex (1990), Australia

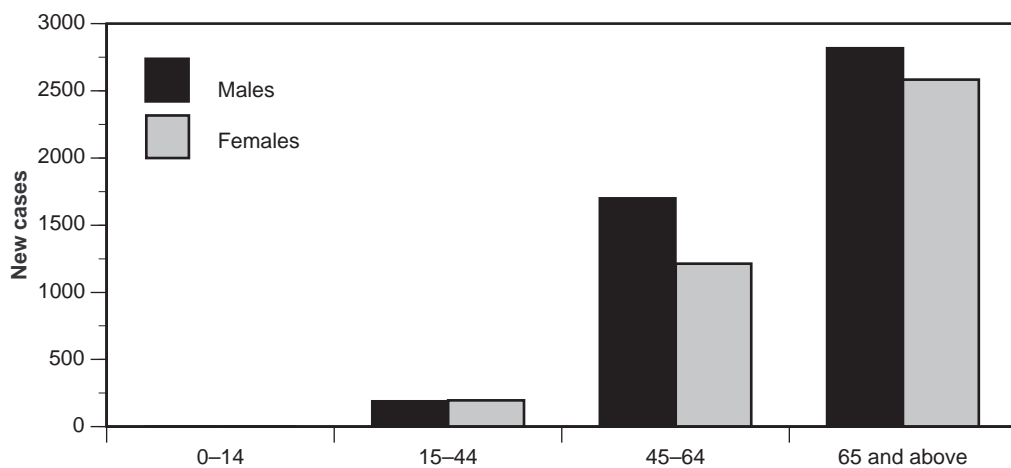
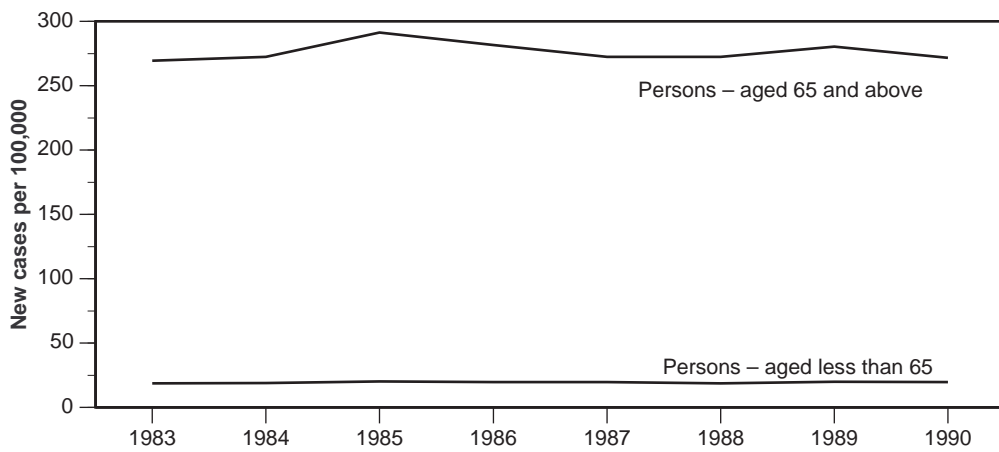
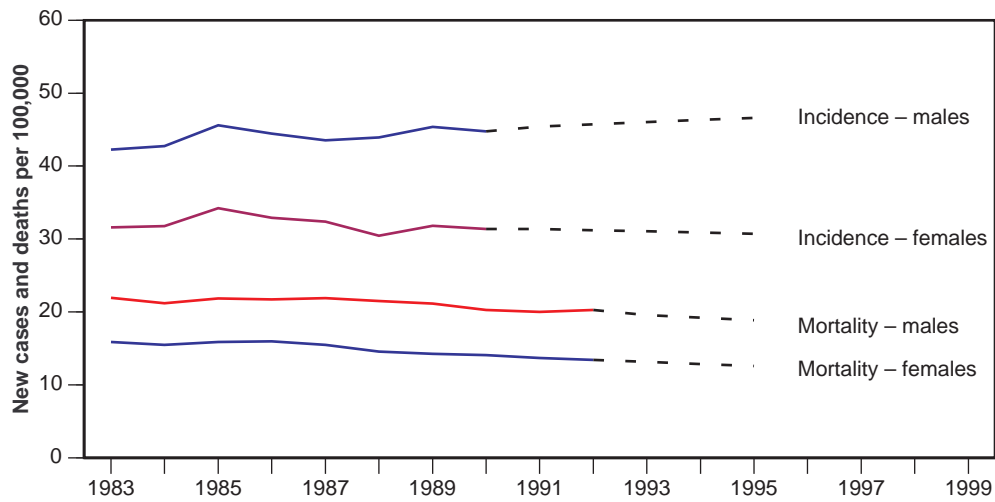
Cancer of the stomach



Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 8: Age-standardised and age-specific trends in cancer of the stomach, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

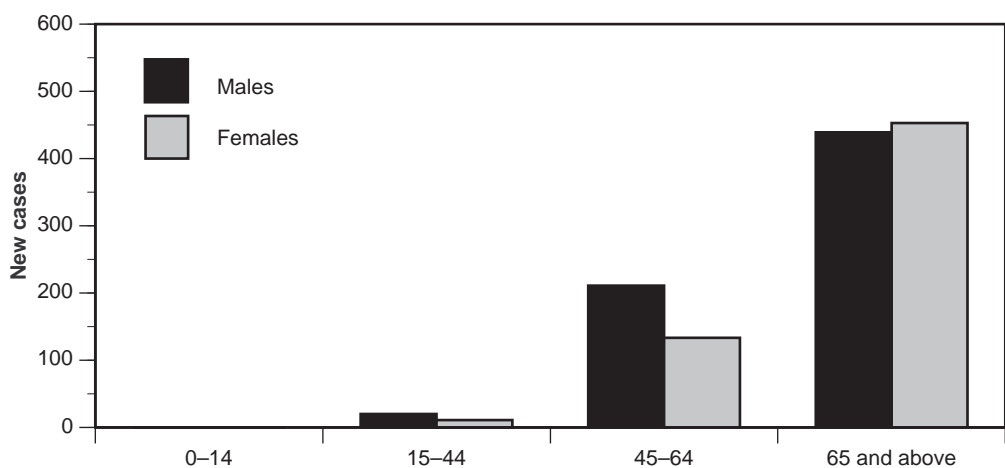
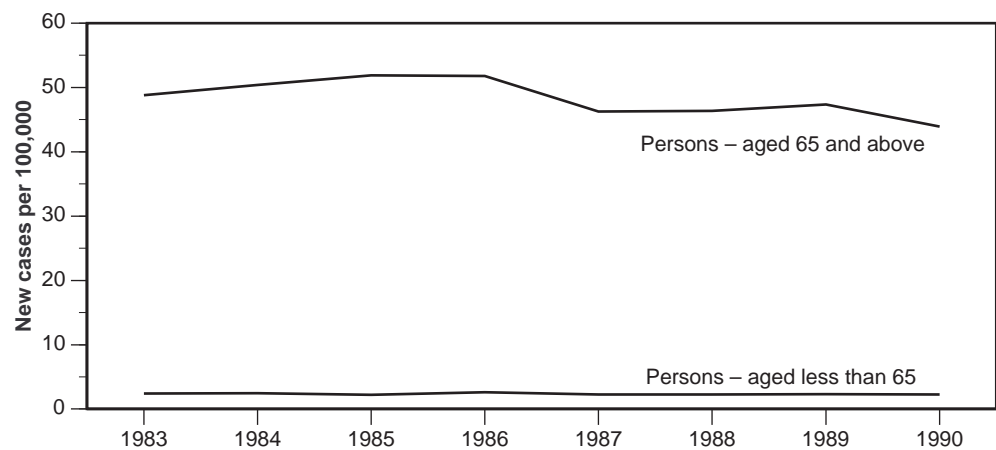
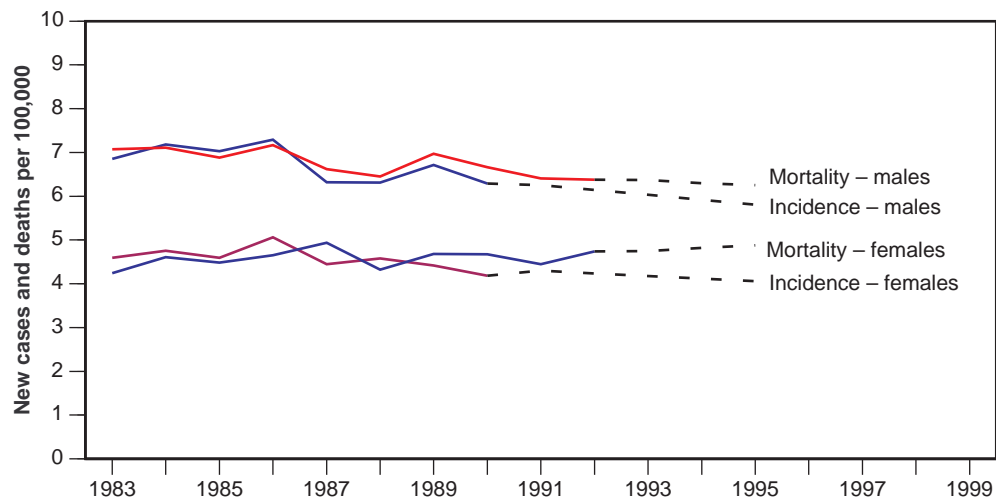
Cancer of the colon and rectum



Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 9: Age-standardised and age-specific trends in cancer of the colon and rectum, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

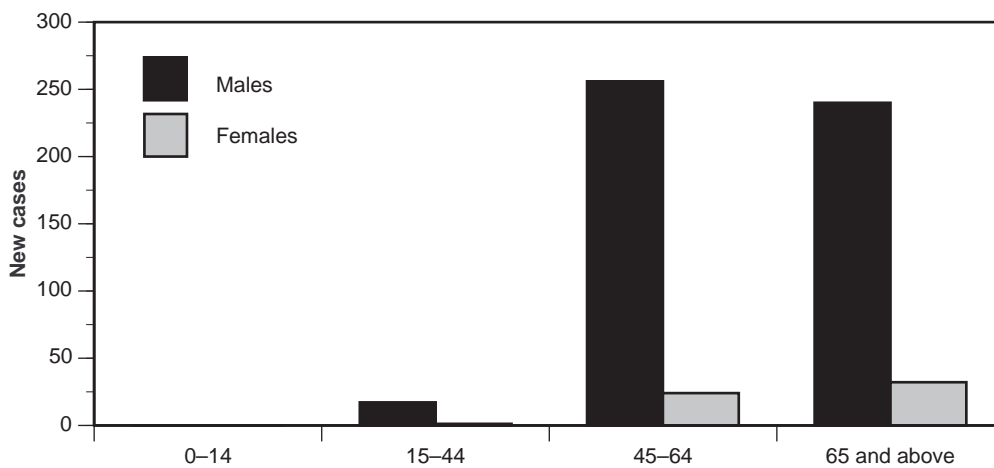
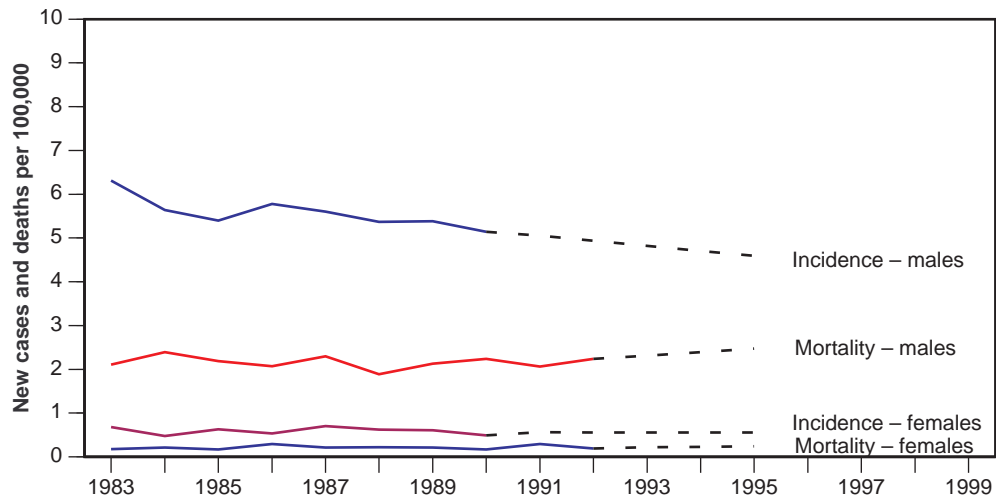
Cancer of the pancreas



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 10: Age-standardised and age-specific trends in cancer of the pancreas, incidence and mortality rates (1983–1995); and numbers of new cases by age and sex (1990), Australia

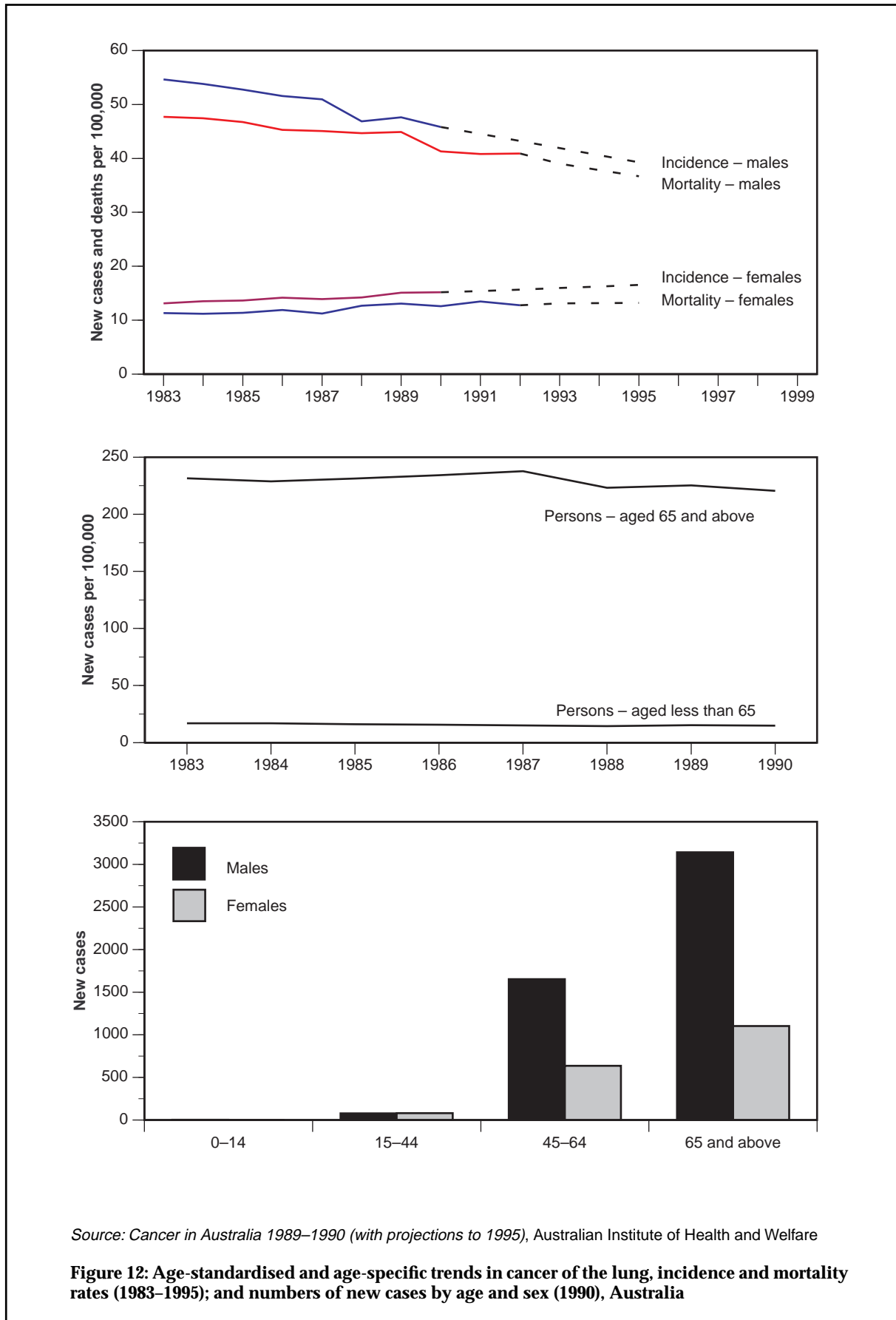
Cancer of the larynx



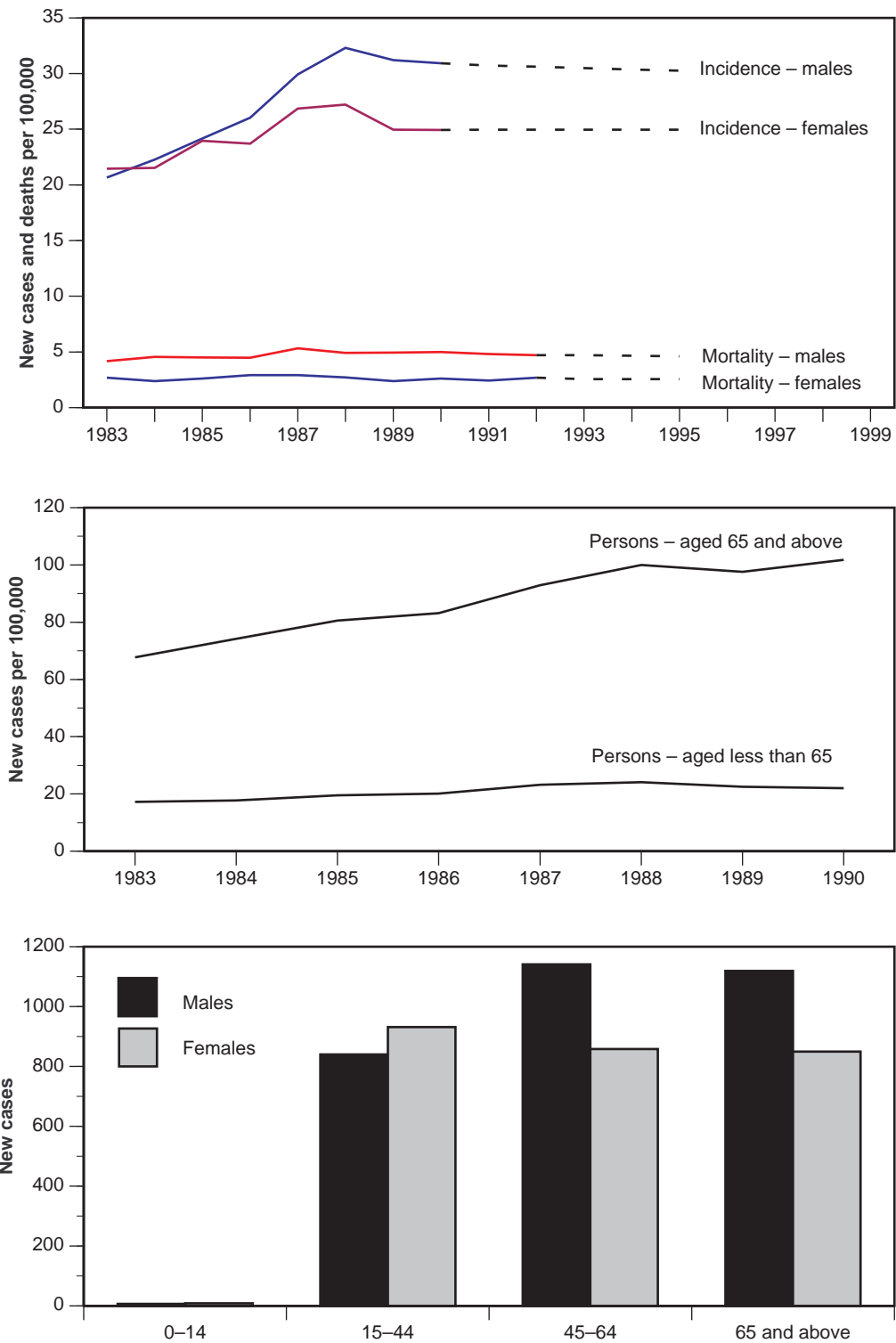
Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 11: Age-standardised and age-specific trends in cancer of the larynx, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

Cancer of the lung



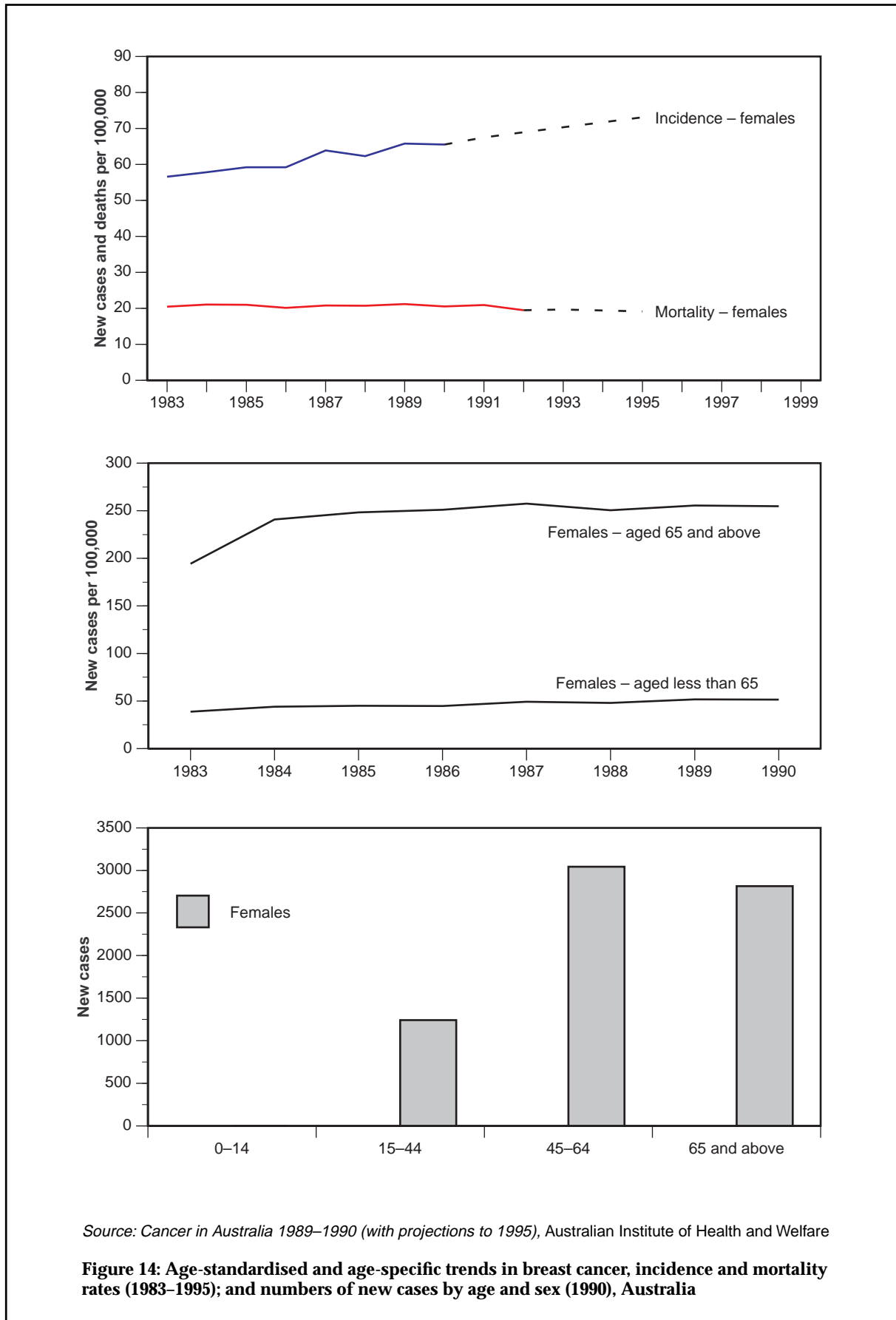
Cancer of the skin—melanoma



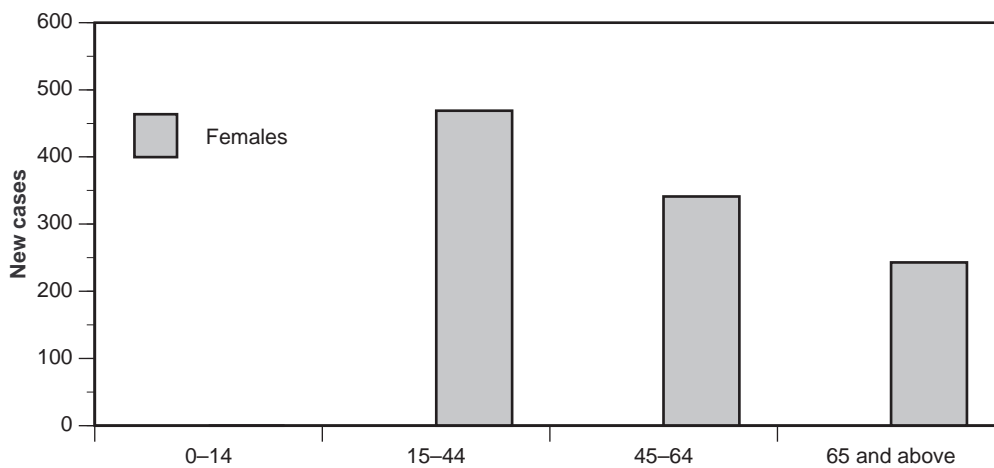
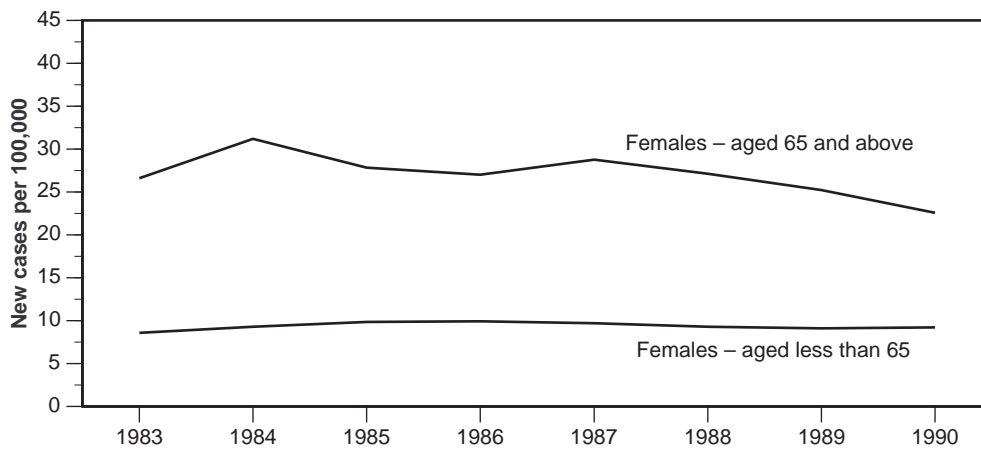
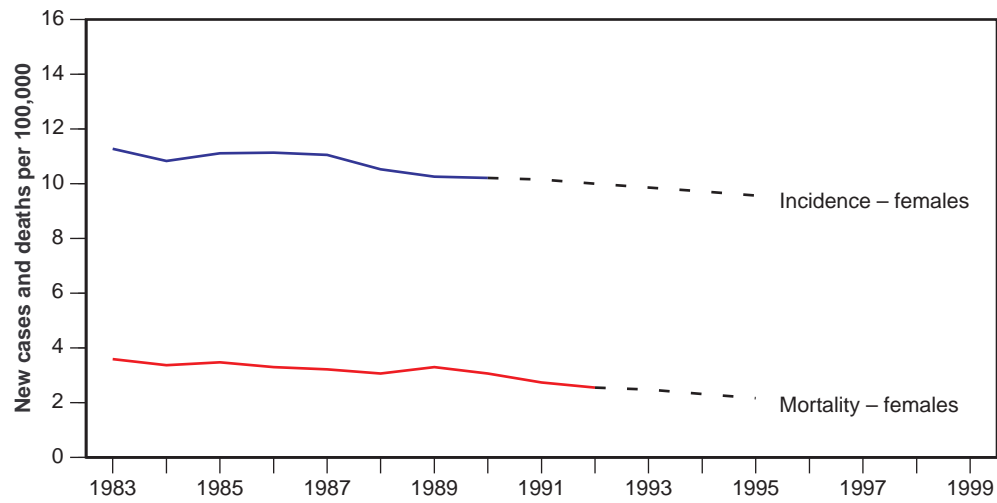
Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 13: Age-standardised and age-specific trends in melanoma, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

Cancer of the breast



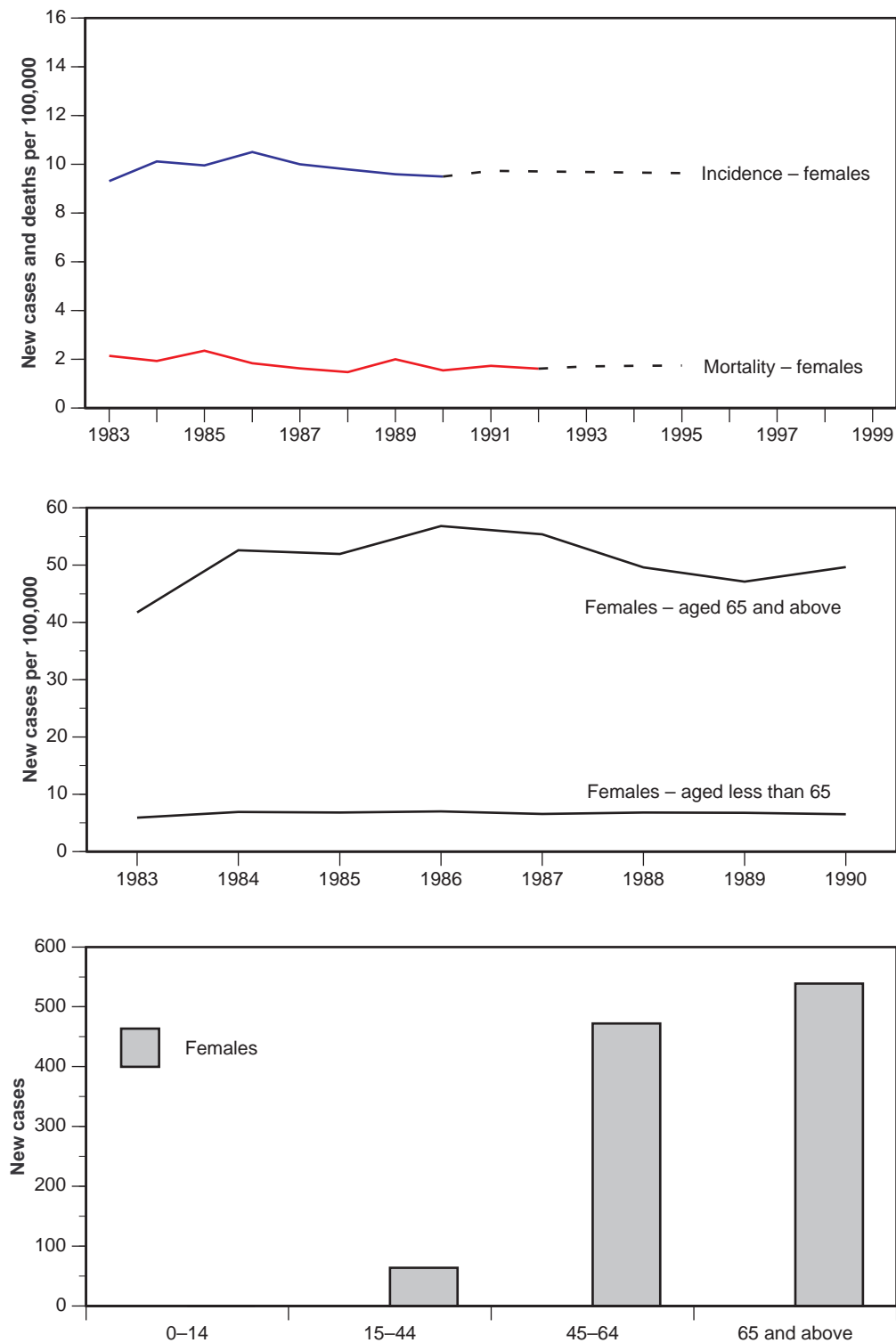
Cancer of the cervix



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 15: Age-standardised and age-specific trends in cancer of the cervix, incidence and mortality rates (1983–1995); and numbers of new cases by age and sex (1990), Australia

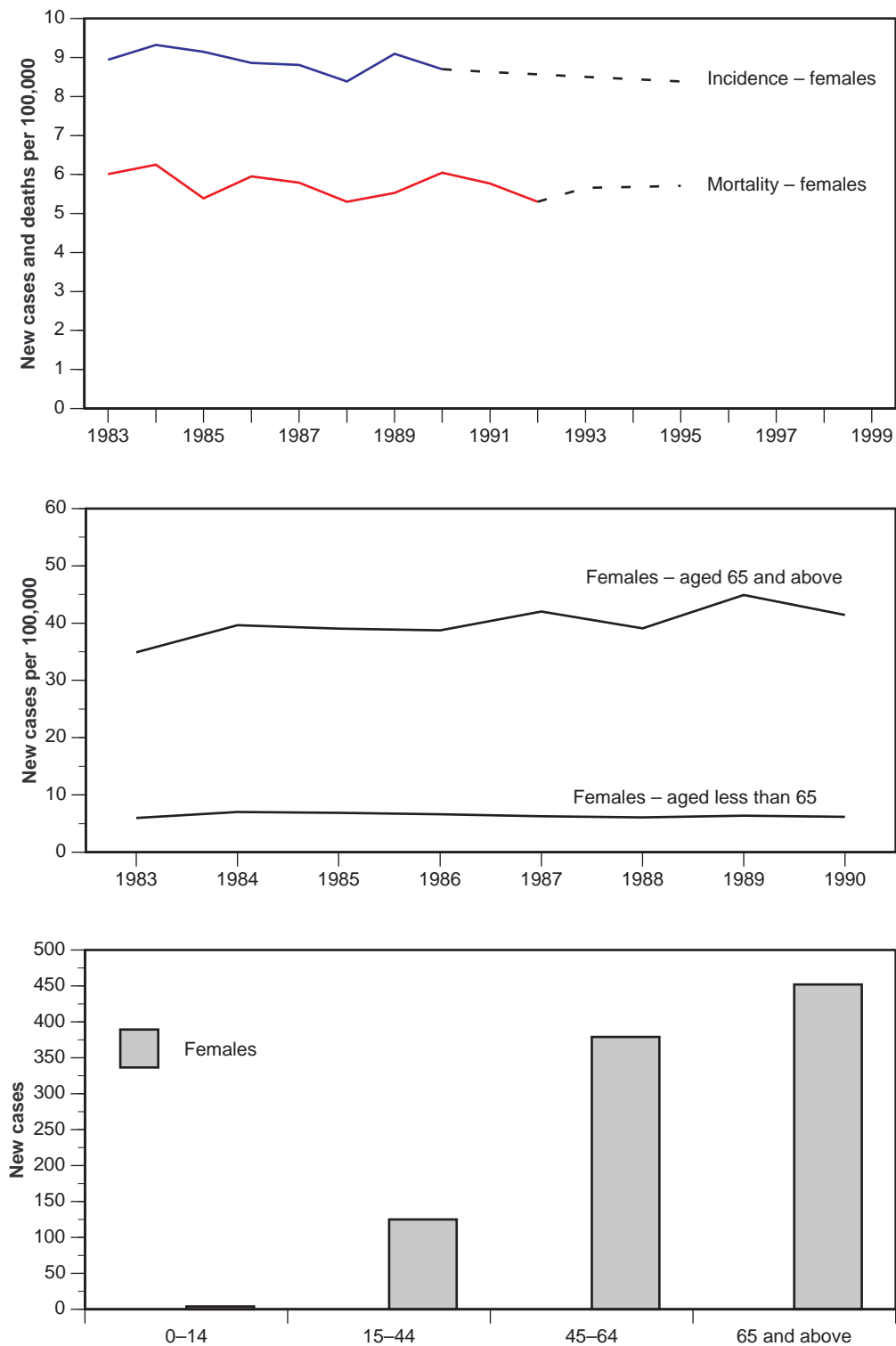
Cancer of the uterus



Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 16: Age-standardised and age-specific trends in cancer of the uterus, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

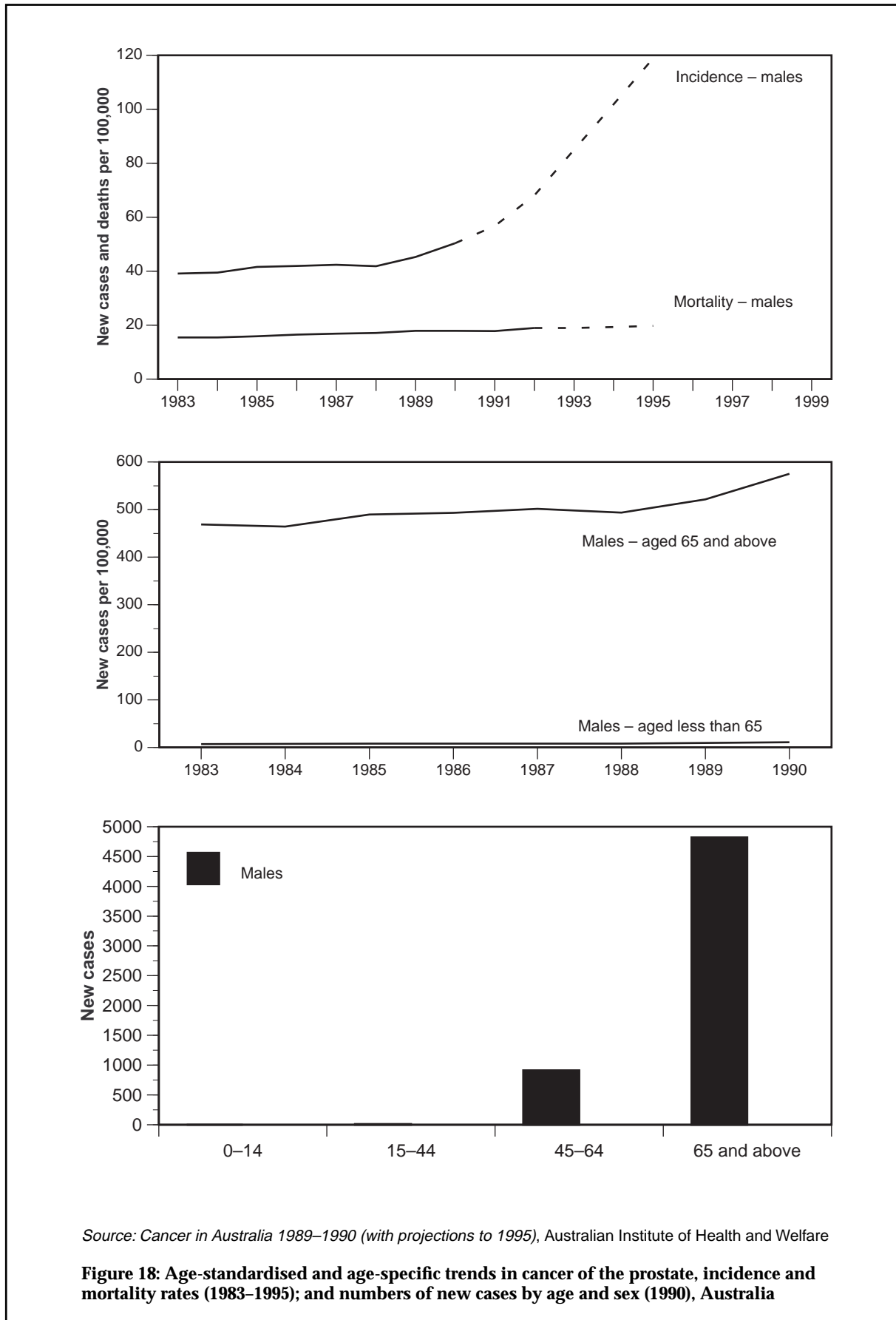
Cancer of the ovary



Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 17: Age-standardised and age-specific trends in cancer of the ovary, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

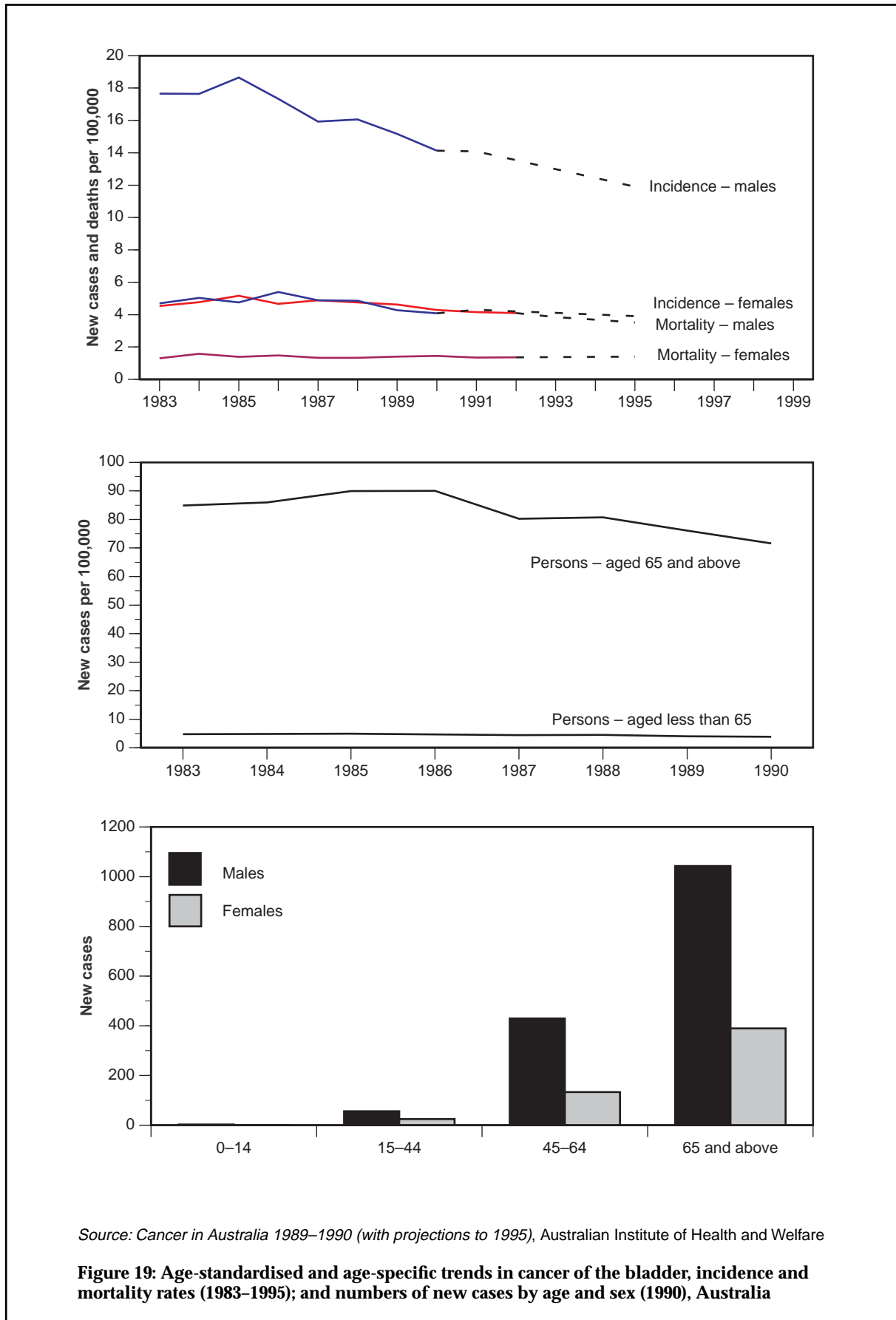
Cancer of the prostate



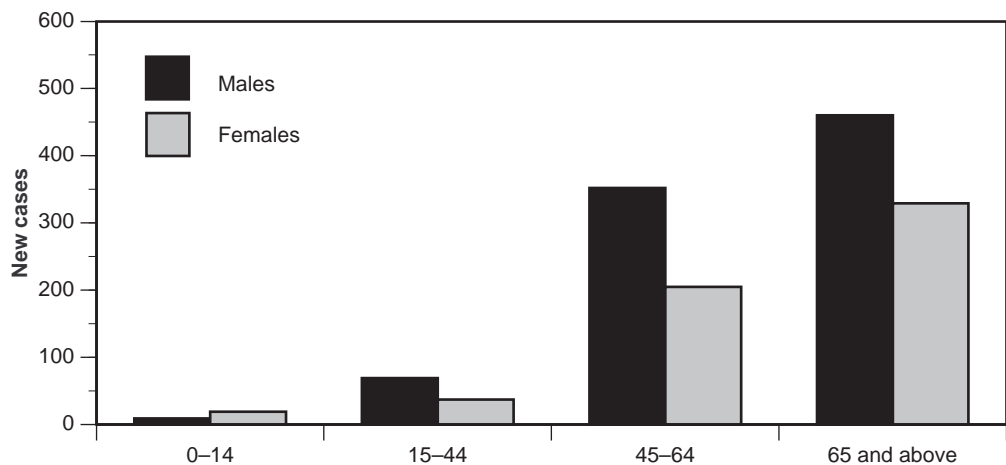
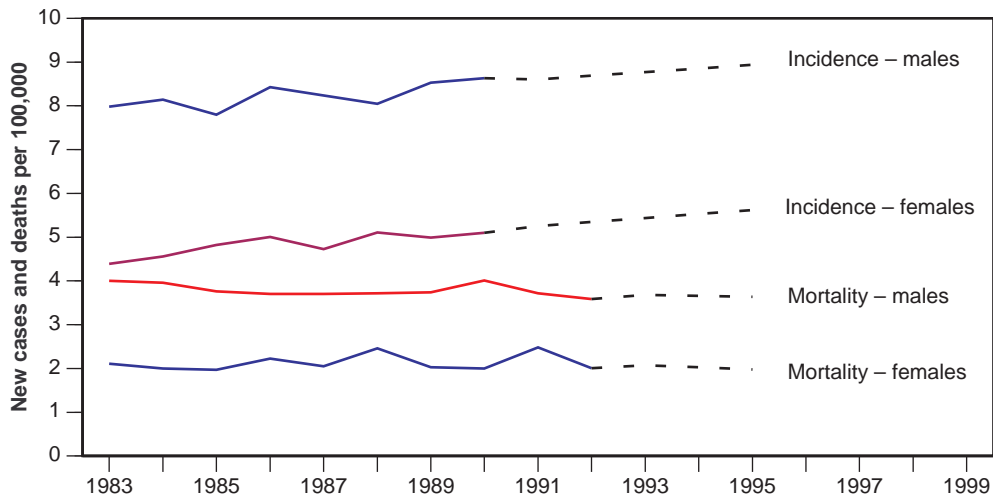
Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 18: Age-standardised and age-specific trends in cancer of the prostate, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

Cancer of the bladder



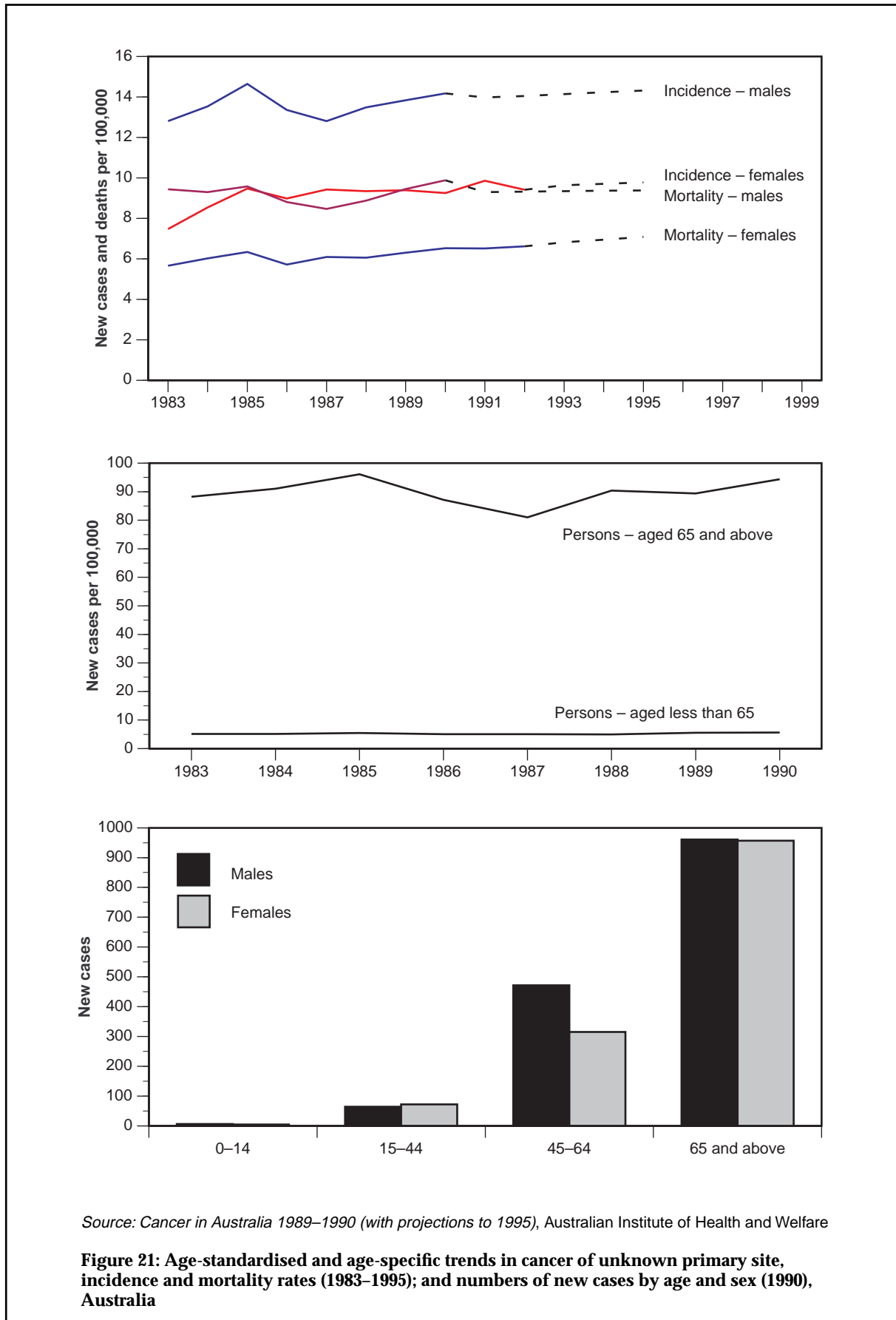
Cancer of the kidney



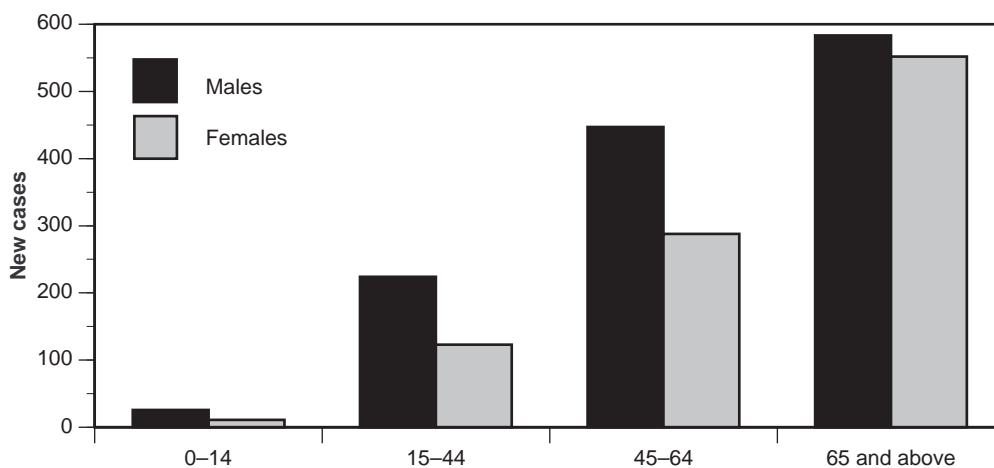
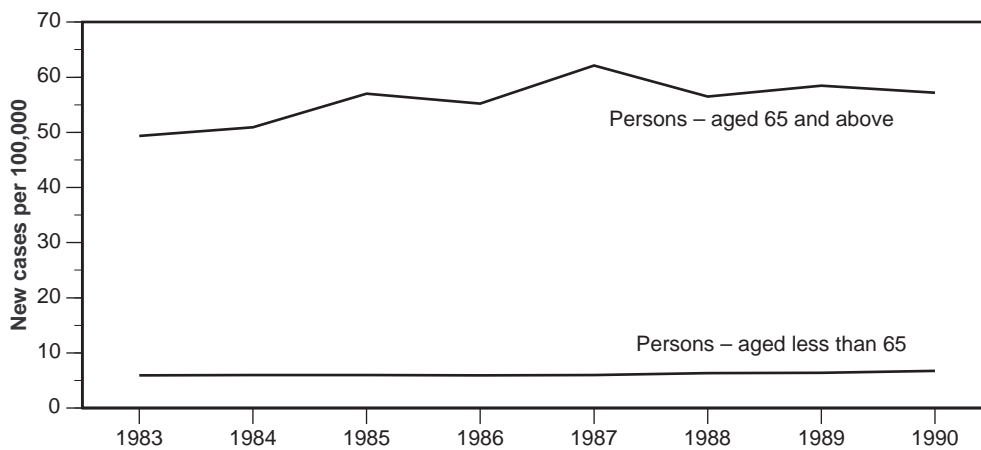
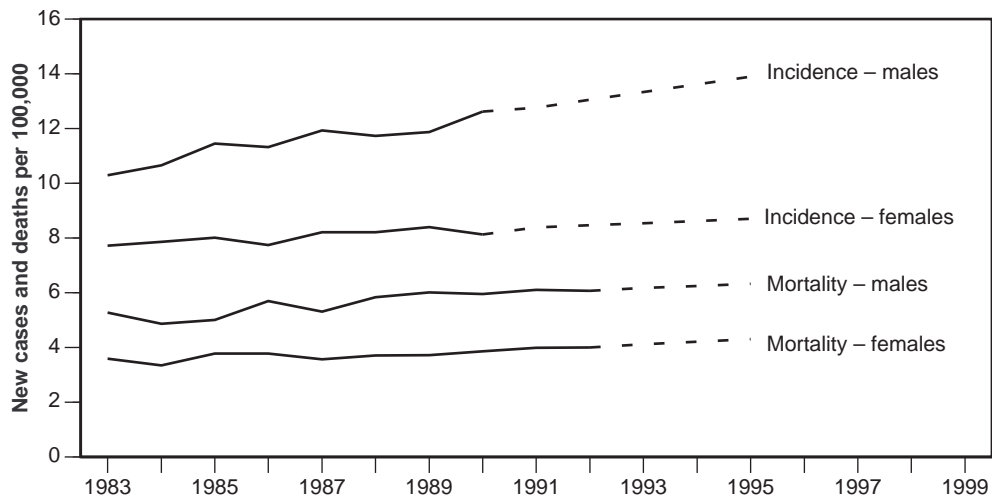
Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 20: Age-standardised and age-specific trends in cancer of the kidney, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

Cancer of unknown primary site



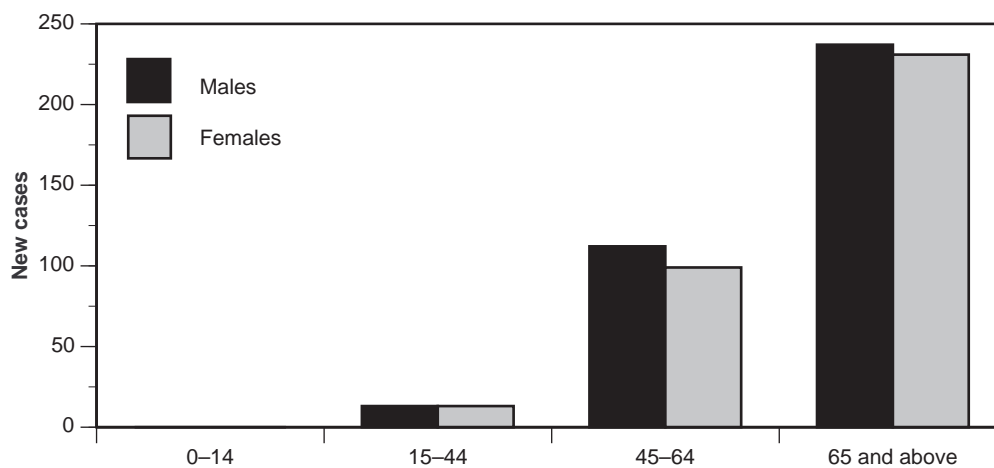
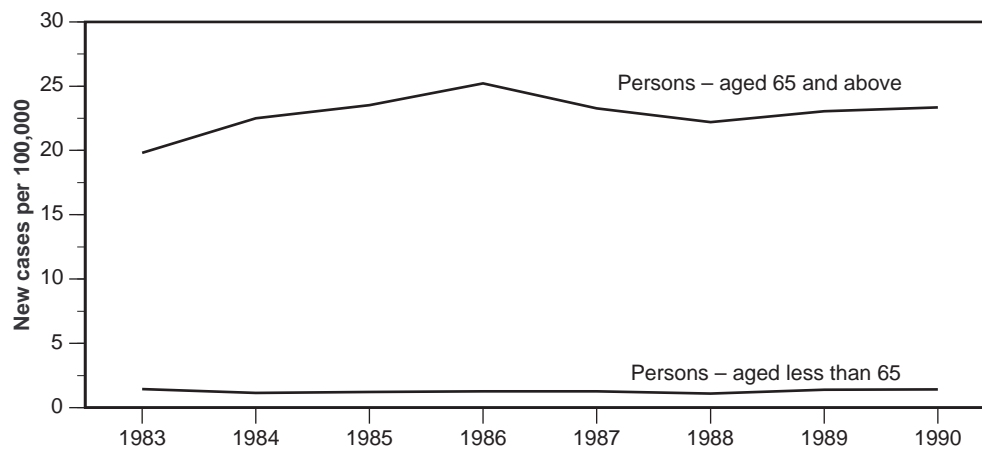
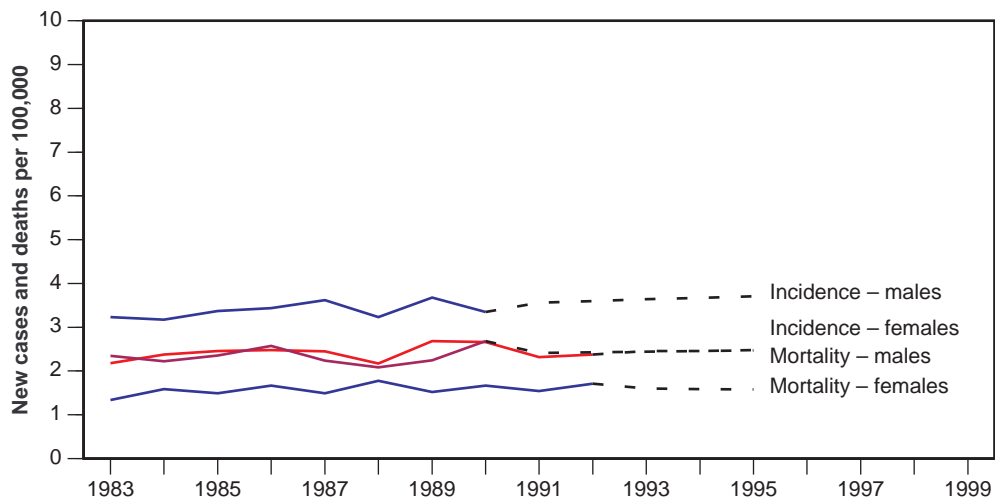
Non-Hodgkin's lymphoma



Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 22: Age-standardised and age-specific trends in non-Hodgkin's lymphoma, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

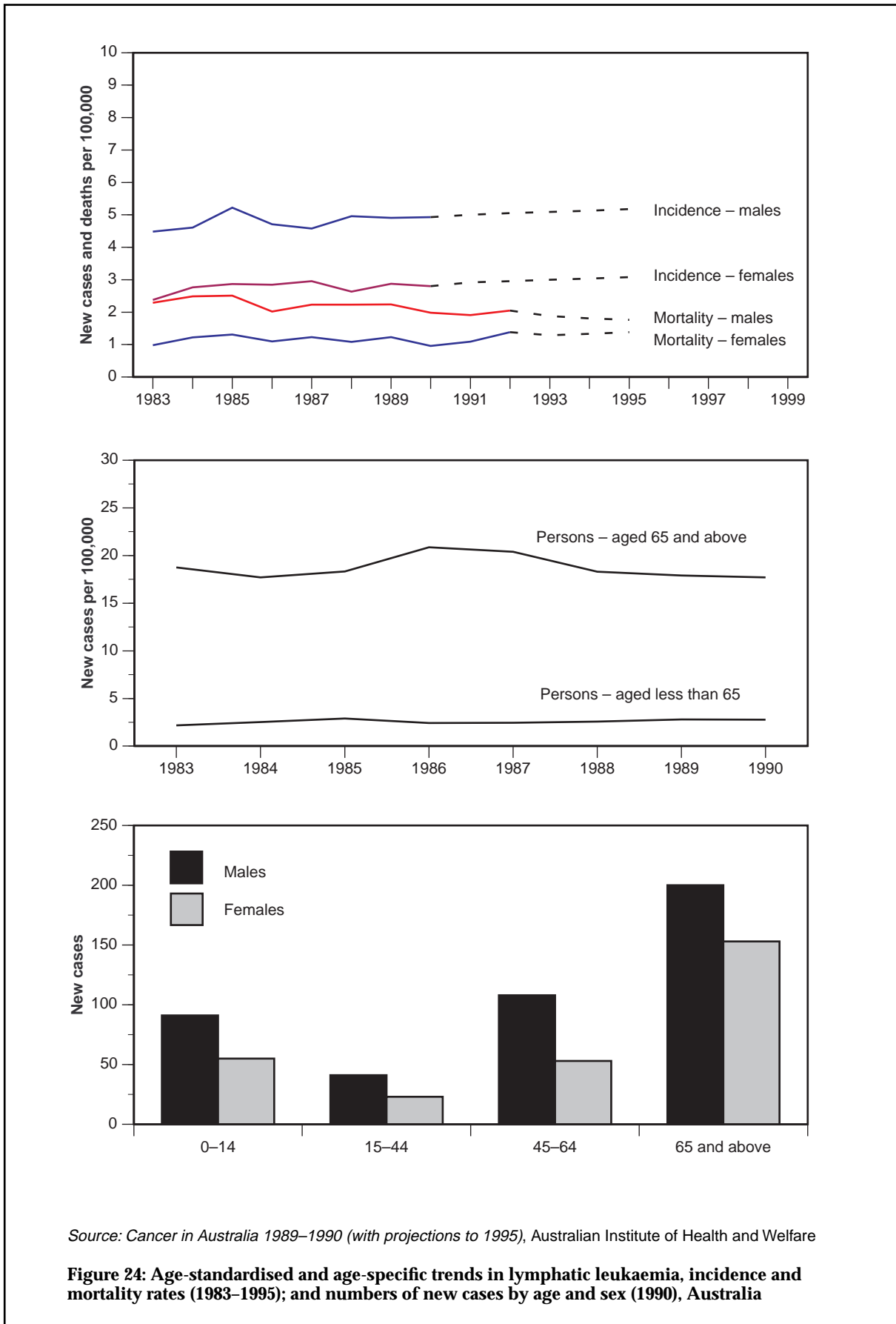
Multiple myeloma



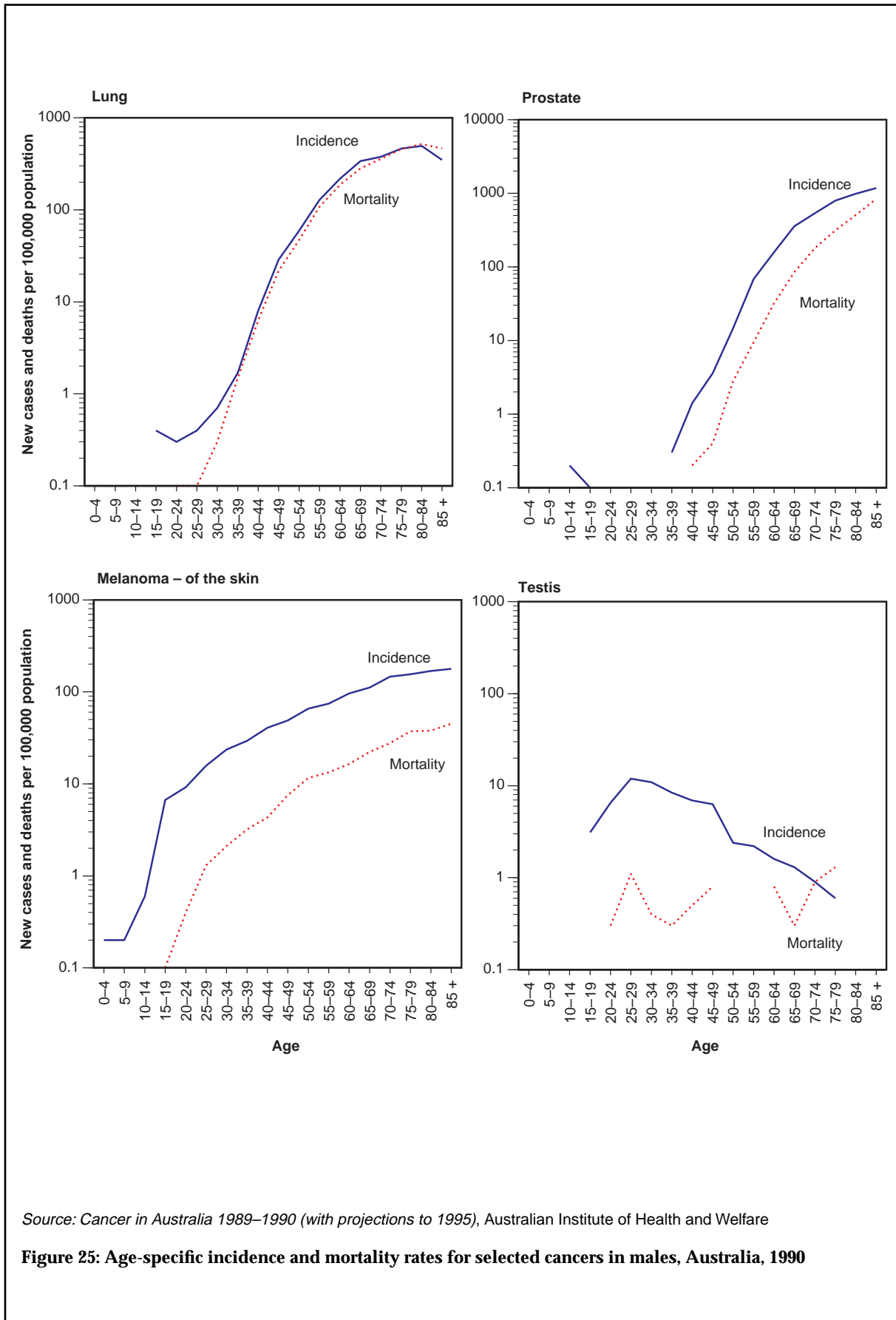
Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 23: Age-standardised and age-specific trends in multiple myeloma, incidence and mortality rates (1983-1995); and numbers of new cases by age and sex (1990), Australia

Lymphatic leukaemia



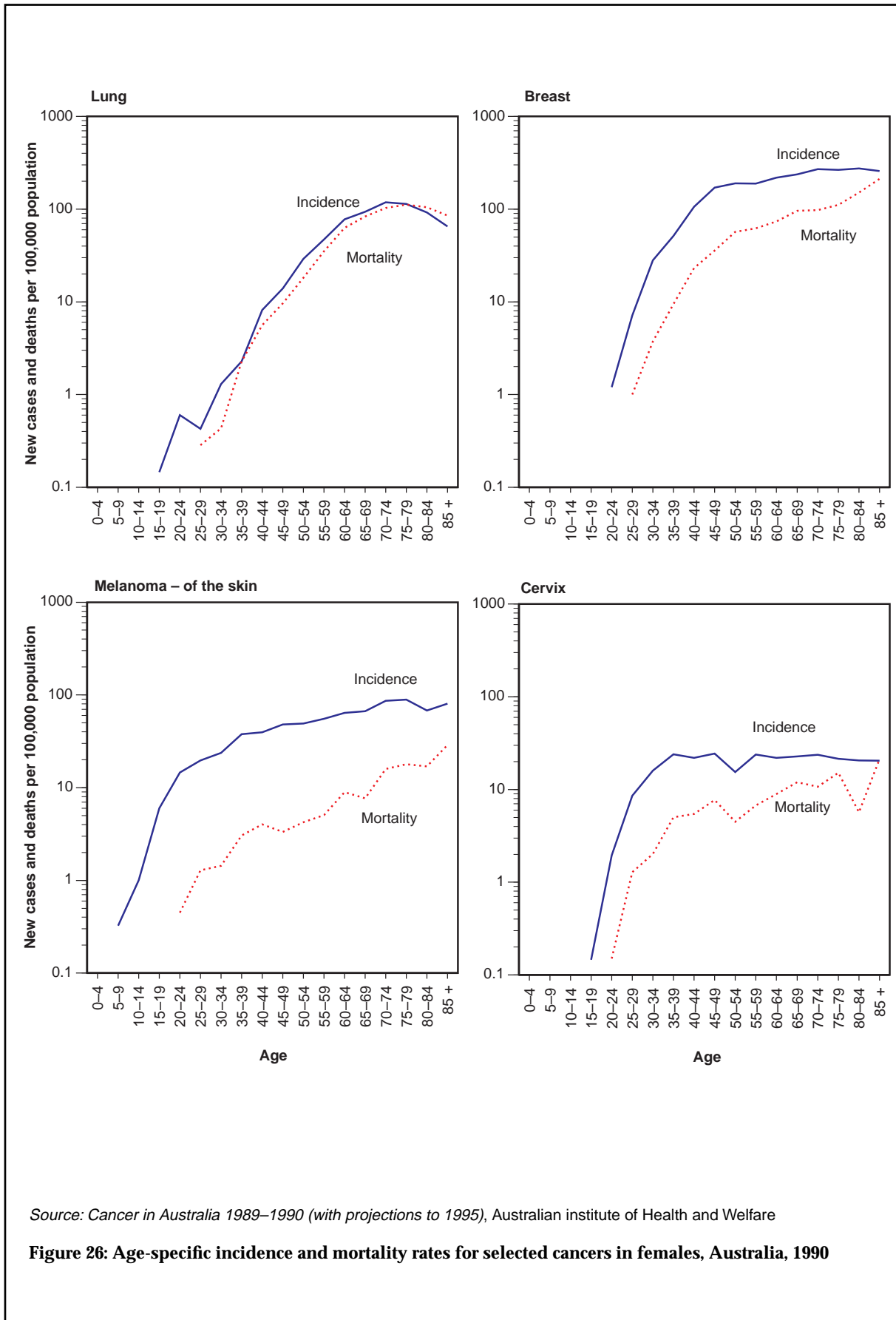
Incidence and mortality rates for selected cancers—males



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 25: Age-specific incidence and mortality rates for selected cancers in males, Australia, 1990

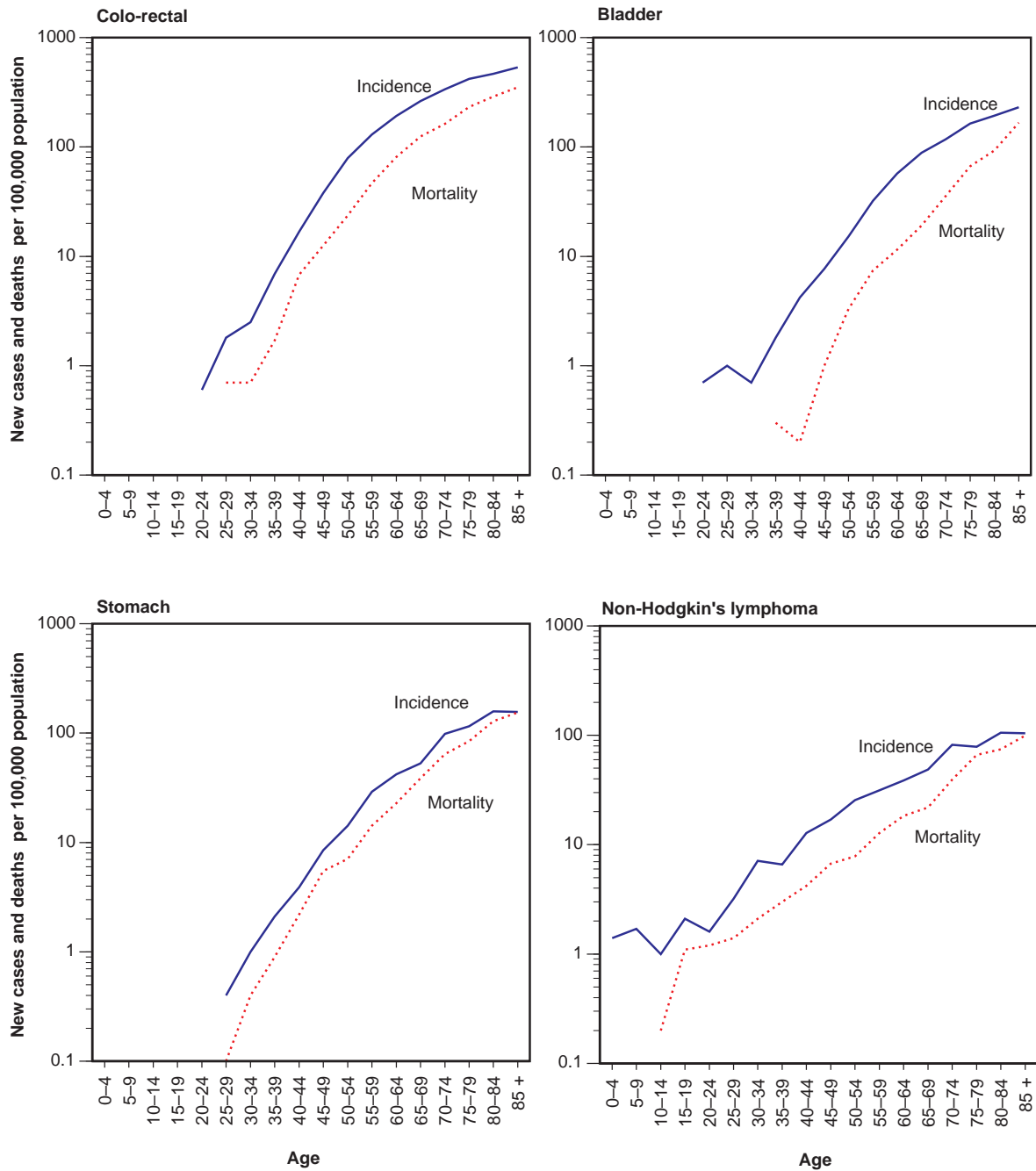
Incidence and mortality rates for selected cancers—females



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian institute of Health and Welfare

Figure 26: Age-specific incidence and mortality rates for selected cancers in females, Australia, 1990

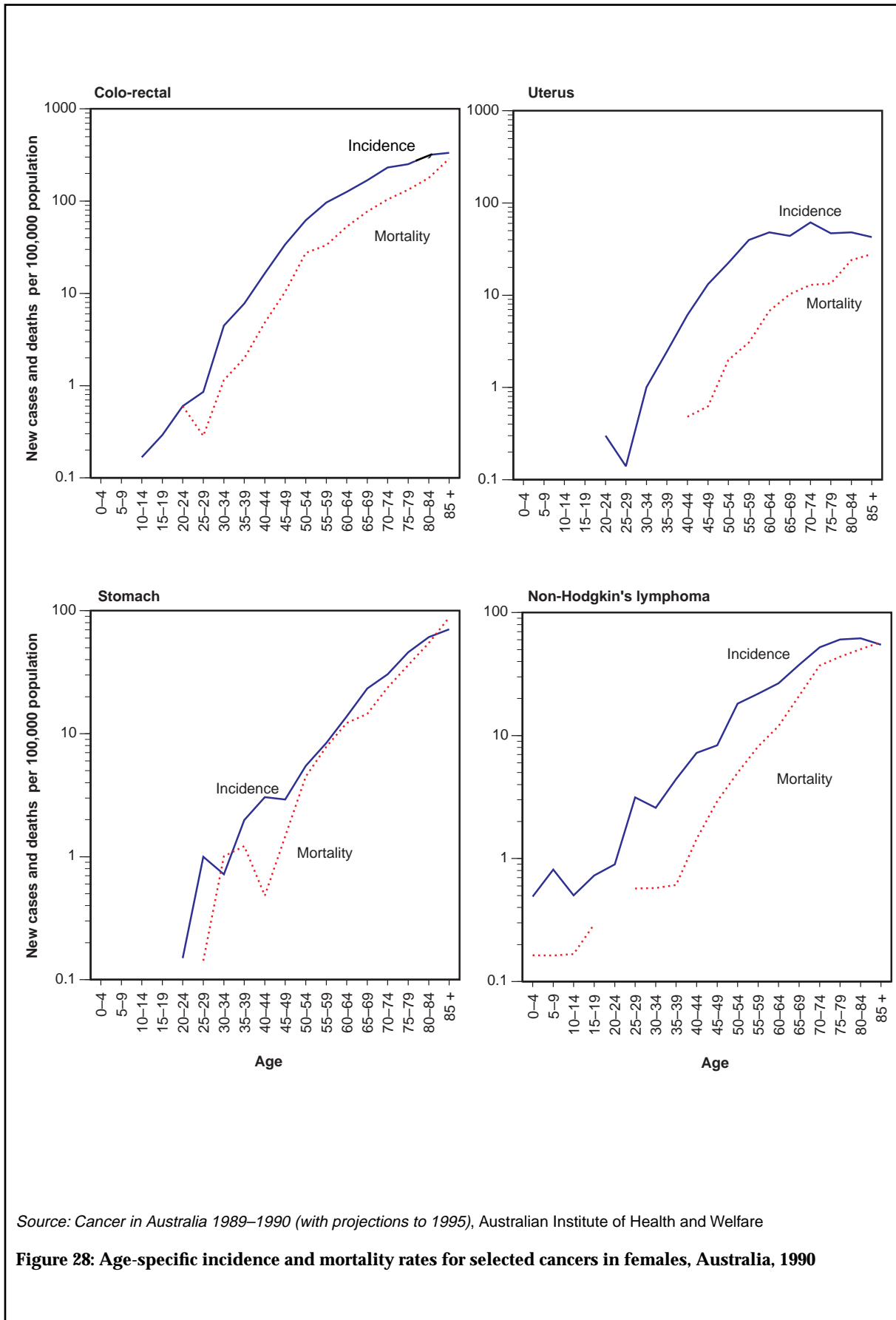
Incidence and mortality rates for selected cancers—males



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 27: Age-specific incidence and mortality rates for selected cancers in males, Australia, 1990

Incidence and mortality rates for selected cancers—females



Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Figure 28: Age-specific incidence and mortality rates for selected cancers in females, Australia, 1990

Data notes

This section provides information to assist in the interpretation of the tables in this report. More detailed information on methods is given in Appendix B.

Table features

- All rates are presented per 100,000 population.
- Age-standardised rates are calculated by the 'direct method' and use the World Standard Population as the referent population.
- The person-years of life lost (PYLL) and lifetime risk estimates are provided for the age group 0–74.
- The confidence intervals used in presenting crude and age-standardised rates are at the 95% level.
- The 'all cancers' estimates exclude non-melanocytic skin cancer.

Comparison of rates

Care should be exercised when interpreting a comparison between incidence or mortality rates: for example, when comparing different cancers or when comparing the same cancer in different years. The confidence intervals indicate the likely fluctuation of each rate. Some fluctuations may be within expectations, while others may indicate a change in the patterns of cancer incidence or mortality. Where small annual numbers of cancer cases or deaths are presented in a table, a direct comparison may produce a false perception of dramatic changes over time and, in these instances, averages over a period of time should be used. In general, cancer incidence and mortality rates change relatively slowly over time, though from year to year there may be marked fluctuations.

Combining rates

- Age-specific rates may be summed over cancer types for a particular age and sex.
- Age-specific rates may not be summed across different ages or sexes, but should be recalculated from the raw data.
- Provided populations are similar, the crude rates for a 10-year age group will be approximated by the average of the two 5-year age-specific rates. For comparison within broader age groups summary tables should be age-standardised (Coates et al. 1995).

State and Territory data

Unlike the Australian data, the data presented for each State and Territory are average annual rates and numbers of cases and deaths based on the five-year averages 1985–1989 and 1986–1990. Care should be taken in the interpretation of these rates, especially for less

common cancers or for States and Territories with small populations. By presenting the data in this manner natural statistical variation due to small numbers of cases or deaths within each State and Territory and cancer type are averaged across the period and provide a more stable and representative rate of incidence or mortality. Consequently, the State and Territory average annual number of cases or deaths do not sum to the Australian totals for 1989 and 1990.

All numbers of cases or deaths in the State and Territory tables are rounded to the nearest integer. Occasionally the number of cases or deaths will be zero but a small corresponding rate will appear. This indicates that there were on average fewer than 0.5 cases or deaths per year over the five-year period and, although the rounding process has made the entry zero, a rate can still be presented at one decimal point.

The data in this report will not correspond exactly to data published by the individual State and Territory cancer registries due to the five-year annual averaging and to the continual updating of data sets by the cancer registries. If single-year data are required for individual States and Territories then their annual reports may be consulted.

Cancer incidence estimates provided in this publication were made at July 1995. These estimates may be updated at any time as case details are added, modified or deleted in the national database. These modifications may occur several years after the initial diagnosis as additional case details are received by the State and Territory cancer registries from data suppliers and then passed to the National Cancer Statistics Clearing House.

This may have the impact of making incidence estimates for the same year incompatible between publications, but for the most part these changes are trivial.

Cancer in Australia 1989

Table 6: All cancers (except non-melanocytic skin cancer) (ICD 140–172, 174–208)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	142	22.4	99	16.4	241	19.4	24	3.8	25	4.1	49	4.0
5–9	71	11.2	60	9.9	131	10.6	30	4.7	18	3.0	48	3.9
10–14	93	14.7	81	13.5	174	14.1	26	4.1	22	3.7	48	3.9
15–19	168	23.2	141	20.4	309	21.8	50	6.9	21	3.0	71	5.0
20–24	205	30.0	248	37.7	453	33.8	34	5.0	35	5.3	69	5.2
25–29	392	54.6	419	59.7	811	57.1	67	9.3	53	7.5	120	8.5
30–34	519	75.5	755	111.3	1,274	93.3	105	15.3	125	18.4	230	16.8
35–39	701	107.7	1,079	166.5	1,780	137.0	185	28.4	207	31.9	392	30.2
40–44	989	158.8	1,526	256.3	2,515	206.5	280	45.0	394	66.2	674	55.3
45–49	1,213	249.5	1,716	373.6	2,929	309.8	492	101.2	522	113.6	1,014	107.3
50–54	1,719	423.8	1,970	508.0	3,689	465.0	820	202.2	675	174.0	1,495	188.4
55–59	2,688	722.2	2,318	642.3	5,006	682.9	1,321	354.9	921	255.2	2,242	305.8
60–64	4,369	1,204.1	3,165	859.2	7,534	1,030.3	2,247	619.3	1,469	398.8	3,716	508.2
65–69	5,148	1,672.0	3,475	1,005.9	8,623	1,319.8	2,837	921.4	1,718	497.3	4,555	697.1
70–74	4,926	2,330.6	3,354	1,266.0	8,280	1,738.4	2,819	1,333.7	1,891	713.8	4,710	988.9
75–79	4,371	2,882.8	3,043	1,392.1	7,414	2,002.7	2,768	1,825.6	1,913	875.2	4,681	1,264.4
80–84	2,622	3,396.8	2,111	1,575.5	4,733	2,241.2	1,893	2,452.4	1,467	1,094.9	3,360	1,591.1
85 and over	1,405	3,458.0	1,613	1,533.1	3,018	2,069.4	1,175	2,892.0	1,489	1,415.3	2,664	1,826.6
Total	31,741		27,173		58,914		17,173		12,965		30,138	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	377.7		322.4		350.0		204.3		153.8		179.0	
Conf. interval	373.5 – 381.8		318.6 – 326.2		347.2 – 352.8		201.3 – 207.4		151.2 – 156.5		177.0 – 181.1	
AS Rate	307.6		238.7		266.4		162.8		101.6		127.7	
Conf. interval	304.2 – 311.0		235.7 – 241.7		264.2 – 268.6		160.3 – 165.3		99.7 – 103.5		126.2 – 129.2	
Lifetime risk	1 in 3		1 in 4		1 in 4							
PYLL							133,085		111,304		244,389	
Per cent of all cancers	100.0		100.0		100.0		100.0		100.0		100.0	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	10,442	302.1	9,004	232.1	19,445	260.0	5,787	164.5	4,427	101.8	10,214	128.1
Vic	7,427	291.5	6,754	232.3	14,181	254.9	4,319	166.6	3,446	106.1	7,766	131.5
Qld	5,220	328.4	4,225	250.3	9,445	283.5	2,612	160.5	1,799	95.7	4,411	124.3
WA	2,442	295.0	2,157	237.4	4,599	260.2	1,337	159.6	1,003	101.8	2,340	126.9
SA	2,668	292.6	2,316	229.5	4,984	254.6	1,422	151.7	1,122	99.4	2,544	121.2
Tas	778	283.6	696	227.2	1,473	250.4	463	165.8	376	110.2	839	134.3
ACT	278	270.5	287	230.5	565	244.4	141	149.5	126	103.7	267	121.6
NT	114	252.0	82	182.9	196	218.0	65	157.4	43	114.8	108	137.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 7: Cancer of the lip (ICD 140)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	4	0.6	0	0.0	4	0.3	0	0.0	0	0.0	0	0.0
20-24	8	1.2	1	0.2	9	0.7	0	0.0	0	0.0	0	0.0
25-29	21	2.9	6	0.9	27	1.9	1	0.1	0	0.0	1	0.1
30-34	27	3.9	5	0.7	32	2.3	1	0.1	0	0.0	1	0.1
35-39	46	7.1	7	1.1	53	4.1	1	0.2	0	0.0	1	0.1
40-44	44	7.1	7	1.2	51	4.2	0	0.0	0	0.0	0	0.0
45-49	46	9.5	7	1.5	53	5.6	0	0.0	1	0.2	1	0.1
50-54	54	13.3	13	3.4	67	8.4	1	0.2	0	0.0	1	0.1
55-59	62	16.7	8	2.2	70	9.5	1	0.3	1	0.3	2	0.3
60-64	75	20.7	15	4.1	90	12.3	1	0.3	0	0.0	1	0.1
65-69	84	27.3	24	6.9	108	16.5	1	0.3	1	0.3	2	0.3
70-74	89	42.1	18	6.8	107	22.5	3	1.4	1	0.4	4	0.8
75-79	55	36.3	40	18.3	95	25.7	2	1.3	2	0.9	4	1.1
80-84	32	41.5	23	17.2	55	26.0	2	2.6	1	0.7	3	1.4
85 and over	19	46.8	24	22.8	43	29.5	0	0.0	1	1.0	1	0.7
Total	667		198		865		14		8		22	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	7.9		2.3		5.1		0.2		0.1		0.1	
Conf. interval	7.3 – 8.5		2.0 – 2.7		4.8 – 5.5		0.1 – 0.3		0.0 – 0.2		0.1 – 0.2	
AS Rate	6.7		1.5		4.0		0.1		0.1		0.1	
Conf. interval	6.2 – 7.2		1.3 – 1.7		3.7 – 4.3		0.1 – 0.2		0.0 – 0.1		0.1 – 0.1	
Lifetime risk	1 in 132		1 in 692		1 in 227							
PYLL							171		50		222	
Per cent of all cancers	2.1		0.7		1.5		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	141	4.2	40	0.9	182	2.5	6	0.2	2	0.1	8	0.1
Vic	117	4.7	35	1.0	152	2.7	4	0.1	1	0.0	5	0.1
Qld	154	10.1	47	2.6	201	6.3	1	0.0	0	0.0	1	0.0
WA	61	7.5	15	1.6	77	4.5	1	0.2	0	0.0	2	0.1
SA	112	13.2	28	2.6	141	7.7	1	0.1	1	0.1	1	0.1
Tas	19	7.1	3	0.6	21	3.8	0	0.1	0	0.0	0	0.0
ACT	11	9.4	2	1.3	12	5.0	0	0.0	0	0.0	0	0.0
NT	0	0.7	0	0.0	0	0.4	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 8: Cancer of the tongue (ICD 141)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	3	0.4	0	0.0	3	0.2	0	0.0	1	0.1	1	0.1
30-34	3	0.4	3	0.4	6	0.4	0	0.0	0	0.0	0	0.0
35-39	4	0.6	3	0.5	7	0.5	0	0.0	0	0.0	0	0.0
40-44	11	1.8	4	0.7	15	1.2	2	0.3	1	0.2	3	0.2
45-49	26	5.3	4	0.9	30	3.2	2	0.4	2	0.4	4	0.4
50-54	25	6.2	8	2.1	33	4.2	11	2.7	0	0.0	11	1.4
55-59	36	9.7	14	3.9	50	6.8	18	4.8	3	0.8	21	2.9
60-64	42	11.6	11	3.0	53	7.2	16	4.4	7	1.9	23	3.1
65-69	34	11.0	20	5.8	54	8.3	23	7.5	5	1.4	28	4.3
70-74	32	15.1	12	4.5	44	9.2	26	12.3	3	1.1	29	6.1
75-79	14	9.2	20	9.1	34	9.2	7	4.6	12	5.5	19	5.1
80-84	7	9.1	10	7.5	17	8.1	3	3.9	7	5.2	10	4.7
85 and over	3	7.4	7	6.7	10	6.9	5	12.3	1	1.0	6	4.1
Total	241		116		357		113		42		155	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.9		1.4		2.1		1.3		0.5		0.9	
Conf. interval	2.5 – 3.2		1.1 – 1.6		1.9 – 2.3		1.1 – 1.6		0.3 – 0.6		0.8 – 1.1	
AS Rate	2.5		1.0		1.7		1.1		0.3		0.7	
Conf. interval	2.2 – 2.8		0.8 – 1.1		1.5 – 1.9		0.9 – 1.4		0.2 – 0.4		0.6 – 0.8	
Lifetime risk	1 in 321		1 in 922		1 in 484							
PYLL							956		293		1,249	
Per cent of all cancers	0.8		0.4		0.6		0.7		0.3		0.5	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	75	2.3	36	0.9	111	1.6	44	1.3	16	0.4	59	0.8
Vic	51	2.1	27	0.9	78	1.5	33	1.3	13	0.4	46	0.8
Qld	47	3.1	18	1.1	66	2.1	19	1.3	8	0.4	27	0.8
WA	18	2.3	6	0.6	24	1.4	11	1.3	4	0.4	14	0.8
SA	16	1.9	9	0.8	25	1.3	6	0.7	3	0.2	9	0.4
Tas	6	2.5	2	0.8	9	1.7	3	1.1	1	0.3	4	0.7
ACT	1	0.6	1	0.9	2	0.7	0	0.5	0	0.2	1	0.3
NT	2	4.6	1	2.4	3	3.7	0	0.7	1	1.7	1	1.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 9: Cancer of the salivary gland (ICD 142)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	2	0.3	2	0.2	1	0.2	0	0.0	1	0.1
15-19	2	0.3	1	0.1	3	0.2	0	0.0	0	0.0	0	0.0
20-24	2	0.3	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
25-29	3	0.4	3	0.4	6	0.4	0	0.0	0	0.0	0	0.0
30-34	2	0.3	0	0.0	2	0.1	1	0.1	0	0.0	1	0.1
35-39	4	0.6	6	0.9	10	0.8	1	0.2	0	0.0	1	0.1
40-44	6	1.0	5	0.8	11	0.9	0	0.0	0	0.0	0	0.0
45-49	3	0.6	3	0.7	6	0.6	0	0.0	1	0.2	1	0.1
50-54	4	1.0	4	1.0	8	1.0	0	0.0	1	0.3	1	0.1
55-59	13	3.5	3	0.8	16	2.2	1	0.3	1	0.3	2	0.3
60-64	17	4.7	6	1.6	23	3.1	4	1.1	4	1.1	8	1.1
65-69	19	6.2	6	1.7	25	3.8	5	1.6	2	0.6	7	1.1
70-74	24	11.4	6	2.3	30	6.3	8	3.8	4	1.5	12	2.5
75-79	12	7.9	9	4.1	21	5.7	4	2.6	5	2.3	9	2.4
80-84	11	14.3	3	2.2	14	6.6	4	5.2	3	2.2	7	3.3
85 and over	6	14.8	4	3.8	10	6.9	0	0.0	4	3.8	4	2.7
Total	128		61		189		29		25		54	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.5		0.7		1.1		0.3		0.3		0.3	
Conf. interval	1.3 - 1.8		0.5 - 0.9		1.0 - 1.3		0.2 - 0.5		0.2 - 0.4		0.2 - 0.4	
AS Rate	1.2		0.5		0.9		0.3		0.2		0.2	
Conf. interval	1.0 - 1.5		0.4 - 0.7		0.7 - 1.0		0.2 - 0.4		0.1 - 0.3		0.2 - 0.3	
Lifetime risk	1 in 664		1 in 1,850		1 in 1,008							
PYLL							235		130		365	
Per cent of all cancers	0.4		0.2		0.3		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	40	1.1	21	0.6	61	0.8	12	0.3	8	0.2	20	0.2
Vic	24	0.9	16	0.6	40	0.7	10	0.3	7	0.2	17	0.3
Qld	18	1.1	7	0.4	25	0.7	4	0.3	3	0.1	7	0.2
WA	7	0.8	5	0.5	12	0.7	3	0.4	1	0.1	4	0.2
SA	8	0.9	5	0.5	12	0.7	3	0.3	1	0.1	4	0.2
Tas	2	0.9	1	0.4	4	0.6	1	0.3	0	0.0	1	0.2
ACT	1	1.1	1	1.0	2	1.0	0	0.6	1	0.5	1	0.5
NT	1	2.2	0	0.7	1	1.5	0	0.9	0	0.0	0	0.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 10: Cancer of the gum (ICD 143)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	1	0.2	1	0.2	2	0.2	1	0.2	0	0.0	1	0.1
45-49	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
50-54	2	0.5	2	0.5	4	0.5	3	0.7	0	0.0	3	0.4
55-59	6	1.6	1	0.3	7	1.0	2	0.5	1	0.3	3	0.4
60-64	1	0.3	4	1.1	5	0.7	2	0.6	1	0.3	3	0.4
65-69	5	1.6	4	1.2	9	1.4	3	1.0	0	0.0	3	0.5
70-74	2	0.9	2	0.8	4	0.8	0	0.0	2	0.8	2	0.4
75-79	1	0.7	2	0.9	3	0.8	1	0.7	2	0.9	3	0.8
80-84	2	2.6	0	0.0	2	0.9	1	1.3	2	1.5	3	1.4
85 and over	1	2.5	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0
Total	22		17		39		13		8		21	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.3		0.2		0.2		0.2		0.1		0.1	
Conf. interval	0.2 – 0.4		0.1 – 0.3		0.2 – 0.3		0.1 – 0.2		0.0 – 0.2		0.1 – 0.2	
AS Rate	0.2		0.2		0.2		0.1		0.1		0.1	
Conf. interval	0.1 – 0.3		0.1 – 0.2		0.1 – 0.2		0.1 – 0.2		0.0 – 0.1		0.1 – 0.1	
Lifetime risk	1 in 3,804		1 in 4,876		1 in 4,284							
PYLL							156		32		187	
Per cent of all cancers	0.1		0.1		0.1		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	9	0.3	8	0.2	17	0.2	3	0.1	2	0.0	5	0.1
Vic	3	0.1	3	0.1	5	0.1	1	0.0	1	0.0	2	0.0
Qld	4	0.3	3	0.2	7	0.2	1	0.0	1	0.0	1	0.0
WA	2	0.2	2	0.2	3	0.2	1	0.2	1	0.0	2	0.1
SA	3	0.3	1	0.1	4	0.2	1	0.1	1	0.1	1	0.1
Tas	0	0.2	0	0.1	1	0.1	0	0.1	0	0.1	1	0.1
ACT	0	0.3	0	0.0	0	0.2	0	0.0	0	0.0	0	0.0
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.5	0	0.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 11: Cancer of the floor of mouth (ICD 144)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	2	0.3	2	0.2	1	0.2	0	0.0	1	0.1
40-44	8	1.3	1	0.2	9	0.7	2	0.3	0	0.0	2	0.2
45-49	8	1.6	2	0.4	10	1.1	3	0.6	0	0.0	3	0.3
50-54	13	3.2	1	0.3	14	1.8	4	1.0	0	0.0	4	0.5
55-59	17	4.6	5	1.4	22	3.0	3	0.8	4	1.1	7	1.0
60-64	24	6.6	7	1.9	31	4.2	10	2.8	4	1.1	14	1.9
65-69	21	6.8	7	2.0	28	4.3	8	2.6	0	0.0	8	1.2
70-74	15	7.1	11	4.2	26	5.5	10	4.7	2	0.8	12	2.5
75-79	4	2.6	2	0.9	6	1.6	1	0.7	2	0.9	3	0.8
80-84	4	5.2	2	1.5	6	2.8	1	1.3	1	0.7	2	0.9
85 and over	1	2.5	4	3.8	5	3.4	1	2.5	1	1.0	2	1.4
Total	115		45		160		44		14		58	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.4		0.5		1.0		0.5		0.2		0.3	
Conf. interval	1.1 – 1.6		0.4 – 0.7		0.8 – 1.1		0.4 – 0.7		0.1 – 0.3		0.3 – 0.4	
AS Rate	1.2		0.4		0.8		0.5		0.1		0.3	
Conf. interval	1.0 – 1.4		0.3 – 0.5		0.7 – 0.9		0.3 – 0.6		0.1 – 0.2		0.2 – 0.4	
Lifetime risk	1 in 641		1 in 1,856		1 in 963							
PYLL							461		114		575	
Per cent of all cancers	0.4		0.2		0.3		0.3		0.1		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	42	1.3	14	0.4	57	0.8	14	0.4	5	0.1	18	0.2
Vic	29	1.2	11	0.4	40	0.8	13	0.5	5	0.1	18	0.3
Qld	21	1.5	6	0.4	28	0.9	6	0.4	1	0.1	7	0.2
WA	11	1.4	3	0.4	14	0.9	4	0.5	2	0.2	5	0.3
SA	7	0.8	3	0.3	10	0.6	3	0.3	1	0.0	3	0.2
Tas	3	1.1	1	0.3	4	0.7	0	0.2	0	0.1	1	0.1
ACT	1	0.7	1	0.7	2	0.7	0	0.0	0	0.1	0	0.1
NT	1	1.3	0	0.9	1	1.2	0	0.2	0	0.5	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 12: Cancer of other and unspecified parts of mouth (ICD 145)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	2	0.3	1	0.1	3	0.2	0	0.0	0	0.0	0	0.0
30-34	1	0.1	1	0.1	2	0.1	0	0.0	0	0.0	0	0.0
35-39	4	0.6	2	0.3	6	0.5	0	0.0	0	0.0	0	0.0
40-44	8	1.3	5	0.8	13	1.1	0	0.0	0	0.0	0	0.0
45-49	9	1.9	4	0.9	13	1.4	0	0.0	2	0.4	2	0.2
50-54	9	2.2	4	1.0	13	1.6	7	1.7	1	0.3	8	1.0
55-59	27	7.3	6	1.7	33	4.5	1	0.3	1	0.3	2	0.3
60-64	23	6.3	10	2.7	33	4.5	4	1.1	3	0.8	7	1.0
65-69	20	6.5	11	3.2	31	4.7	3	1.0	6	1.7	9	1.4
70-74	15	7.1	8	3.0	23	4.8	12	5.7	3	1.1	15	3.1
75-79	12	7.9	13	5.9	25	6.8	1	0.7	4	1.8	5	1.4
80-84	2	2.6	4	3.0	6	2.8	2	2.6	3	2.2	5	2.4
85 and over	1	2.5	3	2.9	4	2.7	1	2.5	3	2.9	4	2.7
Total	133		72		205		31		26		57	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.6		0.9		1.2		0.4		0.3		0.3	
Conf. interval	1.3 – 1.9		0.7 – 1.1		1.1 – 1.4		0.2 – 0.5		0.2 – 0.4		0.3 – 0.4	
AS Rate	1.4		0.6		1.0		0.3		0.2		0.3	
Conf. interval	1.1 – 1.6		0.5 – 0.8		0.8 – 1.1		0.2 – 0.4		0.1 – 0.3		0.2 – 0.3	
Lifetime risk	1 in 596		1 in 1,437		1 in 852							
PYLL							237		169		406	
Per cent of all cancers	0.4		0.3		0.3		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	44	1.3	22	0.6	67	0.9	13	0.4	10	0.2	23	0.3
Vic	23	0.9	16	0.5	39	0.7	8	0.3	6	0.2	14	0.3
Qld	28	1.9	13	0.7	40	1.3	6	0.4	2	0.1	8	0.2
WA	10	1.3	5	0.5	15	0.9	3	0.4	2	0.2	5	0.3
SA	10	1.2	7	0.6	17	0.9	2	0.3	1	0.1	3	0.2
Tas	1	0.4	2	0.5	3	0.5	2	0.7	1	0.2	2	0.4
ACT	0	0.4	1	0.9	1	0.7	0	0.2	0	0.0	0	0.1
NT	1	3.8	1	2.1	2	3.1	0	0.3	0	0.0	0	0.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 13: Cancer of the oropharynx (ICD 146)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	2	0.3	0	0.0	2	0.1	0	0.0	1	0.1	1	0.1
35-39	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
40-44	9	1.4	1	0.2	10	0.8	0	0.0	0	0.0	0	0.0
45-49	18	3.7	1	0.2	19	2.0	2	0.4	2	0.4	4	0.4
50-54	21	5.2	5	1.3	26	3.3	8	2.0	1	0.3	9	1.1
55-59	23	6.2	5	1.4	28	3.8	13	3.5	1	0.3	14	1.9
60-64	31	8.5	5	1.4	36	4.9	24	6.6	4	1.1	28	3.8
65-69	33	10.7	6	1.7	39	6.0	18	5.8	2	0.6	20	3.1
70-74	20	9.5	6	2.3	26	5.5	18	8.5	4	1.5	22	4.6
75-79	10	6.6	7	3.2	17	4.6	10	6.6	3	1.4	13	3.5
80-84	2	2.6	0	0.0	2	0.9	0	0.0	2	1.5	2	0.9
85 and over	1	2.5	0	0.0	1	0.7	3	7.4	3	2.9	6	4.1
Total	171		37		208		96		23		119	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.0		0.4		1.2		1.1		0.3		0.7	
Conf. interval	1.7 – 2.3		0.3 – 0.6		1.1 – 1.4		0.9 – 1.4		0.2 – 0.4		0.6 – 0.8	
AS Rate	1.8		0.3		1.0		1.0		0.2		0.6	
Conf. interval	1.5 – 2.1		0.2 – 0.4		0.9 – 1.2		0.8 – 1.2		0.1 – 0.3		0.5 – 0.7	
Lifetime risk	1 in 438		1 in 2,333		1 in 753							
PYLL							802		195		997	
Per cent of all cancers	0.5		0.1		0.4		0.6		0.2		0.4	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	53	1.6	19	0.5	72	1.1	30	0.9	9	0.2	39	0.5
Vic	41	1.7	11	0.4	52	1.0	21	0.9	6	0.2	27	0.5
Qld	28	1.8	10	0.6	37	1.2	17	1.1	3	0.2	20	0.6
WA	14	1.7	4	0.4	18	1.0	10	1.2	2	0.3	12	0.7
SA	13	1.5	2	0.2	15	0.8	10	1.0	1	0.1	11	0.5
Tas	3	1.3	1	0.5	4	0.8	1	0.3	1	0.2	1	0.2
ACT	1	0.8	1	0.7	2	0.7	1	0.8	0	0.3	1	0.5
NT	1	2.4	0	0.8	2	1.7	0	1.0	0	0.7	1	0.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 14: Cancer of the nasopharynx (ICD 147)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	4	0.6	5	0.4	0	0.0	0	0.0	0	0.0
20-24	1	0.1	1	0.2	2	0.1	0	0.0	0	0.0	0	0.0
25-29	3	0.4	1	0.1	4	0.3	0	0.0	0	0.0	0	0.0
30-34	3	0.4	3	0.4	6	0.4	2	0.3	0	0.0	2	0.1
35-39	3	0.5	0	0.0	3	0.2	4	0.6	0	0.0	4	0.3
40-44	10	1.6	1	0.2	11	0.9	3	0.5	1	0.2	4	0.3
45-49	9	1.9	1	0.2	10	1.1	6	1.2	2	0.4	8	0.8
50-54	5	1.2	1	0.3	6	0.8	4	1.0	1	0.3	5	0.6
55-59	10	2.7	2	0.6	12	1.6	2	0.5	0	0.0	2	0.3
60-64	13	3.6	4	1.1	17	2.3	10	2.8	5	1.4	15	2.1
65-69	8	2.6	2	0.6	10	1.5	3	1.0	0	0.0	3	0.5
70-74	6	2.8	1	0.4	7	1.5	2	0.9	2	0.8	4	0.8
75-79	1	0.7	1	0.5	2	0.5	3	2.0	0	0.0	3	0.8
80-84	0	0.0	0	0.0	0	0.0	3	3.9	1	0.7	4	1.9
85 and over	3	7.4	0	0.0	3	2.1	1	2.5	1	1.0	2	1.4
Total	77		22		99		43		13		56	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.9		0.3		0.6		0.5		0.2		0.3	
Conf. interval	0.7 – 1.1		0.2 – 0.4		0.5 – 0.7		0.4 – 0.7		0.1 – 0.2		0.2 – 0.4	
AS Rate	0.8		0.2		0.5		0.4		0.1		0.3	
Conf. interval	0.6 – 1.0		0.1 – 0.3		0.4 – 0.6		0.3 – 0.6		0.1 – 0.2		0.2 – 0.4	
Lifetime risk	1 in 1,102		1 in 4,391		1 in 1,784							
PYLL							670		162		832	
Per cent of all cancers	0.2		0.1		0.2		0.3		0.1		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	28	0.9	10	0.3	37	0.6	16	0.5	5	0.1	21	0.3
Vic	16	0.7	8	0.3	24	0.5	8	0.4	5	0.2	14	0.3
Qld	11	0.7	3	0.2	14	0.4	6	0.4	3	0.1	9	0.3
WA	4	0.6	1	0.2	6	0.4	4	0.5	1	0.1	5	0.3
SA	4	0.5	2	0.2	6	0.3	3	0.3	1	0.1	4	0.2
Tas	3	1.1	1	0.3	4	0.7	1	0.3	0	0.2	1	0.2
ACT	1	0.6	0	0.0	1	0.3	0	0.2	0	0.0	0	0.1
NT	1	1.5	0	0.7	1	1.1	1	1.7	0	0.0	1	1.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 15: Cancer of the hypopharynx (ICD 148)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
35-39	2	0.3	0	0.0	2	0.2	0	0.0	1	0.2	1	0.1
40-44	6	1.0	1	0.2	7	0.6	0	0.0	1	0.2	1	0.1
45-49	7	1.4	2	0.4	9	1.0	4	0.8	1	0.2	5	0.5
50-54	16	3.9	1	0.3	17	2.1	6	1.5	2	0.5	8	1.0
55-59	25	6.7	2	0.6	27	3.7	9	2.4	1	0.3	10	1.4
60-64	42	11.6	4	1.1	46	6.3	14	3.9	0	0.0	14	1.9
65-69	25	8.1	4	1.2	29	4.4	13	4.2	5	1.4	18	2.8
70-74	19	9.0	0	0.0	19	4.0	6	2.8	2	0.8	8	1.7
75-79	6	4.0	3	1.4	9	2.4	4	2.6	0	0.0	4	1.1
80-84	6	7.8	1	0.7	7	3.3	2	2.6	0	0.0	2	0.9
85 and over	3	7.4	0	0.0	3	2.1	2	4.9	0	0.0	2	1.4
Total	157		19		176		60		13		73	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.9		0.2		1.0		0.7		0.2		0.4	
Conf. interval	1.6 – 2.2		0.1 – 0.3		0.9 – 1.2		0.5 – 0.9		0.1 – 0.2		0.3 – 0.5	
AS Rate	1.6		0.2		0.9		0.6		0.1		0.4	
Conf. interval	1.4 – 1.9		0.1 – 0.3		0.7 – 1.0		0.5 – 0.8		0.1 – 0.2		0.3 – 0.4	
Lifetime risk	1 in 476		1 in 5,255		1 in 897							
PYLL							587		186		773	
Per cent of all cancers	0.5		0.1		0.3		0.3		0.1		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	49	1.5	7	0.2	56	0.8	20	0.6	4	0.1	24	0.3
Vic	38	1.6	5	0.2	43	0.9	14	0.6	2	0.1	16	0.3
Qld	26	1.8	4	0.2	30	1.0	9	0.6	1	0.1	10	0.3
WA	9	1.1	1	0.1	10	0.6	6	0.7	1	0.1	7	0.4
SA	10	1.2	4	0.4	14	0.8	6	0.6	2	0.2	8	0.4
Tas	4	1.5	1	0.2	5	0.8	2	0.5	0	0.1	2	0.3
ACT	0	0.4	0	0.0	0	0.2	0	0.2	0	0.0	0	0.1
NT	1	2.7	0	1.4	2	2.2	0	0.7	0	1.4	1	1.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 16: Cancer of other sites within the lip, oral cavity and pharynx (ICD 149)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
45-49	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
50-54	6	1.5	0	0.0	6	0.8	1	0.2	0	0.0	1	0.1
55-59	6	1.6	1	0.3	7	1.0	3	0.8	0	0.0	3	0.4
60-64	10	2.8	1	0.3	11	1.5	6	1.7	1	0.3	7	1.0
65-69	5	1.6	5	1.4	10	1.5	5	1.6	1	0.3	6	0.9
70-74	4	1.9	2	0.8	6	1.3	3	1.4	0	0.0	3	0.6
75-79	1	0.7	1	0.5	2	0.5	2	1.3	2	0.9	4	1.1
80-84	3	3.9	1	0.7	4	1.9	1	1.3	1	0.7	2	0.9
85 and over	0	0.0	1	1.0	1	0.7	0	0.0	0	0.0	0	0.0
Total	38		12		50		21		5		26	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.5		0.1		0.3		0.2		0.1		0.2	
Conf. interval	0.3 – 0.6		0.1 – 0.2		0.2 – 0.4		0.1 – 0.4		0.0 – 0.1		0.1 – 0.2	
AS Rate	0.4		0.1		0.2		0.2		0.0		0.1	
Conf. interval	0.3 – 0.5		0.0 – 0.1		0.2 – 0.3		0.1 – 0.3		0.0 – 0.1		0.1 – 0.2	
Lifetime risk	1 in 2,026		1 in 7,271		1 in 3,192							
PYLL							166		18		184	
Per cent of all cancers	0.1		0.0		0.1		0.1		0.0		0.1	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	11	0.3	4	0.1	15	0.2	7	0.2	2	0.1	9	0.1
Vic	8	0.3	2	0.1	10	0.2	7	0.3	3	0.1	10	0.2
Qld	9	0.6	2	0.1	12	0.4	5	0.3	1	0.0	6	0.2
WA	4	0.6	1	0.1	6	0.3	1	0.1	1	0.1	2	0.1
SA	1	0.1	0	0.0	1	0.1	1	0.1	0	0.0	1	0.0
Tas	1	0.3	0	0.0	1	0.2	1	0.6	0	0.1	2	0.3
ACT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NT	1	1.8	0	0.7	1	1.4	1	1.5	0	0.0	1	0.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 17: Cancers of the head and neck (ICD 141–149)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	0	0.0	2	0.3	2	0.2	1	0.2	0	0.0	1	0.1
15–19	3	0.4	5	0.7	8	0.6	0	0.0	0	0.0	0	0.0
20–24	5	0.7	1	0.2	6	0.4	0	0.0	0	0.0	0	0.0
25–29	11	1.5	7	1.0	18	1.3	0	0.0	1	0.1	1	0.1
30–34	12	1.7	8	1.2	20	1.5	3	0.4	1	0.1	4	0.3
35–39	18	2.8	14	2.2	32	2.5	6	0.9	1	0.2	7	0.5
40–44	60	9.6	19	3.2	79	6.5	8	1.3	3	0.5	11	0.9
45–49	81	16.7	17	3.7	98	10.4	17	3.5	10	2.2	27	2.9
50–54	101	24.9	26	6.7	127	16.0	44	10.8	6	1.5	50	6.3
55–59	163	43.8	39	10.8	202	27.6	52	14.0	12	3.3	64	8.7
60–64	203	55.9	52	14.1	255	34.9	90	24.8	29	7.9	119	16.3
65–69	170	55.2	65	18.8	235	36.0	81	26.3	21	6.1	102	15.6
70–74	137	64.8	48	18.1	185	38.8	85	40.2	22	8.3	107	22.5
75–79	61	40.2	58	26.5	119	32.1	33	21.8	30	13.7	63	17.0
80–84	37	47.9	21	15.7	58	27.5	17	22.0	20	14.9	37	17.5
85 and over	19	46.8	19	18.1	38	26.1	13	32.0	13	12.4	26	17.8
Total	1,082		401		1,483		450		169		619	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	12.9		4.8		8.8		5.4		2.0		3.7	
Conf. interval	12.1 – 13.6		4.3 – 5.2		8.4 – 9.3		4.9 – 5.8		1.7 – 2.3		3.4 – 4.0	
AS Rate	11.1		3.5		7.2		4.6		1.3		2.9	
Conf. interval	10.5 – 11.8		3.1 – 3.9		6.8 – 7.6		4.1 – 5.0		1.1 – 1.6		2.6 – 3.1	
Lifetime risk	1 in 72		1 in 247		1 in 114							
PYLL							4,269		1,298		5,568	
Per cent of all cancers	3.4		1.5		2.5		2.6		1.3		2.1	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	351	10.7	80	2.0	492	7.0	158	4.7	61	1.4	106	1.4
Vic	232	9.5	58	1.9	331	6.3	114	4.6	48	1.5	79	1.4
Qld	192	12.8	41	2.3	259	8.2	73	4.8	23	1.2	44	1.3
WA	79	9.9	16	1.7	107	6.4	42	5.3	15	1.5	27	1.6
SA	72	8.4	20	1.9	104	5.7	34	3.7	11	0.9	17	0.8
Tas	24	9.3	5	1.7	33	6.1	11	4.1	4	1.3	7	1.4
ACT	5	4.8	3	2.4	10	4.5	2	2.4	1	1.2	1	0.5
NT	10	20.5	2	5.5	13	15.8	3	7.0	2	4.8	2	1.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 18: Cancer of the oesophagus (ICD 150)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
35-39	6	0.9	1	0.2	7	0.5	2	0.3	1	0.2	3	0.2
40-44	8	1.3	1	0.2	9	0.7	10	1.6	1	0.2	11	0.9
45-49	16	3.3	4	0.9	20	2.1	22	4.5	1	0.2	23	2.4
50-54	35	8.6	5	1.3	40	5.0	30	7.4	5	1.3	35	4.4
55-59	49	13.2	14	3.9	63	8.6	54	14.5	14	3.9	68	9.3
60-64	77	21.2	29	7.9	106	14.5	65	17.9	30	8.1	95	13.0
65-69	96	31.2	43	12.4	139	21.3	103	33.5	37	10.7	140	21.4
70-74	84	39.7	36	13.6	120	25.2	90	42.6	50	18.9	140	29.4
75-79	64	42.2	43	19.7	107	28.9	73	48.1	42	19.2	115	31.1
80-84	31	40.2	48	35.8	79	37.4	41	53.1	42	31.3	83	39.3
85 and over	13	32.0	32	30.4	45	30.9	15	36.9	46	43.7	61	41.8
Total	480		257		737		505		269		774	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	5.7		3.0		4.4		6.0		3.2		4.6	
Conf. interval	5.2 – 6.2		2.7 – 3.4		4.1 – 4.7		5.5 – 6.5		2.8 – 3.6		4.3 – 4.9	
AS Rate	4.7		1.8		3.2		4.8		1.8		3.3	
Conf. interval	4.2 – 5.1		1.6 – 2.0		2.9 – 3.4		4.4 – 5.3		1.6 – 2.1		3.0 – 3.5	
Lifetime risk	1 in 168		1 in 495		1 in 256							
PYLL							3,799		1,124		4,922	
Per cent of all cancers	1.5		0.9		1.3		2.9		2.1		2.6	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	147	4.2	103	2.1	250	3.1	157	4.5	97	2.0	253	3.1
Vic	125	4.9	82	2.3	207	3.5	139	5.5	79	2.1	218	3.7
Qld	67	4.3	39	1.9	106	3.0	69	4.3	35	1.6	104	2.9
WA	33	4.0	20	1.8	53	2.9	37	4.5	19	1.6	56	3.0
SA	37	3.9	21	1.7	58	2.7	33	3.5	16	1.2	49	2.2
Tas	17	6.2	10	2.5	27	4.3	13	4.8	8	2.0	21	3.3
ACT	4	4.1	3	2.3	7	3.3	5	5.5	2	2.1	8	3.5
NT	3	5.5	1	2.4	4	4.1	2	3.9	0	0.4	2	2.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 19: Cancer of the stomach (ICD 151)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	1	0.1	2	0.3	3	0.2
30-34	7	1.0	9	1.3	16	1.2	7	1.0	2	0.3	9	0.7
35-39	16	2.5	10	1.5	26	2.0	7	1.1	5	0.8	12	0.9
40-44	21	3.4	13	2.2	34	2.8	10	1.6	13	2.2	23	1.9
45-49	48	9.9	18	3.9	66	7.0	15	3.1	13	2.8	28	3.0
50-54	62	15.3	30	7.7	92	11.6	42	10.4	18	4.6	60	7.6
55-59	79	21.2	38	10.5	117	16.0	58	15.6	21	5.8	79	10.8
60-64	144	39.7	46	12.5	190	26.0	103	28.4	33	9.0	136	18.6
65-69	166	53.9	80	23.2	246	37.7	116	37.7	59	17.1	175	26.8
70-74	171	80.9	108	40.8	279	58.6	115	54.4	83	31.3	198	41.6
75-79	173	114.1	107	49.0	280	75.6	135	89.0	87	39.8	222	60.0
80-84	134	173.6	81	60.5	215	101.8	121	156.8	65	48.5	186	88.1
85 and over	66	162.4	87	82.7	153	104.9	74	182.1	107	101.7	181	124.1
Total	1,088		628		1,716		804		508		1,312	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		12.9		7.5		10.2		9.6		6.0		7.8
Conf. interval		12.2 – 13.7		6.9 – 8.0		9.7 – 10.7		8.9 – 10.2		5.5 – 6.6		7.4 – 8.2
AS Rate		10.3		4.6		7.1		7.5		3.5		5.3
Conf. interval		9.6 – 10.9		4.2 – 5.0		6.8 – 7.5		7.0 – 8.0		3.2 – 3.8		5.0 – 5.5
Lifetime risk		1 in 88		1 in 193		1 in 123						
PYLL								4,940		2,733		7,674
Per cent of all cancers		3.4		2.3		2.9		4.7		3.9		4.4

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	387	11.0	222	4.7	609	7.5	280	7.8	183	3.7	463	5.5
Vic	328	12.7	184	5.2	512	8.6	248	9.5	147	4.0	396	6.4
Qld	177	10.6	87	4.2	264	7.1	128	7.6	66	3.0	194	5.0
WA	98	11.6	56	5.3	153	8.2	74	8.6	42	3.9	116	5.9
SA	107	11.5	56	4.4	163	7.6	85	9.1	44	3.2	129	5.8
Tas	36	12.5	22	5.8	58	8.8	29	10.0	18	4.3	47	6.8
ACT	10	10.2	7	5.6	17	7.6	9	8.8	5	4.0	14	6.2
NT	2	4.6	1	1.6	2	3.0	1	4.2	0	0.5	2	2.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 20: Cancer of the small intestine (ICD 152)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	1	0.1	1	0.2	2	0.1
25-29	2	0.3	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
30-34	2	0.3	1	0.1	3	0.2	0	0.0	0	0.0	0	0.0
35-39	2	0.3	3	0.5	5	0.4	0	0.0	0	0.0	0	0.0
40-44	4	0.6	4	0.7	8	0.7	1	0.2	0	0.0	1	0.1
45-49	6	1.2	3	0.7	9	1.0	2	0.4	1	0.2	3	0.3
50-54	4	1.0	6	1.5	10	1.3	1	0.2	3	0.8	4	0.5
55-59	10	2.7	5	1.4	15	2.0	4	1.1	1	0.3	5	0.7
60-64	12	3.3	6	1.6	18	2.5	9	2.5	3	0.8	12	1.6
65-69	16	5.2	8	2.3	24	3.7	4	1.3	4	1.2	8	1.2
70-74	9	4.3	6	2.3	15	3.1	4	1.9	7	2.6	11	2.3
75-79	8	5.3	8	3.7	16	4.3	5	3.3	4	1.8	9	2.4
80-84	6	7.8	7	5.2	13	6.2	2	2.6	2	1.5	4	1.9
85 and over	2	4.9	3	2.9	5	3.4	2	4.9	1	1.0	3	2.1
Total	83		60		143		35		27		62	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.0		0.7		0.8		0.4		0.3		0.4	
Conf. interval	0.8 – 1.2		0.5 – 0.9		0.7 – 1.0		0.3 – 0.6		0.2 – 0.4		0.3 – 0.5	
AS Rate	0.8		0.5		0.7		0.3		0.2		0.3	
Conf. interval	0.6 – 1.0		0.4 – 0.6		0.5 – 0.8		0.2 – 0.5		0.1 – 0.3		0.2 – 0.4	
Lifetime risk	1 in 1,043		1 in 1,806		1 in 1,339							
PYLL							331		230		560	
Per cent of all cancers	0.3		0.2		0.2		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	21	0.6	19	0.5	40	0.5	13	0.4	10	0.2	23	0.3
Vic	15	0.6	14	0.5	29	0.5	7	0.3	6	0.2	13	0.2
Qld	12	0.7	9	0.5	21	0.6	6	0.3	4	0.3	10	0.3
WA	6	0.7	5	0.5	10	0.6	2	0.3	2	0.2	4	0.2
SA	9	1.0	5	0.5	14	0.7	3	0.4	4	0.3	7	0.3
Tas	1	0.6	1	0.4	2	0.5	0	0.2	0	0.2	1	0.2
ACT	1	1.4	1	0.8	2	1.0	1	0.7	1	0.6	1	0.6
NT	1	1.9	0	0.5	1	1.2	0	0.2	0	0.5	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 21: Cancer of the colon (ICD 153)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
15-19	0	0.0	1	0.1	1	0.1	0	0.0	1	0.1	1	0.1
20-24	1	0.1	3	0.5	4	0.3	0	0.0	2	0.3	2	0.1
25-29	4	0.6	8	1.1	12	0.8	3	0.4	3	0.4	6	0.4
30-34	15	2.2	13	1.9	28	2.1	5	0.7	6	0.9	11	0.8
35-39	32	4.9	34	5.2	66	5.1	12	1.8	11	1.7	23	1.8
40-44	63	10.1	65	10.9	128	10.5	28	4.5	27	4.5	55	4.5
45-49	106	21.8	86	18.7	192	20.3	50	10.3	44	9.6	94	9.9
50-54	154	38.0	165	42.5	319	40.2	84	20.7	74	19.1	158	19.9
55-59	295	79.3	234	64.8	529	72.2	122	32.8	99	27.4	221	30.1
60-64	446	122.9	335	90.9	781	106.8	234	64.5	160	43.4	394	53.9
65-69	491	159.5	399	115.5	890	136.2	239	77.6	195	56.4	434	66.4
70-74	484	229.0	436	164.6	920	193.2	254	120.2	224	84.6	478	100.4
75-79	431	284.3	418	191.2	849	229.3	238	157.0	255	116.7	493	133.2
80-84	264	342.0	335	250.0	599	283.6	194	251.3	201	150.0	395	187.0
85 and over	126	310.1	274	260.4	400	274.3	122	300.3	251	238.6	373	255.8
Total	2,913		2,807		5,720		1,585		1,553		3,138	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		34.7		33.3		34.0		18.9		18.4		18.6
Conf. interval		33.4 - 35.9		32.1 - 34.5		33.1 - 34.9		17.9 - 19.8		17.5 - 19.3		18.0 - 19.3
AS Rate		27.9		21.9		24.6		15.1		11.4		13.0
Conf. interval		26.8 - 28.9		21.1 - 22.8		23.9 - 25.3		14.3 - 15.8		10.7 - 12.0		12.5 - 13.5
Lifetime risk		1 in 30		1 in 39		1 in 35						
PYLL								10,723		9,612		20,335
Per cent of all cancers		9.2		10.3		9.7		9.2		12.0		10.4

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	967	27.8	918	21.1	1,885	24.1	545	15.6	541	11.6	1,086	13.4
Vic	712	27.6	748	22.9	1,460	24.9	425	16.3	443	12.6	868	14.2
Qld	467	29.1	453	24.5	921	26.6	251	15.6	253	12.6	504	14.0
WA	208	25.2	207	20.8	416	22.8	124	15.0	123	11.7	248	13.2
SA	220	23.7	244	21.5	464	22.4	109	11.7	118	9.7	226	10.6
Tas	72	25.9	81	23.3	152	24.6	48	17.1	56	14.9	104	15.8
ACT	28	27.6	27	22.4	56	25.2	15	15.7	18	14.8	32	15.2
NT	6	16.6	6	17.7	13	16.7	3	8.5	3	7.9	6	8.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 22: Cancer of the rectum (ICD 154)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
20-24	0	0.0	3	0.5	3	0.2	0	0.0	1	0.2	1	0.1
25-29	4	0.6	3	0.4	7	0.5	0	0.0	0	0.0	0	0.0
30-34	7	1.0	11	1.6	18	1.3	0	0.0	2	0.3	2	0.1
35-39	20	3.1	18	2.8	38	2.9	6	0.9	2	0.3	8	0.6
40-44	41	6.6	31	5.2	72	5.9	13	2.1	2	0.3	15	1.2
45-49	74	15.2	52	11.3	126	13.3	16	3.3	14	3.0	30	3.2
50-54	132	32.5	72	18.6	204	25.7	31	7.6	19	4.9	50	6.3
55-59	190	51.0	103	28.5	293	40.0	61	16.4	27	7.5	88	12.0
60-64	302	83.2	151	41.0	453	62.0	86	23.7	46	12.5	132	18.1
65-69	295	95.8	172	49.8	467	71.5	116	37.7	46	13.3	162	24.8
70-74	301	142.4	206	77.8	507	106.4	100	47.3	48	18.1	148	31.1
75-79	226	149.1	159	72.7	385	104.0	89	58.7	68	31.1	157	42.4
80-84	121	156.8	125	93.3	246	116.5	62	80.3	46	34.3	108	51.1
85 and over	75	184.6	122	116.0	197	135.1	46	113.2	68	64.6	114	78.2
Total	1,788		1,229		3,017		626		389		1,015	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	21.3		14.6		17.9		7.4		4.6		6.0	
Conf. interval	20.3 – 22.3		13.8 – 15.4		17.3 – 18.6		6.9 – 8.0		4.2 – 5.1		5.7 – 6.4	
AS Rate	17.5		9.9		13.4		6.0		2.9		4.3	
Conf. interval	16.7 – 18.3		9.3 – 10.5		12.9 – 13.9		5.5 – 6.5		2.6 – 3.2		4.0 – 4.5	
Lifetime risk	1 in 47		1 in 85		1 in 61							
PYLL							4,327		2,379		6,707	
Per cent of all cancers	5.6		4.5		5.1		3.6		3.0		3.4	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	558	16.4	409	9.8	966	12.8	197	5.7	139	3.0	336	4.2
Vic	451	17.8	325	10.3	777	13.8	188	7.2	130	3.7	317	5.3
Qld	233	14.8	163	8.8	396	11.6	88	5.5	51	2.4	139	3.8
WA	128	15.6	98	10.5	226	12.8	50	5.8	34	3.3	84	4.4
SA	161	17.8	110	10.2	271	13.7	70	7.7	48	4.2	118	5.7
Tas	42	15.0	36	11.2	77	12.9	16	5.7	13	3.4	29	4.5
ACT	17	17.3	13	10.9	30	13.7	6	6.7	3	2.8	10	4.4
NT	4	9.3	1	3.3	5	6.5	2	5.8	1	3.1	3	4.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 23: Cancer of the colon and rectum (153–154)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
15–19	0	0.0	2	0.3	2	0.1	0	0.0	1	0.1	1	0.1
20–24	1	0.1	6	0.9	7	0.5	0	0.0	3	0.5	3	0.2
25–29	8	1.1	11	1.6	19	1.3	3	0.4	3	0.4	6	0.4
30–34	22	3.2	24	3.5	46	3.4	5	0.7	8	1.2	13	1.0
35–39	52	8.0	52	8.0	104	8.0	18	2.8	13	2.0	31	2.4
40–44	104	16.7	96	16.1	200	16.4	41	6.6	29	4.9	70	5.7
45–49	180	37.0	138	30.0	318	33.6	66	13.6	58	12.6	124	13.1
50–54	286	70.5	237	61.1	523	65.9	115	28.4	93	24.0	208	26.2
55–59	485	130.3	337	93.4	822	112.1	183	49.2	126	34.9	309	42.2
60–64	748	206.1	486	131.9	1,234	168.8	320	88.2	206	55.9	526	71.9
65–69	786	255.3	571	165.3	1,357	207.7	355	115.3	241	69.8	596	91.2
70–74	785	371.4	642	242.3	1,427	299.6	354	167.5	272	102.7	626	131.4
75–79	657	433.3	577	264.0	1,234	333.3	327	215.7	323	147.8	650	175.6
80–84	385	498.8	460	343.3	845	400.1	256	331.6	247	184.3	503	238.2
85 and over	201	494.7	396	376.4	597	409.3	168	413.5	319	303.2	487	333.9
Total	4,701		4,036		8,737		2,211		1,942		4,153	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	55.9		47.9		51.9		26.3		23.0		24.7	
Conf. interval	54.3 – 57.5		46.4 – 49.4		50.8 – 53.0		25.2 – 27.4		22.0 – 24.1		23.9 – 25.4	
AS Rate	45.4		31.8		38.0		21.1		14.2		17.2	
Conf. interval	44.1 – 46.7		30.8 – 32.9		37.2 – 38.8		20.2 – 22.0		13.5 – 14.9		16.7 – 17.8	
Lifetime risk	1 in 19		1 in 27		1 in 22							
PYLL							15,088		12,007		27,095	
Per cent of all cancers	14.8		14.9		14.8		12.9		15.0		13.8	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,525	44.2	1,326	30.9	2,851	36.9	742	21.3	680	14.6	1,423	17.5
Vic	1,164	45.4	1,073	33.2	2,237	38.7	613	23.5	572	16.3	1,185	19.5
Qld	701	43.9	616	33.2	1,317	38.2	339	21.0	304	15.0	644	17.9
WA	336	40.8	305	31.3	641	35.6	174	20.8	157	15.0	332	17.6
SA	381	41.6	354	31.7	735	36.1	179	19.4	166	13.9	344	16.3
Tas	113	40.9	116	34.5	230	37.5	64	22.8	69	18.3	133	20.4
ACT	45	44.8	40	33.2	86	38.9	21	22.5	21	17.6	42	19.7
NT	11	25.9	8	21.0	18	23.2	5	14.3	4	11.0	9	12.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 24: Cancer of the liver and intrahepatic bile ducts (ICD 155)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	3	0.5	1	0.2	4	0.3	0	0.0	2	0.3	2	0.2
5-9	0	0.0	2	0.3	2	0.2	0	0.0	0	0.0	0	0.0
10-14	0	0.0	2	0.3	2	0.2	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
25-29	2	0.3	1	0.1	3	0.2	1	0.1	1	0.1	2	0.1
30-34	6	0.9	1	0.1	7	0.5	5	0.7	2	0.3	7	0.5
35-39	7	1.1	1	0.2	8	0.6	3	0.5	3	0.5	6	0.5
40-44	7	1.1	3	0.5	10	0.8	7	1.1	4	0.7	11	0.9
45-49	8	1.6	4	0.9	12	1.3	11	2.3	4	0.9	15	1.6
50-54	14	3.5	5	1.3	19	2.4	10	2.5	7	1.8	17	2.1
55-59	28	7.5	7	1.9	35	4.8	22	5.9	13	3.6	35	4.8
60-64	45	12.4	12	3.3	57	7.8	54	14.9	11	3.0	65	8.9
65-69	46	14.9	12	3.5	58	8.9	55	17.9	17	4.9	72	11.0
70-74	37	17.5	12	4.5	49	10.3	52	24.6	19	7.2	71	14.9
75-79	25	16.5	7	3.2	32	8.6	30	19.8	21	9.6	51	13.8
80-84	15	19.4	6	4.5	21	9.9	20	25.9	13	9.7	33	15.6
85 and over	3	7.4	4	3.8	7	4.8	6	14.8	9	8.6	15	10.3
Total	248		81		329		276		126		402	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.0		1.0		2.0		3.3		1.5		2.4	
Conf. interval	2.6 – 3.3		0.8 – 1.2		1.7 – 2.2		2.9 – 3.7		1.2 – 1.8		2.2 – 2.6	
AS Rate	2.5		0.7		1.6		2.7		1.0		1.8	
Conf. interval	2.1 – 2.8		0.6 – 0.9		1.4 – 1.7		2.3 – 3.0		0.8 – 1.2		1.6 – 2.0	
Lifetime risk	1 in 325		1 in 1,157		1 in 521							
PYLL							2,350		1,227		3,576	
Per cent of all cancers	0.8		0.3		0.6		1.6		1.0		1.3	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	69	2.0	26	0.7	95	1.3	85	2.5	45	1.0	130	1.7
Vic	66	2.6	22	0.7	89	1.6	73	2.8	33	1.0	106	1.8
Qld	39	2.5	16	1.0	55	1.7	32	2.0	16	0.9	48	1.4
WA	19	2.3	7	0.7	26	1.5	20	2.4	6	0.7	26	1.5
SA	15	1.7	6	0.7	22	1.1	17	1.8	10	1.0	28	1.4
Tas	6	2.0	1	0.4	7	1.1	7	2.5	3	1.0	10	1.7
ACT	2	2.1	1	1.1	4	1.6	2	3.0	1	0.8	3	1.6
NT	3	8.2	2	5.2	4	6.6	3	8.7	2	5.2	5	7.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 25: Cancer of the gallbladder and extrahepatic bile ducts (ICD 156)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	2	0.3	2	0.1	0	0.0	1	0.1	1	0.1
35-39	0	0.0	2	0.3	2	0.2	2	0.3	0	0.0	2	0.2
40-44	6	1.0	7	1.2	13	1.1	0	0.0	1	0.2	1	0.1
45-49	6	1.2	7	1.5	13	1.4	2	0.4	6	1.3	8	0.8
50-54	9	2.2	16	4.1	25	3.2	4	1.0	7	1.8	11	1.4
55-59	17	4.6	23	6.4	40	5.5	13	3.5	15	4.2	28	3.8
60-64	33	9.1	24	6.5	57	7.8	16	4.4	21	5.7	37	5.1
65-69	25	8.1	34	9.8	59	9.0	16	5.2	18	5.2	34	5.2
70-74	31	14.7	48	18.1	79	16.6	22	10.4	36	13.6	58	12.2
75-79	33	21.8	48	22.0	81	21.9	25	16.5	44	20.1	69	18.6
80-84	20	25.9	39	29.1	59	27.9	24	31.1	28	20.9	52	24.6
85 and over	13	32.0	31	29.5	44	30.2	7	17.2	26	24.7	33	22.6
Total	193		282		475		131		203		334	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.3		3.3		2.8		1.6		2.4		2.0	
Conf. interval	2.0 – 2.6		3.0 – 3.7		2.6 – 3.1		1.3 – 1.8		2.1 – 2.7		1.8 – 2.2	
AS Rate	1.8		2.1		2.0		1.2		1.4		1.3	
Conf. interval	1.6 – 2.1		1.8 – 2.4		1.8 – 2.2		1.0 – 1.4		1.2 – 1.7		1.2 – 1.5	
Lifetime risk	1 in 490		1 in 414		1 in 447							
PYLL							704		1,047		1,751	
Per cent of all cancers	0.6		1.0		0.8		0.8		1.6		1.1	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	69	2.0	92	2.0	161	2.0	40	1.1	66	1.4	106	1.3
Vic	49	1.9	78	2.3	127	2.1	31	1.1	59	1.6	90	1.4
Qld	24	1.5	41	2.1	65	1.8	18	1.1	33	1.6	51	1.4
WA	18	2.1	17	1.7	35	1.9	12	1.4	12	1.2	24	1.3
SA	19	2.0	33	2.5	52	2.3	14	1.5	22	1.6	37	1.6
Tas	3	0.9	8	2.3	11	1.6	3	0.9	6	1.6	9	1.3
ACT	1	1.2	4	3.3	5	2.4	1	1.5	2	1.9	4	1.8
NT	1	2.0	1	2.0	1	1.9	0	0.8	1	3.5	2	2.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 26: Cancer of the pancreas (ICD 157)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	3	0.4	3	0.2	0	0.0	0	0.0	0	0.0
30-34	4	0.6	2	0.3	6	0.4	3	0.4	0	0.0	3	0.2
35-39	6	0.9	4	0.6	10	0.8	7	1.1	3	0.5	10	0.8
40-44	17	2.7	2	0.3	19	1.6	10	1.6	5	0.8	15	1.2
45-49	15	3.1	11	2.4	26	2.8	17	3.5	10	2.2	27	2.9
50-54	38	9.4	25	6.4	63	7.9	45	11.1	15	3.9	60	7.6
55-59	64	17.2	44	12.2	108	14.7	64	17.2	41	11.4	105	14.3
60-64	90	24.8	58	15.7	148	20.2	93	25.6	60	16.3	153	20.9
65-69	141	45.8	94	27.2	235	36.0	129	41.9	101	29.2	230	35.2
70-74	130	61.5	109	41.1	239	50.2	131	62.0	118	44.5	249	52.3
75-79	100	66.0	104	47.6	204	55.1	125	82.4	142	65.0	267	72.1
80-84	64	82.9	84	62.7	148	70.1	69	89.4	89	66.4	158	74.8
85 and over	35	86.1	62	58.9	97	66.5	41	100.9	86	81.7	127	87.1
Total	705		602		1,307		734		670		1,404	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	8.4		7.1		7.8		8.7		7.9		8.3	
Conf. interval	7.8 – 9.0		6.6 – 7.7		7.3 – 8.2		8.1 – 9.4		7.3 – 8.6		7.9 – 8.8	
AS Rate	6.7		4.4		5.5		6.9		4.7		5.7	
Conf. interval	6.2 – 7.2		4.0 – 4.8		5.2 – 5.8		6.4 – 7.4		4.3 – 5.0		5.4 – 6.0	
Lifetime risk	1 in 121		1 in 188		1 in 149							
PYLL							4,955		3,111		8,066	
Per cent of all cancers	2.2		2.2		2.2		4.3		5.2		4.7	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	252	7.1	226	4.8	477	5.8	252	7.1	229	4.7	482	5.8
Vic	186	7.1	180	5.1	366	6.0	183	7.0	178	5.0	362	5.9
Qld	93	5.7	76	3.9	168	4.7	101	6.1	84	4.1	185	5.1
WA	49	6.0	43	4.1	92	5.0	54	6.5	46	4.3	100	5.3
SA	65	7.0	55	4.5	121	5.6	65	7.0	55	4.3	121	5.5
Tas	15	5.5	18	4.9	33	5.3	15	5.3	18	4.8	33	5.1
ACT	6	6.7	6	4.7	12	5.6	7	7.7	5	3.9	11	5.5
NT	1	4.1	2	6.2	4	5.1	2	4.6	2	5.8	4	5.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 27: Cancer of the retroperitoneum and peritoneum (ICD 158)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1
15-19	0	0.0	2	0.3	2	0.1	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	1	0.1	1	0.1	2	0.1	0	0.0	0	0.0	0	0.0
30-34	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
35-39	1	0.2	0	0.0	1	0.1	1	0.2	0	0.0	1	0.1
40-44	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
45-49	2	0.4	3	0.7	5	0.5	0	0.0	0	0.0	0	0.0
50-54	4	1.0	2	0.5	6	0.8	1	0.2	1	0.3	2	0.3
55-59	3	0.8	3	0.8	6	0.8	0	0.0	2	0.6	2	0.3
60-64	4	1.1	6	1.6	10	1.4	5	1.4	0	0.0	5	0.7
65-69	6	1.9	2	0.6	8	1.2	4	1.3	6	1.7	10	1.5
70-74	6	2.8	8	3.0	14	2.9	1	0.5	3	1.1	4	0.8
75-79	6	4.0	2	0.9	8	2.2	9	5.9	4	1.8	13	3.5
80-84	1	1.3	3	2.2	4	1.9	2	2.6	5	3.7	7	3.3
85 and over	1	2.5	1	1.0	2	1.4	1	2.5	3	2.9	4	2.7
Total	39		34		73		25		24		49	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		0.5		0.4		0.4		0.3		0.3		0.3
Conf. interval		0.3-0.6		0.3-0.5		0.3-0.5		0.2-0.4		0.2-0.4		0.2-0.4
AS Rate		0.4		0.3		0.3		0.2		0.2		0.2
Conf. interval		0.3-0.5		0.2-0.4		0.3-0.4		0.1-0.3		0.1-0.2		0.1-0.2
Lifetime risk		1 in 2,220		1 in 2,556		1 in 2,383						
PYLL								190		100		290
Per cent of all cancers		0.1		0.1		0.1		0.1		0.2		0.2

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	15	0.4	9	0.2	24	0.3	9	0.3	8	0.2	17	0.2
Vic	8	0.3	10	0.4	18	0.4	4	0.1	6	0.2	10	0.2
Qld	4	0.3	7	0.4	11	0.3	5	0.3	3	0.2	8	0.2
WA	4	0.5	4	0.4	8	0.5	2	0.3	1	0.1	4	0.2
SA	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	2	0.1
Tas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.1	0	0.1
ACT	1	0.5	1	0.9	2	0.7	0	0.1	0	0.2	0	0.2
NT	0	0.4	0	0.8	1	0.5	0	0.2	0	0.0	0	0.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 28: Cancer of unspecified digestive organs (ICD 159)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	2	0.1
35-39	1	0.2	0	0.0	1	0.1	1	0.2	0	0.0	1	0.1
40-44	0	0.0	2	0.3	2	0.2	1	0.2	2	0.3	3	0.2
45-49	1	0.2	2	0.4	3	0.3	3	0.6	2	0.4	5	0.5
50-54	3	0.7	3	0.8	6	0.8	6	1.5	0	0.0	6	0.8
55-59	1	0.3	3	0.8	4	0.5	9	2.4	6	1.7	15	2.0
60-64	10	2.8	2	0.5	12	1.6	16	4.4	9	2.4	25	3.4
65-69	6	1.9	6	1.7	12	1.8	21	6.8	18	5.2	39	6.0
70-74	11	5.2	13	4.9	24	5.0	10	4.7	25	9.4	35	7.3
75-79	5	3.3	9	4.1	14	3.8	23	15.2	21	9.6	44	11.9
80-84	9	11.7	9	6.7	18	8.5	9	11.7	19	14.2	28	13.3
85 and over	8	19.7	14	13.3	22	15.1	16	39.4	31	29.5	47	32.2
Total	55		63		118		116		134		250	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.7		0.7		0.7		1.4		1.6		1.5	
Conf. interval	0.5 – 0.8		0.6 – 0.9		0.6 – 0.8		1.1 – 1.6		1.3 – 1.9		1.3 – 1.7	
AS Rate	0.5		0.4		0.5		1.1		0.9		1.0	
Conf. interval	0.4 – 0.7		0.3 – 0.5		0.4 – 0.6		0.9 – 1.3		0.7 – 1.0		0.9 – 1.1	
Lifetime risk	1 in 1,774		1 in 2,092		1 in 1,928							
PYLL							745		528		1,273	
Per cent of all cancers	0.2		0.2		0.2		0.7		1.0		0.8	

Average annual numbers and rates by State and Territory 1985-1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	16	0.5	23	0.5	40	0.5	27	0.7	39	0.8	66	0.8
Vic	12	0.4	15	0.3	26	0.4	28	1.1	33	0.9	60	1.0
Qld	4	0.2	6	0.2	9	0.2	14	0.9	14	0.7	28	0.8
WA	1	0.1	1	0.1	2	0.1	9	1.1	8	0.7	17	0.9
SA	17	1.8	22	1.6	39	1.7	17	1.8	20	1.5	37	1.6
Tas	0	0.0	0	0.0	0	0.0	2	0.8	3	0.8	5	0.8
ACT	0	0.3	0	0.1	1	0.2	1	0.9	0	0.2	1	0.5
NT	1	2.3	0	0.0	1	1.1	1	3.9	1	2.4	2	3.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 29: Cancer of the nasal cavities, middle ear and accessory sinuses (ICD 160)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	2	0.3	2	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
35-39	4	0.6	2	0.3	6	0.5	0	0.0	1	0.2	1	0.1
40-44	3	0.5	3	0.5	6	0.5	1	0.2	3	0.5	4	0.3
45-49	7	1.4	1	0.2	8	0.8	3	0.6	0	0.0	3	0.3
50-54	3	0.7	5	1.3	8	1.0	2	0.5	1	0.3	3	0.4
55-59	9	2.4	1	0.3	10	1.4	3	0.8	0	0.0	3	0.4
60-64	15	4.1	6	1.6	21	2.9	5	1.4	1	0.3	6	0.8
65-69	11	3.6	2	0.6	13	2.0	6	1.9	2	0.6	8	1.2
70-74	4	1.9	3	1.1	7	1.5	3	1.4	1	0.4	4	0.8
75-79	5	3.3	3	1.4	8	2.2	2	1.3	1	0.5	3	0.8
80-84	4	5.2	3	2.2	7	3.3	4	5.2	1	0.7	5	2.4
85 and over	2	4.9	1	1.0	3	2.1	1	2.5	1	1.0	2	1.4
Total	68		33		101		30		12		42	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.8		0.4		0.6		0.4		0.1		0.2	
Conf. interval	0.6 – 1.0		0.3 – 0.5		0.5 – 0.7		0.2 – 0.5		0.1 – 0.2		0.2 – 0.3	
AS Rate	0.7		0.3		0.5		0.3		0.1		0.2	
Conf. interval	0.5 – 0.9		0.2 – 0.4		0.4 – 0.6		0.2 – 0.4		0.0 – 0.2		0.1 – 0.3	
Lifetime risk	1 in 1,297		1 in 3,141		1 in 1,854							
PYLL							280		173		452	
Per cent of all cancers	0.2		0.1		0.2		0.2		0.1		0.1	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	23	0.7	10	0.2	34	0.5	9	0.3	6	0.1	14	0.2
Vic	17	0.7	9	0.3	26	0.5	7	0.3	4	0.1	10	0.2
Qld	9	0.6	6	0.3	15	0.5	5	0.3	2	0.1	7	0.2
WA	6	0.8	3	0.3	9	0.5	2	0.3	1	0.1	3	0.2
SA	6	0.6	2	0.3	8	0.4	1	0.1	1	0.1	2	0.1
Tas	4	1.6	1	0.5	5	1.0	2	0.8	0	0.2	2	0.5
ACT	1	0.6	0	0.1	1	0.3	0	0.1	0	0.0	0	0.1
NT	0	0.2	0	0.0	0	0.1	0	0.2	0	0.9	1	0.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 30: Cancer of the larynx (ICD 161)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
35-39	2	0.3	2	0.3	4	0.3	1	0.2	0	0.0	1	0.1
40-44	13	2.1	0	0.0	13	1.1	4	0.6	0	0.0	4	0.3
45-49	27	5.6	1	0.2	28	3.0	8	1.6	0	0.0	8	0.8
50-54	52	12.8	5	1.3	57	7.2	17	4.2	0	0.0	17	2.1
55-59	86	23.1	11	3.0	97	13.2	30	8.1	1	0.3	31	4.2
60-64	118	32.5	9	2.4	127	17.4	46	12.7	7	1.9	53	7.2
65-69	87	28.3	13	3.8	100	15.3	40	13.0	5	1.4	45	6.9
70-74	67	31.7	14	5.3	81	17.0	25	11.8	7	2.6	32	6.7
75-79	58	38.3	7	3.2	65	17.6	20	13.2	3	1.4	23	6.2
80-84	17	22.0	7	5.2	24	11.4	14	18.1	2	1.5	16	7.6
85 and over	5	12.3	1	1.0	6	4.1	7	17.2	1	1.0	8	5.5
Total	532		71		603		212		26		238	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	6.3		0.8		3.6		2.5		0.3		1.4	
Conf. interval	5.8 – 6.9		0.6 – 1.0		3.3 – 3.9		2.2 – 2.9		0.2 – 0.4		1.2 – 1.6	
AS Rate	5.4		0.6		2.9		2.1		0.2		1.1	
Conf. interval	4.9 – 5.8		0.5 – 0.8		2.7 – 3.1		1.8 – 2.4		0.1 – 0.3		1.0 – 1.3	
Lifetime risk	1 in 147		1 in 1,212		1 in 269							
PYLL							1,904		146		2,049	
Per cent of all cancers	1.7		0.3		1.0		1.2		0.2		0.8	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	188	5.6	24	0.6	212	3.0	80	2.3	10	0.2	91	1.2
Vic	121	5.0	19	0.7	140	2.7	53	2.2	7	0.2	60	1.1
Qld	94	6.2	10	0.6	104	3.3	31	2.0	4	0.2	35	1.1
WA	33	4.1	5	0.6	38	2.3	15	1.9	2	0.2	17	1.0
SA	44	5.0	5	0.5	49	2.6	13	1.4	2	0.2	15	0.8
Tas	13	5.1	1	0.4	15	2.6	6	2.2	1	0.4	7	1.2
ACT	5	5.4	0	0.4	6	2.7	2	1.6	0	0.2	2	0.8
NT	3	6.8	0	0.0	3	3.7	2	4.4	0	0.0	2	2.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 31: Cancer of the trachea, bronchus and lung (ICD 162)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
10-14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
25-29	2	0.3	2	0.3	4	0.3	1	0.1	1	0.1	2	0.1
30-34	8	1.2	10	1.5	18	1.3	6	0.9	3	0.4	9	0.7
35-39	16	2.5	23	3.5	39	3.0	11	1.7	10	1.5	21	1.6
40-44	61	9.8	44	7.4	105	8.6	55	8.8	40	6.7	95	7.8
45-49	145	29.8	78	17.0	223	23.6	129	26.5	54	11.8	183	19.4
50-54	265	65.3	107	27.6	372	46.9	211	52.0	81	20.9	292	36.8
55-59	471	126.5	171	47.4	642	87.6	399	107.2	148	41.0	547	74.6
60-64	838	230.9	281	76.3	1,119	153.0	718	197.9	231	62.7	949	129.8
65-69	1,041	338.1	306	88.6	1,347	206.2	971	315.4	271	78.4	1,242	190.1
70-74	898	424.9	310	117.0	1,208	253.6	867	410.2	315	118.9	1,182	248.2
75-79	700	461.7	236	108.0	936	252.8	735	484.8	210	96.1	945	255.3
80-84	375	485.8	136	101.5	511	242.0	432	559.7	147	109.7	579	274.2
85 and over	141	347.0	73	69.4	214	146.7	189	465.2	73	69.4	262	179.6
Total	4,963		1,780		6,743		4,724		1,584		6,308	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	59.0		21.1		40.1		56.2		18.8		37.5	
Conf. interval	57.4 – 60.7		20.1 – 22.1		39.1 – 41.0		54.6 – 57.8		17.9 – 19.7		36.5 – 38.4	
AS Rate	47.6		15.1		29.9		44.7		13.0		27.3	
Conf. interval	46.3 – 49.0		14.3 – 15.8		29.2 – 30.7		43.4 – 46.0		12.3 – 13.7		26.6 – 28.0	
Lifetime risk	1 in 17		1 in 52		1 in 26							
PYLL							31,420		12,337		43,757	
Per cent of all cancers	15.6		6.6		11.4		27.5		12.2		20.9	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,732	49.2	574	14.1	2,306	30.0	1,634	46.0	513	12.1	2,148	27.3
Vic	1,264	49.1	443	14.9	1,706	30.2	1,171	45.0	390	12.5	1,561	26.9
Qld	820	51.4	225	13.2	1,045	31.1	754	46.5	184	10.4	938	27.0
WA	426	51.8	149	16.0	575	32.5	377	45.3	131	13.7	508	28.1
SA	431	46.0	139	13.2	569	28.0	379	40.1	116	10.7	495	23.9
Tas	150	54.2	55	18.4	205	34.6	136	48.6	44	14.4	181	29.9
ACT	41	44.2	16	14.0	58	26.9	36	38.9	17	14.7	53	24.9
NT	25	59.4	6	15.9	31	39.5	24	57.3	7	21.2	31	40.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 32: Cancer of the pleura (ICD 163)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	2	0.3	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
35-39	0	0.0	3	0.5	3	0.2	1	0.2	0	0.0	1	0.1
40-44	7	1.1	4	0.7	11	0.9	2	0.3	2	0.3	4	0.3
45-49	8	1.6	2	0.4	10	1.1	3	0.6	1	0.2	4	0.4
50-54	15	3.7	6	1.5	21	2.6	8	2.0	3	0.8	11	1.4
55-59	19	5.1	3	0.8	22	3.0	18	4.8	1	0.3	19	2.6
60-64	46	12.7	8	2.2	54	7.4	20	5.5	1	0.3	21	2.9
65-69	36	11.7	4	1.2	40	6.1	18	5.8	2	0.6	20	3.1
70-74	39	18.5	3	1.1	42	8.8	22	10.4	0	0.0	22	4.6
75-79	33	21.8	4	1.8	37	10.0	15	9.9	4	1.8	19	5.1
80-84	15	19.4	8	6.0	23	10.9	7	9.1	0	0.0	7	3.3
85 and over	9	22.2	3	2.9	12	8.2	6	14.8	0	0.0	6	4.1
Total	229		48		277		120		14		134	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.7		0.6		1.6		1.4		0.2		0.8	
Conf. interval	2.4 – 3.1		0.4 – 0.7		1.5 – 1.8		1.2 – 1.7		0.1 – 0.3		0.7 – 0.9	
AS Rate	2.2		0.4		1.2		1.2		0.1		0.6	
Conf. interval	1.9 – 2.5		0.3 – 0.5		1.1 – 1.4		1.0 – 1.4		0.1 – 0.2		0.5 – 0.7	
Lifetime risk	1 in 366		1 in 2,378		1 in 660							
PYLL							956		188		1,144	
Per cent of all cancers	0.7		0.2		0.5		0.7		0.1		0.4	

Average annual numbers and rates by State and Territory 1985-1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	72	2.1	11	0.3	83	1.1	26	0.7	4	0.1	30	0.4
Vic	41	1.6	6	0.2	47	0.9	15	0.6	2	0.1	16	0.3
Qld	30	1.8	4	0.2	33	1.0	12	0.8	1	0.1	14	0.4
WA	27	3.3	4	0.4	31	1.8	20	2.5	2	0.2	22	1.3
SA	25	2.8	4	0.4	29	1.5	17	1.9	3	0.3	21	1.1
Tas	2	0.8	0	0.1	2	0.4	1	0.5	1	0.2	2	0.4
ACT	0	0.3	1	0.6	1	0.5	0	0.4	1	0.4	1	0.4
NT	1	1.3	0	0.0	1	0.7	0	1.3	0	0.0	0	0.7

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 33: Cancer of thymus, heart, mediastinum & other respiratory organs (ICD 164–165)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	3	0.5	2	0.3	5	0.4	0	0.0	1	0.2	1	0.1
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	0	0.0	1	0.2	1	0.1	1	0.2	1	0.2	2	0.2
15–19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20–24	1	0.1	0	0.0	1	0.1	0	0.0	1	0.2	1	0.1
25–29	2	0.3	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
30–34	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
35–39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40–44	2	0.3	1	0.2	3	0.2	3	0.5	0	0.0	3	0.2
45–49	3	0.6	1	0.2	4	0.4	2	0.4	1	0.2	3	0.3
50–54	3	0.7	4	1.0	7	0.9	1	0.2	0	0.0	1	0.1
55–59	2	0.5	2	0.6	4	0.5	1	0.3	2	0.6	3	0.4
60–64	4	1.1	0	0.0	4	0.5	2	0.6	2	0.5	4	0.5
65–69	3	1.0	2	0.6	5	0.8	1	0.3	2	0.6	3	0.5
70–74	5	2.4	0	0.0	5	1.0	2	0.9	2	0.8	4	0.8
75–79	0	0.0	2	0.9	2	0.5	0	0.0	0	0.0	0	0.0
80–84	1	1.3	0	0.0	1	0.5	2	2.6	1	0.7	3	1.4
85 and over	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	30		16		46		15		13		28	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.4		0.2		0.3		0.2		0.2		0.2	
Conf. interval	0.2 – 0.5		0.1 – 0.3		0.2 – 0.4		0.1 – 0.3		0.1 – 0.2		0.1 – 0.2	
AS Rate	0.3		0.2		0.3		0.2		0.1		0.1	
Conf. interval	0.2 – 0.5		0.1 – 0.3		0.2 – 0.3		0.1 – 0.2		0.1 – 0.2		0.1 – 0.2	
Lifetime risk	1 in 2,600		1 in 6,261		1 in 3,772							
PYLL							254		278		532	
Per cent of all cancers	0.1		0.1		0.1		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	10	0.3	6	0.2	15	0.2	6	0.2	5	0.1	11	0.2
Vic	7	0.3	3	0.1	11	0.2	3	0.1	2	0.1	5	0.1
Qld	6	0.4	3	0.2	9	0.3	4	0.3	2	0.1	6	0.2
WA	3	0.3	2	0.2	4	0.3	2	0.2	1	0.1	3	0.1
SA	1	0.1	2	0.2	3	0.2	2	0.2	2	0.2	3	0.2
Tas	1	0.6	0	0.2	2	0.4	0	0.1	0	0.1	0	0.1
ACT	0	0.3	0	0.0	0	0.1	0	0.1	0	0.0	0	0.1
NT	0	0.2	1	0.9	1	0.5	0	0.2	0	0.0	0	0.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 34: Cancer of the bone and articular cartilage (ICD 170)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
5-9	1	0.2	4	0.7	5	0.4	1	0.2	0	0.0	1	0.1
10-14	8	1.3	11	1.8	19	1.5	3	0.5	0	0.0	3	0.2
15-19	18	2.5	10	1.4	28	2.0	6	0.8	2	0.3	8	0.6
20-24	3	0.4	2	0.3	5	0.4	4	0.6	1	0.2	5	0.4
25-29	5	0.7	1	0.1	6	0.4	6	0.8	0	0.0	6	0.4
30-34	10	1.5	4	0.6	14	1.0	2	0.3	0	0.0	2	0.1
35-39	5	0.8	1	0.2	6	0.5	3	0.5	2	0.3	5	0.4
40-44	3	0.5	4	0.7	7	0.6	0	0.0	1	0.2	1	0.1
45-49	5	1.0	1	0.2	6	0.6	3	0.6	2	0.4	5	0.5
50-54	1	0.2	3	0.8	4	0.5	3	0.7	0	0.0	3	0.4
55-59	6	1.6	1	0.3	7	1.0	3	0.8	1	0.3	4	0.5
60-64	7	1.9	4	1.1	11	1.5	4	1.1	0	0.0	4	0.5
65-69	4	1.3	0	0.0	4	0.6	4	1.3	3	0.9	7	1.1
70-74	1	0.5	3	1.1	4	0.8	8	3.8	4	1.5	12	2.5
75-79	9	5.9	4	1.8	13	3.5	7	4.6	2	0.9	9	2.4
80-84	2	2.6	4	3.0	6	2.8	1	1.3	12	9.0	13	6.2
85 and over	1	2.5	2	1.9	3	2.1	2	4.9	4	3.8	6	4.1
Total	91		60		151		60		34		94	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.1		0.7		0.9		0.7		0.4		0.6	
Conf. interval	0.9 - 1.3		0.5 - 0.9		0.8 - 1.0		0.5 - 0.9		0.3 - 0.5		0.4 - 0.7	
AS Rate	1.0		0.7		0.8		0.6		0.2		0.4	
Conf. interval	0.8 - 1.2		0.5 - 0.9		0.7 - 1.0		0.5 - 0.8		0.1 - 0.3		0.3 - 0.5	
Lifetime risk	1 in 1,366		1 in 2,117		1 in 1,658							
PYLL							1,420		354		1,774	
Per cent of all cancers	0.3		0.2		0.3		0.3		0.3		0.3	

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	31	1.0	21	0.7	51	0.8	23	0.7	16	0.4	39	0.6
Vic	22	1.0	16	0.7	39	0.8	16	0.7	13	0.4	30	0.6
Qld	15	1.1	7	0.5	23	0.8	8	0.5	6	0.3	14	0.4
WA	7	0.9	8	1.0	15	1.0	2	0.3	2	0.2	5	0.3
SA	7	0.9	6	0.8	12	0.8	2	0.3	4	0.4	6	0.4
Tas	1	0.6	1	0.3	2	0.5	1	0.5	1	0.2	2	0.4
ACT	1	0.7	1	0.8	2	0.8	1	0.5	1	0.6	1	0.6
NT	1	1.1	0	0.2	1	0.7	0	0.7	0	1.2	1	0.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 35: Cancer of the connective and other soft tissue (ICD 171)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	7	1.1	10	1.7	17	1.4	0	0.0	0	0.0	0	0.0
5-9	2	0.3	3	0.5	5	0.4	5	0.8	1	0.2	6	0.5
10-14	5	0.8	6	1.0	11	0.9	2	0.3	1	0.2	3	0.2
15-19	6	0.8	7	1.0	13	0.9	3	0.4	1	0.1	4	0.3
20-24	12	1.8	6	0.9	18	1.3	1	0.1	2	0.3	3	0.2
25-29	24	3.3	8	1.1	32	2.3	5	0.7	3	0.4	8	0.6
30-34	24	3.5	11	1.6	35	2.6	5	0.7	2	0.3	7	0.5
35-39	23	3.5	7	1.1	30	2.3	4	0.6	3	0.5	7	0.5
40-44	16	2.6	7	1.2	23	1.9	3	0.5	4	0.7	7	0.6
45-49	14	2.9	12	2.6	26	2.8	6	1.2	5	1.1	11	1.2
50-54	19	4.7	7	1.8	26	3.3	6	1.5	0	0.0	6	0.8
55-59	16	4.3	15	4.2	31	4.2	7	1.9	3	0.8	10	1.4
60-64	25	6.9	15	4.1	40	5.5	12	3.3	6	1.6	18	2.5
65-69	25	8.1	11	3.2	36	5.5	12	3.9	8	2.3	20	3.1
70-74	19	9.0	31	11.7	50	10.5	10	4.7	6	2.3	16	3.4
75-79	29	19.1	19	8.7	48	13.0	7	4.6	7	3.2	14	3.8
80-84	15	19.4	10	7.5	25	11.8	6	7.8	6	4.5	12	5.7
85 and over	17	41.8	6	5.7	23	15.8	3	7.4	9	8.6	12	8.2
Total	298		191		489		97		67		164	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		3.5		2.3		2.9		1.2		0.8		1.0
Conf. interval		3.1 – 3.9		1.9 – 2.6		2.6 – 3.2		0.9 – 1.4		0.6 – 1.0		0.8 – 1.1
AS Rate		3.1		1.9		2.4		1.0		0.6		0.8
Conf. interval		2.7 – 3.4		1.6 – 2.2		2.2 – 2.6		0.8 – 1.2		0.4 – 0.7		0.7 – 0.9
Lifetime risk		1 in 374		1 in 532		1 in 438						
PYLL								1,832		1,026		2,858
Per cent of all cancers		0.9		0.7		0.8		0.6		0.5		0.5

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	79	2.5	54	1.6	133	2.0	31	1.0	21	0.6	53	0.8
Vic	90	3.8	46	1.7	136	2.6	24	1.0	23	0.8	47	0.9
Qld	39	2.6	33	2.0	72	2.3	14	0.9	12	0.8	27	0.8
WA	11	1.3	10	1.1	20	1.2	8	1.0	8	0.9	16	0.9
SA	28	3.4	19	2.0	46	2.7	6	0.7	6	0.5	12	0.6
Tas	6	2.6	6	2.1	12	2.4	2	0.8	2	0.7	4	0.8
ACT	4	3.4	1	1.1	5	2.2	3	2.6	1	1.2	4	1.9
NT	1	1.0	0	0.0	1	0.5	0	0.0	0	0.2	0	0.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 36: Cancer of the skin – melanoma (ICD 172)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
5-9	3	0.5	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
10-14	13	2.1	7	1.2	20	1.6	0	0.0	0	0.0	0	0.0
15-19	36	5.0	46	6.6	82	5.8	3	0.4	2	0.3	5	0.4
20-24	67	9.8	111	16.9	178	13.3	2	0.3	2	0.3	4	0.3
25-29	115	16.0	147	20.9	262	18.5	7	1.0	3	0.4	10	0.7
30-34	171	24.9	184	27.1	355	26.0	15	2.2	8	1.2	23	1.7
35-39	208	31.9	234	36.1	442	34.0	22	3.4	12	1.9	34	2.6
40-44	264	42.4	248	41.7	512	42.0	22	3.5	22	3.7	44	3.6
45-49	233	47.9	222	48.3	455	48.1	33	6.8	24	5.2	57	6.0
50-54	240	59.2	190	49.0	430	54.2	39	9.6	18	4.6	57	7.2
55-59	271	72.8	185	51.3	456	62.2	54	14.5	22	6.1	76	10.4
60-64	395	108.9	232	63.0	627	85.7	60	16.5	27	7.3	87	11.9
65-69	357	115.9	252	72.9	609	93.2	67	21.8	25	7.2	92	14.1
70-74	293	138.6	194	73.2	487	102.2	70	33.1	26	9.8	96	20.2
75-79	214	141.1	155	70.9	369	99.7	58	38.3	42	19.2	100	27.0
80-84	132	171.0	97	72.4	229	108.4	33	42.8	26	19.4	59	27.9
85 and over	69	169.8	56	53.2	125	85.7	16	39.4	22	20.9	38	26.1
Total	3,082		2,561		5,643		501		281		782	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	36.7		30.4		33.5		6.0		3.3		4.6	
Conf. interval	35.4 – 38.0		29.2 – 31.6		32.6 – 34.4		5.4 – 6.5		2.9 – 3.7		4.3 – 5.0	
AS Rate	31.2		25.0		27.7		4.9		2.4		3.6	
Conf. interval	30.1 – 32.3		24.0 – 26.0		27.0 – 28.4		4.5 – 5.4		2.1 – 2.7		3.3 – 3.8	
Lifetime risk	1 in 30		1 in 40		1 in 35							
PYLL							6,019		3,601		9,620	
Per cent of all cancers	9.7		9.4		9.6		2.9		2.2		2.6	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,023	30.8	868	25.0	1,891	27.6	181	5.3	104	2.6	285	3.8
Vic	460	19.1	497	19.2	957	19.0	95	3.9	71	2.5	166	3.1
Qld	668	43.8	598	38.4	1,266	40.7	90	5.7	47	2.6	137	4.1
WA	235	28.7	211	24.9	446	26.5	44	5.3	21	2.3	65	3.7
SA	196	23.2	200	22.6	396	22.7	36	4.1	23	2.3	59	3.1
Tas	45	17.5	59	21.6	103	19.6	11	4.4	8	2.4	19	3.4
ACT	39	31.2	37	27.3	76	29.0	5	3.9	4	3.3	9	3.8
NT	9	13.4	7	10.1	16	11.9	1	2.7	1	1.3	2	2.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 37: Cancer of the skin – non-melanocytic (ICD 173)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4							0	0.0	0	0.0	0	0.0
5–9							0	0.0	0	0.0	0	0.0
10–14							0	0.0	0	0.0	0	0.0
15–19							0	0.0	0	0.0	0	0.0
20–24							1	0.1	0	0.0	1	0.1
25–29							4	0.6	0	0.0	4	0.3
30–34							9	1.3	0	0.0	9	0.7
35–39							14	2.2	0	0.0	14	1.1
40–44							11	1.8	0	0.0	11	0.9
45–49							3	0.6	3	0.7	6	0.6
50–54							7	1.7	1	0.3	8	1.0
55–59							12	3.2	1	0.3	13	1.8
60–64							20	5.5	3	0.8	23	3.1
65–69							25	8.1	5	1.4	30	4.6
70–74							28	13.2	9	3.4	37	7.8
75–79							28	18.5	8	3.7	36	9.7
80–84							33	42.8	10	7.5	43	20.4
85 and over							25	61.5	25	23.8	50	34.3
Total							220		65		285	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate								2.6		0.8		1.7
Conf. interval								2.3 – 3.0		0.6 – 1.0		1.5 – 1.9
AS Rate								2.1		0.4		1.1
Conf. interval								1.8 – 2.3		0.3 – 0.5		1.0 – 1.3
Lifetime risk												
PYLL								2,153		201		2,353
Per cent of all cancers								1.3		0.5		0.9

Average annual numbers and rates by State and Territory 1985–1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW							76	2.2	22	0.4	98	1.2
Vic							28	1.1	11	0.2	39	0.6
Qld							32	1.9	11	0.4	42	1.1
WA							14	1.6	6	0.5	20	1.0
SA							10	1.0	4	0.3	14	0.6
Tas							3	1.1	1	0.2	4	0.6
ACT							1	1.0	0	0.3	1	0.6
NT							1	2.4	1	2.0	2	2.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 38: Cancer of the breast (ICD 174–175)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20–24	0	0.0	8	1.2	8	0.6	0	0.0	0	0.0	0	0.0
25–29	0	0.0	46	6.5	46	3.2	0	0.0	7	1.0	7	0.5
30–34	1	0.1	164	24.2	165	12.1	0	0.0	35	5.2	35	2.6
35–39	4	0.6	364	56.2	368	28.3	0	0.0	74	11.4	74	5.7
40–44	3	0.5	647	108.7	650	53.4	1	0.2	145	24.4	146	12.0
45–49	3	0.6	749	163.1	752	79.5	2	0.4	173	37.7	175	18.5
50–54	6	1.5	705	181.8	711	89.6	0	0.0	220	56.7	220	27.7
55–59	4	1.1	671	185.9	675	92.1	0	0.0	219	60.7	219	29.9
60–64	9	2.5	885	240.3	894	122.3	3	0.8	305	82.8	308	42.1
65–69	11	3.6	816	236.2	827	126.6	3	1.0	306	88.6	309	47.3
70–74	7	3.3	704	265.7	711	149.3	2	0.9	257	97.0	259	54.4
75–79	9	5.9	606	277.2	615	166.1	4	2.6	267	122.1	271	73.2
80–84	5	6.5	366	273.2	371	175.7	2	2.6	204	152.3	206	97.5
85 and over	1	2.5	280	266.1	281	192.7	1	2.5	237	225.3	238	163.2
Total	63		7,011		7,074		18		2,449		2,467	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.7		83.2		42.0		0.2		29.1		14.7	
Conf. interval	0.6 – 0.9		81.2 – 85.1		41.0 – 43.0		0.1 – 0.3		27.9 – 30.2		14.1 – 15.2	
AS Rate	0.6		65.8		34.0		0.2		21.1		11.2	
Conf. interval	0.5 – 0.8		64.1 – 67.4		33.2 – 34.9		0.1 – 0.2		20.2 – 22.0		10.7 – 11.6	
Lifetime risk	1 in 1,452		1 in 14		1 in 27							
PYLL							131		27,312		27,443	
Per cent of all cancers	0.2		25.8		12.0		0.1		18.9		8.2	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	24	0.7	2,238	61.7	2,262	32.2	5	0.1	815	20.6	820	11.0
Vic	13	0.5	1,712	63.5	1,725	33.1	5	0.2	652	22.2	657	11.9
Qld	7	0.4	1,014	62.5	1,021	32.1	3	0.2	324	18.7	328	9.8
WA	5	0.6	560	64.2	565	33.1	2	0.2	192	20.8	195	11.0
SA	4	0.5	569	60.2	573	31.5	2	0.2	213	20.8	215	11.1
Tas	1	0.4	156	54.8	157	28.6	0	0.1	64	21.0	64	11.1
ACT	1	0.7	72	57.8	73	30.2	0	0.0	26	20.4	26	10.9
NT	0	0.0	18	38.5	18	17.4	0	0.0	6	16.1	6	7.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 39: Cancer of the cervix (ICD 180)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			1	0.1					2	0.3		
20-24			15	2.3					1	0.2		
25-29			67	9.5					4	0.6		
30-34			126	18.6					21	3.1		
35-39			122	18.8					19	2.9		
40-44			126	21.2					25	4.2		
45-49			87	18.9					32	7.0		
50-54			85	21.9					27	7.0		
55-59			81	22.4					23	6.4		
60-64			83	22.5					37	10.0		
65-69			97	28.1					54	15.6		
70-74			68	25.7					47	17.7		
75-79			49	22.4					31	14.2		
80-84			23	17.2					22	16.4		
85 and over			18	17.1					24	22.8		
Total			1,048						369			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				12.4						4.4		
Conf. interval				11.7 – 13.2						3.9 – 4.8		
AS Rate				10.3						3.3		
Conf. interval				9.6 – 10.9						2.9 – 3.6		
Lifetime risk				1 in 96								
PYLL										5,212		
Per cent of all cancers				3.9						2.8		

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			357	10.4					134	3.5		
Vic			259	10.1					86	2.9		
Qld			180	11.4					52	3.0		
WA			109	12.8					34	3.9		
SA			89	10.4					28	2.7		
Tas			31	11.8					12	3.9		
ACT			13	9.7					3	2.4		
NT			8	15.9					4	8.9		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 40: Cancer of the placenta (ICD 181)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			0	0.0					0	0.0		
20-24			3	0.5					0	0.0		
25-29			1	0.1					0	0.0		
30-34			2	0.3					0	0.0		
35-39			1	0.2					0	0.0		
40-44			0	0.0					1	0.2		
45-49			0	0.0					0	0.0		
50-54			0	0.0					0	0.0		
55-59			0	0.0					0	0.0		
60-64			0	0.0					0	0.0		
65-69			0	0.0					0	0.0		
70-74			0	0.0					0	0.0		
75-79			0	0.0					0	0.0		
80-84			0	0.0					0	0.0		
85 and over			0	0.0					0	0.0		
Total			7						1			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				0.1						0.0		
Conf. interval				0.0 - 0.1						0.0 - 0.0		
AS Rate				0.1						0.0		
Conf. interval				0.0 - 0.1						0.0 - 0.0		
Lifetime risk				1 in 19,083								
PYLL										30		
Per cent of all cancers				0.0						0.0		

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			4	0.1					0	0.0		
Vic			1	0.1					0	0.0		
Qld			1	0.1					0	0.0		
WA			0	0.0					0	0.0		
SA			0	0.0					0	0.0		
Tas			0	0.0					0	0.0		
ACT			0	0.1					0	0.0		
NT			0	0.0					0	0.0		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 41: Cancer of the uterus (ICD 179+182)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			0	0.0					0	0.0		
20-24			0	0.0					0	0.0		
25-29			5	0.7					0	0.0		
30-34			9	1.3					0	0.0		
35-39			17	2.6					2	0.3		
40-44			32	5.4					6	1.0		
45-49			61	13.3					5	1.1		
50-54			105	27.1					7	1.8		
55-59			145	40.2					17	4.7		
60-64			178	48.3					32	8.7		
65-69			170	49.2					41	11.9		
70-74			128	48.3					43	16.2		
75-79			95	43.5					42	19.2		
80-84			55	41.0					35	26.1		
85 and over			42	39.9					45	42.8		
Total			1,042						275			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				12.4						3.3		
Conf. interval				11.6 - 13.1						2.9 - 3.6		
AS Rate				9.6						2.0		
Conf. interval				9.0 - 10.2						1.7 - 2.2		
Lifetime risk				1 in 85								
PYLL										1,532		
Per cent of all cancers				3.8						2.1		

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			341	9.1					91	2.1		
Vic			299	10.7					78	2.2		
Qld			162	9.9					36	1.8		
WA			84	9.4					21	1.8		
SA			106	11.0					27	2.3		
Tas			26	8.9					5	1.4		
ACT			9	8.0					2	1.7		
NT			3	6.0					0	0.7		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 42: Cancer of the ovary and other uterine adnexae (ICD 183)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4			1	0.2					0	0.0		
5-9			1	0.2					0	0.0		
10-14			3	0.5					0	0.0		
15-19			11	1.6					1	0.1		
20-24			7	1.1					1	0.2		
25-29			15	2.1					2	0.3		
30-34			20	2.9					7	1.0		
35-39			41	6.3					12	1.9		
40-44			45	7.6					13	2.2		
45-49			48	10.5					31	6.7		
50-54			92	23.7					50	12.9		
55-59			97	26.9					55	15.2		
60-64			145	39.4					101	27.4		
65-69			163	47.2					101	29.2		
70-74			119	44.9					99	37.4		
75-79			90	41.2					76	34.8		
80-84			60	44.8					54	40.3		
85 and over			41	39.0					48	45.6		
Total			999						651			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				11.9						7.7		
Conf. interval				11.1 – 12.6						7.1 – 8.3		
AS Rate				9.1						5.5		
Conf. interval				8.5 – 9.7						5.1 – 6.0		
Lifetime risk				1 in 94								
PYLL										6,036		
Per cent of all cancers				3.7						5.0		

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			313	8.4					223	5.5		
Vic			246	8.9					172	5.8		
Qld			144	8.8					96	5.5		
WA			69	8.0					45	4.8		
SA			81	8.6					58	5.6		
Tas			24	8.5					20	6.6		
ACT			11	9.1					8	6.8		
NT			5	10.4					3	7.4		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 43: Cancer of other and unspecified female genital organs (ICD 184)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4			1	0.2					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			0	0.0					0	0.0		
20-24			0	0.0					0	0.0		
25-29			5	0.7					1	0.1		
30-34			4	0.6					0	0.0		
35-39			4	0.6					2	0.3		
40-44			12	2.0					3	0.5		
45-49			10	2.2					1	0.2		
50-54			5	1.3					2	0.5		
55-59			15	4.2					3	0.8		
60-64			18	4.9					7	1.9		
65-69			21	6.1					5	1.4		
70-74			25	9.4					3	1.1		
75-79			28	12.8					14	6.4		
80-84			33	24.6					9	6.7		
85 and over			22	20.9					14	13.3		
Total			203						64			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				2.4						0.8		
Conf. interval				2.1 - 2.7						0.6 - 0.9		
AS Rate				1.6						0.4		
Conf. interval				1.3 - 1.8						0.3 - 0.6		
Lifetime risk				1 in 623								
PYLL										439		
Per cent of all cancers				0.7						0.5		

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			62	1.4					22	0.4		
Vic			58	1.7					20	0.5		
Qld			40	2.0					9	0.4		
WA			13	1.2					5	0.4		
SA			21	1.7					6	0.5		
Tas			6	2.1					3	0.9		
ACT			1	0.7					0	0.1		
NT			1	2.1					1	2.8		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 44: Gynaecological cancers (ICD 179–180, 182–184)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4			2	0.3					0	0.0		
5–9			1	0.2					0	0.0		
10–14			3	0.5					0	0.0		
15–19			12	1.7					3	0.4		
20–24			22	3.3					2	0.3		
25–29			92	13.1					7	1.0		
30–34			159	23.4					28	4.1		
35–39			184	28.4					35	5.4		
40–44			215	36.1					47	7.9		
45–49			206	44.8					69	15.0		
50–54			287	74.0					86	22.2		
55–59			338	93.7					98	27.2		
60–64			424	115.1					177	48.1		
65–69			451	130.5					201	58.2		
70–74			340	128.3					192	72.5		
75–79			262	119.9					163	74.6		
80–84			171	127.6					120	89.6		
85 and over			123	116.9					131	124.5		
Total			3,292						1,359			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				39.1						16.1		
Conf. interval				37.7 – 40.4						15.3 – 17.0		
AS Rate				30.5						11.2		
Conf. interval				29.4 – 31.6						10.6 – 11.9		
Lifetime risk				1 in 29								
PYLL										13,218		
Per cent of all cancers				12.1						10.5		

Average annual numbers and rates by State and Territory 1985–1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			1,074	29.2					471	11.5		
Vic			862	31.4					355	11.5		
Qld			525	32.1					193	10.7		
WA			275	31.5					105	10.9		
SA			297	31.6					119	11.0		
Tas			87	31.2					40	12.8		
ACT			34	27.4					13	11.1		
NT			17	34.4					8	19.8		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 45: Cancer of the prostate (ICD 185)

Australia 1989												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	2	0.3					0	0.0				
5-9	0	0.0					0	0.0				
10-14	0	0.0					0	0.0				
15-19	0	0.0					0	0.0				
20-24	0	0.0					0	0.0				
25-29	0	0.0					0	0.0				
30-34	0	0.0					0	0.0				
35-39	1	0.2					0	0.0				
40-44	8	1.3					2	0.3				
45-49	11	2.3					5	1.0				
50-54	60	14.8					17	4.2				
55-59	205	55.1					55	14.8				
60-64	504	138.9					145	40.0				
65-69	920	298.8					231	75.0				
70-74	1,033	488.7					346	163.7				
75-79	1,133	747.3					495	326.5				
80-84	733	949.6					409	529.9				
85 and over	447	1,100.2					320	787.6				
Total	5,057						2,025					
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		60.2						24.1				
Conf. interval		58.5 - 61.8						23.0 - 25.1				
AS Rate		45.2						17.9				
Conf. interval		43.9 - 46.5						17.1 - 18.7				
Lifetime risk		1 in 20										
PYLL								5,140				
Per cent of all cancers		15.9						11.8				

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,583	42.5					643	17.3				
Vic	1,075	39.2					462	16.8				
Qld	796	45.9					292	16.6				
WA	371	42.3					137	15.3				
SA	446	44.3					169	16.6				
Tas	116	37.5					56	18.2				
ACT	24	28.9					13	15.3				
NT	7	28.0					4	12.1				

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 46: Cancer of the testis (ICD 186)

Australia 1989												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	5	0.8					0	0.0				
5-9	0	0.0					0	0.0				
10-14	1	0.2					1	0.2				
15-19	20	2.8					1	0.1				
20-24	32	4.7					2	0.3				
25-29	84	11.7					5	0.7				
30-34	79	11.5					3	0.4				
35-39	61	9.4					3	0.5				
40-44	41	6.6					3	0.5				
45-49	26	5.3					2	0.4				
50-54	10	2.5					3	0.7				
55-59	10	2.7					3	0.8				
60-64	8	2.2					1	0.3				
65-69	1	0.3					0	0.0				
70-74	4	1.9					0	0.0				
75-79	5	3.3					1	0.7				
80-84	1	1.3					0	0.0				
85 and over	0	0.0					0	0.0				
Total	388						28					
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		4.6						0.3				
Conf. interval		4.2 - 5.1						0.2 - 0.5				
AS Rate		4.0						0.3				
Conf. interval		3.6 - 4.5						0.2 - 0.4				
Lifetime risk		1 in 321										
PYLL								873				
Per cent of all cancers		1.2						0.2				

Average annual numbers and rates by State and Territory 1985-1989

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	125	4.0					8	0.3				
Vic	97	4.1					8	0.4				
Qld	60	4.0					6	0.4				
WA	30	3.4					2	0.3				
SA	28	3.6					2	0.3				
Tas	12	5.0					2	1.0				
ACT	5	3.4					0	0.1				
NT	3	3.1					1	0.6				

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 47: Cancer of the penis and other male genital organs (ICD 187)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0					0	0.0				
5-9	0	0.0					0	0.0				
10-14	0	0.0					0	0.0				
15-19	1	0.1					0	0.0				
20-24	1	0.1					1	0.1				
25-29	0	0.0					0	0.0				
30-34	1	0.1					0	0.0				
35-39	1	0.2					0	0.0				
40-44	3	0.5					0	0.0				
45-49	3	0.6					2	0.4				
50-54	4	1.0					2	0.5				
55-59	2	0.5					1	0.3				
60-64	14	3.9					0	0.0				
65-69	9	2.9					3	1.0				
70-74	4	1.9					0	0.0				
75-79	8	5.3					2	1.3				
80-84	5	6.5					0	0.0				
85 and over	1	2.5					1	2.5				
Total	57						12					

Rates per 100,000 with 95 per cent confidence intervals		
Crude rate	0.7	0.1
Conf. interval	0.5 – 0.9	0.1 – 0.2
AS Rate	0.6	0.1
Conf. interval	0.4 – 0.7	0.1 – 0.2
Lifetime risk	1 in 1,684	
PYLL		167
Per cent of all cancers	0.2	0.1

Average annual numbers and rates by State and Territory 1985-1989												
	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	19	0.5					5	0.1				
Vic	15	0.6					4	0.2				
Qld	10	0.6					2	0.2				
WA	5	0.6					1	0.1				
SA	5	0.5					1	0.1				
Tas	2	0.7					0	0.1				
ACT	1	0.8					0	0.0				
NT	0	1.0					0	1.0				

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 48: Cancer of the bladder (ICD 188)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	4	0.6	0	0.0	4	0.3	0	0.0	0	0.0	0	0.0
25-29	4	0.6	2	0.3	6	0.4	0	0.0	1	0.1	1	0.1
30-34	14	2.0	5	0.7	19	1.4	0	0.0	1	0.1	1	0.1
35-39	14	2.2	2	0.3	16	1.2	8	1.2	1	0.2	9	0.7
40-44	28	4.5	5	0.8	33	2.7	0	0.0	3	0.5	3	0.2
45-49	48	9.9	15	3.3	63	6.7	8	1.6	3	0.7	11	1.2
50-54	70	17.3	31	8.0	101	12.7	13	3.2	4	1.0	17	2.1
55-59	122	32.8	40	11.1	162	22.1	22	5.9	10	2.8	32	4.4
60-64	199	54.8	70	19.0	269	36.8	43	11.9	17	4.6	60	8.2
65-69	281	91.3	89	25.8	370	56.6	64	20.8	14	4.1	78	11.9
70-74	285	134.8	75	28.3	360	75.6	103	48.7	32	12.1	135	28.3
75-79	279	184.0	92	42.1	371	100.2	90	59.4	48	22.0	138	37.3
80-84	156	202.1	71	53.0	227	107.5	80	103.6	37	27.6	117	55.4
85 and over	103	253.5	66	62.7	169	115.9	69	169.8	50	47.5	119	81.6
Total	1,609		563		2,172		500		221		721	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	19.1		6.7		12.9		5.9		2.6		4.3	
Conf. interval	18.2 – 20.1		6.1 – 7.2		12.4 – 13.4		5.4 – 6.5		2.3 – 3.0		4.0 – 4.6	
AS Rate	15.2		4.3		9.1		4.6		1.4		2.7	
Conf. interval	14.4 – 15.9		3.9 – 4.7		8.7 – 9.5		4.2 – 5.0		1.2 – 1.6		2.5 – 2.9	
Lifetime risk	1 in 57		1 in 205		1 in 93							
PYLL							2,130		888		3,018	
Per cent of all cancers	5.1		2.1		3.7		2.9		1.7		2.4	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	538	15.2	202	4.5	740	9.2	177	4.9	83	1.5	261	2.9
Vic	492	18.8	182	5.6	675	11.4	137	5.0	56	1.4	193	2.9
Qld	304	18.6	98	5.2	401	11.3	76	4.4	25	1.2	101	2.5
WA	111	13.3	40	3.9	151	8.2	42	4.8	15	1.3	57	2.8
SA	119	12.5	41	3.2	160	7.2	43	4.5	18	1.2	61	2.6
Tas	41	14.4	18	4.8	58	9.2	11	3.7	7	1.5	18	2.5
ACT	11	11.6	4	2.9	15	6.7	6	7.3	1	0.9	7	3.4
NT	6	14.0	1	4.1	8	9.5	2	3.8	0	1.4	2	2.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 49: Cancer of the kidney and other and unspecified urinary organs (ICD 189)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	12	1.9	17	2.8	29	2.3	0	0.0	0	0.0	0	0.0
5-9	2	0.3	3	0.5	5	0.4	0	0.0	1	0.2	1	0.1
10-14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15-19	1	0.1	1	0.1	2	0.1	1	0.1	0	0.0	1	0.1
20-24	1	0.1	1	0.2	2	0.1	0	0.0	0	0.0	0	0.0
25-29	0	0.0	5	0.7	5	0.4	0	0.0	1	0.1	1	0.1
30-34	11	1.6	5	0.7	16	1.2	2	0.3	2	0.3	4	0.3
35-39	24	3.7	5	0.8	29	2.2	7	1.1	0	0.0	7	0.5
40-44	40	6.4	18	3.0	58	4.8	10	1.6	2	0.3	12	1.0
45-49	42	8.6	23	5.0	65	6.9	9	1.9	6	1.3	15	1.6
50-54	58	14.3	35	9.0	93	11.7	31	7.6	10	2.6	41	5.2
55-59	87	23.4	53	14.7	140	19.1	26	7.0	19	5.3	45	6.1
60-64	116	32.0	86	23.3	202	27.6	55	15.2	39	10.6	94	12.9
65-69	151	49.0	76	22.0	227	34.7	68	22.1	39	11.3	107	16.4
70-74	136	64.3	82	31.0	218	45.8	63	29.8	42	15.9	105	22.0
75-79	109	71.9	88	40.3	197	53.2	68	44.8	42	19.2	110	29.7
80-84	44	57.0	47	35.1	91	43.1	39	50.5	40	29.9	79	37.4
85 and over	27	66.5	22	20.9	49	33.6	16	39.4	25	23.8	41	28.1
Total	861		568		1,429		395		268		663	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	10.2		6.7		8.5		4.7		3.2		3.9	
Conf. interval	9.6 – 10.9		6.2 – 7.3		8.0 – 8.9		4.2 – 5.2		2.8 – 3.6		3.6 – 4.2	
AS Rate	8.5		5.0		6.6		3.7		2.0		2.8	
Conf. interval	7.9 – 9.1		4.5 – 5.4		6.3 – 7.0		3.4 – 4.1		1.8 – 2.3		2.6 – 3.0	
Lifetime risk	1 in 98		1 in 176		1 in 128							
PYLL							2,996		1,714		4,710	
Per cent of all cancers	2.7		2.1		2.4		2.3		2.1		2.2	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	275	8.1	214	5.4	489	6.6	130	3.7	101	2.3	231	2.9
Vic	193	7.8	116	4.0	309	5.8	98	3.8	57	1.7	155	2.6
Qld	136	8.6	95	5.7	230	7.0	59	3.6	47	2.6	106	3.0
WA	62	7.6	45	5.0	106	6.2	29	3.5	22	2.4	51	2.9
SA	71	8.1	38	3.7	110	5.8	39	4.3	20	1.8	58	2.9
Tas	21	7.8	14	4.4	34	6.0	9	3.3	7	2.1	16	2.7
ACT	9	8.8	5	4.0	13	6.2	3	3.7	2	1.8	5	2.6
NT	3	5.5	1	1.6	4	3.6	1	2.2	1	2.3	2	2.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 50: Cancer of the eye (ICD 190)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	9	1.4	8	1.3	17	1.4	2	0.3	0	0.0	2	0.2
5-9	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
10-14	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	2	0.3	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
25-29	7	1.0	1	0.1	8	0.6	0	0.0	1	0.1	1	0.1
30-34	2	0.3	5	0.7	7	0.5	1	0.1	0	0.0	1	0.1
35-39	2	0.3	3	0.5	5	0.4	0	0.0	1	0.2	1	0.1
40-44	10	1.6	7	1.2	17	1.4	0	0.0	0	0.0	0	0.0
45-49	7	1.4	4	0.9	11	1.2	0	0.0	0	0.0	0	0.0
50-54	3	0.7	3	0.8	6	0.8	2	0.5	1	0.3	3	0.4
55-59	9	2.4	8	2.2	17	2.3	0	0.0	0	0.0	0	0.0
60-64	12	3.3	4	1.1	16	2.2	0	0.0	1	0.3	1	0.1
65-69	13	4.2	10	2.9	23	3.5	2	0.6	3	0.9	5	0.8
70-74	8	3.8	8	3.0	16	3.4	4	1.9	4	1.5	8	1.7
75-79	8	5.3	10	4.6	18	4.9	4	2.6	1	0.5	5	1.4
80-84	10	13.0	3	2.2	13	6.2	3	3.9	2	1.5	5	2.4
85 and over	1	2.5	3	2.9	4	2.7	0	0.0	3	2.9	3	2.1
Total	105		79		184		18		17		35	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.2		0.9		1.1		0.2		0.2		0.2	
Conf. interval	1.0 – 1.5		0.7 – 1.1		0.9 – 1.3		0.1 – 0.3		0.1 – 0.3		0.1 – 0.3	
AS Rate	1.1		0.8		0.9		0.2		0.1		0.2	
Conf. interval	0.9 – 1.3		0.6 – 1.0		0.8 – 1.1		0.1 – 0.3		0.1 – 0.2		0.1 – 0.2	
Lifetime risk	1 in 948		1 in 1,331		1 in 1,112							
PYLL							235		141		376	
Per cent of all cancers	0.3		0.3		0.3		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	33	1.0	25	0.8	58	0.9	5	0.2	4	0.1	10	0.1
Vic	18	0.8	15	0.6	32	0.7	4	0.2	3	0.1	7	0.1
Qld	20	1.3	13	0.8	33	1.1	3	0.2	2	0.1	5	0.1
WA	8	0.9	6	0.8	14	0.9	1	0.1	1	0.1	2	0.1
SA	7	0.9	7	0.7	14	0.8	1	0.1	1	0.1	2	0.1
Tas	2	0.8	1	0.2	3	0.5	1	0.3	0	0.2	1	0.2
ACT	1	0.5	1	0.8	2	0.7	0	0.2	0	0.0	0	0.1
NT	0	0.9	0	1.0	1	1.1	0	0.3	0	0.9	0	0.7

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 51: Cancer of the brain and nervous system (ICD 191–192)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	20	3.2	11	1.8	31	2.5	10	1.6	5	0.8	15	1.2
5–9	14	2.2	19	3.1	33	2.7	7	1.1	5	0.8	12	1.0
10–14	17	2.7	20	3.3	37	3.0	7	1.1	4	0.7	11	0.9
15–19	22	3.0	12	1.7	34	2.4	9	1.2	4	0.6	13	0.9
20–24	10	1.5	13	2.0	23	1.7	4	0.6	3	0.5	7	0.5
25–29	24	3.3	11	1.6	35	2.5	8	1.1	5	0.7	13	0.9
30–34	25	3.6	29	4.3	54	4.0	15	2.2	13	1.9	28	2.1
35–39	34	5.2	27	4.2	61	4.7	18	2.8	11	1.7	29	2.2
40–44	47	7.5	29	4.9	76	6.2	16	2.6	17	2.9	33	2.7
45–49	39	8.0	26	5.7	65	6.9	35	7.2	19	4.1	54	5.7
50–54	43	10.6	38	9.8	81	10.2	40	9.9	18	4.6	58	7.3
55–59	60	16.1	40	11.1	100	13.6	46	12.4	30	8.3	76	10.4
60–64	74	20.4	57	15.5	131	17.9	67	18.5	49	13.3	116	15.9
65–69	63	20.5	56	16.2	119	18.2	73	23.7	47	13.6	120	18.4
70–74	45	21.3	45	17.0	90	18.9	50	23.7	55	20.8	105	22.0
75–79	44	29.0	47	21.5	91	24.6	42	27.7	50	22.9	92	24.9
80–84	11	14.3	22	16.4	33	15.6	14	18.1	23	17.2	37	17.5
85 and over	5	12.3	10	9.5	15	10.3	2	4.9	9	8.6	11	7.5
Total	597		512		1,109		463		367		830	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	7.1		6.1		6.6		5.5		4.4		4.9	
Conf. interval	6.5 – 7.7		5.5 – 6.6		6.2 – 7.0		5.0 – 6.0		3.9 – 4.8		4.6 – 5.3	
AS Rate	6.4		5.1		5.8		4.8		3.3		4.1	
Conf. interval	5.9 – 6.9		4.7 – 5.6		5.4 – 6.1		4.4 – 5.3		2.9 – 3.7		3.8 – 4.3	
Lifetime risk	1 in 155		1 in 196		1 in 174							
PYLL							7,694		5,248		12,942	
Per cent of all cancers	1.9		1.9		1.9		2.7		2.8		2.8	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	205	6.6	154	4.6	360	5.6	160	4.9	118	3.2	278	4.1
Vic	164	7.0	123	4.8	287	5.9	129	5.3	93	3.4	222	4.3
Qld	98	6.9	74	5.1	172	6.0	71	4.9	58	3.6	130	4.2
WA	45	5.8	40	4.9	86	5.3	36	4.5	28	3.2	64	3.8
SA	53	6.8	45	5.4	98	6.1	43	5.1	35	3.9	78	4.5
Tas	17	6.9	8	3.3	25	5.1	14	5.3	8	2.9	22	4.1
ACT	7	5.5	5	3.9	12	4.8	5	3.8	3	2.5	8	3.3
NT	3	4.1	3	4.9	5	4.6	1	2.3	2	4.0	4	3.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 52: Cancer of the thyroid gland (ICD 193)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	2	0.3	3	0.5	5	0.4	0	0.0	0	0.0	0	0.0
15-19	3	0.4	5	0.7	8	0.6	0	0.0	1	0.1	1	0.1
20-24	6	0.9	28	4.3	34	2.5	0	0.0	0	0.0	0	0.0
25-29	7	1.0	19	2.7	26	1.8	0	0.0	0	0.0	0	0.0
30-34	7	1.0	54	8.0	61	4.5	0	0.0	1	0.1	1	0.1
35-39	7	1.1	41	6.3	48	3.7	0	0.0	0	0.0	0	0.0
40-44	15	2.4	23	3.9	38	3.1	0	0.0	1	0.2	1	0.1
45-49	15	3.1	29	6.3	44	4.7	0	0.0	0	0.0	0	0.0
50-54	19	4.7	26	6.7	45	5.7	0	0.0	3	0.8	3	0.4
55-59	12	3.2	23	6.4	35	4.8	1	0.3	2	0.6	3	0.4
60-64	14	3.9	15	4.1	29	4.0	6	1.7	8	2.2	14	1.9
65-69	15	4.9	17	4.9	32	4.9	3	1.0	4	1.2	7	1.1
70-74	9	4.3	17	6.4	26	5.5	4	1.9	3	1.1	7	1.5
75-79	8	5.3	17	7.8	25	6.8	2	1.3	8	3.7	10	2.7
80-84	0	0.0	12	9.0	12	5.7	1	1.3	10	7.5	11	5.2
85 and over	6	14.8	5	4.8	11	7.5	2	4.9	2	1.9	4	2.7
Total	145		334		479		19		43		62	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.7		4.0		2.8		0.2		0.5		0.4	
Conf. interval	1.4 – 2.0		3.5 – 4.4		2.6 – 3.1		0.1 – 0.3		0.4 – 0.7		0.3 – 0.5	
AS Rate	1.5		3.3		2.4		0.2		0.3		0.3	
Conf. interval	1.3 – 1.8		2.9 – 3.7		2.2 – 2.6		0.1 – 0.3		0.2 – 0.4		0.2 – 0.3	
Lifetime risk	1 in 644		1 in 328		1 in 435							
PYLL							107		343		449	
Per cent of all cancers	0.5		1.2		0.8		0.1		0.3		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	44	1.4	119	3.6	163	2.5	7	0.2	15	0.3	23	0.3
Vic	32	1.3	68	2.6	100	2.0	6	0.2	15	0.4	21	0.3
Qld	22	1.5	51	3.3	73	2.4	4	0.2	3	0.2	7	0.2
WA	10	1.3	33	3.9	43	2.6	1	0.2	3	0.3	5	0.3
SA	10	1.2	29	3.4	39	2.3	2	0.3	6	0.4	8	0.4
Tas	3	1.1	8	3.1	11	2.1	1	0.3	2	0.4	2	0.4
ACT	1	0.9	7	5.1	9	3.1	0	0.2	1	0.5	1	0.4
NT	1	1.7	2	2.9	3	2.2	1	0.9	0	0.4	1	0.7

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 53: Cancer of other endocrine glands (ICD 194)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	6	0.9	5	0.8	11	0.9	1	0.2	7	1.2	8	0.6
5-9	2	0.3	1	0.2	3	0.2	2	0.3	1	0.2	3	0.2
10-14	4	0.6	1	0.2	5	0.4	1	0.2	0	0.0	1	0.1
15-19	4	0.6	0	0.0	4	0.3	1	0.1	1	0.1	2	0.1
20-24	3	0.4	0	0.0	3	0.2	0	0.0	3	0.5	3	0.2
25-29	1	0.1	2	0.3	3	0.2	1	0.1	1	0.1	2	0.1
30-34	6	0.9	0	0.0	6	0.4	1	0.1	2	0.3	3	0.2
35-39	2	0.3	2	0.3	4	0.3	0	0.0	1	0.2	1	0.1
40-44	3	0.5	0	0.0	3	0.2	0	0.0	1	0.2	1	0.1
45-49	1	0.2	2	0.4	3	0.3	2	0.4	4	0.9	6	0.6
50-54	2	0.5	0	0.0	2	0.3	4	1.0	1	0.3	5	0.6
55-59	1	0.3	0	0.0	1	0.1	1	0.3	1	0.3	2	0.3
60-64	2	0.6	3	0.8	5	0.7	0	0.0	4	1.1	4	0.5
65-69	2	0.6	3	0.9	5	0.8	3	1.0	5	1.4	8	1.2
70-74	3	1.4	1	0.4	4	0.8	0	0.0	4	1.5	4	0.8
75-79	2	1.3	1	0.5	3	0.8	5	3.3	3	1.4	8	2.2
80-84	1	1.3	1	0.7	2	0.9	0	0.0	3	2.2	3	1.4
85 and over	0	0.0	1	1.0	1	0.7	1	2.5	1	1.0	2	1.4
Total	45		23		68		23		43		66	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.5		0.3		0.4		0.3		0.5		0.4	
Conf. interval	0.4 - 0.7		0.2 - 0.4		0.3 - 0.5		0.2 - 0.4		0.4 - 0.7		0.3 - 0.5	
AS Rate	0.5		0.3		0.4		0.3		0.5		0.4	
Conf. interval	0.4 - 0.7		0.2 - 0.4		0.3 - 0.5		0.1 - 0.4		0.3 - 0.6		0.3 - 0.5	
Lifetime risk	1 in 2,418		1 in 4,709		1 in 3,206							
PYLL							539		1,180		1,719	
Per cent of all cancers	0.1		0.1		0.1		0.1		0.3		0.2	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	12	0.4	12	0.4	24	0.4	7	0.3	9	0.3	16	0.3
Vic	11	0.6	6	0.3	17	0.4	9	0.4	8	0.3	16	0.4
Qld	6	0.5	6	0.5	12	0.5	5	0.4	4	0.3	8	0.3
WA	3	0.5	3	0.4	6	0.4	2	0.3	2	0.3	4	0.3
SA	3	0.4	3	0.4	6	0.4	2	0.3	3	0.4	5	0.3
Tas	1	0.8	0	0.1	2	0.5	1	0.3	1	0.3	1	0.3
ACT	1	0.7	1	0.7	2	0.7	0	0.0	0	0.2	0	0.1
NT	0	0.2	0	0.3	0	0.3	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 54: Cancer of an unknown primary site (ICD 195–199)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	1	0.2	2	0.3	3	0.2	0	0.0	2	0.3	2	0.2
5–9	1	0.2	0	0.0	1	0.1	0	0.0	1	0.2	1	0.1
10–14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15–19	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
20–24	1	0.1	3	0.5	4	0.3	1	0.1	2	0.3	3	0.2
25–29	7	1.0	5	0.7	12	0.8	2	0.3	3	0.4	5	0.4
30–34	12	1.7	16	2.4	28	2.1	2	0.3	3	0.4	5	0.4
35–39	26	4.0	18	2.8	44	3.4	7	1.1	13	2.0	20	1.5
40–44	26	4.2	30	5.0	56	4.6	17	2.7	15	2.5	32	2.6
45–49	40	8.2	51	11.1	91	9.6	23	4.7	27	5.9	50	5.3
50–54	88	21.7	52	13.4	140	17.6	49	12.1	33	8.5	82	10.3
55–59	133	35.7	83	23.0	216	29.5	84	22.6	49	13.6	133	18.1
60–64	201	55.4	124	33.7	325	44.4	137	37.8	74	20.1	211	28.9
65–69	246	79.9	154	44.6	400	61.2	157	51.0	103	29.8	260	39.8
70–74	235	111.2	201	75.9	436	91.5	157	74.3	144	54.4	301	63.2
75–79	187	123.3	199	91.0	386	104.3	158	104.2	140	64.0	298	80.5
80–84	143	185.3	175	130.6	318	150.6	111	143.8	133	99.3	244	115.5
85 and over	90	221.5	139	132.1	229	157.0	81	199.4	130	123.6	211	144.7
Total	1,437		1,254		2,691		986		872		1,858	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	17.1		14.9		16.0		11.7		10.3		11.0	
Conf. interval	16.2 – 18.0		14.1 – 15.7		15.4 – 16.6		11.0 – 12.5		9.7 – 11.0		10.5 – 11.5	
AS Rate	13.8		9.5		11.4		9.4		6.3		7.6	
Conf. interval	13.1 – 14.6		8.9 – 10.0		11.0 – 11.9		8.8 – 10.0		5.8 – 6.7		7.3 – 8.0	
Lifetime risk	1 in 62		1 in 94		1 in 76							
PYLL							6,471		5,480		11,951	
Per cent of all cancers	4.5		4.6		4.6		5.7		6.7		6.2	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	517	14.7	450	9.8	967	12.0	341	9.6	288	6.1	629	7.6
Vic	351	13.6	313	9.3	664	11.2	247	9.5	216	6.1	464	7.5
Qld	200	12.4	146	7.8	346	9.9	155	9.5	120	5.9	275	7.5
WA	134	16.2	111	10.9	244	13.4	66	7.8	64	5.9	131	6.9
SA	88	9.4	88	7.1	176	8.1	84	8.9	82	6.5	165	7.5
Tas	36	13.4	33	8.7	70	10.9	26	9.4	28	6.9	54	8.2
ACT	11	10.9	9	7.5	19	9.1	5	5.0	6	4.8	11	4.8
NT	11	23.0	3	9.1	14	17.0	4	11.1	2	3.7	6	7.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 55: Non-Hodgkin's lymphoma (ICD 200+202)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	7	1.1	4	0.7	11	0.9	2	0.3	0	0.0	2	0.2
5-9	11	1.7	4	0.7	15	1.2	2	0.3	0	0.0	2	0.2
10-14	5	0.8	2	0.3	7	0.6	1	0.2	0	0.0	1	0.1
15-19	9	1.2	7	1.0	16	1.1	4	0.6	1	0.1	5	0.4
20-24	9	1.3	5	0.8	14	1.0	4	0.6	2	0.3	6	0.4
25-29	22	3.1	7	1.0	29	2.0	9	1.3	7	1.0	16	1.1
30-34	28	4.1	19	2.8	47	3.4	14	2.0	5	0.7	19	1.4
35-39	64	9.8	36	5.6	100	7.7	26	4.0	7	1.1	33	2.5
40-44	71	11.4	53	8.9	124	10.2	26	4.2	17	2.9	43	3.5
45-49	65	13.4	48	10.5	113	12.0	25	5.1	11	2.4	36	3.8
50-54	79	19.5	60	15.5	139	17.5	34	8.4	19	4.9	53	6.7
55-59	98	26.3	83	23.0	181	24.7	46	12.4	32	8.9	78	10.6
60-64	157	43.3	105	28.5	262	35.8	58	16.0	53	14.4	111	15.2
65-69	163	52.9	145	42.0	308	47.1	89	28.9	73	21.1	162	24.8
70-74	148	70.0	139	52.5	287	60.3	79	37.4	68	25.7	147	30.9
75-79	147	97.0	134	61.3	281	75.9	111	73.2	84	38.4	195	52.7
80-84	80	103.6	80	59.7	160	75.8	63	81.6	70	52.2	133	63.0
85 and over	39	96.0	57	54.2	96	65.8	41	100.9	44	41.8	85	58.3
Total	1,202		988		2,190		634		493		1,127	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	14.3		11.7		13.0		7.5		5.8		6.7	
Conf. interval	13.5 – 15.1		11.0 – 12.5		12.5 – 13.6		7.0 – 8.1		5.3 – 6.4		6.3 – 7.1	
AS Rate	11.9		8.4		10.0		6.0		3.7		4.7	
Conf. interval	11.2 – 12.6		7.8 – 9.0		9.6 – 10.4		5.5 – 6.5		3.4 – 4.1		4.4 – 5.0	
Lifetime risk	1 in 77		1 in 104		1 in 89							
PYLL							6,517		3,855		10,372	
Per cent of all cancers	3.8		3.6		3.7		3.7		3.8		3.7	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	396	11.8	328	8.2	724	9.8	201	5.8	170	3.7	370	4.6
Vic	297	12.0	232	7.9	529	9.8	152	6.0	130	4.0	283	4.8
Qld	176	11.3	142	8.2	319	9.6	82	5.3	67	3.3	149	4.2
WA	93	11.3	70	7.6	164	9.3	49	5.8	35	3.5	85	4.6
SA	102	11.6	90	8.8	191	10.1	45	4.7	47	4.1	92	4.4
Tas	25	9.3	25	8.3	50	8.7	13	4.7	13	4.0	26	4.3
ACT	10	8.7	9	7.5	19	8.1	4	4.4	4	3.4	8	3.8
NT	2	3.6	3	7.4	5	5.4	2	3.9	2	4.4	3	4.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 56: Hodgkin's disease (ICD 201)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
5-9	4	0.6	0	0.0	4	0.3	0	0.0	0	0.0	0	0.0
10-14	14	2.2	2	0.3	16	1.3	0	0.0	1	0.2	1	0.1
15-19	13	1.8	17	2.5	30	2.1	3	0.4	0	0.0	3	0.2
20-24	22	3.2	22	3.3	44	3.3	4	0.6	1	0.2	5	0.4
25-29	19	2.6	19	2.7	38	2.7	4	0.6	2	0.3	6	0.4
30-34	17	2.5	16	2.4	33	2.4	6	0.9	0	0.0	6	0.4
35-39	23	3.5	7	1.1	30	2.3	6	0.9	2	0.3	8	0.6
40-44	16	2.6	10	1.7	26	2.1	4	0.6	2	0.3	6	0.5
45-49	14	2.9	4	0.9	18	1.9	8	1.6	1	0.2	9	1.0
50-54	9	2.2	4	1.0	13	1.6	4	1.0	2	0.5	6	0.8
55-59	6	1.6	4	1.1	10	1.4	4	1.1	3	0.8	7	1.0
60-64	9	2.5	7	1.9	16	2.2	4	1.1	7	1.9	11	1.5
65-69	3	1.0	13	3.8	16	2.4	6	1.9	2	0.6	8	1.2
70-74	11	5.2	5	1.9	16	3.4	3	1.4	7	2.6	10	2.1
75-79	4	2.6	10	4.6	14	3.8	6	4.0	5	2.3	11	3.0
80-84	7	9.1	3	2.2	10	4.7	3	3.9	6	4.5	9	4.3
85 and over	2	4.9	5	4.8	7	4.8	1	2.5	4	3.8	5	3.4
Total	195		149		344		66		45		111	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.3		1.8		2.0		0.8		0.5		0.7	
Conf. interval	2.0 - 2.6		1.5 - 2.1		1.8 - 2.3		0.6 - 1.0		0.4 - 0.7		0.5 - 0.8	
AS Rate	2.1		1.5		1.8		0.7		0.4		0.5	
Conf. interval	1.8 - 2.4		1.3 - 1.8		1.6 - 2.0		0.5 - 0.8		0.3 - 0.5		0.4 - 0.6	
Lifetime risk	1 in 576		1 in 811		1 in 674							
PYLL							1,466		551		2,017	
Per cent of all cancers	0.6		0.5		0.6		0.4		0.3		0.4	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	66	2.1	47	1.5	113	1.8	26	0.8	16	0.4	41	0.6
Vic	51	2.2	41	1.7	92	2.0	18	0.7	13	0.5	31	0.6
Qld	32	2.2	21	1.4	53	1.8	11	0.6	6	0.3	17	0.5
WA	16	1.9	11	1.3	27	1.6	4	0.5	3	0.3	7	0.4
SA	14	1.8	9	1.1	23	1.5	4	0.4	2	0.2	6	0.3
Tas	6	2.6	4	1.4	10	2.0	1	0.4	2	0.6	3	0.5
ACT	3	2.2	2	1.6	5	1.9	0	0.2	0	0.1	1	0.2
NT	1	1.2	0	0.4	1	0.8	0	0.8	0	0.0	0	0.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 57: All lymphomas (ICD 200–202)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	9	1.4	5	0.8	14	1.1	2	0.3	0	0.0	2	0.2
5–9	15	2.4	4	0.7	19	1.5	2	0.3	0	0.0	2	0.2
10–14	19	3.0	4	0.7	23	1.9	1	0.2	1	0.2	2	0.2
15–19	22	3.0	24	3.5	46	3.2	7	1.0	1	0.1	8	0.6
20–24	31	4.5	27	4.1	58	4.3	8	1.2	3	0.5	11	0.8
25–29	41	5.7	26	3.7	67	4.7	13	1.8	9	1.3	22	1.5
30–34	45	6.5	35	5.2	80	5.9	20	2.9	5	0.7	25	1.8
35–39	87	13.4	43	6.6	130	10.0	32	4.9	9	1.4	41	3.2
40–44	87	14.0	63	10.6	150	12.3	30	4.8	19	3.2	49	4.0
45–49	79	16.3	52	11.3	131	13.9	33	6.8	12	2.6	45	4.8
50–54	88	21.7	64	16.5	152	19.2	38	9.4	21	5.4	59	7.4
55–59	104	27.9	87	24.1	191	26.1	50	13.4	35	9.7	85	11.6
60–64	166	45.7	112	30.4	278	38.0	62	17.1	60	16.3	122	16.7
65–69	166	53.9	158	45.7	324	49.6	95	30.9	75	21.7	170	26.0
70–74	159	75.2	144	54.4	303	63.6	82	38.8	75	28.3	157	33.0
75–79	151	99.6	144	65.9	295	79.7	117	77.2	89	40.7	206	55.6
80–84	87	112.7	83	61.9	170	80.5	66	85.5	76	56.7	142	67.2
85 and over	41	100.9	62	58.9	103	70.6	42	103.4	48	45.6	90	61.7
Total	1,397		1,137		2,534		700		538		1,238	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	16.6		13.5		15.1		8.3		6.4		7.4	
Conf. interval	15.7 – 17.5		12.7 – 14.3		14.5 – 15.6		7.7 – 8.9		5.8 – 6.9		6.9 – 7.8	
AS Rate	14.0		9.9		11.8		6.7		4.1		5.3	
Conf. interval	13.2 – 14.7		9.3 – 10.5		11.3 – 12.3		6.2 – 7.2		3.7 – 4.5		5.0 – 5.6	
Lifetime risk	1 in 68		1 in 92		1 in 79							
PYLL							7,981		4,405		12,385	
Per cent of all cancers	4.4		4.2		4.3		4.1		4.1		4.1	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	462	13.9	376	9.6	837	11.6	226	6.6	185	4.1	412	5.2
Vic	348	14.3	273	9.6	622	11.7	171	6.7	143	4.4	314	5.4
Qld	209	13.5	163	9.5	372	11.4	93	5.9	73	3.6	166	4.7
WA	109	13.2	81	8.9	190	10.9	54	6.3	38	3.8	92	5.0
SA	116	13.4	98	9.9	214	11.5	49	5.2	49	4.3	98	4.7
Tas	32	11.9	29	9.6	60	10.6	14	5.1	15	4.6	29	4.8
ACT	13	10.9	12	9.1	25	10.0	5	4.6	4	3.5	9	4.0
NT	3	4.8	3	7.7	6	6.2	2	4.8	2	4.4	4	4.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 58: Multiple myeloma (ICD 203)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	1	0.1	1	0.1	2	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
35-39	3	0.5	4	0.6	7	0.5	3	0.5	0	0.0	3	0.2
40-44	9	1.4	1	0.2	10	0.8	6	1.0	2	0.3	8	0.7
45-49	17	3.5	6	1.3	23	2.4	8	1.6	3	0.7	11	1.2
50-54	24	5.9	8	2.1	32	4.0	13	3.2	5	1.3	18	2.3
55-59	34	9.1	27	7.5	61	8.3	25	6.7	9	2.5	34	4.6
60-64	60	16.5	34	9.2	94	12.9	29	8.0	24	6.5	53	7.2
65-69	57	18.5	43	12.4	100	15.3	43	14.0	36	10.4	79	12.1
70-74	62	29.3	57	21.5	119	25.0	44	20.8	34	12.8	78	16.4
75-79	69	45.5	56	25.6	125	33.8	58	38.3	44	20.1	102	27.6
80-84	32	41.5	37	27.6	69	32.7	30	38.9	31	23.1	61	28.9
85 and over	17	41.8	27	25.7	44	30.2	26	64.0	31	29.5	57	39.1
Total	386		302		688		285		219		504	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	4.6		3.6		4.1		3.4		2.6		3.0	
Conf. interval	4.1 – 5.1		3.2 – 4.0		3.8 – 4.4		3.0 – 3.8		2.3 – 2.9		2.7 – 3.3	
AS Rate	3.7		2.2		2.9		2.7		1.5		2.0	
Conf. interval	3.3 – 4.1		2.0 – 2.5		2.7 – 3.1		2.3 – 3.0		1.3 – 1.7		1.8 – 2.2	
Lifetime risk	1 in 235		1 in 363		1 in 288							
PYLL							1,760		978		2,738	
Per cent of all cancers	1.2		1.1		1.2		1.7		1.7		1.7	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	130	3.8	106	2.3	236	3.0	92	2.6	77	1.6	168	2.0
Vic	80	3.1	83	2.4	163	2.7	59	2.3	55	1.5	114	1.9
Qld	50	3.1	40	2.0	90	2.5	41	2.4	31	1.4	71	1.9
WA	27	3.2	22	2.2	49	2.7	18	2.2	20	1.9	38	2.0
SA	43	4.5	32	2.7	74	3.5	24	2.4	24	1.9	47	2.1
Tas	10	3.4	8	2.1	17	2.6	7	2.6	5	1.2	12	1.8
ACT	3	3.4	5	4.0	8	3.7	3	2.7	2	1.8	5	2.2
NT	0	0.3	0	0.0	0	0.2	1	1.3	0	0.7	1	1.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 59: Lymphatic leukaemia (ICD 204)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	47	7.4	25	4.1	72	5.8	1	0.2	2	0.3	3	0.2
5-9	25	3.9	15	2.5	40	3.2	12	1.9	7	1.2	19	1.5
10-14	14	2.2	13	2.2	27	2.2	6	0.9	11	1.8	17	1.4
15-19	12	1.7	6	0.9	18	1.3	16	2.2	1	0.1	17	1.2
20-24	6	0.9	2	0.3	8	0.6	6	0.9	5	0.8	11	0.8
25-29	6	0.8	3	0.4	9	0.6	4	0.6	3	0.4	7	0.5
30-34	5	0.7	1	0.1	6	0.4	2	0.3	3	0.4	5	0.4
35-39	7	1.1	4	0.6	11	0.8	4	0.6	1	0.2	5	0.4
40-44	10	1.6	3	0.5	13	1.1	1	0.2	2	0.3	3	0.2
45-49	14	2.9	7	1.5	21	2.2	11	2.3	2	0.4	13	1.4
50-54	12	3.0	9	2.3	21	2.6	5	1.2	6	1.5	11	1.4
55-59	42	11.3	18	5.0	60	8.2	10	2.7	5	1.4	15	2.0
60-64	53	14.6	25	6.8	78	10.7	21	5.8	6	1.6	27	3.7
65-69	48	15.6	39	11.3	87	13.3	28	9.1	13	3.8	41	6.3
70-74	42	19.9	40	15.1	82	17.2	17	8.0	15	5.7	32	6.7
75-79	37	24.4	40	18.3	77	20.8	23	15.2	23	10.5	46	12.4
80-84	28	36.3	31	23.1	59	27.9	22	28.5	22	16.4	44	20.8
85 and over	24	59.1	22	20.9	46	31.5	24	59.1	22	20.9	46	31.5
Total	432		303		735		213		149		362	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	5.1		3.6		4.4		2.5		1.8		2.2	
Conf. interval	4.7 - 5.6		3.2 - 4.0		4.1 - 4.7		2.2 - 2.9		1.5 - 2.1		1.9 - 2.4	
AS Rate	4.9		2.9		3.8		2.2		1.2		1.7	
Conf. interval	4.4 - 5.4		2.5 - 3.2		3.5 - 4.1		1.9 - 2.5		1.0 - 1.4		1.5 - 1.9	
Lifetime risk	1 in 229		1 in 373		1 in 285							
PYLL							3,614		2,342		5,955	
Per cent of all cancers	1.4		1.1		1.2		1.2		1.1		1.2	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	144	4.8	104	3.1	248	3.8	75	2.4	53	1.2	128	1.7
Vic	94	4.2	67	2.6	161	3.3	58	2.3	35	1.1	93	1.6
Qld	72	5.2	42	2.7	114	3.9	30	2.0	24	1.4	54	1.6
WA	33	4.5	17	2.2	50	3.3	17	2.2	9	0.9	26	1.5
SA	54	6.7	42	4.3	96	5.4	20	2.4	15	1.4	35	1.8
Tas	15	6.4	9	3.0	25	4.6	5	2.2	3	0.9	8	1.5
ACT	6	6.4	3	2.6	9	4.3	2	2.5	2	1.6	4	1.9
NT	2	2.5	0	0.7	2	1.7	0	0.2	1	1.0	1	0.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 60: Acute lymphatic leukaemia (ICD 204.0)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	46	7.3	25	4.2	71	5.8	1	0.2	2	0.3	3	0.2
5-9	25	4.0	15	2.5	40	3.3	12	1.9	7	1.2	19	1.6
10-14	13	2.1	13	2.2	26	2.1	6	1.0	11	1.8	17	1.4
15-19	12	1.7	6	0.9	18	1.3	16	2.2	1	0.1	17	1.2
20-24	5	0.7	2	0.3	7	0.5	5	0.7	5	0.8	10	0.8
25-29	6	0.8	3	0.4	9	0.6	4	0.6	3	0.4	7	0.5
30-34	5	0.7	1	0.1	6	0.4	2	0.3	2	0.3	4	0.3
35-39	6	0.9	4	0.6	10	0.8	3	0.5	1	0.2	4	0.3
40-44	3	0.5	1	0.2	4	0.3	0	0.0	2	0.3	2	0.2
45-49	4	0.8	0	0.0	4	0.4	6	1.2	1	0.2	7	0.7
50-54	1	0.2	2	0.5	3	0.4	2	0.5	3	0.8	5	0.6
55-59	7	1.9	3	0.8	10	1.4	3	0.8	4	1.1	7	1.0
60-64	5	1.4	1	0.3	6	0.8	5	1.4	1	0.3	6	0.8
65-69	3	1.0	3	0.9	6	0.9	3	1.0	4	1.2	7	1.1
70-74	4	1.9	1	0.4	5	1.1	1	0.5	3	1.1	4	0.8
75-79	5	3.3	2	0.9	7	1.9	2	1.3	3	1.4	5	1.4
80-84	1	1.3	1	0.7	2	0.9	2	2.6	4	3.0	6	2.8
85 and over	1	2.5	3	2.9	4	2.7	1	2.5	3	2.9	4	2.7
Total	152		86		238		74		60		134	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.8		1.0		1.4		0.9		0.7		0.8	
Conf. interval	1.5 - 2.1		0.8 - 1.2		1.2 - 1.6		0.7 - 1.1		0.5 - 0.9		0.7 - 0.9	
AS Rate	2.2		1.3		1.7		0.9		0.7		0.8	
Conf. interval	1.8 - 2.5		1.0 - 1.6		1.5 - 2.0		0.7 - 1.1		0.5 - 0.9		0.7 - 0.9	
Lifetime risk	1 in 768		1 in 1,397		1 in 992							
PYLL							2,859		2,053		4,912	
Per cent of all cancers	0.5		0.3		0.4		0.4		0.5		0.4	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	45	1.9	34	1.5	78	1.7	29	1.0	19	0.6	48	0.8
Vic	36	2.0	24	1.5	60	1.7	22	1.0	11	0.5	33	0.7
Qld	26	2.3	14	1.3	40	1.8	12	0.9	8	0.7	20	0.8
WA	13	2.0	8	1.3	20	1.7	7	1.0	3	0.5	10	0.7
SA	13	2.3	9	1.6	23	2.0	7	1.0	5	0.7	12	0.8
Tas	5	2.6	2	1.1	7	1.8	1	0.7	2	0.6	3	0.6
ACT	2	1.8	2	1.3	4	1.6	0	0.2	1	0.6	1	0.4
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.7	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 61: Chronic lymphatic leukaemia (ICD 204.1)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	1	0.2	0	0.0	1	0.1	1	0.2	0	0.0	1	0.1
40-44	7	1.1	2	0.3	9	0.7	0	0.0	0	0.0	0	0.0
45-49	10	2.1	7	1.5	17	1.8	5	1.0	1	0.2	6	0.6
50-54	11	2.7	6	1.6	17	2.2	3	0.7	2	0.5	5	0.6
55-59	33	8.9	15	4.2	48	6.6	7	1.9	1	0.3	8	1.1
60-64	44	12.2	23	6.3	67	9.2	15	4.2	5	1.4	20	2.7
65-69	40	13.0	35	10.2	75	11.5	22	7.2	7	2.0	29	4.5
70-74	36	17.1	35	13.2	71	14.9	15	7.1	11	4.2	26	5.5
75-79	31	20.5	37	17.0	68	18.4	19	12.6	20	9.2	39	10.6
80-84	26	33.7	30	22.4	56	26.6	19	24.7	17	12.7	36	17.1
85 and over	23	56.7	19	18.1	42	28.8	22	54.3	18	17.1	40	27.5
Total	262		209		471		128		82		210	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.1		2.5		2.8		1.5		1.0		1.3	
Conf. interval	2.8 – 3.5		2.2 – 2.8		2.6 – 3.1		1.3 – 1.8		0.8 – 1.2		1.1 – 1.4	
AS Rate	2.6		1.5		2.0		1.2		0.5		0.8	
Conf. interval	2.3 – 2.9		1.3 – 1.8		1.8 – 2.2		1.0 – 1.4		0.4 – 0.6		0.7 – 0.9	
Lifetime risk	1 in 349		1 in 537		1 in 426							
PYLL							647		212		858	
Per cent of all cancers	0.8		0.8		0.8		0.7		0.6		0.7	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	94	2.7	66	1.4	160	2.0	43	1.2	32	0.5	74	0.8
Vic	57	2.2	40	1.0	96	1.5	33	1.2	22	0.5	54	0.8
Qld	45	2.8	27	1.4	72	2.0	17	1.0	15	0.6	32	0.8
WA	20	2.4	9	0.8	29	1.5	9	1.1	5	0.3	14	0.7
SA	40	4.4	33	2.7	73	3.5	13	1.4	9	0.6	22	1.0
Tas	10	3.8	7	1.9	17	2.8	3	1.0	1	0.1	3	0.5
ACT	4	4.6	1	1.3	6	2.7	2	2.0	1	1.0	3	1.4
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 62: Myeloid leukaemia (ICD 205)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	7	1.1	8	1.3	15	1.2	8	1.3	3	0.5	11	0.9
5-9	4	0.6	6	1.0	10	0.8	0	0.0	2	0.3	2	0.2
10-14	5	0.8	2	0.3	7	0.6	1	0.2	3	0.5	4	0.3
15-19	12	1.7	7	1.0	19	1.3	2	0.3	3	0.4	5	0.4
20-24	5	0.7	10	1.5	15	1.1	4	0.6	7	1.1	11	0.8
25-29	16	2.2	12	1.7	28	2.0	9	1.3	1	0.1	10	0.7
30-34	14	2.0	15	2.2	29	2.1	6	0.9	4	0.6	10	0.7
35-39	14	2.2	14	2.2	28	2.2	12	1.8	5	0.8	17	1.3
40-44	16	2.6	16	2.7	32	2.6	16	2.6	8	1.3	24	2.0
45-49	13	2.7	13	2.8	26	2.8	10	2.1	11	2.4	21	2.2
50-54	18	4.4	16	4.1	34	4.3	13	3.2	9	2.3	22	2.8
55-59	17	4.6	16	4.4	33	4.5	19	5.1	13	3.6	32	4.4
60-64	44	12.1	30	8.1	74	10.1	34	9.4	24	6.5	58	7.9
65-69	55	17.9	25	7.2	80	12.2	50	16.2	27	7.8	77	11.8
70-74	67	31.7	26	9.8	93	19.5	69	32.6	29	10.9	98	20.6
75-79	69	45.5	41	18.8	110	29.7	61	40.2	41	18.8	102	27.6
80-84	55	71.3	28	20.9	83	39.3	42	54.4	34	25.4	76	36.0
85 and over	16	39.4	32	30.4	48	32.9	20	49.2	41	39.0	61	41.8
Total	447		317		764		376		265		641	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	5.3		3.8		4.5		4.5		3.1		3.8	
Conf. interval	4.8 – 5.8		3.3 – 4.2		4.2 – 4.9		4.0 – 4.9		2.8 – 3.5		3.5 – 4.1	
AS Rate	4.3		2.8		3.4		3.6		2.1		2.7	
Conf. interval	3.9 – 4.7		2.5 – 3.1		3.2 – 3.7		3.2 – 4.0		1.8 – 2.3		2.5 – 3.0	
Lifetime risk	1 in 230		1 in 396		1 in 297							
PYLL							3,963		2,841		6,804	
Per cent of all cancers	1.4		1.2		1.3		2.2		2.0		2.1	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	153	4.5	108	2.7	261	3.5	126	3.6	91	2.2	216	2.8
Vic	93	3.7	83	2.8	176	3.2	82	3.3	72	2.3	154	2.7
Qld	63	3.9	46	2.6	109	3.2	51	3.3	41	2.2	92	2.7
WA	30	3.6	26	2.9	56	3.1	27	3.3	23	2.5	50	2.8
SA	41	4.6	31	3.1	73	3.8	32	3.5	27	2.5	59	2.9
Tas	12	4.3	11	3.1	22	3.7	10	3.8	7	2.0	17	2.9
ACT	5	4.6	3	2.4	8	3.4	3	2.8	2	1.7	5	2.1
NT	2	2.6	1	0.7	2	1.7	1	1.7	1	1.2	2	1.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 63: Acute myeloid leukaemia (ICD 205.0)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	5	0.8	6	1.0	11	0.9	6	1.0	3	0.5	9	0.7
5-9	3	0.5	6	1.0	9	0.7	0	0.0	2	0.3	2	0.2
10-14	2	0.3	2	0.3	4	0.3	1	0.2	3	0.5	4	0.3
15-19	6	0.8	6	0.9	12	0.9	2	0.3	3	0.4	5	0.4
20-24	5	0.7	6	0.9	11	0.8	3	0.4	7	1.1	10	0.8
25-29	6	0.8	10	1.4	16	1.1	6	0.8	0	0.0	6	0.4
30-34	8	1.2	10	1.5	18	1.3	3	0.4	3	0.4	6	0.4
35-39	7	1.1	10	1.6	17	1.3	7	1.1	4	0.6	11	0.9
40-44	9	1.5	10	1.7	19	1.6	11	1.8	5	0.8	16	1.3
45-49	8	1.7	7	1.5	15	1.6	9	1.9	8	1.8	17	1.8
50-54	15	3.7	9	2.3	24	3.0	11	2.7	6	1.6	17	2.2
55-59	8	2.2	13	3.6	21	2.9	11	3.0	10	2.8	21	2.9
60-64	31	8.6	21	5.7	52	7.1	26	7.2	15	4.1	41	5.6
65-69	35	11.4	18	5.2	53	8.1	30	9.8	17	4.9	47	7.2
70-74	35	16.6	18	6.8	53	11.2	47	22.3	19	7.2	66	13.9
75-79	41	27.1	26	11.9	67	18.1	43	28.4	29	13.3	72	19.5
80-84	29	37.6	17	12.7	46	21.8	26	33.7	21	15.7	47	22.3
85 and over	12	29.6	18	17.1	30	20.6	9	22.2	17	16.2	26	17.9
Total	265		213		478		251		172		423	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.2		2.5		2.9		3.0		2.1		2.5	
Conf. interval	2.8 – 3.6		2.2 – 2.9		2.6 – 3.1		2.6 – 3.4		1.8 – 2.4		2.3 – 2.8	
AS Rate	2.6		1.9		2.2		2.4		1.4		1.9	
Conf. interval	2.3 – 2.9		1.7 – 2.2		2.0 – 2.4		2.1 – 2.7		1.2 – 1.7		1.7 – 2.1	
Lifetime risk	1 in 386		1 in 563		1 in 466							
PYLL							2,785		2,253		5,038	
Per cent of all cancers	0.8		0.8		0.8		1.5		1.3		1.4	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	93	2.8	70	1.8	163	2.2	81	2.4	65	1.6	146	1.9
Vic	58	2.3	58	2.0	116	2.1	53	2.1	48	1.6	100	1.8
Qld	32	2.1	30	1.7	61	1.9	32	2.1	28	1.5	60	1.8
WA	17	2.1	18	2.1	35	2.1	17	2.0	15	1.7	31	1.8
SA	31	3.3	22	2.1	52	2.7	21	2.3	20	1.9	41	2.1
Tas	9	3.4	8	2.5	17	2.9	6	2.3	4	1.4	10	1.8
ACT	3	2.7	2	1.2	4	1.9	3	3.0	2	1.5	5	2.2
NT	0	0.0	0	0.0	0	0.0	0	0.8	0	0.0	0	0.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 64: Chronic myeloid leukaemia (ICD 205.1)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	1	0.2	2	0.2	1	0.2	0	0.0	1	0.1
5-9	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	6	0.8	0	0.0	6	0.4	0	0.0	0	0.0	0	0.0
20-24	0	0.0	4	0.6	4	0.3	1	0.1	0	0.0	1	0.1
25-29	9	1.3	2	0.3	11	0.8	2	0.3	1	0.1	3	0.2
30-34	6	0.9	4	0.6	10	0.7	3	0.4	1	0.1	4	0.3
35-39	6	0.9	4	0.6	10	0.8	5	0.8	1	0.2	6	0.5
40-44	7	1.1	5	0.8	12	1.0	4	0.6	3	0.5	7	0.6
45-49	4	0.8	6	1.3	10	1.1	1	0.2	2	0.4	3	0.3
50-54	2	0.5	7	1.8	9	1.1	1	0.2	3	0.8	4	0.5
55-59	9	2.4	2	0.6	11	1.5	6	1.6	3	0.8	9	1.2
60-64	11	3.0	8	2.2	19	2.6	7	1.9	8	2.2	15	2.1
65-69	16	5.2	6	1.7	22	3.4	15	4.9	8	2.3	23	3.5
70-74	27	12.8	7	2.6	34	7.2	17	8.1	10	3.8	27	5.7
75-79	23	15.2	15	6.9	38	10.3	15	9.9	10	4.6	25	6.8
80-84	23	29.8	9	6.7	32	15.2	15	19.5	11	8.2	26	12.3
85 and over	3	7.4	13	12.4	16	11.0	6	14.8	21	20.0	27	18.5
Total	155		93		248		99		82		181	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.9		1.1		1.5		1.2		1.0		1.1	
Conf. interval	1.6 – 2.2		0.9 – 1.3		1.3 – 1.7		1.0 – 1.4		0.8 – 1.2		0.9 – 1.2	
AS Rate	1.4		0.8		1.1		0.9		0.6		0.7	
Conf. interval	1.2 – 1.7		0.6 – 0.9		0.9 – 1.2		0.7 – 1.1		0.4 – 0.7		0.6 – 0.8	
Lifetime risk	1 in 659		1 in 1,493		1 in 943							
PYLL							934		537		1,472	
Per cent of all cancers	0.5		0.3		0.4		0.6		0.6		0.6	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	54	1.6	33	0.8	86	1.1	35	1.0	22	0.5	58	0.7
Vic	32	1.3	23	0.8	55	1.0	25	1.0	19	0.5	44	0.7
Qld	29	1.7	15	0.8	44	1.2	16	1.0	11	0.6	27	0.7
WA	12	1.5	8	0.7	20	1.0	8	0.9	6	0.6	14	0.8
SA	11	1.3	9	0.9	20	1.1	9	1.0	8	0.7	17	0.8
Tas	2	0.9	3	0.7	5	0.8	3	0.9	2	0.4	4	0.7
ACT	2	1.9	2	1.2	4	1.5	1	1.1	1	0.8	2	0.9
NT	0	0.0	0	0.0	0	0.0	0	0.2	0	0.3	0	0.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 65: Monocytic leukaemia (ICD 206)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	1	0.2	1	0.1	1	0.2	1	0.2	2	0.2
15-19	0	0.0	1	0.1	1	0.1	0	0.0	1	0.1	1	0.1
20-24	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
25-29	1	0.1	1	0.1	2	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1
40-44	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
45-49	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
50-54	2	0.5	0	0.0	2	0.3	1	0.2	0	0.0	1	0.1
55-59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
60-64	0	0.0	0	0.0	0	0.0	2	0.6	0	0.0	2	0.3
65-69	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
70-74	1	0.5	0	0.0	1	0.2	1	0.5	1	0.4	2	0.4
75-79	0	0.0	1	0.5	1	0.3	1	0.7	0	0.0	1	0.3
80-84	3	3.9	2	1.5	5	2.4	3	3.9	3	2.2	6	2.8
85 and over	0	0.0	1	1.0	1	0.7	0	0.0	1	1.0	1	0.7
Total	9		9		18		10		7		17	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.1		0.1		0.1		0.1		0.1		0.1	
Conf. interval	0.0 - 0.2		0.0 - 0.2		0.1 - 0.2		0.0 - 0.2		0.0 - 0.1		0.1 - 0.1	
AS Rate	0.1		0.1		0.1		0.1		0.1		0.1	
Conf. interval	0.0 - 0.2		0.0 - 0.2		0.0 - 0.1		0.0 - 0.2		0.0 - 0.1		0.0 - 0.1	
Lifetime risk	1 in 13,616		1 in 25,956		1 in 18,245							
PYLL							132		116		248	
Per cent of all cancers	0.0		0.0		0.0		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	4	0.1	4	0.1	8	0.1	3	0.1	3	0.1	6	0.1
Vic	3	0.1	3	0.1	6	0.1	3	0.1	1	0.0	4	0.1
Qld	5	0.3	2	0.2	7	0.2	6	0.4	2	0.2	8	0.2
WA	2	0.3	1	0.2	3	0.2	1	0.1	1	0.1	2	0.1
SA	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	2	0.1
Tas	0	0.1	0	0.0	0	0.1	1	0.2	0	0.1	1	0.1
ACT	0	0.2	0	0.0	0	0.1	0	0.0	0	0.0	0	0.0
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 66: Other and unspecified leukaemia (ICD 207–208)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	4	0.6	0	0.0	4	0.3	0	0.0	3	0.5	3	0.2
5–9	2	0.3	0	0.0	2	0.2	1	0.2	0	0.0	1	0.1
10–14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	1	0.1
20–24	1	0.1	1	0.2	2	0.1	0	0.0	0	0.0	0	0.0
25–29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30–34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35–39	1	0.2	1	0.2	2	0.2	0	0.0	2	0.3	2	0.2
40–44	1	0.2	3	0.5	4	0.3	0	0.0	1	0.2	1	0.1
45–49	3	0.6	1	0.2	4	0.4	0	0.0	0	0.0	0	0.0
50–54	4	1.0	1	0.3	5	0.6	3	0.7	0	0.0	3	0.4
55–59	5	1.3	4	1.1	9	1.2	3	0.8	1	0.3	4	0.5
60–64	4	1.1	5	1.4	9	1.2	3	0.8	4	1.1	7	1.0
65–69	4	1.3	9	2.6	13	2.0	10	3.2	4	1.2	14	2.1
70–74	10	4.7	8	3.0	18	3.8	3	1.4	7	2.6	10	2.1
75–79	18	11.9	6	2.7	24	6.5	6	4.0	5	2.3	11	3.0
80–84	13	16.8	16	11.9	29	13.7	9	11.7	3	2.2	12	5.7
85 and over	2	4.9	5	4.8	7	4.8	3	7.4	6	5.7	9	6.2
Total	72		60		132		42		36		78	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.9		0.7		0.8		0.5		0.4		0.5	
Conf. interval	0.7 – 1.1		0.5 – 0.9		0.7 – 0.9		0.3 – 0.7		0.3 – 0.6		0.4 – 0.6	
AS Rate	0.7		0.4		0.5		0.4		0.3		0.3	
Conf. interval	0.5 – 0.9		0.3 – 0.5		0.4 – 0.6		0.3 – 0.5		0.2 – 0.4		0.3 – 0.4	
Lifetime risk	1 in 1,742		1 in 2,133		1 in 1,924							
PYLL							319		417		736	
Per cent of all cancers	0.2		0.2		0.2		0.2		0.3		0.3	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	24	0.7	18	0.4	42	0.5	16	0.4	12	0.2	27	0.3
Vic	22	0.8	15	0.5	37	0.6	11	0.4	9	0.2	20	0.3
Qld	14	0.9	15	0.8	28	0.8	11	0.7	9	0.4	20	0.5
WA	6	0.8	3	0.4	10	0.6	2	0.3	2	0.2	4	0.2
SA	8	0.8	7	0.6	15	0.7	4	0.4	3	0.3	6	0.3
Tas	2	0.6	1	0.5	3	0.5	2	0.5	1	0.3	3	0.4
ACT	0	0.7	0	0.1	1	0.3	0	0.2	0	0.2	0	0.2
NT	0	0.6	0	0.4	0	0.5	0	0.7	0	0.0	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 67: All leukaemias (ICD 204–208)

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	59	9.3	34	5.6	93	7.5	9	1.4	8	1.3	17	1.4
5–9	31	4.9	21	3.5	52	4.2	13	2.0	9	1.5	22	1.8
10–14	19	3.0	16	2.7	35	2.8	8	1.3	15	2.5	23	1.9
15–19	24	3.3	14	2.0	38	2.7	19	2.6	5	0.7	24	1.7
20–24	12	1.8	14	2.1	26	1.9	10	1.5	12	1.8	22	1.6
25–29	23	3.2	16	2.3	39	2.7	13	1.8	4	0.6	17	1.2
30–34	19	2.8	16	2.4	35	2.6	8	1.2	7	1.0	15	1.1
35–39	22	3.4	19	2.9	41	3.2	17	2.6	8	1.2	25	1.9
40–44	27	4.3	22	3.7	49	4.0	17	2.7	11	1.8	28	2.3
45–49	31	6.4	21	4.6	52	5.5	21	4.3	13	2.8	34	3.6
50–54	36	8.9	26	6.7	62	7.8	22	5.4	15	3.9	37	4.7
55–59	64	17.2	38	10.5	102	13.9	32	8.6	19	5.3	51	7.0
60–64	101	27.8	60	16.3	161	22.0	60	16.5	34	9.2	94	12.9
65–69	107	34.8	73	21.1	180	27.5	88	28.6	44	12.7	132	20.2
70–74	120	56.8	74	27.9	194	40.7	90	42.6	52	19.6	142	29.8
75–79	124	81.8	88	40.3	212	57.3	91	60.0	69	31.6	160	43.2
80–84	99	128.3	77	57.5	176	83.3	76	98.5	62	46.3	138	65.3
85 and over	42	103.4	60	57.0	102	69.9	47	115.7	70	66.5	117	80.2
Total	960		689		1,649		641		457		1,098	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	11.4		8.2		9.8		7.6		5.4		6.5	
Conf. interval	10.7 – 12.1		7.6 – 8.8		9.3 – 10.3		7.0 – 8.2		4.9 – 5.9		6.1 – 6.9	
AS Rate	10.0		6.2		7.9		6.3		3.6		4.8	
Conf. interval	9.3 – 10.6		5.7 – 6.7		7.5 – 8.3		5.8 – 6.8		3.3 – 4.0		4.5 – 5.1	
Lifetime risk	1 in 107		1 in 175		1 in 135							
PYLL							8,027		5,716		13,743	
Per cent of all cancers	3.0		2.5		2.8		3.7		3.5		3.6	

Average annual numbers and rates by State and Territory 1985–1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	325	10.1	234	6.3	559	8.0	219	6.5	159	3.7	378	5.0
Vic	212	8.9	168	6.0	380	7.3	154	6.1	117	3.6	271	4.7
Qld	154	10.3	105	6.3	259	8.2	98	6.3	76	4.1	174	5.1
WA	71	9.1	48	5.6	118	7.2	47	5.8	35	3.8	82	4.7
SA	103	12.1	81	7.9	184	9.9	57	6.3	46	4.3	102	5.2
Tas	29	11.4	21	6.6	50	8.9	18	6.6	12	3.3	29	4.9
ACT	12	11.9	6	5.1	18	8.2	5	5.4	5	3.5	10	4.3
NT	4	5.8	1	1.8	5	4.0	2	2.6	1	2.2	3	2.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 68: Alcohol-related cancers

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.1	1	0.1	0	0.0	0	0.0	0	0.0
25-29	2	0.2	2	0.3	4	0.3	0	0.0	0	0.1	1	0.0
30-34	3	0.4	4	0.6	6	0.5	1	0.1	1	0.1	2	0.1
35-39	5	0.8	8	1.3	13	1.0	1	0.2	2	0.3	3	0.2
40-44	14	2.3	21	3.5	35	2.9	5	0.8	5	0.9	10	0.8
45-49	23	4.8	25	5.4	48	5.1	10	2.0	7	1.4	16	1.7
50-54	43	10.6	25	6.4	67	8.5	22	5.3	8	2.1	30	3.8
55-59	56	15.2	26	7.1	82	11.2	29	7.8	10	2.7	39	5.3
60-64	80	22.1	34	9.2	113	15.6	46	12.7	14	3.9	60	8.3
65-69	55	17.9	34	9.9	89	13.6	40	13.1	15	4.5	56	8.6
70-74	34	16.2	30	11.3	64	13.5	28	13.1	15	5.7	43	9.0
75-79	12	8.1	9	4.0	21	5.7	9	6.0	5	2.5	15	4.0
80-84	3	4.0	6	4.2	9	4.1	3	3.6	4	2.9	7	3.1
85 and over	1	2.7	4	3.7	5	3.4	1	3.4	4	3.7	5	3.6
Total	331		225		557		194		91		285	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	4.0		2.7		3.3		2.3		1.1		1.7	
Conf. interval	3.6 - 4.4		2.3 - 3.1		3.1 - 3.6		2.0 - 2.7		0.9 - 1.3		1.5 - 1.9	
AS Rate	3.5		2.2		2.9		2.0		0.8		1.4	
Conf. interval	3.1 - 3.9		1.9 - 2.5		2.6 - 3.1		1.7 - 2.3		0.7 - 1.0		1.3 - 1.6	
Lifetime risk	1 in 221		1 in 365		1 in 277							
PYLL							2,097		1,065		3,162	
Per cent of all cancers	1.0		0.8		0.9		1.1		0.7		0.9	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	110	3.4	74	2.1	184	2.8	65	2.0	31	0.8	96	1.4
Vic	78	3.3	56	2.2	134	2.7	51	2.2	24	0.9	76	1.5
Qld	58	3.9	34	2.2	92	3.1	28	1.9	12	0.8	40	1.3
WA	23	3.0	18	2.1	41	2.6	15	1.9	7	0.8	22	1.4
SA	23	2.8	18	2.0	42	2.4	12	1.4	7	0.8	19	1.1
Tas	8	3.4	5	1.9	14	2.6	5	1.9	3	0.9	7	1.4
ACT	3	2.4	3	2.1	5	2.2	1	1.4	1	0.8	2	1.0
NT	3	5.3	1	2.0	4	3.9	2	3.4	0	1.4	2	2.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate). See page 185 for ICD codes.

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 69: Smoking-related cancers

Australia 1989												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	7	1.0	3	0.4	10	0.7	0	0.1	0	0.1	1	0.1
20-24	19	2.8	6	0.9	25	1.9	1	0.1	0	0.0	1	0.1
25-29	46	6.4	28	4.0	73	5.2	3	0.4	3	0.5	6	0.4
30-34	65	9.5	48	7.2	113	8.4	10	1.5	9	1.3	19	1.4
35-39	89	13.9	56	8.8	146	11.3	24	3.8	14	2.2	38	3.0
40-44	162	26.3	76	12.9	238	19.7	67	10.8	41	6.9	107	8.9
45-49	276	57.3	107	23.5	383	40.9	151	31.4	59	13.0	210	22.5
50-54	430	106.8	130	33.8	560	71.1	266	66.1	77	20.0	343	43.5
55-59	719	194.3	192	53.5	911	124.9	467	126.2	139	38.6	606	83.1
60-64	1,146	317.1	296	80.6	1,441	197.9	799	221.2	220	60.1	1,019	140.0
65-69	1,335	435.2	335	97.3	1,670	256.5	1,039	338.6	247	71.8	1,286	197.5
70-74	1,136	539.0	322	121.8	1,458	306.8	923	437.9	287	108.5	1,209	254.6
75-79	850	562.0	252	115.6	1,103	298.4	747	493.6	195	89.5	942	254.9
80-84	441	571.8	104	78.1	545	258.5	443	574.7	95	70.6	537	254.8
85 and over	192	473.3	63	60.3	255	175.4	210	518.8	60	56.9	270	185.5
Total	6,911		2,019		8,930		5,149		1,447		6,596	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	83.0		24.2		53.5		61.9		17.3		39.6	
Conf. interval	81.1 – 85.0		23.1 – 25.2		52.4 – 54.7		60.2 – 63.6		16.4 – 18.2		38.6 – 40.5	
AS Rate	67.7		17.8		40.9		49.4		12.3		29.1	
Conf. interval	66.1 – 69.3		17.0 – 18.6		40.0 – 41.8		48.0 – 50.8		11.6 – 12.9		28.3 – 29.8	
Lifetime risk	1 in 12		1 in 45		1 in 20							
PYLL							36,590		12,422		49,012	
Per cent of all cancers	21.9		7.5		15.2		30.0		11.2		21.9	

Average annual numbers and rates by State and Territory 1985-1989

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	2,344	67.7	684	17.5	3,028	40.5	1,780	50.5	488	11.9	2,269	29.2
Vic	1,746	68.8	512	17.8	2,257	40.9	1,296	50.3	363	12.0	1,660	29.0
Qld	1,189	75.7	303	18.3	1,493	45.4	810	50.2	180	10.3	989	28.7
WA	563	69.0	168	18.6	731	42.1	411	49.8	119	12.8	530	29.7
SA	610	67.0	164	16.4	774	39.6	412	43.9	107	10.0	519	25.2
Tas	199	73.3	60	20.5	260	44.9	145	52.0	43	13.9	187	31.2
ACT	60	61.0	19	16.2	79	36.0	41	44.1	15	12.7	55	26.0
NT	28	60.5	7	16.4	35	40.3	26	61.1	8	21.7	34	43.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate). See page 185 for ICD codes.

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 70: Incidence summary table

Australia 1989		Males					Females			
ICD-9	Cancer description	Number	Crude rate	AS Rate	Cum. rate per cent	Sex ratio M:F	Number	Crude rate	AS rate	Cum. rate per cent
140-208	All cancers (excluding ICD 173)	31,741	377.7	307.6	35.5	1.3	27,173	322.4	238.7	26.7
140	Lip	667	7.9	6.7	0.8	4.5	198	2.3	1.5	0.1
141	Tongue	241	2.9	2.5	0.3	2.6	116	1.4	1.0	0.1
142	Salivary gland	128	1.5	1.2	0.2	2.3	61	0.7	0.5	0.1
143	Gum	22	0.3	0.2	0.0	1.4	17	0.2	0.2	0.0
144	Floor of mouth	115	1.4	1.2	0.2	3.1	45	0.5	0.4	0.1
145	Other mouth	133	1.6	1.4	0.2	2.2	72	0.9	0.6	0.1
146	Oropharynx	171	2.0	1.8	0.2	5.3	37	0.4	0.3	0.0
147	Nasopharynx	77	0.9	0.8	0.1	3.6	22	0.3	0.2	0.0
148	Hypopharynx	157	1.9	1.6	0.2	9.3	19	0.2	0.2	0.0
149	Other lip, oral cavity and pharynx	38	0.5	0.4	0.0	4.2	12	0.1	0.1	0.0
141-149	Head and neck	1,082	12.9	11.1	1.4	3.2	401	4.8	3.5	0.4
150	Oesophagus	480	5.7	4.7	0.6	2.6	257	3.0	1.8	0.2
151	Stomach	1,088	12.9	10.3	1.1	2.2	628	7.5	4.6	0.5
152	Small intestine	83	1.0	0.8	0.1	1.6	60	0.7	0.5	0.1
153	Colon	2,913	34.7	27.9	3.3	1.3	2,807	33.3	21.9	2.6
154	Rectum	1,788	21.3	17.5	2.2	1.8	1,229	14.6	9.9	1.2
153-154	Colo-rectal	4,701	55.9	45.4	5.5	1.4	4,036	47.9	31.8	3.8
155	Liver	248	3.0	2.5	0.3	3.3	81	1.0	0.7	0.1
156	Gallbladder	193	2.3	1.8	0.2	0.9	282	3.3	2.1	0.2
157	Pancreas	705	8.4	6.7	0.8	1.5	602	7.1	4.4	0.5
158	Peritoneum	39	0.5	0.4	0.0	1.2	34	0.4	0.3	0.0
159	Other digestive organs	55	0.7	0.5	0.1	1.2	63	0.7	0.4	0.0
160	Nasal cavity	68	0.8	0.7	0.1	2.3	33	0.4	0.3	0.0
161	Larynx	532	6.3	5.4	0.7	8.9	71	0.8	0.6	0.1
162	Lung	4,963	59.0	47.6	6.1	3.2	1,780	21.1	15.1	1.9
163	Pleura	229	2.7	2.2	0.3	5.4	48	0.6	0.4	0.0
164	Other respiratory organs	30	0.4	0.3	0.0	1.8	16	0.2	0.2	0.0
170	Bone	91	1.1	1.0	0.1	1.5	60	0.7	0.7	0.0
171	Connective tissue	298	3.5	3.1	0.3	1.6	191	2.3	1.9	0.2
172	Skin - melanoma	3,082	36.7	31.2	3.4	1.2	2,561	30.4	25.0	2.5
173	Skin - non-melanocytic*									
174-175	Breast	63	0.7	0.6	0.1	<0.01	7,011	83.2	65.8	7.3
180	Cervix						1,048	12.4	10.3	1.1
181	Placenta						7	0.1	0.1	0.0
179+182	Uterus						1,042	12.4	9.6	1.2
183	Ovary						999	11.9	9.1	1.1
184	Other female genital organs						203	2.4	1.6	0.2
#	Gynaecological						3,292	39.1	30.5	3.5
185	Prostate	5,057	60.2	45.2	5.0					
186	Testis	388	4.6	4.0	0.3					
187	Penis & other male genital organs	57	0.7	0.6	0.1					
188	Bladder	1,609	19.1	15.2	1.8	3.5	563	6.7	4.3	0.5
189	Kidney	861	10.2	8.5	1.0	1.7	568	6.7	5.0	0.6
190	Eye	105	1.2	1.1	0.1	1.4	79	0.9	0.8	0.1
191	Brain	564	6.7	6.0	0.6	1.3	481	5.7	4.8	0.5
192	Other nervous system	33	0.4	0.4	0.0	1.2	31	0.4	0.3	0.0
193	Thyroid	145	1.7	1.5	0.2	0.5	334	4.0	3.3	0.3
194	Other endocrine	45	0.5	0.5	0.0	1.9	23	0.3	0.3	0.0
195-199	Unknown primary site	1,437	17.1	13.8	1.6	1.5	1,254	14.9	9.5	1.1
200+202	Non-Hodgkin's lymphoma	1,202	14.3	11.9	1.3	1.4	988	11.7	8.4	1.0
201	Hodgkin's disease	195	2.3	2.1	0.2	1.4	149	1.8	1.5	0.1
200-202	Lymphoma	1,397	16.6	14.0	1.5	1.4	1,137	13.5	9.9	1.1
203	Multiple myeloma	386	4.6	3.7	0.4	1.6	302	3.6	2.2	0.3
204	Lymphatic leukaemia	432	5.1	4.9	0.4	1.7	303	3.6	2.9	0.3
205	Myeloid leukaemia	447	5.3	4.3	0.4	1.5	317	3.8	2.8	0.3
206	Monocytic leukaemia	9	0.1	0.1	0.0	1.1	9	0.1	0.1	0.0
207-208	Other and unspecified leukaemia	72	0.9	0.7	0.1	1.6	60	0.7	0.4	0.0
204-208	Leukaemia	960	11.4	10.0	0.9	1.6	689	8.2	6.2	0.6
#	Alcohol-related	331	4.0	3.5	0.5	1.6	225	2.7	2.2	0.3
#	Smoking-related	6,911	83.0	67.7	8.5	3.8	2,019	24.2	17.8	2.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

* Non-melanocytic skin cancer incidence data is not collected by State and Territory cancer registries

See Appendix A for ICD-9 codes

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 71: Mortality summary table

Australia 1989		Males					Females				
ICD-9	Cancer description	Number	Crude rate	AS Rate	PYLL (<75 yrs)	Sex ratio M:F	Number	Crude rate	AS rate	PYLL (<75 yrs)	
140-208	All cancers (excluding ICD 173)	17,173	204.3	162.8	133,085	1.6	12,965	153.8	101.6	111,304	
140	Lip	14	0.2	0.1	171	2.2	8	0.1	0.1	50	
141	Tongue	113	1.3	1.1	956	3.7	42	0.5	0.3	293	
142	Salivary gland	29	0.3	0.3	235	1.5	25	0.3	0.2	130	
143	Gum	13	0.2	0.1	156	2.5	8	0.1	0.1	32	
144	Floor of mouth	44	0.5	0.5	461	3.8	14	0.2	0.1	114	
145	Other mouth	31	0.4	0.3	237	1.6	26	0.3	0.2	169	
146	Oropharynx	96	1.1	1.0	802	5.3	23	0.3	0.2	195	
147	Nasopharynx	43	0.5	0.4	670	3.4	13	0.2	0.1	162	
148	Hypopharynx	60	0.7	0.6	587	4.9	13	0.2	0.1	186	
149	Other lip, oral cavity and pharynx	21	0.2	0.2	166	6.4	5	0.1	0.0	18	
141-149	Head and neck	450	5.4	4.6	4,269	3.4	169	2.0	1.3	1,298	
150	Oesophagus	505	6.0	4.8	3,799	2.6	269	3.2	1.8	1,124	
151	Stomach	804	9.6	7.5	4,940	2.1	508	6.0	3.5	2,733	
152	Small intestine	35	0.4	0.3	331	1.5	27	0.3	0.2	230	
153	Colon	1,585	18.9	15.1	10,723	1.3	1,553	18.4	11.4	9,612	
154	Rectum	626	7.4	6.0	4,327	2.1	389	4.6	2.9	2,379	
153-154	Colo-rectal	2,211	26.3	21.1	15,088	1.5	1,942	23.0	14.2	12,007	
155	Liver	276	3.3	2.7	2,350	2.6	126	1.5	1.0	1,227	
156	Gallbladder	131	1.6	1.2	704	0.8	203	2.4	1.4	1,047	
157	Pancreas	734	8.7	6.9	4,955	1.5	670	7.9	4.7	3,111	
158	Peritoneum	25	0.3	0.2	190	1.4	24	0.3	0.2	100	
159	Other digestive organs	116	1.4	1.1	745	1.3	134	1.6	0.9	528	
160	Nasal cavity	30	0.4	0.3	280	2.9	12	0.1	0.1	173	
161	Larynx	212	2.5	2.1	1,904	10.1	26	0.3	0.2	146	
162	Lung	4,724	56.2	44.7	31,420	3.4	1,584	18.8	13.0	12,337	
163	Pleura	120	1.4	1.2	956	9.1	14	0.2	0.1	188	
164	Other respiratory organs	15	0.2	0.2	254	1.1	13	0.2	0.1	278	
170	Bone	60	0.7	0.6	1,420	2.7	34	0.4	0.2	354	
171	Connective tissue	97	1.2	1.0	1,832	1.8	67	0.8	0.6	1,026	
172	Skin – melanoma	501	6.0	4.9	6,019	2.1	281	3.3	2.4	3,601	
173	Skin – non-melanocytic*	220	2.6	2.1	2,153	5.1	65	0.8	0.4	201	
174-175	Breast	18	0.2	0.2	131	<0.01	2,449	29.1	21.1	27,312	
180	Cervix						369	4.4	3.3	5,212	
181	Placenta						1	0.0	0.0	30	
179+182	Uterus						275	3.3	2.0	1,532	
183	Ovary						651	7.7	5.5	6,036	
184	Other female genital organs						64	0.8	0.4	439	
#	Gynaecological						1,359	16.1	11.2	13,218	
185	Prostate	2,025	24.1	17.9	5,140						
186	Testis	28	0.3	0.3	873						
187	Penis & other male genital organs	12	0.1	0.1	167						
188	Bladder	500	5.9	4.6	2,130	3.3	221	2.6	1.4	888	
189	Kidney	395	4.7	3.7	2,996	1.8	268	3.2	2.0	1,714	
190	Eye	18	0.2	0.2	235	1.4	17	0.2	0.1	141	
191	Brain	455	5.4	4.8	7,594	1.5	359	4.3	3.2	5,147	
192	Other nervous system	8	0.1	0.1	99	1.1	8	0.1	0.1	101	
193	Thyroid	19	0.2	0.2	107	0.6	43	0.5	0.3	343	
194	Other endocrine	23	0.3	0.3	539	0.5	43	0.5	0.5	1,180	
195-199	Unknown primary site	986	11.7	9.4	6,471	1.5	872	10.3	6.3	5,480	
200+202	Non-Hodgkin's lymphoma	634	7.5	6.0	6,517	1.6	493	5.8	3.7	3,855	
201	Hodgkin's disease	66	0.8	0.7	1,466	1.8	45	0.5	0.4	551	
200-202	Lymphoma	700	8.3	6.7	7,981	1.6	538	6.4	4.1	4,405	
203	Multiple myeloma	285	3.4	2.7	1,760	1.8	219	2.6	1.5	978	
204	Lymphatic leukaemia	213	2.5	2.2	3,614	1.8	149	1.8	1.2	2,342	
205	Myeloid leukaemia	376	4.5	3.6	3,963	1.7	265	3.1	2.1	2,841	
206	Monocytic leukaemia	10	0.1	0.1	132	1.8	7	0.1	0.1	116	
207-208	Other and unspecified leukaemia	42	0.5	0.4	319	1.3	36	0.4	0.3	417	
204-208	Leukaemia	641	7.6	6.3	8,027	1.7	457	5.4	3.6	5,716	
#	Alcohol-related	194	2.3	2.0	2,097	2.4	91	1.1	0.8	1,065	
#	Smoking-related	5,149	61.9	49.4	36,590	4.0	1,447	17.3	12.3	12,422	

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

See Appendix A for ICD-9 codes

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Cancer in Australia 1990

Table 72: All cancers (except non-melanocytic skin cancer) (ICD 140–172, 174–208)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	146	22.7	110	18.0	256	20.4	38	5.9	17	2.8	55	4.4
5–9	76	11.8	57	9.3	133	10.6	26	4.0	19	3.1	45	3.6
10–14	71	11.3	64	10.7	135	11.0	15	2.4	24	4.0	39	3.2
15–19	197	27.4	119	17.4	316	22.5	39	5.4	27	3.9	66	4.7
20–24	243	35.0	261	39.1	504	37.0	49	7.1	28	4.2	77	5.7
25–29	364	50.7	435	62.0	799	56.3	69	9.6	65	9.3	134	9.4
30–34	523	74.0	714	102.7	1,237	88.3	106	15.0	108	15.5	214	15.3
35–39	627	95.6	1,076	163.9	1,703	129.7	162	24.7	223	34.0	385	29.3
40–44	960	148.1	1,591	255.4	2,551	200.7	313	48.3	388	62.3	701	55.2
45–49	1,283	253.6	1,863	388.8	3,146	319.3	483	95.5	489	102.0	972	98.7
50–54	1,820	431.8	2,024	503.8	3,844	466.9	767	182.0	728	181.2	1,495	181.6
55–59	2,748	749.1	2,287	641.2	5,035	695.9	1,310	357.1	938	263.0	2,248	310.7
60–64	4,307	1,175.2	3,092	837.9	7,399	1,006.0	2,164	590.5	1,385	375.3	3,549	482.5
65–69	5,502	1,747.1	3,497	996.1	8,999	1,351.2	2,848	904.3	1,824	519.6	4,672	701.5
70–74	4,921	2,274.5	3,444	1,275.5	8,365	1,719.9	2,752	1,272.0	1,849	684.8	4,601	946.0
75–79	4,528	2,901.4	3,108	1,387.2	7,636	2,008.9	2,733	1,751.2	1,891	844.0	4,624	1,216.5
80–84	2,735	3,347.3	2,145	1,519.3	4,880	2,189.4	1,874	2,293.6	1,503	1,064.6	3,377	1,515.1
85 and over	1,490	3,537.2	1,681	1,559.6	3,171	2,115.3	1,262	2,995.9	1,527	1,416.7	2,789	1,860.4
Total	32,541		27,568		60,109		17,010		13,033		30,043	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	381.4		322.3		351.8		199.4		152.4		175.8	
Conf. interval	377.3 – 385.6		318.5 – 326.1		349.0 – 354.6		196.4 – 202.4		149.7 – 155.0		173.9 – 177.8	
AS Rate	308.4		237.4		266.2		157.7		100.0		124.5	
Conf. interval	305.0 – 311.8		234.4 – 240.3		264.0 – 268.4		155.3 – 160.1		98.1 – 101.8		123.1 – 126.0	
Lifetime risk	1 in 3		1 in 4		1 in 4							
PYLL							125,785		108,703		234,488	
Per cent of all cancers	100.0		100.0		100.0		100.0		100.0		100.0	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	10,723	302.6	9,194	232.5	19,917	260.5	5,870	162.2	4,493	101.0	10,364	126.8
Vic	7,651	293.7	6,889	232.8	14,540	256.4	4,401	165.5	3,490	105.1	7,891	130.4
Qld	5,245	319.3	4,282	245.9	9,528	277.1	2,670	158.0	1,845	94.5	4,515	122.6
WA	2,534	295.2	2,240	238.7	4,774	261.0	1,363	157.3	1,035	101.2	2,398	125.6
SA	2,752	295.1	2,407	234.3	5,159	258.2	1,469	153.3	1,162	100.3	2,631	122.6
Tas	821	293.0	717	231.7	1,537	256.9	485	170.1	382	109.8	866	135.8
ACT	285	267.4	296	231.1	581	243.0	151	154.0	134	106.1	285	125.2
NT	120	255.1	92	194.8	212	225.9	67	159.0	46	113.3	113	137.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 73: Cancer of the lip (ICD 140)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	13	1.9	2	0.3	15	1.1	0	0.0	0	0.0	0	0.0
25-29	22	3.1	5	0.7	27	1.9	0	0.0	0	0.0	0	0.0
30-34	33	4.7	6	0.9	39	2.8	0	0.0	0	0.0	0	0.0
35-39	33	5.0	12	1.8	45	3.4	0	0.0	0	0.0	0	0.0
40-44	37	5.7	11	1.8	48	3.8	0	0.0	0	0.0	0	0.0
45-49	43	8.5	3	0.6	46	4.7	0	0.0	0	0.0	0	0.0
50-54	59	14.0	10	2.5	69	8.4	0	0.0	0	0.0	0	0.0
55-59	64	17.4	12	3.4	76	10.5	1	0.3	1	0.3	2	0.3
60-64	75	20.5	26	7.0	101	13.7	1	0.3	0	0.0	1	0.1
65-69	76	24.1	20	5.7	96	14.4	1	0.3	0	0.0	1	0.2
70-74	71	32.8	40	14.8	111	22.8	0	0.0	0	0.0	0	0.0
75-79	65	41.6	37	16.5	102	26.8	2	1.3	1	0.4	3	0.8
80-84	32	39.2	30	21.2	62	27.8	1	1.2	0	0.0	1	0.4
85 and over	11	26.1	23	21.3	34	22.7	2	4.7	2	1.9	4	2.7
Total	635		237		872		8		4		12	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	7.4		2.8		5.1		0.1		0.0		0.1	
Conf. interval	6.9 – 8.0		2.4 – 3.1		4.8 – 5.4		0.0 – 0.2		0.0 – 0.1		0.0 – 0.1	
AS Rate	6.2		1.8		3.9		0.1		0.0		0.0	
Conf. interval	5.7 – 6.7		1.5 – 2.0		3.7 – 4.2		0.0 – 0.1		0.0 – 0.1		0.0 – 0.1	
Lifetime risk	1 in 146		1 in 507		1 in 229							
PYLL							32		16		48	
Per cent of all cancers	2.0		0.9		1.5		0.0		0.0		0.0	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	143	4.2	46	1.0	189	2.5	5	0.1	2	0.1	7	0.1
Vic	120	4.7	39	1.1	159	2.8	4	0.1	2	0.0	5	0.1
Qld	155	9.8	52	2.8	207	6.2	1	0.0	0	0.0	1	0.0
WA	68	8.1	20	2.0	88	5.0	1	0.2	0	0.0	2	0.1
SA	110	12.6	34	2.9	143	7.6	1	0.1	1	0.1	1	0.1
Tas	19	7.0	3	0.8	22	3.8	0	0.1	0	0.0	0	0.0
ACT	11	9.6	2	1.2	13	5.1	0	0.0	0	0.0	0	0.0
NT	0	0.7	0	0.0	0	0.4	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 74: Cancer of the tongue (ICD 141)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
20-24	1	0.1	1	0.1	2	0.1	1	0.1	1	0.1	2	0.1
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	2	0.3	0	0.0	2	0.1	1	0.1	1	0.1	2	0.1
35-39	6	0.9	5	0.8	11	0.8	0	0.0	0	0.0	0	0.0
40-44	8	1.2	2	0.3	10	0.8	2	0.3	0	0.0	2	0.2
45-49	16	3.2	9	1.9	25	2.5	10	2.0	2	0.4	12	1.2
50-54	37	8.8	13	3.2	50	6.1	9	2.1	0	0.0	9	1.1
55-59	34	9.3	6	1.7	40	5.5	15	4.1	5	1.4	20	2.8
60-64	42	11.5	21	5.7	63	8.6	19	5.2	5	1.4	24	3.3
65-69	31	9.8	16	4.6	47	7.1	23	7.3	13	3.7	36	5.4
70-74	15	6.9	13	4.8	28	5.8	22	10.2	8	3.0	30	6.2
75-79	19	12.2	10	4.5	29	7.6	9	5.8	6	2.7	15	3.9
80-84	5	6.1	11	7.8	16	7.2	11	13.5	3	2.1	14	6.3
85 and over	2	4.7	7	6.5	9	6.0	6	14.2	5	4.6	11	7.3
Total	218		116		334		128		49		177	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.6		1.4		2.0		1.5		0.6		1.0	
Conf. interval	2.2 - 2.9		1.1 - 1.6		1.7 - 2.2		1.2 - 1.8		0.4 - 0.7		0.9 - 1.2	
AS Rate	2.2		1.0		1.6		1.3		0.4		0.8	
Conf. interval	1.9 - 2.5		0.8 - 1.2		1.4 - 1.8		1.0 - 1.5		0.3 - 0.5		0.7 - 0.9	
Lifetime risk	1 in 385		1 in 856		1 in 533							
PYLL							1,178		385		1,563	
Per cent of all cancers	0.7		0.4		0.6		0.8		0.4		0.6	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	76	2.3	38	0.9	113	1.6	41	1.2	15	0.3	56	0.8
Vic	49	2.0	27	0.9	76	1.4	31	1.2	13	0.4	45	0.8
Qld	45	2.9	21	1.2	66	2.0	19	1.2	9	0.5	28	0.8
WA	18	2.2	7	0.7	25	1.5	11	1.3	4	0.4	15	0.8
SA	16	1.9	8	0.8	25	1.3	9	1.0	3	0.2	12	0.6
Tas	6	2.4	2	0.7	8	1.5	3	1.0	1	0.4	4	0.7
ACT	1	1.2	1	0.8	2	1.0	1	1.1	0	0.3	1	0.6
NT	3	5.4	1	2.3	3	4.0	1	2.5	1	1.6	2	2.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 75: Cancer of the salivary gland (ICD 142)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	3	0.4	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
25-29	2	0.3	1	0.1	3	0.2	0	0.0	0	0.0	0	0.0
30-34	0	0.0	1	0.1	1	0.1	0	0.0	1	0.1	1	0.1
35-39	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
40-44	2	0.3	2	0.3	4	0.3	1	0.2	1	0.2	2	0.2
45-49	10	2.0	7	1.5	17	1.7	0	0.0	0	0.0	0	0.0
50-54	11	2.6	5	1.2	16	1.9	0	0.0	1	0.2	1	0.1
55-59	12	3.3	2	0.6	14	1.9	4	1.1	1	0.3	5	0.7
60-64	13	3.5	4	1.1	17	2.3	7	1.9	0	0.0	7	1.0
65-69	13	4.1	11	3.1	24	3.6	8	2.5	2	0.6	10	1.5
70-74	18	8.3	5	1.9	23	4.7	1	0.5	4	1.5	5	1.0
75-79	13	8.3	3	1.3	16	4.2	6	3.8	1	0.4	7	1.8
80-84	11	13.5	7	5.0	18	8.1	7	8.6	2	1.4	9	4.0
85 and over	4	9.5	5	4.6	9	6.0	1	2.4	2	1.9	3	2.0
Total	115		55		170		35		15		50	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.3		0.6		1.0		0.4		0.2		0.3	
Conf. interval	1.1 – 1.6		0.5 – 0.8		0.8 – 1.1		0.3 – 0.5		0.1 – 0.3		0.2 – 0.4	
AS Rate	1.1		0.5		0.8		0.3		0.1		0.2	
Conf. interval	0.9 – 1.3		0.3 – 0.6		0.7 – 0.9		0.2 – 0.4		0.1 – 0.2		0.1 – 0.3	
Lifetime risk	1 in 791		1 in 1,949		1 in 1,147							
PYLL							217		129		346	
Per cent of all cancers	0.4		0.2		0.3		0.2		0.1		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	41	1.2	22	0.6	62	0.8	13	0.3	8	0.2	21	0.2
Vic	25	0.9	15	0.5	40	0.7	9	0.3	6	0.2	16	0.2
Qld	19	1.2	7	0.4	26	0.8	3	0.2	3	0.1	6	0.2
WA	8	0.9	5	0.4	13	0.6	2	0.3	2	0.2	4	0.2
SA	7	0.7	5	0.5	11	0.6	2	0.2	1	0.1	4	0.2
Tas	2	0.7	1	0.3	3	0.5	1	0.3	0	0.1	1	0.2
ACT	1	1.1	1	0.8	2	0.9	0	0.1	1	0.5	1	0.3
NT	1	1.5	0	0.7	1	1.1	1	1.5	0	0.0	1	0.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 76: Cancer of the gum (ICD 143)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
40-44	2	0.3	0	0.0	2	0.2	1	0.2	0	0.0	1	0.1
45-49	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1
50-54	1	0.2	0	0.0	1	0.1	0	0.0	1	0.2	1	0.1
55-59	1	0.3	0	0.0	1	0.1	0	0.0	1	0.3	1	0.1
60-64	2	0.5	2	0.5	4	0.5	2	0.5	0	0.0	2	0.3
65-69	3	1.0	3	0.9	6	0.9	0	0.0	1	0.3	1	0.2
70-74	4	1.8	3	1.1	7	1.4	0	0.0	0	0.0	0	0.0
75-79	3	1.9	5	2.2	8	2.1	2	1.3	0	0.0	2	0.5
80-84	1	1.2	6	4.2	7	3.1	2	2.4	1	0.7	3	1.3
85 and over	3	7.1	5	4.6	8	5.3	0	0.0	0	0.0	0	0.0
Total	21		24		45		8		4		12	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.2		0.3		0.3		0.1		0.0		0.1	
Conf. interval	0.1 – 0.4		0.2 – 0.4		0.2 – 0.3		0.0 – 0.2		0.0 – 0.1		0.0 – 0.1	
AS Rate	0.2		0.1		0.2		0.1		0.0		0.0	
Conf. interval	0.1 – 0.3		0.1 – 0.2		0.1 – 0.2		0.0 – 0.1		0.0 – 0.1		0.0 – 0.1	
Lifetime risk	1 in 4,632		1 in 7,976		1 in 5,923							
PYLL							74		43		117	
Per cent of all cancers	0.1		0.1		0.1		0.0		0.0		0.0	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	10	0.3	8	0.2	18	0.2	3	0.1	3	0.0	5	0.1
Vic	4	0.1	3	0.1	7	0.1	1	0.0	1	0.0	2	0.0
Qld	3	0.2	3	0.1	6	0.2	1	0.0	1	0.1	2	0.0
WA	2	0.2	1	0.1	3	0.2	1	0.1	0	0.0	1	0.1
SA	3	0.4	1	0.1	5	0.2	1	0.1	1	0.1	1	0.1
Tas	0	0.1	0	0.1	1	0.1	0	0.0	0	0.1	0	0.1
ACT	0	0.3	0	0.0	0	0.2	0	0.0	0	0.0	0	0.0
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 77: Cancer of the floor of mouth (ICD 144)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	4	0.6	1	0.2	5	0.4	1	0.2	0	0.0	1	0.1
40-44	3	0.5	1	0.2	4	0.3	0	0.0	0	0.0	0	0.0
45-49	11	2.2	2	0.4	13	1.3	4	0.8	1	0.2	5	0.5
50-54	14	3.3	4	1.0	18	2.2	3	0.7	3	0.7	6	0.7
55-59	18	4.9	8	2.2	26	3.6	2	0.5	2	0.6	4	0.6
60-64	22	6.0	9	2.4	31	4.2	9	2.5	2	0.5	11	1.5
65-69	26	8.3	4	1.1	30	4.5	11	3.5	1	0.3	12	1.8
70-74	7	3.2	9	3.3	16	3.3	3	1.4	1	0.4	4	0.8
75-79	7	4.5	5	2.2	12	3.2	5	3.2	4	1.8	9	2.4
80-84	1	1.2	1	0.7	2	0.9	1	1.2	1	0.7	2	0.9
85 and over	0	0.0	2	1.9	2	1.3	0	0.0	4	3.7	4	2.7
Total	113		46		159		39		19		58	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.3		0.5		0.9		0.5		0.2		0.3	
Conf. interval	1.1 – 1.6		0.4 – 0.7		0.8 – 1.1		0.3 – 0.6		0.1 – 0.3		0.3 – 0.4	
AS Rate	1.2		0.4		0.8		0.4		0.1		0.3	
Conf. interval	0.9 – 1.4		0.3 – 0.5		0.7 – 0.9		0.3 – 0.5		0.1 – 0.2		0.2 – 0.3	
Lifetime risk	1 in 691		1 in 1,839		1 in 1,010							
PYLL							390		151		541	
Per cent of all cancers	0.3		0.2		0.3		0.2		0.1		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	41	1.2	15	0.4	56	0.8	12	0.3	4	0.1	16	0.2
Vic	29	1.2	11	0.4	40	0.8	12	0.5	6	0.2	18	0.3
Qld	19	1.2	6	0.4	25	0.8	7	0.5	1	0.1	9	0.3
WA	11	1.3	4	0.4	14	0.8	4	0.5	2	0.2	6	0.3
SA	7	0.8	4	0.4	11	0.6	3	0.4	1	0.1	4	0.2
Tas	2	0.9	1	0.3	4	0.6	0	0.1	1	0.1	1	0.1
ACT	1	0.7	1	0.7	2	0.7	0	0.0	0	0.1	0	0.1
NT	1	1.5	0	0.9	1	1.2	0	0.2	0	0.5	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 78: Cancer of other and unspecified parts of mouth (ICD 145)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
20-24	0	0.0	2	0.3	2	0.1	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	2	0.3	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
35-39	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
40-44	9	1.4	4	0.6	13	1.0	0	0.0	0	0.0	0	0.0
45-49	5	1.0	4	0.8	9	0.9	1	0.2	0	0.0	1	0.1
50-54	10	2.4	9	2.2	19	2.3	1	0.2	2	0.5	3	0.4
55-59	17	4.6	8	2.2	25	3.5	10	2.7	2	0.6	12	1.7
60-64	21	5.7	10	2.7	31	4.2	5	1.4	1	0.3	6	0.8
65-69	22	7.0	14	4.0	36	5.4	4	1.3	4	1.1	8	1.2
70-74	13	6.0	13	4.8	26	5.3	6	2.8	7	2.6	13	2.7
75-79	9	5.8	10	4.5	19	5.0	4	2.6	3	1.3	7	1.8
80-84	5	6.1	8	5.7	13	5.8	3	3.7	5	3.5	8	3.6
85 and over	1	2.4	5	4.6	6	4.0	1	2.4	3	2.8	4	2.7
Total	116		91		207		35		27		62	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.4		1.1		1.2		0.4		0.3		0.4	
Conf. interval	1.1 – 1.6		0.8 – 1.3		1.0 – 1.4		0.3 – 0.5		0.2 – 0.4		0.3 – 0.5	
AS Rate	1.1		0.8		1.0		0.3		0.2		0.3	
Conf. interval	0.9 – 1.4		0.6 – 1.0		0.8 – 1.1		0.2 – 0.5		0.1 – 0.3		0.2 – 0.3	
Lifetime risk	1 in 697		1 in 1,089		1 in 855							
PYLL							284		128		412	
Per cent of all cancers	0.4		0.3		0.3		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	47	1.4	24	0.6	71	1.0	16	0.4	11	0.2	27	0.3
Vic	23	0.9	18	0.5	41	0.7	7	0.3	6	0.2	14	0.2
Qld	25	1.6	14	0.7	38	1.2	4	0.3	3	0.1	7	0.2
WA	8	1.0	4	0.4	12	0.7	3	0.4	1	0.2	5	0.3
SA	9	1.1	9	0.8	18	0.9	1	0.2	2	0.1	3	0.1
Tas	2	0.7	2	0.5	3	0.6	1	0.6	0	0.2	2	0.4
ACT	0	0.2	1	0.8	1	0.5	0	0.4	0	0.0	0	0.2
NT	1	2.7	1	1.7	2	2.2	0	0.3	0	0.0	0	0.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 79: Cancer of the oropharynx (ICD 146)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
35-39	1	0.2	0	0.0	1	0.1	2	0.3	0	0.0	2	0.2
40-44	11	1.7	1	0.2	12	0.9	2	0.3	0	0.0	2	0.2
45-49	19	3.8	3	0.6	22	2.2	6	1.2	0	0.0	6	0.6
50-54	14	3.3	1	0.2	15	1.8	10	2.4	2	0.5	12	1.5
55-59	30	8.2	8	2.2	38	5.3	14	3.8	4	1.1	18	2.5
60-64	33	9.0	10	2.7	43	5.8	19	5.2	4	1.1	23	3.1
65-69	29	9.2	15	4.3	44	6.6	17	5.4	5	1.4	22	3.3
70-74	14	6.5	7	2.6	21	4.3	7	3.2	2	0.7	9	1.9
75-79	4	2.6	5	2.2	9	2.4	4	2.6	5	2.2	9	2.4
80-84	2	2.4	3	2.1	5	2.2	2	2.4	4	2.8	6	2.7
85 and over	2	4.7	1	0.9	3	2.0	0	0.0	2	1.9	2	1.3
Total	160		54		214		83		28		111	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.9		0.6		1.3		1.0		0.3		0.6	
Conf. interval	1.6 – 2.2		0.5 – 0.8		1.1 – 1.4		0.8 – 1.2		0.2 – 0.4		0.5 – 0.8	
AS Rate	1.7		0.5		1.1		0.9		0.2		0.5	
Conf. interval	1.4 – 1.9		0.3 – 0.6		0.9 – 1.2		0.7 – 1.0		0.1 – 0.3		0.4 – 0.6	
Lifetime risk	1 in 477		1 in 1,556		1 in 737							
PYLL							945		190		1,134	
Per cent of all cancers	0.5		0.2		0.4		0.5		0.2		0.4	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	51	1.5	16	0.4	67	1.0	30	0.9	8	0.2	38	0.5
Vic	44	1.8	13	0.4	57	1.1	23	0.9	7	0.2	30	0.6
Qld	26	1.6	9	0.6	35	1.1	17	1.1	3	0.2	21	0.6
WA	13	1.5	4	0.4	17	1.0	9	1.1	3	0.3	12	0.7
SA	13	1.5	2	0.2	15	0.8	8	0.9	1	0.1	9	0.5
Tas	3	1.3	1	0.5	5	0.9	1	0.5	1	0.3	2	0.4
ACT	1	0.7	1	0.8	2	0.7	1	0.8	0	0.3	1	0.5
NT	2	2.8	1	1.1	2	2.0	1	1.2	0	0.7	1	1.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 80: Cancer of the nasopharynx (ICD 147)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	1	0.2	1	0.1	1	0.2	0	0.0	1	0.1
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	1	0.1	1	0.1
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	3	0.4	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
30-34	8	1.1	1	0.1	9	0.6	2	0.3	0	0.0	2	0.1
35-39	8	1.2	0	0.0	8	0.6	2	0.3	1	0.2	3	0.2
40-44	15	2.3	2	0.3	17	1.3	2	0.3	1	0.2	3	0.2
45-49	5	1.0	0	0.0	5	0.5	6	1.2	0	0.0	6	0.6
50-54	5	1.2	4	1.0	9	1.1	5	1.2	0	0.0	5	0.6
55-59	7	1.9	6	1.7	13	1.8	8	2.2	1	0.3	9	1.2
60-64	8	2.2	1	0.3	9	1.2	9	2.5	2	0.5	11	1.5
65-69	6	1.9	4	1.1	10	1.5	5	1.6	2	0.6	7	1.1
70-74	8	3.7	3	1.1	11	2.3	5	2.3	2	0.7	7	1.4
75-79	4	2.6	4	1.8	8	2.1	2	1.3	3	1.3	5	1.3
80-84	1	1.2	2	1.4	3	1.3	3	3.7	0	0.0	3	1.3
85 and over	0	0.0	0	0.0	0	0.0	2	4.7	0	0.0	2	1.3
Total	80		28		108		52		13		65	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.9		0.3		0.6		0.6		0.2		0.4	
Conf. interval	0.7 – 1.1		0.2 – 0.4		0.5 – 0.8		0.4 – 0.8		0.1 – 0.2		0.3 – 0.5	
AS Rate	0.8		0.3		0.5		0.5		0.1		0.3	
Conf. interval	0.6 – 1.0		0.2 – 0.4		0.4 – 0.6		0.4 – 0.7		0.0 – 0.2		0.2 – 0.4	
Lifetime risk	1 in 1,161		1 in 3,433		1 in 1,754							
PYLL							759		177		935	
Per cent of all cancers	0.2		0.1		0.2		0.3		0.1		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	29	0.9	10	0.3	39	0.6	18	0.5	5	0.1	23	0.3
Vic	20	0.8	8	0.3	27	0.6	9	0.4	5	0.2	14	0.3
Qld	9	0.6	3	0.2	12	0.4	6	0.4	2	0.1	8	0.2
WA	5	0.6	1	0.2	6	0.4	4	0.5	1	0.1	5	0.3
SA	5	0.6	1	0.1	6	0.4	3	0.3	1	0.1	4	0.2
Tas	3	1.1	1	0.2	4	0.7	2	0.6	0	0.2	2	0.4
ACT	1	0.6	0	0.2	1	0.4	0	0.2	0	0.0	0	0.1
NT	1	1.3	0	0.6	1	1.0	1	1.7	0	0.0	1	0.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 81: Cancer of the hypopharynx (ICD 148)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	3	0.5	1	0.2	4	0.3	0	0.0	0	0.0	0	0.0
45-49	6	1.2	0	0.0	6	0.6	3	0.6	0	0.0	3	0.3
50-54	10	2.4	2	0.5	12	1.5	7	1.7	2	0.5	9	1.1
55-59	32	8.7	4	1.1	36	5.0	8	2.2	0	0.0	8	1.1
60-64	37	10.1	1	0.3	38	5.2	12	3.3	2	0.5	14	1.9
65-69	33	10.5	0	0.0	33	5.0	15	4.8	0	0.0	15	2.3
70-74	15	6.9	4	1.5	19	3.9	9	4.2	0	0.0	9	1.9
75-79	10	6.4	3	1.3	13	3.4	6	3.8	2	0.9	8	2.1
80-84	5	6.1	0	0.0	5	2.2	2	2.4	3	2.1	5	2.2
85 and over	3	7.1	0	0.0	3	2.0	0	0.0	1	0.9	1	0.7
Total	154		15		169		62		10		72	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.8		0.2		1.0		0.7		0.1		0.4	
Conf. interval	1.5 – 2.1		0.1 – 0.3		0.8 – 1.1		0.5 – 0.9		0.0 – 0.2		0.3 – 0.5	
AS Rate	1.6		0.1		0.8		0.6		0.1		0.3	
Conf. interval	1.3 – 1.8		0.1 – 0.2		0.7 – 0.9		0.5 – 0.8		0.0 – 0.1		0.3 – 0.4	
Lifetime risk	1 in 497		1 in 5,663		1 in 936							
PYLL							570		64		634	
Per cent of all cancers	0.5		0.1		0.3		0.4		0.1		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	51	1.5	7	0.2	57	0.8	20	0.6	4	0.1	25	0.3
Vic	41	1.7	5	0.2	46	0.9	14	0.6	2	0.1	16	0.3
Qld	29	1.9	4	0.2	33	1.0	11	0.7	1	0.1	12	0.4
WA	8	1.1	1	0.1	9	0.6	5	0.6	1	0.1	6	0.4
SA	11	1.3	2	0.3	13	0.7	6	0.6	2	0.2	7	0.4
Tas	3	0.9	0	0.0	3	0.5	1	0.5	0	0.1	2	0.3
ACT	0	0.4	0	0.0	0	0.2	0	0.2	0	0.0	0	0.1
NT	1	2.2	0	1.4	1	1.9	0	0.6	0	1.3	1	1.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 82: Cancer of other sites within the lip, oral cavity and pharynx (ICD 149)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
45-49	5	1.0	0	0.0	5	0.5	3	0.6	0	0.0	3	0.3
50-54	3	0.7	0	0.0	3	0.4	0	0.0	0	0.0	0	0.0
55-59	3	0.8	2	0.6	5	0.7	2	0.5	0	0.0	2	0.3
60-64	7	1.9	2	0.5	9	1.2	3	0.8	0	0.0	3	0.4
65-69	8	2.5	3	0.9	11	1.7	1	0.3	2	0.6	3	0.5
70-74	1	0.5	1	0.4	2	0.4	2	0.9	3	1.1	5	1.0
75-79	0	0.0	1	0.4	1	0.3	1	0.6	0	0.0	1	0.3
80-84	0	0.0	1	0.7	1	0.4	1	1.2	1	0.7	2	0.9
85 and over	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0	1	0.7
Total	29		10		39		14		6		20	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.3		0.1		0.2		0.2		0.1		0.1	
Conf. interval	0.2 – 0.5		0.0 – 0.2		0.2 – 0.3		0.1 – 0.3		0.0 – 0.1		0.1 – 0.2	
AS Rate	0.3		0.1		0.2		0.1		0.0		0.1	
Conf. interval	0.2 – 0.4		0.0 – 0.1		0.1 – 0.3		0.1 – 0.2		0.0 – 0.1		0.0 – 0.1	
Lifetime risk	1 in 2,590		1 in 8,593		1 in 4,002							
PYLL							144		21		165	
Per cent of all cancers	0.1		0.0		0.1		0.1		0.0		0.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	11	0.3	3	0.1	13	0.2	7	0.2	2	0.1	9	0.1
Vic	8	0.3	2	0.1	10	0.2	5	0.2	3	0.1	8	0.1
Qld	9	0.6	3	0.1	12	0.4	4	0.3	1	0.0	5	0.1
WA	5	0.6	1	0.1	6	0.4	1	0.1	1	0.1	1	0.1
SA	1	0.1	0	0.0	2	0.1	1	0.1	0	0.0	1	0.0
Tas	1	0.3	0	0.0	1	0.1	1	0.5	0	0.0	1	0.2
ACT	0	0.0	0	0.1	0	0.1	0	0.0	0	0.0	0	0.0
NT	1	1.8	0	0.7	1	1.4	0	0.9	0	0.0	0	0.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 83: Cancers of the head and neck (ICD 141–149)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5–9	0	0.0	1	0.2	1	0.1	1	0.2	0	0.0	1	0.1
10–14	0	0.0	2	0.3	2	0.2	0	0.0	0	0.0	0	0.0
15–19	2	0.3	2	0.3	4	0.3	0	0.0	1	0.1	1	0.1
20–24	5	0.7	3	0.4	8	0.6	1	0.1	1	0.1	2	0.1
25–29	6	0.8	3	0.4	9	0.6	0	0.0	0	0.0	0	0.0
30–34	13	1.8	2	0.3	15	1.1	3	0.4	2	0.3	5	0.4
35–39	24	3.7	8	1.2	32	2.4	5	0.8	1	0.2	6	0.5
40–44	54	8.3	13	2.1	67	5.3	8	1.2	2	0.3	10	0.8
45–49	77	15.2	25	5.2	102	10.4	34	6.7	3	0.6	37	3.8
50–54	105	24.9	38	9.5	143	17.4	35	8.3	11	2.7	46	5.6
55–59	154	42.0	44	12.3	198	27.4	63	17.2	16	4.5	79	10.9
60–64	185	50.5	60	16.3	245	33.3	85	23.2	16	4.3	101	13.7
65–69	171	54.3	70	19.9	241	36.2	84	26.7	30	8.5	114	17.1
70–74	95	43.9	58	21.5	153	31.5	55	25.4	27	10.0	82	16.9
75–79	69	44.2	46	20.5	115	30.3	39	25.0	24	10.7	63	16.6
80–84	31	37.9	39	27.6	70	31.4	32	39.2	20	14.2	52	23.3
85 and over	15	35.6	25	23.2	40	26.7	11	26.1	17	15.8	28	18.7
Total	1,006		439		1,445		456		171		627	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	11.8		5.1		8.5		5.3		2.0		3.7	
Conf. interval	11.1 – 12.5		4.7 – 5.6		8.0 – 8.9		4.9 – 5.8		1.7 – 2.3		3.4 – 4.0	
AS Rate	10.2		3.8		6.9		4.5		1.3		2.8	
Conf. interval	9.5 – 10.8		3.4 – 4.1		6.5 – 7.3		4.1 – 4.9		1.1 – 1.5		2.6 – 3.1	
Lifetime risk	1 in 82		1 in 223		1 in 121							
PYLL							4,560		1,287		5,847	
Per cent of all cancers	3.1		1.6		2.4		2.7		1.3		2.1	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	355	10.6	85	2.1	498	7.0	160	4.6	60	1.4	104	1.4
Vic	242	9.8	58	1.9	344	6.5	112	4.4	50	1.5	78	1.4
Qld	184	11.9	43	2.5	253	7.9	73	4.6	25	1.2	45	1.3
WA	77	9.5	16	1.6	105	6.1	41	5.0	15	1.4	26	1.5
SA	73	8.4	22	2.0	106	5.7	34	3.7	12	1.0	21	1.0
Tas	22	8.4	5	1.7	31	5.5	11	4.1	5	1.5	7	1.3
ACT	6	5.1	3	2.3	11	4.6	3	2.7	2	1.2	2	0.8
NT	10	19.3	2	4.8	13	14.9	4	8.9	1	4.1	2	2.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 84: Cancer of the oesophagus (ICD 150)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	1	0.1
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	2	0.3	2	0.1	2	0.3	0	0.0	2	0.1
35-39	5	0.8	0	0.0	5	0.4	4	0.6	0	0.0	4	0.3
40-44	4	0.6	1	0.2	5	0.4	6	0.9	1	0.2	7	0.6
45-49	15	3.0	5	1.0	20	2.0	8	1.6	6	1.3	14	1.4
50-54	32	7.6	7	1.7	39	4.7	29	6.9	3	0.7	32	3.9
55-59	48	13.1	14	3.9	62	8.6	52	14.2	12	3.4	64	8.8
60-64	93	25.4	38	10.3	131	17.8	77	21.0	24	6.5	101	13.7
65-69	105	33.3	39	11.1	144	21.6	110	34.9	32	9.1	142	21.3
70-74	77	35.6	58	21.5	135	27.8	80	37.0	33	12.2	113	23.2
75-79	63	40.4	45	20.1	108	28.4	67	42.9	39	17.4	106	27.9
80-84	32	39.2	47	33.3	79	35.4	43	52.6	40	28.3	83	37.2
85 and over	19	45.1	35	32.5	54	36.0	22	52.2	34	31.5	56	37.4
Total	493		291		784		501		224		725	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	5.8		3.4		4.6		5.9		2.6		4.2	
Conf. interval	5.3 – 6.3		3.0 – 3.8		4.3 – 4.9		5.4 – 6.4		2.3 – 3.0		3.9 – 4.6	
AS Rate	4.7		2.0		3.3		4.7		1.5		3.0	
Conf. interval	4.3 – 5.1		1.8 – 2.3		3.1 – 3.6		4.3 – 5.1		1.3 – 1.7		2.8 – 3.2	
Lifetime risk	1 in 168		1 in 400		1 in 240							
PYLL							3,670		1,004		4,674	
Per cent of all cancers	1.5		1.1		1.3		2.9		1.7		2.4	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	157	4.4	99	2.0	256	3.1	161	4.5	93	1.8	254	3.1
Vic	129	5.0	88	2.4	217	3.6	141	5.4	78	2.0	218	3.6
Qld	65	3.9	39	1.8	103	2.8	71	4.2	34	1.5	104	2.8
WA	36	4.2	18	1.6	54	2.8	39	4.5	18	1.5	57	2.9
SA	37	3.9	22	1.8	59	2.8	34	3.4	18	1.3	51	2.3
Tas	18	6.6	11	2.7	29	4.6	16	5.8	8	2.1	25	3.9
ACT	5	4.6	3	2.3	8	3.4	5	5.4	2	1.3	7	3.2
NT	3	7.1	1	2.3	4	4.8	2	4.4	0	0.3	3	2.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 85: Cancer of the stomach (ICD 151)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
25-29	3	0.4	7	1.0	10	0.7	1	0.1	1	0.1	2	0.1
30-34	7	1.0	5	0.7	12	0.9	3	0.4	7	1.0	10	0.7
35-39	14	2.1	13	2.0	27	2.1	6	0.9	8	1.2	14	1.1
40-44	25	3.9	19	3.1	44	3.5	14	2.2	3	0.5	17	1.3
45-49	43	8.5	14	2.9	57	5.8	28	5.5	7	1.5	35	3.6
50-54	60	14.2	22	5.5	82	10.0	30	7.1	18	4.5	48	5.8
55-59	107	29.2	30	8.4	137	18.9	52	14.2	28	7.9	80	11.1
60-64	154	42.0	51	13.8	205	27.9	84	22.9	45	12.2	129	17.5
65-69	167	53.0	82	23.4	249	37.4	122	38.7	51	14.5	173	26.0
70-74	213	98.4	82	30.4	295	60.7	139	64.2	64	23.7	203	41.7
75-79	180	115.3	103	46.0	283	74.5	132	84.6	81	36.2	213	56.0
80-84	129	157.9	86	60.9	215	96.5	105	128.5	77	54.5	182	81.7
85 and over	66	156.7	76	70.5	142	94.7	65	154.3	95	88.1	160	106.7
Total	1,168		593		1,761		781		485		1,266	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	13.7		6.9		10.3		9.2		5.7		7.4	
Conf. interval	12.9 – 14.5		6.4 – 7.5		9.8 – 10.8		8.5 – 9.8		5.2 – 6.2		7.0 – 7.8	
AS Rate	10.8		4.2		7.2		7.1		3.3		5.0	
Conf. interval	10.2 – 11.4		3.9 – 4.6		6.9 – 7.6		6.6 – 7.6		3.0 – 3.6		4.7 – 5.2	
Lifetime risk	1 in 80		1 in 219		1 in 120							
PYLL							4,782		2,700		7,482	
Per cent of all cancers	3.6		2.2		2.9		4.6		3.7		4.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	382	10.5	218	4.5	601	7.2	277	7.5	177	3.5	455	5.3
Vic	323	12.2	185	5.2	508	8.3	237	8.8	149	4.0	386	6.1
Qld	174	10.1	77	3.7	251	6.6	124	7.1	63	2.7	187	4.7
WA	97	11.1	55	5.1	152	7.9	73	8.2	44	3.9	117	5.8
SA	105	11.0	57	4.3	161	7.3	81	8.4	49	3.5	131	5.7
Tas	37	12.5	21	5.5	57	8.7	31	10.5	17	3.9	47	6.8
ACT	11	10.1	7	5.6	18	7.5	8	8.1	5	3.4	13	5.5
NT	2	5.4	1	2.0	3	3.6	2	6.0	1	1.4	3	3.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 86: Cancer of the small intestine (ICD 152)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	2	0.3	2	0.1	0	0.0	0	0.0	0	0.0
35-39	3	0.5	2	0.3	5	0.4	1	0.2	1	0.2	2	0.2
40-44	2	0.3	2	0.3	4	0.3	3	0.5	0	0.0	3	0.2
45-49	3	0.6	2	0.4	5	0.5	1	0.2	1	0.2	2	0.2
50-54	2	0.5	10	2.5	12	1.5	7	1.7	3	0.7	10	1.2
55-59	12	3.3	6	1.7	18	2.5	5	1.4	4	1.1	9	1.2
60-64	12	3.3	9	2.4	21	2.9	3	0.8	1	0.3	4	0.5
65-69	16	5.1	10	2.8	26	3.9	6	1.9	4	1.1	10	1.5
70-74	9	4.2	8	3.0	17	3.5	5	2.3	0	0.0	5	1.0
75-79	8	5.1	6	2.7	14	3.7	3	1.9	6	2.7	9	2.4
80-84	2	2.4	4	2.8	6	2.7	2	2.4	2	1.4	4	1.8
85 and over	2	4.7	1	0.9	3	2.0	4	9.5	3	2.8	7	4.7
Total	72		62		134		40		25		65	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.8		0.7		0.8		0.5		0.3		0.4	
Conf. interval	0.6 – 1.0		0.5 – 0.9		0.7 – 0.9		0.3 – 0.6		0.2 – 0.4		0.3 – 0.5	
AS Rate	0.7		0.6		0.6		0.4		0.2		0.3	
Conf. interval	0.5 – 0.9		0.4 – 0.7		0.5 – 0.7		0.3 – 0.5		0.1 – 0.3		0.2 – 0.4	
Lifetime risk	1 in 1,126		1 in 1,455		1 in 1,281							
PYLL							433		225		658	
Per cent of all cancers	0.2		0.2		0.2		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	25	0.7	19	0.5	45	0.6	12	0.3	12	0.3	24	0.3
Vic	16	0.6	14	0.5	30	0.5	8	0.3	6	0.2	14	0.2
Qld	12	0.7	10	0.5	22	0.6	7	0.4	5	0.3	12	0.3
WA	7	0.8	5	0.6	12	0.7	2	0.3	2	0.2	5	0.3
SA	8	0.9	4	0.3	11	0.6	3	0.3	3	0.3	6	0.3
Tas	1	0.5	1	0.4	2	0.5	0	0.2	1	0.3	1	0.2
ACT	1	1.3	1	0.5	2	0.9	1	0.8	1	0.6	1	0.6
NT	1	1.6	0	0.5	1	1.1	0	0.6	0	0.4	0	0.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 87: Cancer of the colon (ICD 153)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	1	0.1	1	0.1	1	0.1	0	0.0	1	0.1
20-24	3	0.4	3	0.4	6	0.4	0	0.0	3	0.4	3	0.2
25-29	11	1.5	4	0.6	15	1.1	3	0.4	2	0.3	5	0.4
30-34	12	1.7	18	2.6	30	2.1	2	0.3	6	0.9	8	0.6
35-39	27	4.1	30	4.6	57	4.3	8	1.2	10	1.5	18	1.4
40-44	63	9.7	60	9.6	123	9.7	27	4.2	25	4.0	52	4.1
45-49	112	22.1	115	24.0	227	23.0	42	8.3	41	8.6	83	8.4
50-54	191	45.3	174	43.3	365	44.3	68	16.1	85	21.2	153	18.6
55-59	272	74.2	228	63.9	500	69.1	117	31.9	101	28.3	218	30.1
60-64	426	116.2	321	87.0	747	101.6	208	56.8	160	43.4	368	50.0
65-69	515	163.5	397	113.1	912	136.9	272	86.4	216	61.5	488	73.3
70-74	454	209.8	437	161.8	891	183.2	244	112.8	216	80.0	460	94.6
75-79	405	259.5	397	177.2	802	211.0	272	174.3	240	107.1	512	134.7
80-84	244	298.6	302	213.9	546	245.0	170	208.1	184	130.3	354	158.8
85 and over	139	330.0	253	234.7	392	261.5	103	244.5	241	223.6	344	229.5
Total	2,874		2,741		5,615		1,537		1,530		3,067	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	33.7		32.0		32.9		18.0		17.9		18.0	
Conf. interval	32.5 – 34.9		30.8 – 33.2		32.0 – 33.7		17.1 – 18.9		17.0 – 18.8		17.3 – 18.6	
AS Rate	27.1		21.4		23.9		14.1		11.2		12.4	
Conf. interval	26.1 – 28.2		20.5 – 22.3		23.3 – 24.6		13.4 – 14.8		10.6 – 11.8		12.0 – 12.9	
Lifetime risk	1 in 31		1 in 40		1 in 35							
PYLL							9,912		9,811		19,723	
Per cent of all cancers	8.8		9.9		9.3		9.0		11.7		10.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	973	27.3	916	20.8	1,889	23.6	551	15.3	537	11.4	1,088	13.1
Vic	712	26.9	750	22.6	1,462	24.4	433	16.1	447	12.5	881	14.1
Qld	478	29.0	446	23.2	924	25.9	259	15.4	253	12.2	512	13.7
WA	206	24.2	212	20.7	419	22.3	123	14.2	124	11.4	246	12.6
SA	235	24.9	249	21.4	484	22.9	110	11.7	122	9.8	233	10.6
Tas	74	26.6	77	21.6	151	24.0	46	16.0	53	13.6	98	14.8
ACT	26	24.1	27	21.9	53	23.3	16	16.1	17	13.6	33	14.8
NT	7	16.9	8	21.2	15	18.6	3	9.0	4	10.8	7	9.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 88: Cancer of the rectum (ICD 154)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
20-24	1	0.1	1	0.1	2	0.1	0	0.0	1	0.1	1	0.1
25-29	2	0.3	2	0.3	4	0.3	2	0.3	0	0.0	2	0.1
30-34	6	0.8	13	1.9	19	1.4	3	0.4	2	0.3	5	0.4
35-39	18	2.7	21	3.2	39	3.0	3	0.5	3	0.5	6	0.5
40-44	46	7.1	43	6.9	89	7.0	17	2.6	5	0.8	22	1.7
45-49	80	15.8	48	10.0	128	13.0	22	4.3	9	1.9	31	3.1
50-54	143	33.9	75	18.7	218	26.5	32	7.6	25	6.2	57	6.9
55-59	204	55.6	117	32.8	321	44.4	54	14.7	18	5.0	72	10.0
60-64	278	75.9	144	39.0	422	57.4	89	24.3	35	9.5	124	16.9
65-69	315	100.0	194	55.3	509	76.4	121	38.4	55	15.7	176	26.4
70-74	277	128.0	189	70.0	466	95.8	108	49.9	66	24.4	174	35.8
75-79	250	160.2	165	73.6	415	109.2	90	57.7	57	25.4	147	38.7
80-84	138	168.9	145	102.7	283	127.0	66	80.8	68	48.2	134	60.1
85 and over	86	204.2	108	100.2	194	129.4	45	106.8	69	64.0	114	76.0
Total	1,845		1,266		3,111		652		413		1,065	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	21.6		14.8		18.2		7.6		4.8		6.2	
Conf. interval	20.6 – 22.6		14.0 – 15.6		17.6 – 18.8		7.1 – 8.2		4.4 – 5.3		5.9 – 6.6	
AS Rate	17.6		10.0		13.5		6.1		2.9		4.4	
Conf. interval	16.8 – 18.4		9.4 – 10.6		13.0 – 14.0		5.6 – 6.6		2.6 – 3.2		4.1 – 4.6	
Lifetime risk	1 in 48		1 in 84		1 in 62							
PYLL							4,712		2,343		7,055	
Per cent of all cancers	5.7		4.6		5.2		3.8		3.2		3.5	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	582	16.7	406	9.4	989	12.8	199	5.6	134	2.8	332	4.0
Vic	462	17.9	334	10.5	796	13.9	184	6.9	129	3.6	313	5.1
Qld	241	14.7	158	8.2	399	11.3	92	5.6	52	2.4	145	3.9
WA	135	15.9	104	10.6	239	13.0	52	6.0	34	3.1	86	4.4
SA	159	17.3	118	10.6	277	13.7	73	7.8	49	4.1	122	5.7
Tas	44	15.7	34	10.5	77	12.9	19	6.5	11	3.0	30	4.6
ACT	18	17.4	12	9.6	30	13.1	6	6.5	4	3.2	10	4.5
NT	5	10.9	2	4.7	7	7.9	2	4.5	1	2.7	3	3.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 89: Cancer of the colon and rectum (153–154)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15–19	0	0.0	2	0.3	2	0.1	1	0.1	0	0.0	1	0.1
20–24	4	0.6	4	0.6	8	0.6	0	0.0	4	0.6	4	0.3
25–29	13	1.8	6	0.9	19	1.3	5	0.7	2	0.3	7	0.5
30–34	18	2.5	31	4.5	49	3.5	5	0.7	8	1.2	13	0.9
35–39	45	6.9	51	7.8	96	7.3	11	1.7	13	2.0	24	1.8
40–44	109	16.8	103	16.5	212	16.7	44	6.8	30	4.8	74	5.8
45–49	192	37.9	163	34.0	355	36.0	64	12.6	50	10.4	114	11.6
50–54	334	79.2	249	62.0	583	70.8	100	23.7	110	27.4	210	25.5
55–59	476	129.8	345	96.7	821	113.5	171	46.6	119	33.4	290	40.1
60–64	704	192.1	465	126.0	1,169	158.9	297	81.0	195	52.8	492	66.9
65–69	830	263.6	591	168.3	1,421	213.4	393	124.8	271	77.2	664	99.7
70–74	731	337.9	626	231.8	1,357	279.0	352	162.7	282	104.4	634	130.4
75–79	655	419.7	562	250.8	1,217	320.2	362	232.0	297	132.6	659	173.4
80–84	382	467.5	447	316.6	829	371.9	236	288.8	252	178.5	488	218.9
85 and over	225	534.1	361	334.9	586	390.9	148	351.3	310	287.6	458	305.5
Total	4,719		4,007		8,726		2,189		1,943		4,132	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	55.3		46.8		51.1		25.7		22.7		24.2	
Conf. interval	53.7 – 56.9		45.4 – 48.3		50.0 – 52.1		24.6 – 26.7		21.7 – 23.7		23.4 – 24.9	
AS Rate	44.8		31.4		37.4		20.2		14.1		16.8	
Conf. interval	43.5 – 46.1		30.3 – 32.4		36.6 – 38.2		19.3 – 21.1		13.4 – 14.7		16.3 – 17.3	
Lifetime risk	1 in 19		1 in 27		1 in 23							
PYLL							14,624		12,154		26,778	
Per cent of all cancers	14.5		14.5		14.5		12.9		14.9		13.8	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,555	44.0	1,322	30.2	2,877	36.4	750	20.8	671	14.2	1,420	17.1
Vic	1,174	44.8	1,085	33.1	2,259	38.3	617	23.1	577	16.1	1,194	19.2
Qld	719	43.7	604	31.4	1,323	37.2	351	21.0	305	14.6	656	17.6
WA	341	40.1	316	31.3	657	35.3	175	20.2	157	14.5	332	17.1
SA	394	42.2	367	32.0	761	36.6	183	19.5	172	13.9	355	16.3
Tas	118	42.3	111	32.1	228	37.0	65	22.5	64	16.6	129	19.4
ACT	44	41.5	39	31.5	83	36.4	22	22.6	21	16.8	43	19.3
NT	12	27.8	10	25.9	21	26.5	5	13.5	5	13.6	10	13.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 90: Cancer of the liver and intrahepatic bile ducts (ICD 155)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	3	0.5	3	0.5	6	0.5	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	1	0.1	3	0.4	4	0.3	0	0.0	2	0.3	2	0.1
30-34	8	1.1	1	0.1	9	0.6	3	0.4	0	0.0	3	0.2
35-39	2	0.3	7	1.1	9	0.7	4	0.6	2	0.3	6	0.5
40-44	6	0.9	5	0.8	11	0.9	7	1.1	4	0.6	11	0.9
45-49	16	3.2	3	0.6	19	1.9	13	2.6	2	0.4	15	1.5
50-54	20	4.7	4	1.0	24	2.9	21	5.0	9	2.2	30	3.6
55-59	24	6.5	6	1.7	30	4.1	26	7.1	5	1.4	31	4.3
60-64	39	10.6	11	3.0	50	6.8	37	10.1	22	6.0	59	8.0
65-69	39	12.4	11	3.1	50	7.5	46	14.6	12	3.4	58	8.7
70-74	43	19.9	9	3.3	52	10.7	55	25.4	18	6.7	73	15.0
75-79	25	16.0	14	6.2	39	10.3	36	23.1	15	6.7	51	13.4
80-84	19	23.3	3	2.1	22	9.9	19	23.3	11	7.8	30	13.5
85 and over	2	4.7	3	2.8	5	3.3	11	26.1	9	8.3	20	13.3
Total	248		83		331		278		111		389	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.9		1.0		1.9		3.3		1.3		2.3	
Conf. interval	2.5 - 3.3		0.8 - 1.2		1.7 - 2.1		2.9 - 3.6		1.1 - 1.5		2.1 - 2.5	
AS Rate	2.4		0.7		1.5		2.6		0.9		1.7	
Conf. interval	2.1 - 2.7		0.6 - 0.9		1.4 - 1.7		2.3 - 3.0		0.7 - 1.1		1.5 - 1.9	
Lifetime risk	1 in 331		1 in 1,276		1 in 541							
PYLL							2,365		970		3,335	
Per cent of all cancers	0.8		0.3		0.6		1.6		0.9		1.3	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	74	2.1	24	0.6	98	1.3	84	2.3	43	1.0	127	1.6
Vic	68	2.6	23	0.8	91	1.6	77	3.0	34	1.0	111	1.9
Qld	40	2.6	18	1.0	58	1.8	35	2.1	17	1.0	53	1.5
WA	21	2.4	8	0.8	29	1.5	20	2.3	8	0.8	28	1.5
SA	17	1.8	7	0.8	24	1.3	21	2.2	10	1.0	31	1.5
Tas	7	2.6	1	0.4	9	1.4	8	2.9	4	1.0	11	1.9
ACT	2	1.9	1	0.9	3	1.4	2	2.8	2	1.3	4	1.9
NT	3	8.9	1	3.2	5	6.1	3	8.0	1	3.6	4	5.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 91: Cancer of the gallbladder and extrahepatic bile ducts (ICD 156)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	4	0.6	1	0.1	5	0.4	0	0.0	0	0.0	0	0.0
35-39	7	1.1	2	0.3	9	0.7	0	0.0	0	0.0	0	0.0
40-44	3	0.5	8	1.3	11	0.9	0	0.0	4	0.6	4	0.3
45-49	7	1.4	10	2.1	17	1.7	1	0.2	3	0.6	4	0.4
50-54	18	4.3	14	3.5	32	3.9	9	2.1	8	2.0	17	2.1
55-59	26	7.1	9	2.5	35	4.8	5	1.4	15	4.2	20	2.8
60-64	21	5.7	29	7.9	50	6.8	13	3.5	16	4.3	29	3.9
65-69	48	15.2	40	11.4	88	13.2	17	5.4	23	6.6	40	6.0
70-74	44	20.3	40	14.8	84	17.3	15	6.9	29	10.7	44	9.0
75-79	32	20.5	54	24.1	86	22.6	24	15.4	37	16.5	61	16.0
80-84	16	19.6	38	26.9	54	24.2	13	15.9	21	14.9	34	15.3
85 and over	19	45.1	36	33.4	55	36.7	14	33.2	23	21.3	37	24.7
Total	245		281		526		111		179		290	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.9		3.3		3.1		1.3		2.1		1.7	
Conf. interval	2.5 - 3.2		2.9 - 3.7		2.8 - 3.3		1.1 - 1.5		1.8 - 2.4		1.5 - 1.9	
AS Rate	2.3		2.0		2.2		1.0		1.3		1.1	
Conf. interval	2.0 - 2.6		1.7 - 2.3		2.0 - 2.3		0.8 - 1.2		1.1 - 1.5		1.0 - 1.3	
Lifetime risk	1 in 357		1 in 456		1 in 403							
PYLL							554		1,007		1,561	
Per cent of all cancers	0.8		1.0		0.9		0.7		1.4		1.0	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	71	2.0	93	2.0	164	2.0	41	1.1	65	1.3	106	1.2
Vic	57	2.2	80	2.3	136	2.2	33	1.2	56	1.5	88	1.4
Qld	26	1.6	43	2.1	70	1.9	18	1.0	33	1.6	51	1.3
WA	17	2.0	16	1.6	33	1.7	11	1.3	11	1.0	22	1.1
SA	21	2.1	34	2.6	55	2.4	14	1.4	24	1.7	38	1.6
Tas	4	1.2	7	2.0	11	1.6	3	1.0	6	1.5	9	1.2
ACT	1	1.4	4	2.9	5	2.3	1	1.0	2	1.4	3	1.3
NT	0	1.2	1	3.8	2	2.5	0	0.6	1	3.4	1	2.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 92: Cancer of the pancreas (ICD 157)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	2	0.3	2	0.1	0	0.0	0	0.0	0	0.0
25-29	1	0.1	2	0.3	3	0.2	1	0.1	1	0.1	2	0.1
30-34	2	0.3	1	0.1	3	0.2	3	0.4	1	0.1	4	0.3
35-39	8	1.2	1	0.2	9	0.7	6	0.9	4	0.6	10	0.8
40-44	9	1.4	5	0.8	14	1.1	13	2.0	1	0.2	14	1.1
45-49	23	4.5	8	1.7	31	3.1	22	4.3	8	1.7	30	3.0
50-54	35	8.3	15	3.7	50	6.1	34	8.1	27	6.7	61	7.4
55-59	48	13.1	47	13.2	95	13.1	56	15.3	56	15.7	112	15.5
60-64	106	28.9	64	17.3	170	23.1	102	27.8	66	17.9	168	22.8
65-69	127	40.3	85	24.2	212	31.8	133	42.2	96	27.3	229	34.4
70-74	102	47.1	88	32.6	190	39.1	115	53.2	98	36.3	213	43.8
75-79	95	60.9	110	49.1	205	53.9	105	67.3	107	47.8	212	55.8
80-84	67	82.0	87	61.6	154	69.1	66	80.8	100	70.8	166	74.5
85 and over	48	113.9	83	77.0	131	87.4	53	125.8	92	85.4	145	96.7
Total	671		598		1,269		709		657		1,366	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	7.9		7.0		7.4		8.3		7.7		8.0	
Conf. interval	7.3 – 8.5		6.4 – 7.6		7.0 – 7.8		7.7 – 8.9		7.1 – 8.3		7.6 – 8.4	
AS Rate	6.3		4.2		5.1		6.6		4.7		5.5	
Conf. interval	5.8 – 6.8		3.8 – 4.5		4.9 – 5.4		6.1 – 7.1		4.3 – 5.0		5.2 – 5.9	
Lifetime risk	1 in 138		1 in 212		1 in 169							
PYLL							4,957		3,547		8,504	
Per cent of all cancers	2.1		2.2		2.1		4.2		5.0		4.5	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	257	7.1	230	4.8	487	5.8	259	7.1	232	4.8	491	5.8
Vic	187	7.0	178	4.9	366	5.8	186	6.9	184	4.9	370	5.8
Qld	88	5.2	73	3.7	160	4.4	101	6.0	88	4.2	189	5.0
WA	49	5.8	42	3.9	91	4.8	56	6.6	47	4.3	103	5.4
SA	65	6.7	59	4.8	124	5.7	66	6.8	60	4.7	125	5.7
Tas	16	5.9	17	4.4	34	5.1	15	5.5	16	4.0	32	4.8
ACT	6	6.5	5	4.1	12	5.3	7	7.2	6	4.7	12	5.8
NT	1	3.7	2	6.5	4	5.1	2	3.9	2	5.2	3	4.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 93: Cancer of the retroperitoneum and peritoneum (ICD 158)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	1	0.2	2	0.2	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
25-29	1	0.1	1	0.1	2	0.1	1	0.1	0	0.0	1	0.1
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	3	0.5	3	0.2	1	0.2	1	0.2	2	0.2
40-44	4	0.6	4	0.6	8	0.6	2	0.3	1	0.2	3	0.2
45-49	1	0.2	3	0.6	4	0.4	1	0.2	1	0.2	2	0.2
50-54	7	1.7	3	0.7	10	1.2	2	0.5	0	0.0	2	0.2
55-59	3	0.8	2	0.6	5	0.7	2	0.5	3	0.8	5	0.7
60-64	5	1.4	0	0.0	5	0.7	3	0.8	2	0.5	5	0.7
65-69	8	2.5	3	0.9	11	1.7	5	1.6	2	0.6	7	1.1
70-74	4	1.8	6	2.2	10	2.1	4	1.8	5	1.9	9	1.9
75-79	2	1.3	3	1.3	5	1.3	1	0.6	2	0.9	3	0.8
80-84	1	1.2	3	2.1	4	1.8	0	0.0	5	3.5	5	2.2
85 and over	1	2.4	1	0.9	2	1.3	1	2.4	3	2.8	4	2.7
Total	41		33		74		23		25		48	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.5		0.4		0.4		0.3		0.3		0.3	
Conf. interval	0.3 – 0.6		0.3 – 0.5		0.3 – 0.5		0.2 – 0.4		0.2 – 0.4		0.2 – 0.4	
AS Rate	0.4		0.3		0.4		0.2		0.2		0.2	
Conf. interval	0.3 – 0.6		0.2 – 0.4		0.3 – 0.4		0.1 – 0.3		0.1 – 0.3		0.1 – 0.3	
Lifetime risk	1 in 2,045		1 in 3,118		1 in 2,475							
PYLL							298		186		485	
Per cent of all cancers	0.1		0.1		0.1		0.1		0.2		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	16	0.5	12	0.3	29	0.4	9	0.3	9	0.2	19	0.2
Vic	8	0.3	10	0.4	17	0.3	4	0.2	6	0.2	10	0.2
Qld	5	0.3	5	0.3	10	0.3	4	0.2	4	0.2	8	0.2
WA	5	0.6	3	0.4	8	0.5	2	0.3	1	0.2	4	0.2
SA	0	0.0	0	0.0	0	0.0	2	0.2	1	0.1	3	0.1
Tas	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	1	0.1
ACT	1	0.5	1	0.7	1	0.6	0	0.3	0	0.2	1	0.3
NT	1	0.7	0	0.5	1	0.6	0	0.2	0	0.0	0	0.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 94: Cancer of unspecified digestive organs (ICD 159)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	1	0.1
35-39	0	0.0	0	0.0	0	0.0	2	0.3	1	0.2	3	0.2
40-44	1	0.2	0	0.0	1	0.1	3	0.5	3	0.5	6	0.5
45-49	3	0.6	2	0.4	5	0.5	1	0.2	0	0.0	1	0.1
50-54	2	0.5	1	0.2	3	0.4	6	1.4	7	1.7	13	1.6
55-59	1	0.3	1	0.3	2	0.3	10	2.7	10	2.8	20	2.8
60-64	9	2.5	6	1.6	15	2.0	14	3.8	8	2.2	22	3.0
65-69	5	1.6	3	0.9	8	1.2	22	7.0	10	2.8	32	4.8
70-74	5	2.3	7	2.6	12	2.5	23	10.6	14	5.2	37	7.6
75-79	12	7.7	7	3.1	19	5.0	18	11.5	26	11.6	44	11.6
80-84	6	7.3	10	7.1	16	7.2	15	18.4	22	15.6	37	16.6
85 and over	2	4.7	11	10.2	13	8.7	17	40.4	29	26.9	46	30.7
Total	46		48		94		132		130		262	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.5		0.6		0.6		1.5		1.5		1.5	
Conf. interval	0.4 - 0.7		0.4 - 0.7		0.4 - 0.7		1.3 - 1.8		1.3 - 1.8		1.3 - 1.7	
AS Rate	0.4		0.3		0.4		1.2		0.8		1.0	
Conf. interval	0.3 - 0.5		0.2 - 0.4		0.3 - 0.4		1.0 - 1.4		0.7 - 1.0		0.9 - 1.1	
Lifetime risk	1 in 2,549		1 in 3,323		1 in 2,884							
PYLL							822		621		1,443	
Per cent of all cancers	0.1		0.2		0.2		0.8		1.0		0.9	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	17	0.5	21	0.4	38	0.4	33	0.9	41	0.8	74	0.8
Vic	10	0.3	12	0.2	22	0.3	29	1.1	30	0.8	59	0.9
Qld	3	0.2	5	0.2	8	0.2	14	0.8	14	0.7	28	0.7
WA	1	0.2	1	0.1	2	0.1	9	1.0	8	0.7	16	0.8
SA	19	1.9	23	1.6	41	1.7	19	2.0	24	1.7	43	1.8
Tas	0	0.0	0	0.0	0	0.0	3	1.3	5	1.4	8	1.3
ACT	0	0.3	0	0.1	1	0.2	1	0.7	0	0.3	1	0.5
NT	1	2.1	0	0.7	1	1.4	1	3.7	1	3.1	3	3.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 95: Cancer of the nasal cavities, middle ear and accessory sinuses (ICD 160)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	2	0.3	0	0.0	2	0.1	1	0.1	0	0.0	1	0.1
25-29	2	0.3	1	0.1	3	0.2	0	0.0	0	0.0	0	0.0
30-34	2	0.3	2	0.3	4	0.3	0	0.0	0	0.0	0	0.0
35-39	0	0.0	1	0.2	1	0.1	1	0.2	0	0.0	1	0.1
40-44	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
45-49	2	0.4	2	0.4	4	0.4	4	0.8	0	0.0	4	0.4
50-54	3	0.7	1	0.2	4	0.5	1	0.2	2	0.5	3	0.4
55-59	9	2.5	1	0.3	10	1.4	2	0.5	0	0.0	2	0.3
60-64	7	1.9	1	0.3	8	1.1	4	1.1	2	0.5	6	0.8
65-69	13	4.1	6	1.7	19	2.9	3	1.0	0	0.0	3	0.5
70-74	6	2.8	6	2.2	12	2.5	2	0.9	1	0.4	3	0.6
75-79	11	7.0	8	3.6	19	5.0	3	1.9	3	1.3	6	1.6
80-84	8	9.8	3	2.1	11	4.9	1	1.2	2	1.4	3	1.3
85 and over	1	2.4	2	1.9	3	2.0	2	4.7	3	2.8	5	3.3
Total	69		35		104		24		13		37	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.8		0.4		0.6		0.3		0.2		0.2	
Conf. interval	0.6 - 1.0		0.3 - 0.5		0.5 - 0.7		0.2 - 0.4		0.1 - 0.2		0.1 - 0.3	
AS Rate	0.6		0.3		0.4		0.2		0.1		0.2	
Conf. interval	0.5 - 0.8		0.2 - 0.3		0.4 - 0.5		0.1 - 0.3		0.0 - 0.1		0.1 - 0.2	
Lifetime risk	1 in 1,462		1 in 3,395		1 in 2,059							
PYLL							291		66		358	
Per cent of all cancers	0.2		0.1		0.2		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	25	0.7	9	0.2	34	0.4	7	0.2	5	0.1	13	0.2
Vic	18	0.7	8	0.3	26	0.5	8	0.3	3	0.1	11	0.2
Qld	10	0.7	5	0.3	16	0.5	4	0.3	1	0.1	5	0.2
WA	7	0.8	3	0.3	10	0.5	3	0.3	1	0.1	3	0.2
SA	5	0.5	2	0.2	6	0.3	1	0.2	1	0.1	3	0.1
Tas	4	1.7	1	0.4	5	1.0	2	0.6	0	0.2	2	0.4
ACT	1	0.7	0	0.1	1	0.4	0	0.0	0	0.0	0	0.0
NT	0	0.0	0	0.0	0	0.0	0	0.2	0	0.2	0	0.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 96: Cancer of the larynx (ICD 161)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	1	0.1	0	0.0	1	0.1	1	0.1	0	0.0	1	0.1
30-34	3	0.4	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
35-39	3	0.5	0	0.0	3	0.2	1	0.2	0	0.0	1	0.1
40-44	10	1.5	1	0.2	11	0.9	2	0.3	0	0.0	2	0.2
45-49	36	7.1	2	0.4	38	3.9	3	0.6	0	0.0	3	0.3
50-54	40	9.5	1	0.2	41	5.0	13	3.1	0	0.0	13	1.6
55-59	65	17.7	7	2.0	72	10.0	36	9.8	1	0.3	37	5.1
60-64	119	32.5	14	3.8	133	18.1	42	11.5	2	0.5	44	6.0
65-69	105	33.3	10	2.8	115	17.3	55	17.5	9	2.6	64	9.6
70-74	63	29.1	10	3.7	73	15.0	35	16.2	4	1.5	39	8.0
75-79	44	28.2	8	3.6	52	13.7	17	10.9	5	2.2	22	5.8
80-84	24	29.4	2	1.4	26	11.7	15	18.4	1	0.7	16	7.2
85 and over	4	9.5	2	1.9	6	4.0	9	21.4	0	0.0	9	6.0
Total	518		57		575		229		22		251	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	6.1		0.7		3.4		2.7		0.3		1.5	
Conf. interval	5.5 – 6.6		0.5 – 0.8		3.1 – 3.6		2.3 – 3.0		0.1 – 0.4		1.3 – 1.7	
AS Rate	5.1		0.5		2.7		2.2		0.2		1.1	
Conf. interval	4.7 – 5.6		0.4 – 0.6		2.5 – 3.0		1.9 – 2.5		0.1 – 0.2		1.0 – 1.3	
Lifetime risk	1 in 152		1 in 1,523		1 in 284							
PYLL							1,874		110		1,984	
Per cent of all cancers	1.6		0.2		1.0		1.3		0.2		0.8	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	194	5.7	24	0.6	218	3.1	79	2.3	11	0.2	90	1.2
Vic	124	5.0	18	0.6	142	2.7	56	2.2	7	0.2	63	1.2
Qld	90	5.7	9	0.5	99	3.0	32	2.0	4	0.2	36	1.1
WA	35	4.2	5	0.6	40	2.3	15	1.9	2	0.2	17	1.0
SA	43	4.8	5	0.5	49	2.6	15	1.7	2	0.1	17	0.9
Tas	12	4.6	1	0.4	14	2.4	6	2.2	1	0.4	8	1.2
ACT	6	5.4	0	0.4	6	2.7	2	2.0	0	0.2	2	1.0
NT	4	7.5	0	0.0	4	4.1	2	4.7	0	0.0	2	2.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 97: Cancer of the trachea, bronchus and lung (ICD 162)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	1	0.1
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	3	0.4	1	0.1	4	0.3	0	0.0	0	0.0	0	0.0
20-24	2	0.3	4	0.6	6	0.4	1	0.1	0	0.0	1	0.1
25-29	3	0.4	3	0.4	6	0.4	1	0.1	2	0.3	3	0.2
30-34	5	0.7	9	1.3	14	1.0	2	0.3	3	0.4	5	0.4
35-39	11	1.7	15	2.3	26	2.0	10	1.5	15	2.3	25	1.9
40-44	52	8.0	51	8.2	103	8.1	41	6.3	35	5.6	76	6.0
45-49	145	28.7	67	14.0	212	21.5	110	21.7	46	9.6	156	15.8
50-54	250	59.3	117	29.1	367	44.6	199	47.2	73	18.2	272	33.0
55-59	471	128.4	168	47.1	639	88.3	396	108.0	125	35.0	521	72.0
60-64	801	218.6	287	77.8	1,088	147.9	686	187.2	232	62.9	918	124.8
65-69	1,064	337.9	329	93.7	1,393	209.2	890	282.6	292	83.2	1,182	177.5
70-74	815	376.7	320	118.5	1,135	233.4	775	358.2	278	103.0	1,053	216.5
75-79	722	462.6	255	113.8	977	257.0	716	458.8	251	112.0	967	254.4
80-84	404	494.4	130	92.1	534	239.6	425	520.2	148	104.8	573	257.1
85 and over	147	349.0	70	64.9	217	144.8	195	462.9	92	85.4	287	191.4
Total	4,896		1,826		6,722		4,447		1,593		6,040	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	57.4		21.3		39.3		52.1		18.6		35.4	
Conf. interval	55.8 - 59.0		20.4 - 22.3		38.4 - 40.3		50.6 - 53.7		17.7 - 19.5		34.5 - 36.2	
AS Rate	45.8		15.2		29.2		41.1		12.6		25.4	
Conf. interval	44.5 - 47.1		14.5 - 15.9		28.5 - 29.9		39.9 - 42.4		11.9 - 13.2		24.8 - 26.1	
Lifetime risk	1 in 18		1 in 51		1 in 27							
PYLL							29,228		11,847		41,075	
Per cent of all cancers	15.0		6.6		11.2		26.1		12.2		20.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,736	48.1	600	14.3	2,337	29.6	1,611	44.2	537	12.3	2,148	26.6
Vic	1,266	48.0	462	15.2	1,727	29.9	1,189	44.6	398	12.4	1,586	26.7
Qld	789	47.7	219	12.4	1,008	29.0	755	44.8	194	10.5	948	26.3
WA	423	49.5	158	16.4	581	31.7	381	44.2	143	14.4	523	28.0
SA	443	46.6	155	14.4	598	29.0	388	40.2	126	11.3	514	24.3
Tas	151	53.2	58	19.3	209	34.6	135	47.6	49	15.8	185	30.0
ACT	39	40.3	18	14.4	57	25.5	39	39.9	18	15.1	57	25.7
NT	24	56.8	7	17.3	31	38.5	23	55.2	7	19.6	30	38.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 98: Cancer of the pleura (ICD 163)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	2	0.3	0	0.0	2	0.1
35-39	1	0.2	0	0.0	1	0.1	0	0.0	1	0.2	1	0.1
40-44	3	0.5	0	0.0	3	0.2	3	0.5	3	0.5	6	0.5
45-49	8	1.6	2	0.4	10	1.0	4	0.8	0	0.0	4	0.4
50-54	11	2.6	4	1.0	15	1.8	7	1.7	3	0.7	10	1.2
55-59	26	7.1	3	0.8	29	4.0	13	3.5	1	0.3	14	1.9
60-64	38	10.4	7	1.9	45	6.1	31	8.5	8	2.2	39	5.3
65-69	44	14.0	5	1.4	49	7.4	34	10.8	2	0.6	36	5.4
70-74	40	18.5	7	2.6	47	9.7	31	14.3	0	0.0	31	6.4
75-79	30	19.2	5	2.2	35	9.2	19	12.2	4	1.8	23	6.1
80-84	11	13.5	2	1.4	13	5.8	11	13.5	5	3.5	16	7.2
85 and over	12	28.5	2	1.9	14	9.3	7	16.6	2	1.9	9	6.0
Total	225		37		262		163		29		192	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.6		0.4		1.5		1.9		0.3		1.1	
Conf. interval	2.3 - 3.0		0.3 - 0.6		1.3 - 1.7		1.6 - 2.2		0.2 - 0.5		1.0 - 1.3	
AS Rate	2.2		0.3		1.2		1.6		0.2		0.8	
Conf. interval	1.9 - 2.4		0.2 - 0.4		1.0 - 1.3		1.3 - 1.8		0.1 - 0.3		0.7 - 1.0	
Lifetime risk	1 in 365		1 in 2,449		1 in 659							
PYLL							1,275		308		1,583	
Per cent of all cancers	0.7		0.1		0.4		1.0		0.2		0.6	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	75	2.1	12	0.3	87	1.1	30	0.8	4	0.1	34	0.4
Vic	44	1.7	7	0.2	51	0.9	21	0.8	2	0.1	23	0.4
Qld	29	1.7	5	0.3	34	0.9	14	0.8	2	0.1	16	0.4
WA	29	3.5	4	0.4	33	1.9	25	3.0	3	0.3	28	1.6
SA	27	2.9	5	0.4	32	1.6	22	2.4	5	0.4	27	1.4
Tas	3	1.0	0	0.1	3	0.5	2	0.6	1	0.3	3	0.5
ACT	0	0.4	0	0.3	1	0.3	1	0.6	0	0.3	1	0.5
NT	1	1.3	0	0.0	1	0.7	0	0.6	0	0.0	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 99: Cancer of thymus, heart, mediastinum & other respiratory organs (ICD 164–165)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	2	0.3	1	0.2	3	0.2	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20–24	3	0.4	0	0.0	3	0.2	1	0.1	0	0.0	1	0.1
25–29	2	0.3	0	0.0	2	0.1	1	0.1	0	0.0	1	0.1
30–34	5	0.7	0	0.0	5	0.4	1	0.1	3	0.4	4	0.3
35–39	1	0.2	1	0.2	2	0.2	1	0.2	1	0.2	2	0.2
40–44	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
45–49	1	0.2	2	0.4	3	0.3	0	0.0	0	0.0	0	0.0
50–54	2	0.5	0	0.0	2	0.2	1	0.2	0	0.0	1	0.1
55–59	1	0.3	2	0.6	3	0.4	4	1.1	1	0.3	5	0.7
60–64	3	0.8	2	0.5	5	0.7	3	0.8	1	0.3	4	0.5
65–69	3	1.0	3	0.9	6	0.9	3	1.0	1	0.3	4	0.6
70–74	1	0.5	4	1.5	5	1.0	2	0.9	3	1.1	5	1.0
75–79	3	1.9	3	1.3	6	1.6	2	1.3	3	1.3	5	1.3
80–84	0	0.0	0	0.0	0	0.0	0	0.0	2	1.4	2	0.9
85 and over	0	0.0	2	1.9	2	1.3	1	2.4	1	0.9	2	1.3
Total	27		22		49		20		16		36	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.3		0.3		0.3		0.2		0.2		0.2	
Conf. interval	0.2 – 0.4		0.1 – 0.4		0.2 – 0.4		0.1 – 0.3		0.1 – 0.3		0.1 – 0.3	
AS Rate	0.3		0.2		0.2		0.2		0.1		0.2	
Conf. interval	0.2 – 0.4		0.1 – 0.3		0.2 – 0.3		0.1 – 0.3		0.1 – 0.2		0.1 – 0.2	
Lifetime risk	1 in 3,953		1 in 4,445		1 in 4,132							
PYLL							296		196		492	
Per cent of all cancers	0.1		0.1		0.1		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	9	0.3	6	0.2	15	0.2	6	0.2	5	0.1	11	0.2
Vic	6	0.3	4	0.2	11	0.2	5	0.2	2	0.1	7	0.1
Qld	5	0.3	4	0.2	9	0.3	4	0.2	2	0.1	6	0.2
WA	3	0.4	1	0.2	4	0.3	1	0.1	1	0.1	2	0.1
SA	1	0.1	2	0.2	3	0.2	2	0.2	2	0.2	3	0.2
Tas	1	0.6	1	0.4	2	0.5	0	0.1	0	0.1	1	0.1
ACT	1	0.6	0	0.0	1	0.3	0	0.1	0	0.0	0	0.1
NT	0	0.6	1	0.9	1	0.7	0	0.2	0	0.0	0	0.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 100: Cancer of the bone and articular cartilage (ICD 170)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	3	0.5	4	0.3	0	0.0	0	0.0	0	0.0
5-9	4	0.6	1	0.2	5	0.4	0	0.0	0	0.0	0	0.0
10-14	4	0.6	4	0.7	8	0.7	2	0.3	3	0.5	5	0.4
15-19	16	2.2	8	1.2	24	1.7	8	1.1	4	0.6	12	0.9
20-24	11	1.6	3	0.4	14	1.0	5	0.7	2	0.3	7	0.5
25-29	3	0.4	4	0.6	7	0.5	2	0.3	2	0.3	4	0.3
30-34	8	1.1	5	0.7	13	0.9	2	0.3	0	0.0	2	0.1
35-39	7	1.1	8	1.2	15	1.1	2	0.3	1	0.2	3	0.2
40-44	3	0.5	3	0.5	6	0.5	1	0.2	2	0.3	3	0.2
45-49	5	1.0	3	0.6	8	0.8	2	0.4	1	0.2	3	0.3
50-54	3	0.7	0	0.0	3	0.4	6	1.4	2	0.5	8	1.0
55-59	4	1.1	2	0.6	6	0.8	6	1.6	0	0.0	6	0.8
60-64	3	0.8	1	0.3	4	0.5	6	1.6	1	0.3	7	1.0
65-69	2	0.6	4	1.1	6	0.9	8	2.5	3	0.9	11	1.7
70-74	3	1.4	1	0.4	4	0.8	5	2.3	0	0.0	5	1.0
75-79	5	3.2	3	1.3	8	2.1	6	3.8	3	1.3	9	2.4
80-84	4	4.9	8	5.7	12	5.4	8	9.8	9	6.4	17	7.6
85 and over	0	0.0	2	1.9	2	1.3	3	7.1	3	2.8	6	4.0
Total	86		63		149		72		36		108	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.0		0.7		0.9		0.8		0.4		0.6	
Conf. interval	0.8 - 1.2		0.6 - 0.9		0.7 - 1.0		0.6 - 1.0		0.3 - 0.6		0.5 - 0.8	
AS Rate	0.9		0.6		0.8		0.7		0.3		0.5	
Conf. interval	0.7 - 1.1		0.5 - 0.8		0.7 - 0.9		0.6 - 0.9		0.2 - 0.4		0.4 - 0.6	
Lifetime risk	1 in 1,436		1 in 2,249		1 in 1,753							
PYLL							1,401		778		2,179	
Per cent of all cancers	0.3		0.2		0.2		0.4		0.3		0.4	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	30	1.0	21	0.6	51	0.8	22	0.7	14	0.4	36	0.5
Vic	24	1.1	15	0.6	39	0.8	17	0.7	13	0.4	30	0.6
Qld	16	1.1	8	0.5	24	0.8	9	0.6	5	0.2	15	0.4
WA	7	0.9	9	1.1	16	1.0	3	0.3	3	0.3	5	0.3
SA	6	0.8	5	0.7	11	0.7	3	0.4	3	0.4	7	0.4
Tas	2	0.8	1	0.3	3	0.5	1	0.6	0	0.1	2	0.3
ACT	1	0.7	1	0.8	2	0.8	1	0.9	1	0.5	1	0.6
NT	1	1.5	0	0.2	1	0.9	0	0.7	0	1.2	1	0.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 101: Cancer of the connective and other soft tissue (ICD 171)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	7	1.1	3	0.5	10	0.8	2	0.3	0	0.0	2	0.2
5-9	3	0.5	4	0.7	7	0.6	1	0.2	3	0.5	4	0.3
10-14	3	0.5	2	0.3	5	0.4	1	0.2	2	0.3	3	0.2
15-19	7	1.0	6	0.9	13	0.9	2	0.3	3	0.4	5	0.4
20-24	8	1.2	9	1.3	17	1.2	3	0.4	3	0.4	6	0.4
25-29	11	1.5	6	0.9	17	1.2	3	0.4	0	0.0	3	0.2
30-34	19	2.7	4	0.6	23	1.6	2	0.3	2	0.3	4	0.3
35-39	25	3.8	10	1.5	35	2.7	6	0.9	5	0.8	11	0.8
40-44	27	4.2	10	1.6	37	2.9	3	0.5	6	1.0	9	0.7
45-49	14	2.8	6	1.3	20	2.0	4	0.8	6	1.3	10	1.0
50-54	16	3.8	14	3.5	30	3.6	3	0.7	0	0.0	3	0.4
55-59	27	7.4	8	2.2	35	4.8	5	1.4	3	0.8	8	1.1
60-64	17	4.6	16	4.3	33	4.5	12	3.3	8	2.2	20	2.7
65-69	34	10.8	14	4.0	48	7.2	9	2.9	10	2.8	19	2.9
70-74	37	17.1	23	8.5	60	12.3	13	6.0	13	4.8	26	5.3
75-79	35	22.4	23	10.3	58	15.3	13	8.3	11	4.9	24	6.3
80-84	14	17.1	16	11.3	30	13.5	5	6.1	6	4.2	11	4.9
85 and over	7	16.6	14	13.0	21	14.0	7	16.6	4	3.7	11	7.3
Total	311		188		499		94		85		179	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.6		2.2		2.9		1.1		1.0		1.0	
Conf. interval	3.2 - 4.1		1.9 - 2.5		2.7 - 3.2		0.9 - 1.3		0.8 - 1.2		0.9 - 1.2	
AS Rate	3.1		1.7		2.3		0.9		0.7		0.8	
Conf. interval	2.7 - 3.4		1.4 - 1.9		2.1 - 2.5		0.7 - 1.1		0.6 - 0.9		0.7 - 0.9	
Lifetime risk	1 in 319		1 in 624		1 in 427							
PYLL							1,434		1,450		2,884	
Per cent of all cancers	1.0		0.7		0.8		0.6		0.7		0.6	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	80	2.5	57	1.6	137	2.0	31	0.9	25	0.6	56	0.8
Vic	103	4.1	52	1.8	155	2.9	26	1.1	23	0.8	49	0.9
Qld	41	2.6	34	2.1	75	2.3	14	0.9	13	0.8	27	0.8
WA	12	1.4	10	1.2	22	1.3	8	1.0	8	0.8	16	0.9
SA	30	3.5	18	1.9	47	2.7	7	0.8	5	0.4	12	0.6
Tas	8	3.2	6	2.1	14	2.7	2	0.8	2	0.7	4	0.8
ACT	3	2.8	1	1.0	5	1.9	2	2.3	1	1.0	4	1.6
NT	1	1.2	0	0.0	1	0.6	0	0.0	0	0.2	0	0.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 102: Cancer of the skin – melanoma (ICD 172)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	0	0.0	1	0.1	1	0.2	0	0.0	1	0.1
5-9	1	0.2	2	0.3	3	0.2	0	0.0	0	0.0	0	0.0
10-14	4	0.6	6	1.0	10	0.8	0	0.0	1	0.2	1	0.1
15-19	48	6.7	41	6.0	89	6.3	1	0.1	0	0.0	1	0.1
20-24	64	9.2	97	14.5	161	11.8	3	0.4	3	0.4	6	0.4
25-29	113	15.8	138	19.7	251	17.7	9	1.3	9	1.3	18	1.3
30-34	167	23.6	165	23.7	332	23.7	15	2.1	10	1.4	25	1.8
35-39	192	29.3	248	37.8	440	33.5	21	3.2	20	3.0	41	3.1
40-44	264	40.7	246	39.5	510	40.1	28	4.3	25	4.0	53	4.2
45-49	248	49.0	230	48.0	478	48.5	38	7.5	16	3.3	54	5.5
50-54	277	65.7	198	49.3	475	57.7	49	11.6	17	4.2	66	8.0
55-59	273	74.4	197	55.2	470	65.0	49	13.4	18	5.0	67	9.3
60-64	352	96.0	237	64.2	589	80.1	60	16.4	33	8.9	93	12.6
65-69	351	111.5	234	66.7	585	87.8	70	22.2	27	7.7	97	14.6
70-74	316	146.1	233	86.3	549	112.9	60	27.7	43	15.9	103	21.2
75-79	243	155.7	199	88.8	442	116.3	58	37.2	40	17.9	98	25.8
80-84	138	168.9	96	68.0	234	105.0	31	37.9	24	17.0	55	24.7
85 and over	75	178.0	87	80.7	162	108.1	19	45.1	31	28.8	50	33.4
Total	3,127		2,654		5,781		512		317		829	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	36.7		31.0		33.8		6.0		3.7		4.9	
Conf. interval	35.4 – 37.9		29.8 – 32.2		33.0 – 34.7		5.5 – 6.5		3.3 – 4.1		4.5 – 5.2	
AS Rate	30.9		24.9		27.6		5.0		2.6		3.7	
Conf. interval	29.8 – 32.0		24.0 – 25.9		26.9 – 28.3		4.5 – 5.4		2.3 – 2.9		3.5 – 4.0	
Lifetime risk	1 in 30		1 in 40		1 in 35							
PYLL							6,525		4,167		10,692	
Per cent of all cancers	9.6		9.6		9.6		3.0		2.4		2.8	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,083	31.9	897	25.2	1,980	28.2	190	5.4	107	2.6	297	3.9
Vic	497	20.2	508	19.1	1,005	19.5	101	4.0	71	2.4	172	3.1
Qld	707	44.8	611	37.9	1,318	41.0	90	5.5	50	2.7	140	4.0
WA	253	29.7	211	24.0	464	26.6	43	5.0	23	2.4	66	3.7
SA	206	24.1	210	23.4	416	23.5	42	4.7	25	2.3	67	3.4
Tas	52	19.6	66	24.1	118	21.8	12	4.6	7	2.2	19	3.4
ACT	41	31.9	37	26.2	77	28.7	6	4.7	5	4.0	11	4.5
NT	12	18.0	8	10.8	19	14.7	1	3.4	1	2.1	2	2.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 103: Cancer of the skin – non-melanocytic (ICD 173)

Australia 1990													
Age group	<i>Incidence</i>						<i>Mortality</i>						
	Males		Females		Persons		Males		Females		Persons		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
0–4							0	0.0	0	0.0	0	0.0	
5–9							0	0.0	0	0.0	0	0.0	
10–14							0	0.0	0	0.0	0	0.0	
15–19							0	0.0	0	0.0	0	0.0	
20–24							0	0.0	0	0.0	0	0.0	
25–29			Non-melanocytic skin cancer incidence data are not routinely collected by all State and Territory cancer registries					6	0.8	0	0.0	6	0.4
30–34							10	1.4	0	0.0	10	0.7	
35–39							3	0.5	0	0.0	3	0.2	
40–44							13	2.0	0	0.0	13	1.0	
45–49							5	1.0	1	0.2	6	0.6	
50–54							6	1.4	1	0.2	7	0.9	
55–59							10	2.7	1	0.3	11	1.5	
60–64							17	4.6	0	0.0	17	2.3	
65–69							27	8.6	6	1.7	33	5.0	
70–74							26	12.0	4	1.5	30	6.2	
75–79							32	20.5	14	6.2	46	12.1	
80–84							21	25.7	6	4.2	27	12.1	
85 and over							32	76.0	23	21.3	55	36.7	
Total							208		56		264		
Rates per 100,000 with 95 per cent confidence intervals													
Crude rate								2.4		0.7		1.5	
Conf. interval								2.1 – 2.8		0.5 – 0.8		1.4 – 1.7	
AS Rate								1.9		0.3		1.0	
Conf. interval								1.7 – 2.2		0.2 – 0.4		0.9 – 1.1	
Lifetime risk													
PYLL								1,907		112		2,019	
Per cent of all cancers								1.2		0.4		0.9	

Average annual numbers and rates by State and Territory 1986–1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW							85	2.4	25	0.4	110	1.3
Vic							30	1.1	11	0.2	41	0.6
Qld							36	2.1	11	0.5	47	1.2
WA							14	1.5	4	0.3	18	0.8
SA							10	1.1	4	0.3	14	0.6
Tas							3	1.1	1	0.2	4	0.6
ACT							1	0.9	0	0.0	1	0.4
NT							1	3.1	1	1.9	2	2.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 104: Cancer of the breast (ICD 174–175)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10–14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20–24	0	0.0	8	1.2	8	0.6	0	0.0	0	0.0	0	0.0
25–29	0	0.0	50	7.1	50	3.5	0	0.0	7	1.0	7	0.5
30–34	2	0.3	195	28.1	197	14.1	0	0.0	26	3.7	26	1.9
35–39	2	0.3	337	51.3	339	25.8	0	0.0	62	9.4	62	4.7
40–44	3	0.5	658	105.6	661	52.0	0	0.0	144	23.1	144	11.3
45–49	4	0.8	815	170.1	819	83.1	0	0.0	171	35.7	171	17.4
50–54	2	0.5	761	189.4	763	92.7	0	0.0	228	56.7	228	27.7
55–59	5	1.4	672	188.4	677	93.6	1	0.3	221	62.0	222	30.7
60–64	16	4.4	805	218.1	821	111.6	4	1.1	271	73.4	275	37.4
65–69	10	3.2	832	237.0	842	126.4	3	1.0	336	95.7	339	50.9
70–74	9	4.2	728	269.6	737	151.5	3	1.4	264	97.8	267	54.9
75–79	15	9.6	595	265.6	610	160.5	0	0.0	249	111.1	249	65.5
80–84	6	7.3	387	274.1	393	176.3	3	3.7	213	150.9	216	96.9
85 and over	1	2.4	278	257.9	279	186.1	2	4.7	229	212.5	231	154.1
Total	75		7,121		7,196		16		2,421		2,437	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.9		83.2		42.1		0.2		28.3		14.3	
Conf. interval	0.7 – 1.1		81.3 – 85.2		41.1 – 43.1		0.1 – 0.3		27.2 – 29.4		13.7 – 14.8	
AS Rate	0.7		65.5		33.9		0.2		20.4		10.8	
Conf. interval	0.5 – 0.8		63.9 – 67.1		33.1 – 34.7		0.1 – 0.2		19.5 – 21.3		10.4 – 11.2	
Lifetime risk	1 in 1,301		1 in 14		1 in 27							
PYLL							84		26,574		26,658	
Per cent of all cancers	0.2		25.8		12.0		0.1		18.6		8.1	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	24	0.7	2,330	63.1	2,354	32.8	5	0.2	834	20.7	840	11.0
Vic	14	0.5	1,767	64.3	1,781	33.5	6	0.2	660	22.0	666	11.8
Qld	7	0.4	1,064	63.6	1,071	32.6	3	0.2	335	18.7	338	9.8
WA	4	0.5	589	65.8	594	33.8	2	0.2	196	20.6	198	10.8
SA	6	0.7	590	62.2	596	32.6	2	0.2	212	20.2	214	10.8
Tas	1	0.5	159	54.7	160	28.5	0	0.1	67	21.2	67	11.2
ACT	1	1.0	79	61.6	80	32.0	0	0.2	27	21.2	28	11.4
NT	0	0.3	20	39.5	20	18.2	0	0.0	6	17.0	6	8.1

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 105: Cancer of the cervix (ICD 180)

Australia 1990												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			1	0.1					0	0.0		
20-24			13	1.9					1	0.1		
25-29			60	8.6					9	1.3		
30-34			111	16.0					14	2.0		
35-39			157	23.9					33	5.0		
40-44			137	22.0					34	5.5		
45-49			117	24.4					37	7.7		
50-54			62	15.4					18	4.5		
55-59			85	23.8					24	6.7		
60-64			81	22.0					33	8.9		
65-69			80	22.8					42	12.0		
70-74			64	23.7					29	10.7		
75-79			48	21.4					34	15.2		
80-84			29	20.5					8	5.7		
85 and over			22	20.4					23	21.3		
Total			1,067						339			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				12.5						4.0		
Conf. interval				11.7 - 13.2						3.5 - 4.4		
AS Rate				10.2						3.0		
Conf. interval				9.6 - 10.8						2.7 - 3.4		
Lifetime risk				1 in 98								
PYLL										5,614		
Per cent of all cancers				3.9						2.6		

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			364	10.3					128	3.3		
Vic			258	9.8					85	2.9		
Qld			180	11.0					52	2.9		
WA			108	12.3					34	3.8		
SA			84	9.7					28	2.8		
Tas			33	12.3					13	4.2		
ACT			14	10.0					4	2.7		
NT			10	15.4					4	7.3		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 106: Cancer of the placenta (ICD 181)

Australia 1990												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			0	0.0					0	0.0		
20-24			1	0.1					0	0.0		
25-29			1	0.1					0	0.0		
30-34			3	0.4					0	0.0		
35-39			1	0.2					0	0.0		
40-44			0	0.0					0	0.0		
45-49			0	0.0					0	0.0		
50-54			0	0.0					0	0.0		
55-59			0	0.0					0	0.0		
60-64			0	0.0					0	0.0		
65-69			0	0.0					0	0.0		
70-74			0	0.0					0	0.0		
75-79			0	0.0					0	0.0		
80-84			0	0.0					0	0.0		
85 and over			0	0.0					0	0.0		
Total			6						0			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				0.1						0.0		
Conf. interval				0.0 - 0.1						0.0 - 0.0		
AS Rate				0.1						0.0		
Conf. interval				0.0 - 0.1						0.0 - 0.0		
Lifetime risk				1 in 22,823								
PYLL										0		
Per cent of all cancers				0.0						0.0		

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			4	0.1					0	0.0		
Vic			2	0.1					0	0.0		
Qld			1	0.1					0	0.0		
WA			0	0.0					0	0.0		
SA			0	0.0					0	0.0		
Tas			0	0.0					0	0.0		
ACT			0	0.1					0	0.0		
NT			0	0.0					0	0.0		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 107: Cancer of the uterus (ICD 179+182)

Australia 1990												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			0	0.0					0	0.0		
20-24			2	0.3					0	0.0		
25-29			1	0.1					0	0.0		
30-34			7	1.0					2	0.3		
35-39			16	2.4					0	0.0		
40-44			38	6.1					3	0.5		
45-49			63	13.1					3	0.6		
50-54			90	22.4					8	2.0		
55-59			142	39.8					11	3.1		
60-64			177	48.0					25	6.8		
65-69			154	43.9					36	10.3		
70-74			166	61.5					35	13.0		
75-79			105	46.9					30	13.4		
80-84			68	48.2					34	24.1		
85 and over			46	42.7					30	27.8		
Total			1,075						217			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				12.6						2.5		
Conf. interval				11.8 - 13.3						2.2 - 2.9		
AS Rate				9.5						1.5		
Conf. interval				8.9 - 10.1						1.3 - 1.8		
Lifetime risk				1 in 84								
PYLL										1,199		
Per cent of all cancers				3.9						1.7		

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			349	9.1					85	1.9		
Vic			288	10.1					75	2.0		
Qld			166	9.8					34	1.7		
WA			94	10.3					20	1.7		
SA			103	10.6					25	2.0		
Tas			28	9.6					7	1.9		
ACT			10	8.4					2	1.9		
NT			2	5.3					0	0.7		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 108: Cancer of the ovary and other uterine adnexae (ICD 183)

Australia 1990												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4			1	0.2					0	0.0		
5-9			1	0.2					0	0.0		
10-14			2	0.3					1	0.2		
15-19			4	0.6					0	0.0		
20-24			16	2.4					2	0.3		
25-29			14	2.0					2	0.3		
30-34			25	3.6					7	1.0		
35-39			25	3.8					14	2.1		
40-44			46	7.4					14	2.2		
45-49			87	18.2					42	8.8		
50-54			82	20.4					50	12.4		
55-59			87	24.4					69	19.3		
60-64			125	33.9					96	26.0		
65-69			134	38.2					105	29.9		
70-74			127	47.0					121	44.8		
75-79			97	43.3					94	42.0		
80-84			54	38.2					68	48.2		
85 and over			41	38.0					47	43.6		
Total			968						732			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				11.3						8.6		
Conf. interval				10.6 - 12.0						7.9 - 9.2		
AS Rate				8.7						6.0		
Conf. interval				8.1 - 9.3						5.6 - 6.5		
Lifetime risk				1 in 99								
PYLL										6,735		
Per cent of all cancers				3.5						5.6		

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			311	8.1					238	5.7		
Vic			252	9.0					180	6.0		
Qld			144	8.6					96	5.3		
WA			72	8.1					50	5.1		
SA			84	8.8					59	5.6		
Tas			25	8.9					20	6.6		
ACT			11	8.7					9	7.2		
NT			6	11.4					3	7.3		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 109: Cancer of other and unspecified female genital organs (ICD 184)

Australia 1990												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4			0	0.0					0	0.0		
5-9			0	0.0					0	0.0		
10-14			0	0.0					0	0.0		
15-19			0	0.0					0	0.0		
20-24			0	0.0					0	0.0		
25-29			1	0.1					0	0.0		
30-34			7	1.0					0	0.0		
35-39			3	0.5					0	0.0		
40-44			7	1.1					0	0.0		
45-49			6	1.3					0	0.0		
50-54			17	4.2					4	1.0		
55-59			9	2.5					3	0.8		
60-64			18	4.9					7	1.9		
65-69			18	5.1					6	1.7		
70-74			28	10.4					7	2.6		
75-79			35	15.6					15	6.7		
80-84			21	14.9					8	5.7		
85 and over			24	22.3					18	16.7		
Total			194						68			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				2.3						0.8		
Conf. interval				1.9 - 2.6						0.6 - 1.0		
AS Rate				1.5						0.4		
Conf. interval				1.2 - 1.7						0.3 - 0.6		
Lifetime risk				1 in 643								
PYLL										267		
Per cent of all cancers				0.7						0.5		

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			65	1.4					22	0.4		
Vic			55	1.6					20	0.5		
Qld			35	1.7					10	0.4		
WA			14	1.3					4	0.3		
SA			21	1.7					6	0.4		
Tas			7	2.2					4	1.0		
ACT			1	0.9					0	0.1		
NT			1	1.1					1	2.1		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 110: Gynaecological cancers (ICD 179–180, 182–184)

Australia 1990												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4			1	0.2					0	0.0		
5–9			1	0.2					0	0.0		
10–14			2	0.3					1	0.2		
15–19			5	0.7					0	0.0		
20–24			31	4.6					3	0.4		
25–29			76	10.8					11	1.6		
30–34			150	21.6					23	3.3		
35–39			201	30.6					47	7.2		
40–44			228	36.6					51	8.2		
45–49			273	57.0					82	17.1		
50–54			251	62.5					80	19.9		
55–59			323	90.6					107	30.0		
60–64			401	108.7					161	43.6		
65–69			386	110.0					189	53.8		
70–74			385	142.6					192	71.1		
75–79			285	127.2					173	77.2		
80–84			172	121.8					118	83.6		
85 and over			133	123.4					118	109.5		
Total			3,304						1,356			
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate				38.6						15.9		
Conf. interval				37.3 – 39.9						15.0 – 16.7		
AS Rate				29.9						11.0		
Conf. interval				28.8 – 30.9						10.4 – 11.7		
Lifetime risk				1 in 30								
PYLL										13,816		
Per cent of all cancers				12.0						10.4		

Average annual numbers and rates by State and Territory 1986–1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW			1,089	29.0					473	11.3		
Vic			852	30.5					360	11.5		
Qld			524	31.0					192	10.3		
WA			288	31.9					108	10.9		
SA			293	30.8					118	10.9		
Tas			93	33.1					43	13.6		
ACT			36	28.1					15	11.9		
NT			18	33.2					8	17.5		

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 111: Cancer of the prostate (ICD 185)

Australia 1990												
	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Age group												
0-4	0	0.0					0	0.0				
5-9	0	0.0					0	0.0				
10-14	1	0.2					0	0.0				
15-19	1	0.1					0	0.0				
20-24	0	0.0					0	0.0				
25-29	1	0.1					0	0.0				
30-34	0	0.0					0	0.0				
35-39	2	0.3					0	0.0				
40-44	9	1.4					1	0.2				
45-49	18	3.6					2	0.4				
50-54	62	14.7					12	2.8				
55-59	252	68.7					35	9.5				
60-64	581	158.5					117	31.9				
65-69	1,125	357.2					268	85.1				
70-74	1,162	537.1					391	180.7				
75-79	1,243	796.5					487	312.0				
80-84	802	981.6					412	504.2				
85 and over	494	1,172.7					353	838.0				
Total	5,753						2,078					
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		67.4						24.4				
Conf. interval		65.7 - 69.2						23.3 - 25.4				
AS Rate		50.4						17.8				
Conf. interval		49.0 - 51.7						17.0 - 18.6				
Lifetime risk		1 in 18										
PYLL								4,729				
Per cent of all cancers		17.7						12.2				

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	1,703	44.4					683	17.8				
Vic	1,141	40.7					485	17.1				
Qld	830	46.1					314	17.1				
WA	412	45.2					147	15.8				
SA	479	46.4					175	16.6				
Tas	127	40.1					59	18.8				
ACT	28	31.8					14	15.8				
NT	7	25.1					4	13.7				

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 112: Cancer of the testis (ICD 186)

Australia 1990												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	6	0.9					0	0.0				
5-9	0	0.0					0	0.0				
10-14	0	0.0					0	0.0				
15-19	22	3.1					0	0.0				
20-24	45	6.5					2	0.3				
25-29	85	11.9					8	1.1				
30-34	77	10.9					3	0.4				
35-39	55	8.4					2	0.3				
40-44	45	6.9					3	0.5				
45-49	32	6.3					4	0.8				
50-54	10	2.4					0	0.0				
55-59	8	2.2					0	0.0				
60-64	6	1.6					3	0.8				
65-69	4	1.3					1	0.3				
70-74	2	0.9					2	0.9				
75-79	1	0.6					2	1.3				
80-84	0	0.0					0	0.0				
85 and over	1	2.4					0	0.0				
Total	399						30					
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		4.7						0.4				
Conf. interval		4.2 - 5.1						0.2 - 0.5				
AS Rate		4.2						0.3				
Conf. interval		3.7 - 4.6						0.2 - 0.4				
Lifetime risk		1 in 317										
PYLL								842				
Per cent of all cancers		1.2						0.2				

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	131	4.1					8	0.2				
Vic	101	4.2					9	0.4				
Qld	62	4.1					6	0.4				
WA	33	3.6					3	0.3				
SA	27	3.4					2	0.3				
Tas	14	5.6					2	0.9				
ACT	5	3.3					0	0.1				
NT	3	2.8					1	0.6				

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 113: Cancer of the penis and other male genital organs (ICD 187)

Australia 1990												
Age group	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0					0	0.0				
5-9	0	0.0					0	0.0				
10-14	0	0.0					0	0.0				
15-19	0	0.0					0	0.0				
20-24	1	0.1					0	0.0				
25-29	0	0.0					0	0.0				
30-34	0	0.0					0	0.0				
35-39	1	0.2					1	0.2				
40-44	4	0.6					1	0.2				
45-49	3	0.6					0	0.0				
50-54	8	1.9					1	0.2				
55-59	3	0.8					2	0.5				
60-64	6	1.6					2	0.5				
65-69	8	2.5					2	0.6				
70-74	9	4.2					1	0.5				
75-79	8	5.1					1	0.6				
80-84	3	3.7					2	2.4				
85 and over	6	14.2					0	0.0				
Total	60						13					
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate		0.7						0.2				
Conf. interval		0.5 - 0.9						0.1 - 0.2				
AS Rate		0.6						0.1				
Conf. interval		0.4 - 0.7						0.1 - 0.2				
Lifetime risk		1 in 1,593										
PYLL								147				
Per cent of all cancers		0.2						0.1				

Average annual numbers and rates by State and Territory 1986-1990

	<i>Incidence</i>						<i>Mortality</i>					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	17	0.5					4	0.1				
Vic	17	0.7					4	0.2				
Qld	9	0.5					3	0.2				
WA	5	0.6					1	0.1				
SA	5	0.5					1	0.1				
Tas	2	0.6					0	0.1				
ACT	1	0.8					0	0.0				
NT	0	0.3					0	0.3				

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 114: Cancer of the bladder (ICD 188)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	2	0.3	0	0.0	2	0.2	1	0.2	0	0.0	1	0.1
5-9	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	5	0.7	1	0.1	6	0.4	0	0.0	0	0.0	0	0.0
25-29	7	1.0	1	0.1	8	0.6	0	0.0	0	0.0	0	0.0
30-34	5	0.7	6	0.9	11	0.8	0	0.0	0	0.0	0	0.0
35-39	12	1.8	5	0.8	17	1.3	2	0.3	2	0.3	4	0.3
40-44	27	4.2	11	1.8	38	3.0	1	0.2	3	0.5	4	0.3
45-49	39	7.7	17	3.5	56	5.7	5	1.0	4	0.8	9	0.9
50-54	64	15.2	23	5.7	87	10.6	14	3.3	3	0.7	17	2.1
55-59	118	32.2	43	12.1	161	22.3	27	7.4	9	2.5	36	5.0
60-64	209	57.0	50	13.5	259	35.2	42	11.5	12	3.3	54	7.3
65-69	278	88.3	89	25.4	367	55.1	60	19.1	32	9.1	92	13.8
70-74	255	117.9	89	33.0	344	70.7	77	35.6	29	10.7	106	21.8
75-79	256	164.0	90	40.2	346	91.0	104	66.6	45	20.1	149	39.2
80-84	158	193.4	67	47.5	225	100.9	76	93.0	44	31.2	120	53.8
85 and over	97	230.3	54	50.1	151	100.7	70	166.2	50	46.4	120	80.0
Total	1,532		547		2,079		479		233		712	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	18.0		6.4		12.2		5.6		2.7		4.2	
Conf. interval	17.1 - 18.9		5.9 - 6.9		11.6 - 12.7		5.1 - 6.1		2.4 - 3.1		3.9 - 4.5	
AS Rate	14.1		4.1		8.6		4.3		1.4		2.6	
Conf. interval	13.4 - 14.9		3.7 - 4.4		8.2 - 9.0		3.9 - 4.7		1.2 - 1.6		2.4 - 2.8	
Lifetime risk	1 in 62		1 in 207		1 in 98							
PYLL							1,967		890		2,856	
Per cent of all cancers	4.7		2.0		3.5		2.8		1.8		2.4	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	516	14.2	197	4.3	713	8.7	178	4.8	84	1.5	262	2.9
Vic	493	18.4	180	5.4	672	11.1	133	4.7	56	1.4	189	2.7
Qld	288	17.1	99	5.1	387	10.6	74	4.2	29	1.2	103	2.5
WA	100	11.6	38	3.5	138	7.2	40	4.6	14	1.2	54	2.6
SA	115	11.8	41	3.2	156	7.0	46	4.6	20	1.3	66	2.7
Tas	43	14.6	18	4.9	60	9.3	11	3.6	8	1.7	18	2.5
ACT	10	10.2	4	3.0	14	6.1	7	8.3	2	1.3	9	4.1
NT	6	12.6	1	3.8	7	8.6	3	5.3	1	2.0	3	3.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 115: Cancer of the kidney and other and unspecified urinary organs (ICD 189)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	6	0.9	17	2.8	23	1.8	1	0.2	0	0.0	1	0.1
5-9	2	0.3	2	0.3	4	0.3	1	0.2	0	0.0	1	0.1
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	1	0.1	1	0.1
20-24	3	0.4	5	0.7	8	0.6	1	0.1	0	0.0	1	0.1
25-29	2	0.3	2	0.3	4	0.3	0	0.0	1	0.1	1	0.1
30-34	7	1.0	3	0.4	10	0.7	0	0.0	0	0.0	0	0.0
35-39	23	3.5	7	1.1	30	2.3	5	0.8	4	0.6	9	0.7
40-44	33	5.1	20	3.2	53	4.2	16	2.5	6	1.0	22	1.7
45-49	51	10.1	30	6.3	81	8.2	22	4.3	6	1.3	28	2.8
50-54	67	15.9	39	9.7	106	12.9	32	7.6	8	2.0	40	4.9
55-59	99	27.0	61	17.1	160	22.1	38	10.4	16	4.5	54	7.5
60-64	135	36.8	76	20.6	211	28.7	52	14.2	32	8.7	84	11.4
65-69	157	49.9	77	21.9	234	35.1	70	22.2	37	10.5	107	16.1
70-74	123	56.9	86	31.9	209	43.0	53	24.5	50	18.5	103	21.2
75-79	98	62.8	87	38.8	185	48.7	76	48.7	51	22.8	127	33.4
80-84	62	75.9	48	34.0	110	49.4	39	47.7	39	27.6	78	35.0
85 and over	20	47.5	32	29.7	52	34.7	21	49.9	26	24.1	47	31.4
Total	890		592		1,482		427		277		704	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	10.4		6.9		8.7		5.0		3.2		4.1	
Conf. interval	9.7 – 11.1		6.4 – 7.5		8.2 – 9.1		4.5 – 5.5		2.9 – 3.6		3.8 – 4.4	
AS Rate	8.6		5.1		6.8		4.0		2.0		2.9	
Conf. interval	8.1 – 9.2		4.7 – 5.5		6.4 – 7.1		3.6 – 4.4		1.7 – 2.2		2.7 – 3.1	
Lifetime risk	1 in 96		1 in 172		1 in 125							
PYLL							3,635		1,725		5,360	
Per cent of all cancers	2.7		2.1		2.5		2.5		2.1		2.3	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	290	8.3	219	5.5	509	6.8	135	3.7	109	2.4	244	3.0
Vic	207	8.2	122	4.2	328	6.0	104	3.9	56	1.6	160	2.7
Qld	133	8.2	93	5.4	226	6.7	61	3.6	49	2.5	110	3.0
WA	60	7.2	43	4.7	103	5.8	29	3.4	22	2.2	51	2.8
SA	73	8.2	42	4.1	115	6.0	38	4.2	22	1.9	60	2.9
Tas	25	9.1	13	4.3	38	6.6	12	4.2	6	1.9	18	3.0
ACT	10	10.2	5	4.2	15	6.9	4	4.1	2	1.8	6	2.8
NT	2	3.6	1	2.7	3	3.2	1	2.5	1	2.2	2	2.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 116: Cancer of the eye (ICD 190)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	7	1.1	9	1.5	16	1.3	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
20-24	2	0.3	1	0.1	3	0.2	0	0.0	0	0.0	0	0.0
25-29	1	0.1	4	0.6	5	0.4	0	0.0	0	0.0	0	0.0
30-34	2	0.3	2	0.3	4	0.3	0	0.0	1	0.1	1	0.1
35-39	3	0.5	2	0.3	5	0.4	0	0.0	0	0.0	0	0.0
40-44	4	0.6	4	0.6	8	0.6	1	0.2	0	0.0	1	0.1
45-49	3	0.6	3	0.6	6	0.6	0	0.0	0	0.0	0	0.0
50-54	2	0.5	4	1.0	6	0.7	0	0.0	1	0.2	1	0.1
55-59	10	2.7	3	0.8	13	1.8	0	0.0	0	0.0	0	0.0
60-64	12	3.3	9	2.4	21	2.9	2	0.5	0	0.0	2	0.3
65-69	11	3.5	6	1.7	17	2.6	3	1.0	1	0.3	4	0.6
70-74	5	2.3	7	2.6	12	2.5	1	0.5	1	0.4	2	0.4
75-79	13	8.3	6	2.7	19	5.0	2	1.3	1	0.4	3	0.8
80-84	6	7.3	8	5.7	14	6.3	2	2.4	0	0.0	2	0.9
85 and over	3	7.1	6	5.6	9	6.0	1	2.4	1	0.9	2	1.3
Total	85		74		159		12		6		18	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.0		0.9		0.9		0.1		0.1		0.1	
Conf. interval	0.8 - 1.2		0.7 - 1.1		0.8 - 1.1		0.1 - 0.2		0.0 - 0.1		0.1 - 0.2	
AS Rate	0.9		0.7		0.8		0.1		0.0		0.1	
Conf. interval	0.7 - 1.1		0.5 - 0.9		0.6 - 0.9		0.0 - 0.2		0.0 - 0.1		0.0 - 0.1	
Lifetime risk	1 in 1,259		1 in 1,584		1 in 1,406							
PYLL							72		70		141	
Per cent of all cancers	0.3		0.3		0.3		0.1		0.0		0.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	33	1.0	28	0.9	62	0.9	5	0.1	5	0.1	9	0.1
Vic	20	0.8	16	0.6	36	0.7	3	0.1	2	0.1	6	0.1
Qld	20	1.2	13	0.8	33	1.0	3	0.2	2	0.1	5	0.1
WA	7	0.9	6	0.7	13	0.8	1	0.1	1	0.1	2	0.1
SA	7	0.8	6	0.6	12	0.7	1	0.1	1	0.0	2	0.1
Tas	2	1.0	1	0.2	3	0.5	1	0.2	0	0.2	1	0.2
ACT	1	0.7	1	0.8	2	0.8	0	0.2	0	0.0	0	0.1
NT	0	0.8	0	1.0	1	1.0	0	0.0	0	0.8	0	0.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 117: Cancer of the brain and nervous system (ICD 191–192)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	25	3.9	19	3.1	44	3.5	8	1.2	5	0.8	13	1.0
5–9	13	2.0	16	2.6	29	2.3	6	0.9	8	1.3	14	1.1
10–14	14	2.2	14	2.3	28	2.3	6	1.0	7	1.2	13	1.1
15–19	21	2.9	8	1.2	29	2.1	6	0.8	4	0.6	10	0.7
20–24	16	2.3	25	3.7	41	3.0	6	0.9	4	0.6	10	0.7
25–29	13	1.8	11	1.6	24	1.7	13	1.8	7	1.0	20	1.4
30–34	34	4.8	18	2.6	52	3.7	16	2.3	8	1.2	24	1.7
35–39	37	5.6	26	4.0	63	4.8	19	2.9	10	1.5	29	2.2
40–44	36	5.6	37	5.9	73	5.7	32	4.9	22	3.5	54	4.2
45–49	43	8.5	29	6.1	72	7.3	38	7.5	29	6.1	67	6.8
50–54	52	12.3	28	7.0	80	9.7	44	10.4	34	8.5	78	9.5
55–59	54	14.7	30	8.4	84	11.6	64	17.4	42	11.8	106	14.7
60–64	63	17.2	57	15.4	120	16.3	70	19.1	55	14.9	125	17.0
65–69	80	25.4	58	16.5	138	20.7	62	19.7	55	15.7	117	17.6
70–74	52	24.0	44	16.3	96	19.7	56	25.9	44	16.3	100	20.6
75–79	52	33.3	42	18.7	94	24.7	44	28.2	53	23.7	97	25.5
80–84	26	31.8	25	17.7	51	22.9	28	34.3	22	15.6	50	22.4
85 and over	10	23.7	6	5.6	16	10.7	11	26.1	13	12.1	24	16.0
Total	641		493		1,134		529		422		951	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	7.5		5.8		6.6		6.2		4.9		5.6	
Conf. interval	6.9 – 8.1		5.3 – 6.3		6.3 – 7.0		5.7 – 6.7		4.5 – 5.4		5.2 – 5.9	
AS Rate	6.7		4.9		5.7		5.3		3.9		4.6	
Conf. interval	6.1 – 7.2		4.5 – 5.4		5.4 – 6.1		4.9 – 5.8		3.5 – 4.3		4.3 – 4.9	
Lifetime risk	1 in 150		1 in 207		1 in 175							
PYLL							8,548		6,565		15,113	
Per cent of all cancers	2.0		1.8		1.9		3.1		3.2		3.2	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	210	6.6	162	4.8	372	5.6	165	4.9	121	3.3	285	4.1
Vic	163	6.9	125	4.8	288	5.8	131	5.3	97	3.5	227	4.3
Qld	99	6.7	73	4.8	171	5.7	75	4.9	60	3.6	135	4.3
WA	50	6.3	45	5.2	95	5.8	39	4.7	34	3.7	72	4.1
SA	53	6.4	44	5.1	96	5.7	45	5.3	36	3.8	81	4.5
Tas	18	7.1	10	3.9	28	5.4	14	5.4	8	2.6	22	4.0
ACT	7	5.3	6	5.3	13	5.3	6	4.8	4	3.5	11	4.2
NT	4	5.6	2	3.6	6	4.8	2	3.1	2	4.0	4	3.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 118: Cancer of the thyroid gland (ICD 193)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
5-9	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
10-14	0	0.0	2	0.3	2	0.2	0	0.0	0	0.0	0	0.0
15-19	2	0.3	4	0.6	6	0.4	0	0.0	0	0.0	0	0.0
20-24	5	0.7	22	3.3	27	2.0	0	0.0	1	0.1	1	0.1
25-29	11	1.5	39	5.6	50	3.5	0	0.0	0	0.0	0	0.0
30-34	10	1.4	43	6.2	53	3.8	0	0.0	0	0.0	0	0.0
35-39	4	0.6	30	4.6	34	2.6	0	0.0	0	0.0	0	0.0
40-44	11	1.7	40	6.4	51	4.0	2	0.3	0	0.0	2	0.2
45-49	10	2.0	29	6.1	39	4.0	4	0.8	0	0.0	4	0.4
50-54	11	2.6	28	7.0	39	4.7	8	1.9	1	0.2	9	1.1
55-59	13	3.5	30	8.4	43	5.9	3	0.8	2	0.6	5	0.7
60-64	21	5.7	24	6.5	45	6.1	5	1.4	1	0.3	6	0.8
65-69	17	5.4	19	5.4	36	5.4	9	2.9	6	1.7	15	2.3
70-74	13	6.0	17	6.3	30	6.2	4	1.8	6	2.2	10	2.1
75-79	10	6.4	17	7.6	27	7.1	5	3.2	5	2.2	10	2.6
80-84	4	4.9	9	6.4	13	5.8	3	3.7	8	5.7	11	4.9
85 and over	2	4.7	7	6.5	9	6.0	3	7.1	8	7.4	11	7.3
Total	146		360		506		46		38		84	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.7		4.2		3.0		0.5		0.4		0.5	
Conf. interval	1.4 – 2.0		3.8 – 4.6		2.7 – 3.2		0.4 – 0.7		0.3 – 0.6		0.4 – 0.6	
AS Rate	1.5		3.6		2.5		0.5		0.2		0.4	
Conf. interval	1.2 – 1.7		3.2 – 3.9		2.3 – 2.7		0.3 – 0.6		0.2 – 0.3		0.3 – 0.4	
Lifetime risk	1 in 629		1 in 301		1 in 409							
PYLL							471		169		640	
Per cent of all cancers	0.4		1.3		0.8		0.3		0.3		0.3	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	45	1.4	130	3.9	175	2.6	9	0.3	15	0.3	24	0.3
Vic	33	1.4	70	2.7	103	2.0	8	0.3	13	0.4	21	0.3
Qld	21	1.3	55	3.5	76	2.4	5	0.3	5	0.2	9	0.2
WA	12	1.4	33	3.8	45	2.6	2	0.2	3	0.3	5	0.3
SA	11	1.3	28	3.1	39	2.3	2	0.2	5	0.4	7	0.3
Tas	3	1.1	9	3.1	11	2.1	1	0.4	1	0.3	2	0.3
ACT	1	1.0	5	3.4	6	2.2	0	0.2	0	0.4	1	0.3
NT	1	2.1	3	4.7	4	3.2	1	1.5	0	0.3	1	1.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 119: Cancer of other endocrine glands (ICD 194)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	8	1.2	7	1.1	15	1.2	7	1.1	6	1.0	13	1.0
5-9	2	0.3	3	0.5	5	0.4	4	0.6	2	0.3	6	0.5
10-14	2	0.3	2	0.3	4	0.3	1	0.2	1	0.2	2	0.2
15-19	5	0.7	0	0.0	5	0.4	2	0.3	1	0.1	3	0.2
20-24	3	0.4	0	0.0	3	0.2	2	0.3	0	0.0	2	0.1
25-29	1	0.1	3	0.4	4	0.3	0	0.0	0	0.0	0	0.0
30-34	1	0.1	1	0.1	2	0.1	1	0.1	0	0.0	1	0.1
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	4	0.6	0	0.0	4	0.3	1	0.2	0	0.0	1	0.1
45-49	4	0.8	4	0.8	8	0.8	2	0.4	0	0.0	2	0.2
50-54	0	0.0	2	0.5	2	0.2	0	0.0	1	0.2	1	0.1
55-59	3	0.8	0	0.0	3	0.4	0	0.0	0	0.0	0	0.0
60-64	4	1.1	2	0.5	6	0.8	3	0.8	1	0.3	4	0.5
65-69	0	0.0	2	0.6	2	0.3	2	0.6	1	0.3	3	0.5
70-74	1	0.5	3	1.1	4	0.8	1	0.5	3	1.1	4	0.8
75-79	3	1.9	0	0.0	3	0.8	2	1.3	0	0.0	2	0.5
80-84	0	0.0	0	0.0	0	0.0	1	1.2	2	1.4	3	1.3
85 and over	1	2.4	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0
Total	42		29		71		29		18		47	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.5		0.3		0.4		0.3		0.2		0.3	
Conf. interval	0.3 - 0.6		0.2 - 0.5		0.3 - 0.5		0.2 - 0.5		0.1 - 0.3		0.2 - 0.4	
AS Rate	0.5		0.4		0.5		0.4		0.2		0.3	
Conf. interval	0.4 - 0.7		0.2 - 0.5		0.3 - 0.6		0.2 - 0.5		0.1 - 0.4		0.2 - 0.4	
Lifetime risk	1 in 2,833		1 in 3,282		1 in 3,011							
PYLL							1,144		716		1,861	
Per cent of all cancers	0.1		0.1		0.1		0.2		0.1		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	14	0.5	13	0.5	26	0.5	6	0.2	7	0.2	13	0.2
Vic	10	0.5	6	0.3	15	0.4	9	0.5	8	0.3	17	0.4
Qld	7	0.5	6	0.5	12	0.5	4	0.3	4	0.3	8	0.3
WA	4	0.5	3	0.4	7	0.5	2	0.3	3	0.4	5	0.3
SA	3	0.5	3	0.5	6	0.5	2	0.3	3	0.4	5	0.3
Tas	1	0.8	0	0.1	2	0.5	1	0.5	1	0.3	2	0.4
ACT	1	0.7	1	0.5	1	0.6	0	0.0	0	0.2	0	0.1
NT	0	0.4	0	0.7	1	0.5	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 120: Cancer of an unknown primary site (ICD 195–199)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	6	0.9	4	0.7	10	0.8	0	0.0	0	0.0	0	0.0
5–9	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1
10–14	0	0.0	1	0.2	1	0.1	0	0.0	1	0.2	1	0.1
15–19	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	1	0.1
20–24	4	0.6	0	0.0	4	0.3	1	0.1	0	0.0	1	0.1
25–29	2	0.3	5	0.7	7	0.5	3	0.4	4	0.6	7	0.5
30–34	11	1.6	8	1.2	19	1.4	5	0.7	1	0.1	6	0.4
35–39	20	3.0	22	3.4	42	3.2	11	1.7	7	1.1	18	1.4
40–44	27	4.2	38	6.1	65	5.1	18	2.8	18	2.9	36	2.8
45–49	48	9.5	41	8.6	89	9.0	9	1.8	18	3.8	27	2.7
50–54	84	19.9	57	14.2	141	17.1	39	9.3	39	9.7	78	9.5
55–59	128	34.9	81	22.7	209	28.9	78	21.3	53	14.9	131	18.1
60–64	218	59.5	136	36.9	354	48.1	140	38.2	72	19.5	212	28.8
65–69	262	83.2	194	55.3	456	68.5	165	52.4	137	39.0	302	45.3
70–74	250	115.5	180	66.7	430	88.4	178	82.3	136	50.4	314	64.6
75–79	212	135.8	226	100.9	438	115.2	151	96.8	150	67.0	301	79.2
80–84	152	186.0	183	129.6	335	150.3	117	143.2	130	92.1	247	110.8
85 and over	87	206.5	181	167.9	268	178.8	83	197.0	171	158.6	254	169.4
Total	1,511		1,357		2,868		1,000		937		1,937	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	17.7		15.9		16.8		11.7		11.0		11.3	
Conf. interval	16.8 – 18.6		15.0 – 16.7		16.2 – 17.4		11.0 – 12.4		10.3 – 11.7		10.8 – 11.8	
AS Rate	14.2		9.9		11.8		9.2		6.5		7.7	
Conf. interval	13.4 – 14.9		9.3 – 10.4		11.4 – 12.3		8.6 – 9.8		6.0 – 6.9		7.3 – 8.1	
Lifetime risk	1 in 61		1 in 93		1 in 74							
PYLL							6,465		5,250		11,714	
Per cent of all cancers	4.6		4.9		4.8		5.9		7.2		6.4	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	520	14.4	450	9.5	971	11.7	358	9.9	305	6.3	663	7.8
Vic	356	13.5	319	9.2	676	11.1	248	9.3	219	5.9	467	7.4
Qld	205	12.3	152	8.0	357	9.9	161	9.4	127	6.0	288	7.6
WA	148	17.3	127	11.9	275	14.5	68	7.8	68	6.0	137	6.9
SA	87	8.9	94	7.5	181	8.1	79	8.1	82	6.4	161	7.1
Tas	37	13.3	36	9.2	73	11.1	29	10.0	28	7.0	57	8.5
ACT	10	10.2	10	8.1	20	9.0	5	4.4	5	4.4	10	4.4
NT	11	23.1	4	12.1	15	18.6	4	8.0	2	5.1	6	6.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 121: Non-Hodgkin's lymphoma (ICD 200+202)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	9	1.4	3	0.5	12	1.0	3	0.5	1	0.2	4	0.3
5-9	11	1.7	5	0.8	16	1.3	0	0.0	1	0.2	1	0.1
10-14	6	1.0	3	0.5	9	0.7	1	0.2	1	0.2	2	0.2
15-19	15	2.1	5	0.7	20	1.4	8	1.1	2	0.3	10	0.7
20-24	11	1.6	6	0.9	17	1.2	8	1.2	0	0.0	8	0.6
25-29	23	3.2	22	3.1	45	3.2	10	1.4	4	0.6	14	1.0
30-34	50	7.1	18	2.6	68	4.9	15	2.1	4	0.6	19	1.4
35-39	43	6.6	29	4.4	72	5.5	20	3.0	4	0.6	24	1.8
40-44	83	12.8	45	7.2	128	10.1	27	4.2	9	1.4	36	2.8
45-49	86	17.0	40	8.3	126	12.8	34	6.7	14	2.9	48	4.9
50-54	108	25.6	73	18.2	181	22.0	33	7.8	20	5.0	53	6.4
55-59	115	31.4	78	21.9	193	26.7	47	12.8	29	8.1	76	10.5
60-64	142	38.7	98	26.6	240	32.6	67	18.3	44	11.9	111	15.1
65-69	153	48.6	132	37.6	285	42.8	69	21.9	74	21.1	143	21.5
70-74	177	81.8	141	52.2	318	65.4	85	39.3	100	37.0	185	38.0
75-79	123	78.8	135	60.3	258	67.9	103	66.0	98	43.7	201	52.9
80-84	86	105.3	87	61.6	173	77.6	61	74.7	71	50.3	132	59.2
85 and over	44	104.5	59	54.7	103	68.7	42	99.7	62	57.5	104	69.4
Total	1,285		979		2,264		633		538		1,171	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	15.1		11.4		13.3		7.4		6.3		6.9	
Conf. interval	14.2 – 15.9		10.7 – 12.2		12.7 – 13.8		6.8 – 8.0		5.8 – 6.8		6.5 – 7.2	
AS Rate	12.6		8.1		10.3		5.9		3.9		4.8	
Conf. interval	11.9 – 13.3		7.6 – 8.7		9.8 – 10.7		5.5 – 6.4		3.5 – 4.2		4.5 – 5.1	
Lifetime risk	1 in 72		1 in 108		1 in 87							
PYLL							6,191		3,522		9,713	
Per cent of all cancers	3.9		3.6		3.8		3.7		4.1		3.9	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	413	12.0	331	8.0	743	9.9	213	6.0	173	3.6	386	4.7
Vic	315	12.5	243	8.2	558	10.2	161	6.1	137	4.1	298	5.0
Qld	183	11.4	148	8.1	331	9.7	86	5.3	70	3.2	157	4.2
WA	97	11.3	72	7.5	169	9.3	51	5.8	38	3.5	89	4.6
SA	108	11.9	94	8.8	201	10.3	49	5.3	50	4.3	99	4.7
Tas	28	10.1	28	9.1	55	9.5	15	5.2	12	3.8	28	4.4
ACT	11	9.2	11	8.8	22	9.1	5	4.7	5	4.0	10	4.4
NT	3	5.2	3	7.9	6	6.5	2	3.9	1	3.0	3	3.5

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 122: Hodgkin's disease (ICD 201)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	3	0.5	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
5-9	4	0.6	0	0.0	4	0.3	0	0.0	0	0.0	0	0.0
10-14	10	1.6	4	0.7	14	1.1	0	0.0	0	0.0	0	0.0
15-19	23	3.2	19	2.8	42	3.0	0	0.0	0	0.0	0	0.0
20-24	19	2.7	21	3.1	40	2.9	1	0.1	1	0.1	2	0.1
25-29	23	3.2	24	3.4	47	3.3	3	0.4	1	0.1	4	0.3
30-34	14	2.0	11	1.6	25	1.8	4	0.6	2	0.3	6	0.4
35-39	11	1.7	11	1.7	22	1.7	4	0.6	1	0.2	5	0.4
40-44	24	3.7	8	1.3	32	2.5	4	0.6	1	0.2	5	0.4
45-49	16	3.2	5	1.0	21	2.1	0	0.0	1	0.2	1	0.1
50-54	8	1.9	6	1.5	14	1.7	2	0.5	0	0.0	2	0.2
55-59	13	3.5	3	0.8	16	2.2	1	0.3	1	0.3	2	0.3
60-64	12	3.3	9	2.4	21	2.9	7	1.9	1	0.3	8	1.1
65-69	11	3.5	4	1.1	15	2.3	3	1.0	6	1.7	9	1.4
70-74	4	1.8	8	3.0	12	2.5	2	0.9	7	2.6	9	1.9
75-79	7	4.5	7	3.1	14	3.7	2	1.3	3	1.3	5	1.3
80-84	4	4.9	6	4.2	10	4.5	4	4.9	6	4.2	10	4.5
85 and over	1	2.4	2	1.9	3	2.0	3	7.1	1	0.9	4	2.7
Total	207		148		355		40		32		72	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	2.4		1.7		2.1		0.5		0.4		0.4	
Conf. interval	2.1 – 2.8		1.5 – 2.0		1.9 – 2.3		0.3 – 0.6		0.2 – 0.5		0.3 – 0.5	
AS Rate	2.2		1.5		1.9		0.4		0.2		0.3	
Conf. interval	1.9 – 2.6		1.3 – 1.8		1.7 – 2.1		0.3 – 0.5		0.1 – 0.3		0.2 – 0.4	
Lifetime risk	1 in 550		1 in 818		1 in 656							
PYLL							727		349		1,076	
Per cent of all cancers	0.6		0.5		0.6		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	67	2.2	47	1.4	114	1.8	26	0.8	15	0.4	41	0.6
Vic	56	2.4	44	1.8	100	2.1	15	0.6	12	0.4	27	0.5
Qld	32	2.1	22	1.4	54	1.7	9	0.5	6	0.3	15	0.4
WA	16	1.9	12	1.3	28	1.6	5	0.5	3	0.3	7	0.4
SA	15	1.9	11	1.4	25	1.6	4	0.5	2	0.2	6	0.3
Tas	5	2.2	5	1.8	10	2.0	2	0.6	1	0.4	3	0.5
ACT	3	1.7	2	1.1	4	1.5	0	0.2	0	0.0	0	0.1
NT	1	1.0	0	0.2	1	0.6	0	0.8	0	0.0	0	0.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 123: All lymphomas (ICD 200–202)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	12	1.9	3	0.5	15	1.2	3	0.5	1	0.2	4	0.3
5–9	15	2.3	5	0.8	20	1.6	0	0.0	1	0.2	1	0.1
10–14	16	2.5	7	1.2	23	1.9	1	0.2	1	0.2	2	0.2
15–19	38	5.3	24	3.5	62	4.4	8	1.1	2	0.3	10	0.7
20–24	30	4.3	27	4.0	57	4.2	9	1.3	1	0.1	10	0.7
25–29	46	6.4	46	6.6	92	6.5	13	1.8	5	0.7	18	1.3
30–34	64	9.1	29	4.2	93	6.6	19	2.7	6	0.9	25	1.8
35–39	54	8.2	40	6.1	94	7.2	24	3.7	5	0.8	29	2.2
40–44	107	16.5	53	8.5	160	12.6	31	4.8	10	1.6	41	3.2
45–49	102	20.2	45	9.4	147	14.9	34	6.7	15	3.1	49	5.0
50–54	116	27.5	79	19.7	195	23.7	35	8.3	20	5.0	55	6.7
55–59	128	34.9	81	22.7	209	28.9	48	13.1	30	8.4	78	10.8
60–64	154	42.0	107	29.0	261	35.5	74	20.2	45	12.2	119	16.2
65–69	164	52.1	136	38.7	300	45.0	72	22.9	80	22.8	152	22.8
70–74	181	83.7	149	55.2	330	67.8	87	40.2	107	39.6	194	39.9
75–79	130	83.3	142	63.4	272	71.6	105	67.3	101	45.1	206	54.2
80–84	90	110.1	93	65.9	183	82.1	65	79.6	77	54.5	142	63.7
85 and over	45	106.8	61	56.6	106	70.7	45	106.8	63	58.4	108	72.0
Total	1,492		1,127		2,619		673		570		1,243	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	17.5		13.2		15.3		7.9		6.7		7.3	
Conf. interval	16.6 – 18.4		12.4 – 13.9		14.7 – 15.9		7.3 – 8.5		6.1 – 7.2		6.9 – 7.7	
AS Rate	14.9		9.7		12.1		6.3		4.1		5.1	
Conf. interval	14.1 – 15.6		9.1 – 10.3		11.7 – 12.6		5.8 – 6.8		3.7 – 4.5		4.8 – 5.4	
Lifetime risk	1 in 64		1 in 96		1 in 77							
PYLL							6,918		3,872		10,790	
Per cent of all cancers	4.6		4.1		4.4		4.0		4.4		4.1	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	480	14.2	377	9.5	857	11.7	239	6.7	188	3.9	427	5.2
Vic	371	14.9	287	10.0	658	12.3	176	6.7	148	4.5	324	5.5
Qld	215	13.6	170	9.4	385	11.4	96	5.8	76	3.5	172	4.7
WA	113	13.2	84	8.9	197	10.9	56	6.3	40	3.8	96	5.0
SA	122	13.8	104	10.1	227	11.9	53	5.7	52	4.5	105	5.0
Tas	33	12.3	32	11.0	65	11.5	17	5.8	14	4.2	30	4.8
ACT	14	11.0	13	9.9	27	10.6	5	4.9	5	4.0	10	4.5
NT	4	6.1	4	8.1	7	7.1	2	4.7	1	3.0	3	3.9

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 124: Multiple myeloma (ICD 203)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
30-34	1	0.1	3	0.4	4	0.3	0	0.0	0	0.0	0	0.0
35-39	4	0.6	4	0.6	8	0.6	1	0.2	0	0.0	1	0.1
40-44	8	1.2	5	0.8	13	1.0	6	0.9	0	0.0	6	0.5
45-49	12	2.4	7	1.5	19	1.9	8	1.6	2	0.4	10	1.0
50-54	27	6.4	19	4.7	46	5.6	8	1.9	4	1.0	12	1.5
55-59	29	7.9	26	7.3	55	7.6	21	5.7	22	6.2	43	5.9
60-64	44	12.0	47	12.7	91	12.4	39	10.6	25	6.8	64	8.7
65-69	57	18.1	69	19.7	126	18.9	49	15.6	34	9.7	83	12.5
70-74	58	26.8	52	19.3	110	22.6	43	19.9	44	16.3	87	17.9
75-79	56	35.9	53	23.7	109	28.7	48	30.8	42	18.7	90	23.7
80-84	45	55.1	34	24.1	79	35.4	37	45.3	45	31.9	82	36.8
85 and over	22	52.2	23	21.3	45	30.0	29	68.8	23	21.3	52	34.7
Total	363		343		706		289		241		530	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	4.3		4.0		4.1		3.4		2.8		3.1	
Conf. interval	3.8 - 4.7		3.6 - 4.4		3.8 - 4.4		3.0 - 3.8		2.5 - 3.2		2.8 - 3.4	
AS Rate	3.4		2.7		2.9		2.7		1.7		2.1	
Conf. interval	3.0 - 3.7		2.4 - 3.0		2.7 - 3.2		2.3 - 3.0		1.4 - 1.9		1.9 - 2.3	
Lifetime risk	1 in 265		1 in 298		1 in 282							
PYLL							1,693		1,103		2,796	
Per cent of all cancers	1.1		1.2		1.2		1.7		1.8		1.8	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	130	3.7	110	2.4	240	3.0	95	2.6	81	1.7	176	2.1
Vic	87	3.3	87	2.6	174	2.9	63	2.4	58	1.5	122	1.9
Qld	49	2.9	38	1.9	86	2.4	43	2.5	32	1.5	75	1.9
WA	26	3.0	23	2.2	49	2.5	19	2.2	20	1.9	39	2.0
SA	47	4.8	35	3.0	82	3.8	25	2.6	24	1.9	50	2.2
Tas	10	3.6	8	2.2	18	2.8	7	2.7	5	1.2	13	1.8
ACT	4	4.3	5	3.9	9	3.9	3	2.6	3	2.2	5	2.3
NT	0	1.0	0	0.0	0	0.5	1	1.6	0	0.6	1	1.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 125: Lymphatic leukaemia (ICD 204)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	47	7.3	33	5.4	80	6.4	7	1.1	2	0.3	9	0.7
5-9	26	4.0	14	2.3	40	3.2	11	1.7	3	0.5	14	1.1
10-14	18	2.9	9	1.5	27	2.2	4	0.6	4	0.7	8	0.7
15-19	20	2.8	10	1.5	30	2.1	7	1.0	9	1.3	16	1.1
20-24	7	1.0	7	1.0	14	1.0	5	0.7	2	0.3	7	0.5
25-29	4	0.6	3	0.4	7	0.5	3	0.4	4	0.6	7	0.5
30-34	2	0.3	1	0.1	3	0.2	4	0.6	1	0.1	5	0.4
35-39	2	0.3	2	0.3	4	0.3	5	0.8	1	0.2	6	0.5
40-44	6	0.9	0	0.0	6	0.5	5	0.8	2	0.3	7	0.6
45-49	14	2.8	5	1.0	19	1.9	5	1.0	0	0.0	5	0.5
50-54	16	3.8	12	3.0	28	3.4	2	0.5	2	0.5	4	0.5
55-59	29	7.9	11	3.1	40	5.5	12	3.3	3	0.8	15	2.1
60-64	51	13.9	25	6.8	76	10.3	14	3.8	8	2.2	22	3.0
65-69	51	16.2	36	10.3	87	13.1	18	5.7	6	1.7	24	3.6
70-74	61	28.2	36	13.3	97	19.9	25	11.6	14	5.2	39	8.0
75-79	47	30.1	34	15.2	81	21.3	28	17.9	20	8.9	48	12.6
80-84	25	30.6	31	22.0	56	25.1	23	28.1	23	16.3	46	20.6
85 and over	16	38.0	16	14.8	32	21.3	18	42.7	23	21.3	41	27.3
Total	442		285		727		196		127		323	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	5.2		3.3		4.3		2.3		1.5		1.9	
Conf. interval	4.7 - 5.7		2.9 - 3.7		3.9 - 4.6		2.0 - 2.6		1.2 - 1.7		1.7 - 2.1	
AS Rate	4.9		2.8		3.8		2.0		1.0		1.4	
Conf. interval	4.4 - 5.4		2.4 - 3.2		3.5 - 4.1		1.7 - 2.3		0.8 - 1.1		1.2 - 1.6	
Lifetime risk	1 in 216		1 in 400		1 in 284							
PYLL							3,237		1,731		4,968	
Per cent of all cancers	1.4		1.0		1.2		1.2		1.0		1.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	142	4.6	101	2.9	242	3.7	72	2.2	54	1.2	127	1.7
Vic	102	4.5	69	2.6	171	3.5	56	2.2	35	1.0	91	1.5
Qld	68	4.7	41	2.7	109	3.7	30	1.9	23	1.3	53	1.5
WA	31	4.1	16	2.1	47	3.0	16	2.0	7	0.6	23	1.2
SA	57	6.8	45	4.4	102	5.5	21	2.3	14	1.3	35	1.7
Tas	16	6.5	10	3.1	26	4.7	5	2.0	4	1.1	9	1.5
ACT	6	6.4	2	1.9	9	3.9	2	2.2	2	1.4	4	1.8
NT	2	2.9	0	0.6	2	1.9	0	0.2	0	0.6	1	0.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 126: Acute lymphatic leukaemia (ICD 204.0)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	46	7.3	25	4.1	71	5.7	1	0.2	2	0.3	3	0.2
5-9	25	3.9	15	2.5	40	3.2	12	1.9	7	1.2	19	1.5
10-14	13	2.1	13	2.2	26	2.1	6	1.0	11	1.9	17	1.4
15-19	12	1.7	6	0.9	18	1.3	16	2.2	1	0.1	17	1.2
20-24	5	0.7	2	0.3	7	0.5	5	0.7	5	0.8	10	0.7
25-29	6	0.8	3	0.4	9	0.6	4	0.6	3	0.4	7	0.5
30-34	5	0.7	1	0.1	6	0.4	2	0.3	2	0.3	4	0.3
35-39	6	0.9	4	0.6	10	0.8	3	0.5	1	0.2	4	0.3
40-44	3	0.5	1	0.2	4	0.3	0	0.0	2	0.3	2	0.2
45-49	4	0.8	0	0.0	4	0.4	6	1.2	1	0.2	7	0.7
50-54	1	0.2	2	0.5	3	0.4	2	0.5	3	0.8	5	0.6
55-59	7	1.9	3	0.8	10	1.4	3	0.8	4	1.1	7	1.0
60-64	5	1.4	1	0.3	6	0.8	5	1.4	1	0.3	6	0.8
65-69	3	1.0	3	0.9	6	0.9	3	1.0	4	1.1	7	1.1
70-74	4	1.9	1	0.4	5	1.0	1	0.5	3	1.1	4	0.8
75-79	5	3.2	2	0.9	7	1.8	2	1.3	3	1.3	5	1.3
80-84	1	1.2	1	0.7	2	0.9	2	2.5	4	2.8	6	2.7
85 and over	1	2.4	3	2.8	4	2.7	1	2.4	3	2.8	4	2.7
Total	152		86		238		74		60		134	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.8		1.0		1.4		0.9		0.7		0.8	
Conf. interval	1.5 - 2.1		0.8 - 1.2		1.2 - 1.6		0.7 - 1.1		0.5 - 0.9		0.7 - 0.9	
AS Rate	2.2		1.3		1.7		0.9		0.7		0.8	
Conf. interval	1.8 - 2.5		1.0 - 1.5		1.5 - 1.9		0.7 - 1.1		0.5 - 0.9		0.7 - 0.9	
Lifetime risk	1 in 777		1 in 1,409		1 in 1,001							
PYLL							2,867		2,260		5,127	
Per cent of all cancers	0.5		0.3		0.4		0.4		0.5		0.4	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	43	1.8	34	1.5	77	1.7	26	1.0	19	0.6	45	0.8
Vic	37	2.1	26	1.5	64	1.8	20	0.9	11	0.5	31	0.7
Qld	25	2.2	14	1.3	39	1.8	20	1.4	11	0.7	31	1.0
WA	12	1.8	8	1.4	20	1.6	6	0.9	2	0.3	8	0.6
SA	12	2.1	8	1.4	20	1.7	7	0.9	5	0.7	12	0.8
Tas	5	2.8	2	1.0	8	1.9	2	0.8	2	0.6	4	0.7
ACT	3	2.3	1	0.8	4	1.6	0	0.1	1	0.8	1	0.5
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.7	0	0.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 127: Chronic lymphatic leukaemia (ICD 204.1)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	1	0.2	0	0.0	1	0.1	1	0.2	0	0.0	1	0.1
40-44	7	1.1	2	0.3	9	0.7	0	0.0	0	0.0	0	0.0
45-49	10	2.0	7	1.5	17	1.7	5	1.0	1	0.2	6	0.6
50-54	11	2.6	6	1.5	17	2.1	3	0.7	2	0.5	5	0.6
55-59	33	9.0	15	4.2	48	6.7	7	1.9	1	0.3	8	1.1
60-64	44	12.1	23	6.3	67	9.1	15	4.1	5	1.4	20	2.7
65-69	40	12.7	35	10.0	75	11.3	22	7.0	7	2.0	29	4.4
70-74	36	16.7	35	13.0	71	14.6	15	7.0	11	4.1	26	5.4
75-79	31	19.9	37	16.5	68	17.9	19	12.2	20	8.9	39	10.3
80-84	26	31.9	30	21.3	56	25.2	19	23.3	17	12.1	36	16.2
85 and over	23	54.7	19	17.6	42	28.1	22	52.3	18	16.7	40	26.7
Total	262		209		471		128		82		210	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.1		2.5		2.8		1.5		1.0		1.2	
Conf. interval	2.7 – 3.5		2.1 – 2.8		2.5 – 3.0		1.3 – 1.8		0.8 – 1.2		1.1 – 1.4	
AS Rate	2.5		1.5		2.0		1.2		0.5		0.8	
Conf. interval	2.2 – 2.8		1.3 – 1.7		1.8 – 2.2		1.0 – 1.4		0.4 – 0.6		0.7 – 0.9	
Lifetime risk	1 in 355		1 in 544		1 in 432							
PYLL							651		213		864	
Per cent of all cancers	0.8		0.8		0.8		0.8		0.6		0.7	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	94	2.6	62	1.3	156	1.9	42	1.2	32	0.5	74	0.8
Vic	63	2.4	40	1.1	104	1.6	33	1.2	22	0.5	55	0.8
Qld	41	2.4	26	1.3	67	1.8	33	1.9	22	0.9	55	1.3
WA	19	2.2	8	0.7	27	1.4	9	1.0	4	0.3	13	0.6
SA	45	4.7	37	3.0	82	3.8	14	1.4	9	0.5	23	0.9
Tas	10	3.7	8	2.1	18	2.8	2	0.8	1	0.1	3	0.4
ACT	4	4.2	1	1.1	5	2.3	2	2.1	1	0.9	3	1.4
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 128: Myeloid leukaemia (ICD 205)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	5	0.8	2	0.3	7	0.6	6	0.9	1	0.2	7	0.6
5-9	6	0.9	6	1.0	12	1.0	0	0.0	1	0.2	1	0.1
10-14	6	1.0	9	1.5	15	1.2	0	0.0	3	0.5	3	0.2
15-19	6	0.8	8	1.2	14	1.0	2	0.3	2	0.3	4	0.3
20-24	7	1.0	8	1.2	15	1.1	4	0.6	4	0.6	8	0.6
25-29	8	1.1	14	2.0	22	1.6	4	0.6	6	0.9	10	0.7
30-34	12	1.7	13	1.9	25	1.8	14	2.0	6	0.9	20	1.4
35-39	25	3.8	15	2.3	40	3.0	10	1.5	10	1.5	20	1.5
40-44	17	2.6	10	1.6	27	2.1	15	2.3	11	1.8	26	2.0
45-49	15	3.0	11	2.3	26	2.6	11	2.2	12	2.5	23	2.3
50-54	21	5.0	13	3.2	34	4.1	20	4.7	14	3.5	34	4.1
55-59	24	6.5	22	6.2	46	6.4	24	6.5	15	4.2	39	5.4
60-64	35	9.5	25	6.8	60	8.2	32	8.7	20	5.4	52	7.1
65-69	56	17.8	30	8.5	86	12.9	47	14.9	34	9.7	81	12.2
70-74	49	22.6	29	10.7	78	16.0	56	25.9	42	15.6	98	20.1
75-79	69	44.2	35	15.6	104	27.4	49	31.4	40	17.9	89	23.4
80-84	28	34.3	26	18.4	54	24.2	33	40.4	29	20.5	62	27.8
85 and over	21	49.9	38	35.3	59	39.4	24	57.0	41	38.0	65	43.4
Total	410		314		724		351		291		642	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	4.8		3.7		4.2		4.1		3.4		3.8	
Conf. interval	4.3 - 5.3		3.3 - 4.1		3.9 - 4.5		3.7 - 4.5		3.0 - 3.8		3.5 - 4.0	
AS Rate	3.9		2.7		3.2		3.3		2.3		2.7	
Conf. interval	3.5 - 4.3		2.4 - 3.0		3.0 - 3.5		3.0 - 3.7		2.0 - 2.5		2.5 - 3.0	
Lifetime risk	1 in 256		1 in 395		1 in 315							
PYLL							3,947		3,201		7,148	
Per cent of all cancers	1.3		1.1		1.2		2.1		2.2		2.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	156	4.5	108	2.7	264	3.5	124	3.5	90	2.2	214	2.7
Vic	97	3.8	84	2.8	181	3.2	86	3.3	77	2.3	163	2.7
Qld	60	3.6	48	2.7	108	3.1	53	3.3	43	2.2	96	2.7
WA	32	3.7	26	2.7	58	3.1	28	3.1	23	2.4	51	2.7
SA	43	4.7	32	3.1	75	3.9	32	3.5	27	2.4	60	2.9
Tas	13	4.5	11	3.4	24	3.9	10	3.7	7	2.0	17	2.8
ACT	5	4.5	4	2.7	9	3.6	4	3.8	2	1.6	6	2.6
NT	2	2.7	1	0.6	2	1.8	1	2.0	1	1.2	2	1.6

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 129: Acute myeloid leukaemia (ICD 205.0)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	5	0.8	6	1.0	11	0.9	6	0.9	3	0.5	9	0.7
5-9	3	0.5	6	1.0	9	0.7	0	0.0	2	0.3	2	0.2
10-14	2	0.3	2	0.3	4	0.3	1	0.2	3	0.5	4	0.3
15-19	6	0.8	6	0.9	12	0.9	2	0.3	3	0.4	5	0.4
20-24	5	0.7	6	0.9	11	0.8	3	0.4	7	1.1	10	0.7
25-29	6	0.8	10	1.4	16	1.1	6	0.8	0	0.0	6	0.4
30-34	8	1.1	10	1.5	18	1.3	3	0.4	3	0.4	6	0.4
35-39	7	1.1	10	1.5	17	1.3	7	1.1	4	0.6	11	0.8
40-44	9	1.4	10	1.6	19	1.5	11	1.7	5	0.8	16	1.3
45-49	8	1.6	7	1.5	15	1.5	9	1.8	8	1.7	17	1.7
50-54	15	3.6	9	2.3	24	2.9	11	2.6	6	1.5	17	2.1
55-59	8	2.2	13	3.7	21	2.9	11	3.0	10	2.8	21	2.9
60-64	31	8.5	21	5.7	52	7.1	26	7.1	15	4.1	41	5.6
65-69	35	11.2	18	5.1	53	8.0	30	9.6	17	4.9	47	7.1
70-74	35	16.2	18	6.7	53	10.9	47	21.8	19	7.1	66	13.6
75-79	41	26.3	26	11.6	67	17.7	43	27.6	29	13.0	72	19.0
80-84	29	35.6	17	12.1	46	20.7	26	31.9	21	14.9	47	21.1
85 and over	12	28.5	18	16.7	30	20.0	9	21.4	17	15.8	26	17.4
Total	265		213		478		251		172		423	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.1		2.5		2.8		3.0		2.0		2.5	
Conf. interval	2.8 – 3.5		2.2 – 2.8		2.6 – 3.1		2.6 – 3.3		1.7 – 2.3		2.3 – 2.7	
AS Rate	2.5		1.9		2.2		2.4		1.4		1.8	
Conf. interval	2.2 – 2.9		1.6 – 2.2		2.0 – 2.4		2.1 – 2.7		1.2 – 1.6		1.6 – 2.0	
Lifetime risk	1 in 394		1 in 570		1 in 474							
PYLL							2,799		2,260		5,059	
Per cent of all cancers	0.8		0.8		0.8		1.5		1.3		1.4	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	95	2.8	70	1.8	165	2.2	82	2.3	65	1.6	146	1.9
Vic	58	2.3	59	2.0	118	2.1	55	2.1	54	1.7	109	1.9
Qld	31	2.0	30	1.8	61	1.8	55	3.3	54	2.8	109	3.0
WA	20	2.3	18	2.0	38	2.1	17	2.0	15	1.7	32	1.8
SA	33	3.6	23	2.2	56	2.8	22	2.4	19	1.7	41	2.1
Tas	10	3.7	8	2.6	18	3.1	6	2.2	5	1.4	11	1.7
ACT	3	2.9	2	1.3	5	2.1	4	3.7	2	1.3	6	2.4
NT	0	0.0	0	0.0	0	0.0	0	0.8	0	0.0	0	0.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 130: Chronic myeloid leukaemia (ICD 205.1)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	1	0.2	1	0.2	2	0.2	1	0.2	0	0.0	1	0.1
5-9	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	6	0.8	0	0.0	6	0.4	0	0.0	0	0.0	0	0.0
20-24	0	0.0	4	0.6	4	0.3	1	0.1	0	0.0	1	0.1
25-29	9	1.3	2	0.3	11	0.8	2	0.3	1	0.1	3	0.2
30-34	6	0.9	4	0.6	10	0.7	3	0.4	1	0.1	4	0.3
35-39	6	0.9	4	0.6	10	0.8	5	0.8	1	0.2	6	0.5
40-44	7	1.1	5	0.8	12	1.0	4	0.6	3	0.5	7	0.6
45-49	4	0.8	6	1.3	10	1.0	1	0.2	2	0.4	3	0.3
50-54	2	0.5	7	1.8	9	1.1	1	0.2	3	0.8	4	0.5
55-59	9	2.5	2	0.6	11	1.5	6	1.6	3	0.8	9	1.3
60-64	11	3.0	8	2.2	19	2.6	7	1.9	8	2.2	15	2.0
65-69	16	5.1	6	1.7	22	3.3	15	4.8	8	2.3	23	3.5
70-74	27	12.5	7	2.6	34	7.0	17	7.9	10	3.7	27	5.6
75-79	23	14.8	15	6.7	38	10.0	15	9.6	10	4.5	25	6.6
80-84	23	28.2	9	6.4	32	14.4	15	18.4	11	7.8	26	11.7
85 and over	3	7.1	13	12.1	16	10.7	6	14.3	21	19.5	27	18.0
Total	155		93		248		99		82		181	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	1.8		1.1		1.5		1.2		1.0		1.1	
Conf. interval	1.5 – 2.1		0.9 – 1.3		1.3 – 1.6		0.9 – 1.4		0.8 – 1.2		0.9 – 1.2	
AS Rate	1.4		0.7		1.1		0.9		0.6		0.7	
Conf. interval	1.2 – 1.6		0.6 – 0.9		0.9 – 1.2		0.7 – 1.1		0.4 – 0.7		0.6 – 0.8	
Lifetime risk	1 in 671		1 in 1,523		1 in 960							
PYLL							939		539		1,478	
Per cent of all cancers	0.5		0.3		0.4		0.6		0.6		0.6	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	53	1.5	33	0.8	86	1.1	35	1.0	22	0.5	57	0.7
Vic	36	1.4	23	0.7	59	1.0	26	1.0	19	0.5	44	0.7
Qld	25	1.5	16	0.9	41	1.1	26	1.5	19	0.8	44	1.2
WA	12	1.3	8	0.7	19	1.0	8	0.9	6	0.6	14	0.7
SA	10	1.2	9	0.9	19	1.1	9	0.9	9	0.7	17	0.8
Tas	2	0.8	3	0.8	5	0.8	3	1.0	2	0.4	4	0.7
ACT	2	1.6	2	1.3	4	1.4	1	1.1	1	1.0	2	1.0
NT	0	0.0	0	0.0	0	0.0	0	0.2	0	0.3	0	0.2

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 131: Monocytic leukaemia (ICD 206)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	4	0.6	3	0.5	7	0.6	0	0.0	1	0.2	1	0.1
5-9	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
10-14	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	0	0.0	3	0.5	3	0.2	0	0.0	1	0.2	1	0.1
45-49	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
50-54	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
55-59	1	0.3	0	0.0	1	0.1	1	0.3	0	0.0	1	0.1
60-64	0	0.0	0	0.0	0	0.0	2	0.5	0	0.0	2	0.3
65-69	2	0.6	1	0.3	3	0.5	0	0.0	1	0.3	1	0.2
70-74	3	1.4	1	0.4	4	0.8	4	1.8	0	0.0	4	0.8
75-79	2	1.3	1	0.4	3	0.8	2	1.3	1	0.4	3	0.8
80-84	1	1.2	1	0.7	2	0.9	1	1.2	0	0.0	1	0.4
85 and over	1	2.4	2	1.9	3	2.0	5	11.9	3	2.8	8	5.3
Total	17		13		30		15		7		22	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.2		0.2		0.2		0.2		0.1		0.1	
Conf. interval	0.1 - 0.3		0.1 - 0.2		0.1 - 0.2		0.1 - 0.3		0.0 - 0.1		0.1 - 0.2	
AS Rate	0.2		0.1		0.2		0.1		0.1		0.1	
Conf. interval	0.1 - 0.3		0.0 - 0.2		0.1 - 0.2		0.1 - 0.2		0.0 - 0.1		0.0 - 0.1	
Lifetime risk	1 in 5,767		1 in 11,289		1 in 7,815							
PYLL							45		108		153	
Per cent of all cancers	0.1		0.0		0.0		0.1		0.1		0.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	5	0.2	5	0.1	10	0.1	3	0.1	3	0.1	6	0.1
Vic	3	0.1	3	0.1	6	0.1	2	0.1	1	0.0	4	0.1
Qld	4	0.3	2	0.1	6	0.2	5	0.3	2	0.1	7	0.2
WA	2	0.3	1	0.1	3	0.2	1	0.1	1	0.1	2	0.1
SA	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1	2	0.1
Tas	0	0.1	0	0.0	0	0.1	1	0.3	0	0.0	1	0.1
ACT	0	0.2	0	0.0	0	0.1	0	0.0	0	0.0	0	0.0
NT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 132: Other and unspecified leukaemia (ICD 207–208)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	0	0.0	0	0.0	0	0.0	1	0.2	1	0.2	2	0.2
5–9	1	0.2	1	0.2	2	0.2	1	0.2	0	0.0	1	0.1
10–14	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0
15–19	1	0.1	0	0.0	1	0.1	1	0.1	0	0.0	1	0.1
20–24	0	0.0	0	0.0	0	0.0	3	0.4	0	0.0	3	0.2
25–29	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1
30–34	1	0.1	1	0.1	2	0.1	0	0.0	0	0.0	0	0.0
35–39	2	0.3	2	0.3	4	0.3	0	0.0	1	0.2	1	0.1
40–44	4	0.6	0	0.0	4	0.3	2	0.3	0	0.0	2	0.2
45–49	3	0.6	2	0.4	5	0.5	1	0.2	0	0.0	1	0.1
50–54	1	0.2	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
55–59	5	1.4	0	0.0	5	0.7	2	0.5	0	0.0	2	0.3
60–64	9	2.5	4	1.1	13	1.8	3	0.8	0	0.0	3	0.4
65–69	12	3.8	3	0.9	15	2.3	6	1.9	0	0.0	6	0.9
70–74	13	6.0	12	4.4	25	5.1	4	1.8	5	1.9	9	1.9
75–79	14	9.0	4	1.8	18	4.7	4	2.6	5	2.2	9	2.4
80–84	7	8.6	10	7.1	17	7.6	4	4.9	6	4.2	10	4.5
85 and over	7	16.6	8	7.4	15	10.0	6	14.2	5	4.6	11	7.3
Total	80		48		128		38		24		62	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	0.9		0.6		0.7		0.4		0.3		0.4	
Conf. interval	0.7 – 1.1		0.4 – 0.7		0.6 – 0.9		0.3 – 0.6		0.2 – 0.4		0.3 – 0.5	
AS Rate	0.7		0.3		0.5		0.4		0.1		0.3	
Conf. interval	0.6 – 0.9		0.2 – 0.4		0.4 – 0.6		0.3 – 0.5		0.1 – 0.2		0.2 – 0.3	
Lifetime risk	1 in 1,264		1 in 2,640		1 in 1,732							
PYLL							515		162		678	
Per cent of all cancers	0.2		0.2		0.2		0.2		0.2		0.2	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	23	0.6	17	0.3	39	0.5	13	0.4	11	0.2	23	0.3
Vic	22	0.8	14	0.4	36	0.6	10	0.4	7	0.2	17	0.3
Qld	12	0.7	15	0.7	27	0.7	13	0.8	9	0.4	22	0.5
WA	7	0.8	4	0.3	11	0.6	2	0.2	2	0.2	3	0.2
SA	10	1.0	7	0.6	18	0.8	3	0.3	3	0.3	6	0.3
Tas	2	0.7	1	0.5	3	0.6	2	0.6	0	0.1	2	0.3
ACT	0	0.2	0	0.1	0	0.2	0	0.2	0	0.0	0	0.1
NT	0	0.6	0	0.5	1	0.5	0	0.8	0	0.6	1	0.7

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 133: All leukaemias (ICD 204–208)

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0–4	56	8.7	38	6.2	94	7.5	14	2.2	5	0.8	19	1.5
5–9	34	5.3	21	3.4	55	4.4	12	1.9	4	0.7	16	1.3
10–14	25	4.0	19	3.2	44	3.6	4	0.6	7	1.2	11	0.9
15–19	27	3.8	18	2.6	45	3.2	10	1.4	11	1.6	21	1.5
20–24	14	2.0	15	2.2	29	2.1	12	1.7	6	0.9	18	1.3
25–29	12	1.7	17	2.4	29	2.0	7	1.0	11	1.6	18	1.3
30–34	15	2.1	16	2.3	31	2.2	18	2.5	7	1.0	25	1.8
35–39	29	4.4	19	2.9	48	3.7	15	2.3	12	1.8	27	2.1
40–44	27	4.2	13	2.1	40	3.1	22	3.4	14	2.2	36	2.8
45–49	32	6.3	18	3.8	50	5.1	17	3.4	12	2.5	29	2.9
50–54	39	9.3	25	6.2	64	7.8	22	5.2	16	4.0	38	4.6
55–59	59	16.1	33	9.3	92	12.7	39	10.6	18	5.0	57	7.9
60–64	95	25.9	54	14.6	149	20.3	51	13.9	28	7.6	79	10.7
65–69	121	38.4	70	19.9	191	28.7	71	22.5	41	11.7	112	16.8
70–74	126	58.2	78	28.9	204	41.9	89	41.1	61	22.6	150	30.8
75–79	132	84.6	74	33.0	206	54.2	83	53.2	66	29.5	149	39.2
80–84	61	74.7	68	48.2	129	57.9	61	74.7	58	41.1	119	53.4
85 and over	45	106.8	64	59.4	109	72.7	53	125.8	72	66.8	125	83.4
Total	949		660		1,609		600		449		1,049	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	11.1		7.7		9.4		7.0		5.2		6.1	
Conf. interval	10.4 – 11.8		7.1 – 8.3		9.0 – 9.9		6.5 – 7.6		4.8 – 5.7		5.8 – 6.5	
AS Rate	9.8		6.0		7.7		5.8		3.4		4.5	
Conf. interval	9.1 – 10.4		5.5 – 6.5		7.3 – 8.1		5.3 – 6.3		3.1 – 3.8		4.2 – 4.8	
Lifetime risk	1 in 106		1 in 182		1 in 135							
PYLL							7,745		5,202		12,947	
Per cent of all cancers	2.9		2.4		2.7		3.5		3.4		3.5	

Average annual numbers and rates by State and Territory 1986–1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	326	9.9	230	6.1	556	7.8	212	6.2	158	3.6	370	4.7
Vic	223	9.2	170	5.9	393	7.4	154	6.0	120	3.6	275	4.6
Qld	144	9.4	106	6.3	250	7.7	101	6.3	76	4.0	177	5.0
WA	73	8.9	47	5.3	119	6.9	46	5.4	32	3.3	79	4.2
SA	111	12.6	85	8.1	195	10.1	57	6.2	45	4.0	102	5.0
Tas	31	11.8	22	6.9	53	9.3	18	6.5	12	3.2	29	4.7
ACT	12	11.3	6	4.8	18	7.7	6	6.1	4	3.0	11	4.4
NT	4	6.2	1	1.7	5	4.2	2	3.0	1	2.4	3	2.8

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

Source: *Cancer in Australia 1989–1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 134: Alcohol-related cancers

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.1	1	0.1	1	0.1	0	0.1	0	0.0	1	0.0
25-29	1	0.1	2	0.3	3	0.2	0	0.0	0	0.1	1	0.1
30-34	3	0.4	4	0.6	7	0.5	1	0.2	1	0.1	2	0.1
35-39	5	0.7	8	1.2	12	1.0	2	0.3	1	0.2	4	0.3
40-44	11	1.8	21	3.4	32	2.6	4	0.6	5	0.8	9	0.7
45-49	24	4.8	27	5.7	51	5.2	10	2.0	6	1.3	16	1.7
50-54	40	9.5	27	6.6	66	8.1	20	4.9	9	2.3	29	3.6
55-59	51	13.9	25	7.1	76	10.5	31	8.4	9	2.6	40	5.5
60-64	79	21.8	33	9.0	113	15.4	43	11.7	13	3.6	56	7.6
65-69	59	18.9	34	9.6	93	14.0	42	13.4	16	4.7	59	8.8
70-74	29	13.4	32	11.9	61	12.5	25	11.6	14	5.3	39	8.1
75-79	11	7.3	9	4.0	20	5.4	9	5.9	5	2.2	14	3.7
80-84	3	3.9	6	4.0	9	4.0	3	4.1	4	2.7	7	3.2
85 and over	1	2.9	4	3.8	5	3.6	2	4.0	4	3.4	5	3.5
Total	318		232		550		193		88		281	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	3.8		2.7		3.3		2.3		1.0		1.7	
Conf. interval	3.4 – 4.2		2.4 – 3.1		3.0 – 3.5		2.0 – 2.6		0.8 – 1.3		1.5 – 1.9	
AS Rate	3.3		2.3		2.8		2.0		0.8		1.4	
Conf. interval	3.0 – 3.7		2.0 – 2.6		2.5 – 3.0		1.7 – 2.3		0.6 – 1.0		1.2 – 1.5	
Lifetime risk	1 in 235		1 in 360		1 in 286							
PYLL							2,123		1,030		3,153	
Per cent of all cancers	1.0		0.8		0.9		1.1		0.7		0.9	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	113	3.4	76	2.2	189	2.8	65	1.9	32	0.8	97	1.4
Vic	78	3.2	56	2.1	134	2.7	51	2.1	24	0.9	76	1.5
Qld	58	3.8	34	2.2	92	3.0	28	1.8	12	0.7	40	1.3
WA	23	2.9	18	2.1	41	2.5	15	1.9	7	0.8	22	1.3
SA	23	2.8	18	2.0	42	2.4	12	1.4	7	0.8	19	1.1
Tas	8	3.3	5	1.9	14	2.6	5	1.9	3	0.9	7	1.4
ACT	3	2.3	3	2.0	5	2.2	1	1.4	1	0.7	2	1.0
NT	3	5.1	1	1.9	4	3.7	2	3.3	0	1.3	2	2.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate). See page 185 for ICD codes.

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 135: Smoking-related cancers

Australia 1990												
Age group	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	9	1.2	2	0.3	11	0.8	0	0.0	1	0.1	1	0.1
20-24	25	3.7	11	1.6	36	2.7	3	0.4	1	0.1	3	0.2
25-29	48	6.7	24	3.4	71	5.1	4	0.6	4	0.6	9	0.6
30-34	64	9.2	40	5.8	104	7.5	7	1.0	8	1.1	15	1.1
35-39	81	12.4	59	9.1	140	10.8	20	3.2	21	3.3	42	3.2
40-44	145	22.7	87	14.0	232	18.4	52	8.2	36	5.8	88	7.0
45-49	270	53.9	106	22.3	376	38.5	136	27.1	52	11.0	188	19.3
50-54	405	96.9	133	33.4	538	65.9	242	57.8	73	18.2	314	38.5
55-59	702	192.4	195	54.8	896	124.5	471	129.1	127	35.7	597	83.0
60-64	1,122	307.6	310	84.3	1,432	195.5	770	211.2	212	57.7	983	134.2
65-69	1,365	435.0	345	98.7	1,711	257.7	985	313.8	268	76.6	1,253	188.7
70-74	1,020	473.1	342	127.0	1,363	280.9	824	382.3	248	92.2	1,073	221.2
75-79	857	550.5	262	117.0	1,119	294.9	730	468.9	217	97.1	948	249.7
80-84	466	571.6	103	73.2	569	255.8	440	539.8	95	67.6	535	240.6
85 and over	194	460.6	62	57.8	256	170.9	220	524.2	68	63.0	288	192.5
Total	6,773		2,081		8,854		4,906		1,431		6,337	
Rates per 100,000 with 95 per cent confidence intervals												
Crude rate	80.2		24.5		52.3		58.1		16.9		37.4	
Conf. interval	78.2 – 82.1		23.5 – 25.6		51.2 – 53.4		56.4 – 59.7		16.0 – 17.8		36.5 – 38.4	
AS Rate	64.9		18.1		39.7		46.0		11.8		27.3	
Conf. interval	63.3 – 66.4		17.3 – 18.9		38.9 – 40.6		44.7 – 47.3		11.1 – 12.4		26.6 – 28.0	
Lifetime risk	1 in 13		1 in 44		1 in 20							
PYLL							34,623		12,107		46,730	
Per cent of all cancers	20.9		7.6		14.8		28.8		11.0		21.1	

Average annual numbers and rates by State and Territory 1986-1990

	Incidence						Mortality					
	Males		Females		Persons		Males		Females		Persons	
	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate	Number	AS Rate
NSW	2,357	66.5	702	17.6	3,059	40.0	1,765	48.8	503	12.0	2,268	28.5
Vic	1,750	67.6	512	17.6	2,262	40.4	1,299	49.3	363	11.8	1,662	28.6
Qld	1,189	73.3	302	17.6	1,492	44.0	824	49.5	183	10.1	1,007	28.3
WA	562	66.5	168	18.0	730	40.7	411	48.0	119	12.4	530	28.7
SA	611	65.9	165	16.3	776	39.1	412	43.1	107	9.9	519	24.9
Tas	200	72.6	60	20.2	261	44.5	145	51.5	43	13.7	188	30.9
ACT	61	59.0	19	15.8	80	35.0	41	42.4	15	12.3	56	25.2
NT	28	57.7	7	15.3	35	38.3	26	58.3	8	21.1	34	41.4

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate). See page 185 for ICD codes.

Source: *Cancer in Australia 1989-1990 (with projections to 1995)*, Australian Institute of Health and Welfare

Table 136: Incidence summary table

Australia 1990		Males					Females			
ICD-9	Cancer description	Number	Crude rate	AS Rate	Cum. rate per cent	Sex ratio M:F	Number	Crude rate	AS rate	Cum. rate per cent
140-208	All cancers (excluding ICD 173)	32,541	381.4	308.4	35.5	1.3	27,568	322.3	237.4	26.6
140	Lip	635	7.4	6.2	0.7	3.5	237	2.8	1.8	0.2
141	Tongue	218	2.6	2.2	0.3	2.2	116	1.4	1.0	0.1
142	Salivary gland	115	1.3	1.1	0.1	2.4	55	0.6	0.5	0.1
143	Gum	21	0.2	0.2	0.0	1.5	24	0.3	0.1	0.0
144	Floor of mouth	113	1.3	1.2	0.1	2.8	46	0.5	0.4	0.1
145	Other mouth	116	1.4	1.1	0.1	1.5	91	1.1	0.8	0.1
146	Oropharynx	160	1.9	1.7	0.2	3.5	54	0.6	0.5	0.1
147	Nasopharynx	80	0.9	0.8	0.1	3.1	28	0.3	0.3	0.0
148	Hypopharynx	154	1.8	1.6	0.2	11.7	15	0.2	0.1	0.0
149	Other lip, oral cavity and pharynx	29	0.3	0.3	0.0	3.6	10	0.1	0.1	0.0
141-149	Head and neck	1,006	11.8	10.2	1.2	2.7	439	5.1	3.8	0.4
150	Oesophagus	493	5.8	4.7	0.6	2.3	291	3.4	2.0	0.3
151	Stomach	1,168	13.7	10.8	1.3	2.6	593	6.9	4.2	0.5
152	Small intestine	72	0.8	0.7	0.1	1.3	62	0.7	0.6	0.1
153	Colon	2,874	33.7	27.1	3.2	1.3	2,741	32.0	21.4	2.6
154	Rectum	1,845	21.6	17.6	2.1	1.8	1,266	14.8	10.0	1.2
153-154	Colo-rectal	4,719	55.3	44.8	5.3	1.4	4,007	46.8	31.4	3.7
155	Liver	248	2.9	2.4	0.3	3.3	83	1.0	0.7	0.1
156	Gallbladder	245	2.9	2.3	0.3	1.2	281	3.3	2.0	0.2
157	Pancreas	671	7.9	6.3	0.7	1.5	598	7.0	4.2	0.5
158	Peritoneum	41	0.5	0.4	0.0	1.5	33	0.4	0.3	0.0
159	Other digestive organs	46	0.5	0.4	0.0	1.3	48	0.6	0.3	0.0
160	Nasal cavity	69	0.8	0.6	0.1	2.5	35	0.4	0.3	0.0
161	Larynx	518	6.1	5.1	0.7	10.5	57	0.7	0.5	0.1
162	Lung	4,896	57.4	45.8	5.8	3.0	1,826	21.3	15.2	2.0
163	Pleura	225	2.6	2.2	0.3	6.8	37	0.4	0.3	0.0
164	Other respiratory organs	27	0.3	0.3	0.0	1.4	22	0.3	0.2	0.0
170	Bone	86	1.0	0.9	0.1	1.5	63	0.7	0.6	0.0
171	Connective tissue	311	3.6	3.1	0.3	1.8	188	2.2	1.7	0.2
172	Skin - melanoma	3,127	36.7	30.9	3.3	1.2	2,654	31.0	24.9	2.6
173	Skin - non-melanocytic*									
174-175	Breast	75	0.9	0.7	0.1	<0.01	7,121	83.2	65.5	7.3
180	Cervix						1,067	12.5	10.2	1.0
181	Placenta						6	0.1	0.1	0.0
179+182	Uterus						1,075	12.6	9.5	1.2
183	Ovary						968	11.3	8.7	1.0
184	Other female genital organs						194	2.3	1.5	0.2
#	Gynaecological						3,304	38.6	29.9	3.4
185	Prostate	5,753	67.4	50.4	5.7					
186	Testis	399	4.7	4.2	0.3					
187	Penis & other male genital organs	60	0.7	0.6	0.1					
188	Bladder	1,532	18.0	14.1	1.6	3.5	547	6.4	4.1	0.5
189	Kidney	890	10.4	8.6	1.0	1.7	592	6.9	5.1	0.6
190	Eye	85	1.0	0.9	0.1	1.2	74	0.9	0.7	0.1
191	Brain	617	7.2	6.4	0.6	1.4	470	5.5	4.6	0.5
192	Other nervous system	24	0.3	0.3	0.0	1.0	23	0.3	0.3	0.0
193	Thyroid	146	1.7	1.5	0.2	0.4	360	4.2	3.6	0.3
194	Other endocrine	42	0.5	0.5	0.0	1.3	29	0.3	0.4	0.0
195-199	Unknown primary site	1,511	17.7	14.2	1.7	1.4	1,357	15.9	9.9	1.1
200+202	Non-Hodgkin's lymphoma	1,285	15.1	12.6	1.4	1.6	979	11.4	8.1	0.9
201	Hodgkin's disease	207	2.4	2.2	0.2	1.5	148	1.7	1.5	0.1
200-202	Lymphoma	1,492	17.5	14.9	1.6	1.5	1,127	13.2	9.7	1.1
203	Multiple myeloma	363	4.3	3.4	0.4	1.2	343	4.0	2.7	0.3
204	Lymphatic leukaemia	442	5.2	4.9	0.5	1.8	285	3.3	2.8	0.3
205	Myeloid leukaemia	410	4.8	3.9	0.4	1.5	314	3.7	2.7	0.3
206	Monocytic leukaemia	17	0.2	0.2	0.0	1.6	13	0.2	0.1	0.0
207-208	Other and unspecified leukaemia	80	0.9	0.7	0.1	2.2	48	0.6	0.3	0.0
204-208	Leukaemia	949	11.1	9.8	1.0	1.6	660	7.7	6.0	0.6
#	Alcohol-related	318	3.8	3.3	0.4	1.5	232	2.7	2.3	0.3
#	Smoking-related	6,773	80.2	64.9	8.1	3.6	2,081	24.5	18.1	2.3

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

* Non-melanocytic skin cancer incidence data is not collected by State and Territory cancer registries

See Appendix A for ICD-9 codes

Source: Cancer in Australia 1989-1990 (with projections to 1995), Australian Institute of Health and Welfare

Table 137: Mortality summary table

Australia 1990		Males					Females			
ICD-9	Cancer description	Number	Crude rate	AS Rate	PYLL (<75 yrs)	Sex ratio M:F	Number	Crude rate	AS rate	PYLL (<75 yrs)
140–208	All cancers (excluding ICD 173)	17,010	199.4	157.7	125,785	1.6	13,033	152.4	100.0	108,703
140	Lip	8	0.1	0.1	32	3.0	4	0.0	0.0	16
141	Tongue	128	1.5	1.3	1,178	3.2	49	0.6	0.4	385
142	Salivary gland	35	0.4	0.3	217	2.8	15	0.2	0.1	129
143	Gum	8	0.1	0.1	74	1.9	4	0.0	0.0	43
144	Floor of mouth	39	0.5	0.4	390	2.6	19	0.2	0.1	151
145	Other mouth	35	0.4	0.3	284	1.8	27	0.3	0.2	128
146	Oropharynx	83	1.0	0.9	945	3.9	28	0.3	0.2	190
147	Nasopharynx	52	0.6	0.5	759	4.9	13	0.2	0.1	177
148	Hypopharynx	62	0.7	0.6	570	8.7	10	0.1	0.1	64
149	Other lip, oral cavity and pharynx	14	0.2	0.1	144	3.3	6	0.1	0.0	21
141–149	Head and neck	456	5.3	4.5	4,560	3.4	171	2.0	1.3	1,287
150	Oesophagus	501	5.9	4.7	3,670	3.1	224	2.6	1.5	1,004
151	Stomach	781	9.2	7.1	4,782	2.2	485	5.7	3.3	2,700
152	Small intestine	40	0.5	0.4	433	2.0	25	0.3	0.2	225
153	Colon	1,537	18.0	14.1	9,912	1.3	1,530	17.9	11.2	9,811
154	Rectum	652	7.6	6.1	4,712	2.1	413	4.8	2.9	2,343
153–154	Colo-rectal	2,189	25.7	20.2	14,624	1.4	1,943	22.7	14.1	12,154
155	Liver	278	3.3	2.6	2,365	3.0	111	1.3	0.9	970
156	Gallbladder	111	1.3	1.0	554	0.8	179	2.1	1.3	1,007
157	Pancreas	709	8.3	6.6	4,957	1.4	657	7.7	4.7	3,547
158	Peritoneum	23	0.3	0.2	298	1.3	25	0.3	0.2	186
159	Other digestive organs	132	1.5	1.2	822	1.5	130	1.5	0.8	621
160	Nasal cavity	24	0.3	0.2	291	2.7	13	0.2	0.1	66
161	Larynx	229	2.7	2.2	1,874	13.5	22	0.3	0.2	110
162	Lung	4,447	52.1	41.1	29,228	3.3	1,593	18.6	12.6	11,847
163	Pleura	163	1.9	1.6	1,275	6.6	29	0.3	0.2	308
164	Other respiratory organs	20	0.2	0.2	296	1.8	16	0.2	0.1	196
170	Bone	72	0.8	0.7	1,401	2.4	36	0.4	0.3	778
171	Connective tissue	94	1.1	0.9	1,434	1.3	85	1.0	0.7	1,450
172	Skin – melanoma	512	6.0	5.0	6,525	1.9	317	3.7	2.6	4,167
173	Skin – non-melanocytic*	208	2.4	1.9	1,907	6.3	56	0.7	0.3	112
174–175	Breast	16	0.2	0.2	84	<0.01	2,421	28.3	20.4	26,574
180	Cervix						339	4.0	3.0	5,614
181	Placenta						0	0.0	0.0	0
179+182	Uterus						217	2.5	1.5	1,199
183	Ovary						732	8.6	6.0	6,735
184	Other female genital organs						68	0.8	0.4	267
#	Gynaecological						1,356	15.9	11.0	13,816
185	Prostate	2,078	24.4	17.8	4,729					
186	Testis	30	0.4	0.3	842					
187	Penis & other male genital organs	13	0.2	0.1	147					
188	Bladder	479	5.6	4.3	1,967	3.0	233	2.7	1.4	890
189	Kidney	427	5.0	4.0	3,635	2.0	277	3.2	2.0	1,725
190	Eye	12	0.1	0.1	72	2.3	6	0.1	0.0	70
191	Brain	517	6.1	5.2	8,468	1.4	416	4.9	3.9	6,506
192	Other nervous system	12	0.1	0.1	80	1.8	6	0.1	0.1	59
193	Thyroid	46	0.5	0.5	471	1.9	38	0.4	0.2	169
194	Other endocrine	29	0.3	0.4	1,144	1.6	18	0.2	0.2	716
195–199	Unknown primary site	1,000	11.7	9.2	6,465	1.4	937	11.0	6.5	5,250
200+202	Non-Hodgkin's lymphoma	633	7.4	5.9	6,191	1.5	538	6.3	3.9	3,522
201	Hodgkin's disease	40	0.5	0.4	727	1.6	32	0.4	0.2	349
200–202	Lymphoma	673	7.9	6.3	6,918	1.5	570	6.7	4.1	3,872
203	Multiple myeloma	289	3.4	2.7	1,693	1.6	241	2.8	1.7	1,103
204	Lymphatic leukaemia	196	2.3	2.0	3,237	2.1	127	1.5	1.0	1,731
205	Myeloid leukaemia	351	4.1	3.3	3,947	1.5	291	3.4	2.3	3,201
206	Monocytic leukaemia	15	0.2	0.1	45	2.6	7	0.1	0.1	108
207–208	Other and unspecified leukaemia	38	0.4	0.4	515	2.7	24	0.3	0.1	162
204–208	Leukaemia	600	7.0	5.8	7,745	1.7	449	5.2	3.4	5,202
#	Alcohol-related	193	2.3	2.0	2,123	2.4	88	1.0	0.8	1,030
#	Smoking-related	4,906	58.1	46.0	34,623	3.9	1,431	16.9	11.8	12,107

Note: Rates are expressed per 100,000 population and age-standardised to the World Standard Population (AS Rate)

See Appendix A for ICD-9 codes

Source: Cancer in Australia 1989–1990 (with projections to 1995), Australian Institute of Health and Welfare

Appendixes

Appendix A: International Classification of Diseases - Ninth Revision—cancer topography—codes and combinations

Buccal cavity		Other and unspecified female genital organs	184
Lip	140	Prostate	185
Tongue	141	Testis	186
Salivary glands	142	Penis and other male genital organs	187
Gum	143	Bladder	188
Floor of mouth	144	Kidney, ureter and urethra	189
Other and unspecified parts of mouth	145	Gynaecological cancers	179–180, 182–184
Pharynx		Other and unspecified organs	
Oropharynx	146	Eye	190
Nasopharynx	147	Brain	191
Hypopharynx	148	Other and unspecified parts of the nervous system (NS)	192
Other sites within the lip, oral cavity and pharynx	149	Thyroid gland	193
Head and neck	141–149	Other endocrine glands	194
Digestive organs and peritoneum		Unknown primary site	195–199
Oesophagus	150	Lymphatic and haematopoietic tissue	
Stomach	151	Non-Hodgkin's lymphomas (NHL)	200+202
Small intestine	152	Lymphosarcoma and reticulosarcoma	200
Colon	153	Hodgkin's disease	201
Rectum	154	Other neoplasms of lymphoid and histiocytic tissue	202
Colo-rectal	153–154	Lymphomas	200–202
Liver and intrahepatic bile ducts	155	Multiple myeloma and immunoproliferative neoplasms	203
Gallbladder and extrahepatic bile ducts	156	Lymphatic leukaemia	204
Pancreas	157	Acute lymphatic leukaemia	204.0
Retroperitoneum and peritoneum	158	Chronic lymphatic leukaemia	204.1
Unspecified digestive organs	159	Myeloid leukaemia	205
Respiratory system		Acute myeloid leukaemia	205.0
Nasal cavities, middle ear and accessory sinuses	160	Chronic myeloid leukaemia	205.1
Larynx	161	Monocytic leukaemia	206
Trachea, bronchus and lung	162	Other and unspecified leukaemias	207–208
Pleura	163	Leukaemias	204–208
Respiratory systems, ill-defined and other intrathoracic organs	164–165	Smoking-related cancers	140, 141, 143–151, 154.3–154.4, 157, 161, 162, 180, 179+182, 184.4, 186, 188, 189.0, 189.1
Bone, connective tissue, skin and breast		Alcohol-related cancers	141, 143–146, 148–149, 150, 155, 161, 174
Bone and articular cartilage	170		
Connective and other soft tissue	171		
Melanoma of the skin	172		
Non-melanocytic skin cancer (NMSC)	173		
Breast	174–175		
Genitourinary organs			
Cervix	180		
Placenta	181		
Corpus uteri	179+182		
Ovary and other uterine adnexae	183		

Note: The abbreviated versions of these names may be used in this report.

Source: World Health Organization

Appendix B: Methods

This section describes the methods employed to calculate the estimates presented in the tables in the body of this publication. The rates calculated in the example below are applicable to both incidence and mortality.

Example table

Trachea, bronchus and lung cancer incidence (ICD 162)—males

Age group	No. of cases	1990 Aust. population*	Age-specific rate per 100,000	World standard population**	Expected number of cases
	column 1	column 2	column 3	column 4	column 5
0–4	1	641,976	0.2	12,000	0.0
5–9	0	644,995	0.0	10,000	0.0
10–14	0	630,760	0.0	9,000	0.0
15–19	3	719,436	0.4	9,000	0.0
20–24	2	694,369	0.3	8,000	0.0
25–29	3	717,281	0.4	8,000	0.0
30–34	5	706,523	0.7	6,000	0.0
35–39	11	656,189	1.7	6,000	0.1
40–44	52	648,045	8.1	6,000	0.5
45–49	145	505,987	28.7	6,000	1.7
50–54	250	421,535	59.3	5,000	2.9
55–59	471	366,822	128.4	4,000	5.1
60–64	801	366,498	218.6	4,000	8.7
65–69	1,064	314,930	337.9	3,000	10.1
70–74	815	216,357	376.7	2,000	7.6
75–79	722	156,065	462.6	1,000	4.6
80–84	404	81,707	494.4	500	2.5
85+	147	42,124	349.0	500	1.7
Total	4,896	8,531,599	57.4	100,000	45.8

* Australian Bureau of Statistics (1993)

** Doll & Smith (1982)

Crude rates—all age groups

A cancer incidence rate is defined as the number of new cases of cancer divided by the population at risk in a specified time period. A cancer mortality rate substitutes deaths for new cases in this calculation. Both are conventionally expressed as annual rates per 100,000 population and may be calculated for males, females or persons, or for subsets of the population (e.g. see age-specific rates). The total rate calculated in this way without adjustment for age or other factors is known as the 'crude rate'.

The crude rate is calculated by dividing the total number of cases across all age groups by the total population e.g.

$$\begin{aligned}
 \text{Crude incidence rate for lung cancer} &= \frac{\text{column 1 total}}{\text{column 2 total}} \times 100,000 \\
 &= \frac{4,896}{8,531,599} \times 100,000 \\
 &= 57.4 \text{ per } 100,000
 \end{aligned}$$

Age-specific rates

Age-specific rates are calculated by dividing the number of cases occurring in each specified age group by the corresponding population in the same age group expressed as a rate per 100,000 population. This rate may be calculated for particular age and sex groupings, e.g.

$$\begin{aligned}
 \text{Age-specific lung cancer incidence rates in males aged 75–79} &= \frac{\text{column 1 for this age}}{\text{column 2 for this age}} \times 100,000 \\
 &= \frac{722}{156,065} \times 100,000 \\
 &= 462.6 \text{ per } 100,000
 \end{aligned}$$

Age-standardised rates (AS Rate)

Rates are adjusted for age to facilitate comparisons between populations which have different age structures, e.g. between youthful and ageing communities. There are two different methods commonly used to adjust for age. In this publication we use direct standardisation in which age-specific rates are multiplied against a constant set of rates (the World Standard Population). This effectively removes the influence of age structure on the summary rate which is described as the age-standardised rate. The method may be used for both incidence and mortality calculations. The method used for this calculation comprises three steps which can be followed by reference to the example table on the previous page.

- Step 1* Calculate the age-specific rate (as shown above) for each age group (column 3).
- Step 2* Calculate the expected number of cases in each five-year age group by multiplying the age-specific rates (column 3) by the corresponding standard population (column 4) and dividing by 100,000.
- Step 3* Sum the expected number of cases in each age group to give the age-standardised rate (total column 5).

Confidence intervals (CI)

The age-standardised and crude incidence and mortality rates presented in the body of this report also show 95% confidence intervals. These confidence intervals indicate the variation that might be expected in such estimates purely by chance. The confidence intervals are calculated using the methods presented in Holman et al. (1987).

A relatively simple approximation of the confidence limits that readers might use when examining State and Territory age-standardised rates is as set out below.

$$\text{CI approximation} = \text{AS Rate} \pm 1.96 \times \frac{\text{AS Rate}}{\sqrt{\text{Number of cases}}}$$

Lifetime risk and cumulative rate

Lifetime risk is a measure which approximates the risk of contracting a particular cancer in a lifetime if the risks at the time of estimation remained throughout life. It is based on a mathematical relationship with the cumulative rate and is calculated in this publication for ages 0–74. Cumulative rate is a directly standardised rate calculated by summing age-specific rates from equal age groups, e.g. 5–9, 10–14 years. An example is provided below.

$$\begin{aligned} \text{Cumulative rate} &= \frac{5 \times (\text{Sum of the age-specific rates}) \times 100}{100,000} \\ &= \frac{5 \times 1,160.2 \times 100}{100,000} \\ &= 5.80\% \end{aligned}$$

The factor of 5 is used to indicate the 5 years of life in each age group and the factor of 100 is used to present the result as a percentage. As age-specific rates are presented per 100,000 population (column 3), the result is divided by 100,000 to return the age-specific rates to a division of cases by population. Cumulative risk is related to cumulative rate by the expression:

$$\text{Cumulative risk} = \left(1 - e^{-\text{rate}/100}\right)$$

where rate is expressed as a percentage.

Lifetime risk is expressed as a '1 in n' proportion by taking the inverse of the above formula:

$$n = \frac{1}{\left(1 - e^{-\text{rate}/100}\right)}$$

For lung cancer in men, the cumulative rate was 5.80% (see above), therefore:

$$n = \frac{1}{(1 - e^{-5.80/100})}$$
$$= 17.74$$

That is, for men, the lifetime risk (0–74 years) of developing lung cancer is 1 in 18, providing they remain at risk for the whole period and the 1990 age-specific rates apply throughout their lives. Note that no account has been taken of specific cancer risk factors, e.g. the risk for men who smoke would be higher than that for those who have never smoked.

Per cent of all cancers

The ‘per cent of all cancers’ measure is the proportion that an individual cancer type accounts for among all cancers. The measure may be computed for cancer incidence or mortality. Using an incidence example, the measure is calculated by taking the number of new cases of a particular cancer, e.g. lung cancer, and dividing that by the total number of all new cancer cases and multiplying by 100 to express it as a percentage. This is undertaken for each sex and for total persons. Note that for this publication non-melanocytic skin cancer incidence is not included in total new cancer cases, although it is included in the parallel deaths calculations.

Sex ratio

This measure indicates the relative incidence or mortality between the sexes. It can be calculated on the basis of observed numbers, crude rates, age-standardised rates or cumulative rates per cent. It is calculated by dividing the male number or rate by the female number or rate as appropriate. In this publication it is calculated using the age-standardised rates. Ratios greater than unity indicate an excess in males while ratios less than unity indicate an excess in females.

It is preferable to use either the age-standardised rates or the cumulative rate per cent as these both adjust for age variations between male and female populations. In addition, the use of cumulative rate per cent discounts the occurrence of cancer in people aged over 75. This gives more emphasis, therefore, to early cancer diagnosis or death, and diminishes the impact of variable diagnostic investigation of the elderly.

Person-years of life lost (PYLL)

Person-years of life lost is a concept which attempts to measure the number of years of life lost per annum due to death as a result of a specific cause, e.g. lung cancer, given life expectancies at specific ages. Age groups 0–4 up to 70–74 were used for the calculations, as deaths before age 75 are regarded as premature for both men and women. The methods presented in Holman et al. (1987) are used in this publication for the calculation of person-years of life lost due to selected cancers.

Projections of incidence and mortality

The most up-to-date cancer incidence and mortality estimates are often required for policy debate, research, service planning and provision. The most recent national cancer incidence data are for 1990 while for mortality, the most recent data are for 1992. To meet the need for more recent data, projections of incidence (1991–1995) and mortality (1993–1995) have been made for selected cancer types (Tables 2 and 3).

For selected cancer types, estimates of numbers of new cases, deaths and age-standardised rates were derived using a series of linear models. Trend lines were fitted through each of the age- and sex-specific incidence (1986–1990) and mortality rates (1987–1992) and extrapolated to 1995. In order to derive the number of cases and deaths, each of the extrapolated rates were multiplied by age- and sex-specific Australian population estimates (1991–1995, Series C) (ABS 1994). These cases were totalled to form the final estimates. The age- and sex-specific rates were used to derive age-standardised rates, using the methods described in this Appendix.

Recent incidence data from some States and Territories (1991–1994), show that current trends in prostate cancer and melanoma are substantially different from the trends observed during the 1980s. For prostate cancer, these changes are due to the rapid increase in detection through an increased use of prostate specific antigen assays. The plateauing of incidence rates in melanoma is probably the result of two factors: the increased early detection and removal of premalignant lesions; and a decline in the rate of increase in incidence in some age cohorts, most likely due to reduced sun exposure. In order to produce robust national incidence estimates for these two cancers (1991–1995) it was necessary to examine the latest State and Territory data and take account of these changing trends in the projection methodology

The projection model applied to the majority of cancers in this report uses the last five years of known data as a base (1986–1990 incidence, 1987–1992 mortality). However, the projections of melanoma and all cancers use the last two years of known data as a base (1989–1990 incidence, 1991–1992 mortality). The estimates obtained compare favourably with the available State and Territory data for the period. For prostate cancer, the projected rates were based on 1992–1993 incidence data from New South Wales. These rates were projected forward using the linear models described previously, and applied to the national population estimates to obtain national data. The resulting projected rates for 1994 were slightly below those already available from South Australia and Tasmania, and may be conservative given preliminary reports on 1995 data.

Appendix C: Australian population data

Australian estimated resident populations 1989* and 1990*

Age	1989			1990		
	Males	Females	Total	Males	Females	Total
0–4	634,547	604,921	1,239,468	641,976	610,898	1,252,874
5–9	635,942	604,082	1,240,024	644,995	614,366	1,259,361
10–14	633,390	601,726	1,235,116	630,760	598,591	1,229,351
15–19	724,741	691,952	1,416,693	719,436	685,822	1,405,258
20–24	682,201	657,231	1,339,432	694,369	667,838	1,362,207
25–29	717,358	702,376	1,419,734	717,281	701,188	1,418,469
30–34	687,154	678,090	1,365,244	706,523	695,078	1,401,601
35–39	651,140	647,999	1,299,139	656,189	656,353	1,312,542
40–44	622,865	595,306	1,218,171	648,045	622,926	1,270,971
45–49	486,115	459,329	945,444	505,987	479,183	985,170
50–54	405,586	387,825	793,411	421,535	401,773	823,308
55–59	372,202	360,893	733,095	366,822	356,662	723,484
60–64	362,850	368,365	731,215	366,498	369,019	735,517
65–69	307,901	345,478	653,379	314,930	351,059	665,989
70–74	211,366	264,926	476,292	216,357	270,014	486,371
75–79	151,622	218,587	370,209	156,065	224,042	380,107
80–84	77,191	133,987	211,178	81,707	141,186	222,893
85+	40,630	105,211	145,841	42,124	107,786	149,910
Total	8,404,801	8,428,284	16,833,085	8,531,599	8,553,784	17,085,383

Australian estimated resident population 1991* and 1992*

Age	1991			1992		
	Males	Females	Total	Males	Females	Total
0–4	652,302	619,401	1,271,703	656,935	624,086	1,281,021
5–9	652,418	619,790	1,272,208	655,720	622,730	1,278,450
10–14	638,311	603,308	1,241,619	642,650	608,137	1,250,787
15–19	698,773	665,301	1,364,074	679,645	645,481	1,325,126
20–24	707,124	689,640	1,396,764	726,476	706,416	1,432,892
25–29	702,728	696,935	1,399,663	692,546	688,676	1,381,222
30–34	713,784	711,951	1,425,735	725,568	724,750	1,450,318
35–39	664,228	664,159	1,328,387	673,702	675,653	1,349,355
40–44	655,138	639,133	1,294,271	654,565	642,605	1,297,170
45–49	526,498	502,647	1,029,145	561,608	538,595	1,100,203
50–54	433,762	413,172	846,934	447,166	424,543	871,709
55–59	367,302	358,648	725,950	373,830	365,621	739,451
60–64	366,779	370,089	736,868	362,272	365,165	727,437
65–69	320,142	351,248	671,390	325,240	352,908	678,148
70–74	228,494	282,261	510,755	239,249	292,925	532,174
75–79	158,993	225,502	384,495	162,310	229,500	391,810
80–84	84,413	145,415	229,828	88,162	151,095	239,257
85+	44,220	110,027	154,247	47,295	115,247	162,542
Total	8,615,409	8,668,627	17,284,036	8,714,939	8,774,133	17,489,072

* Australian Bureau of Statistics (1993).

Australian estimated resident population 1993* and 1994*

Age	1993			1994		
	Males	Females	Total	Males	Females	Total
0-4	659,773	626,776	1,286,549	662,567	628,774	1,291,341
5-9	654,439	622,667	1,277,106	655,493	623,848	1,279,341
10-14	648,963	613,677	1,262,640	654,772	619,445	1,274,217
15-19	665,409	631,519	1,296,928	656,362	622,668	1,279,030
20-24	736,291	713,436	1,449,727	740,413	714,020	1,454,433
25-29	683,601	679,320	1,362,921	680,989	677,814	1,358,803
30-34	729,998	730,173	1,460,171	734,138	733,982	1,468,120
35-39	682,000	685,320	1,367,320	691,250	695,219	1,386,469
40-44	654,391	647,898	1,302,289	656,150	654,468	1,310,618
45-49	595,889	573,621	1,169,510	619,167	599,192	1,218,359
50-54	456,880	433,753	890,633	474,926	451,768	926,694
55-59	383,862	375,186	759,048	395,862	386,326	782,188
60-64	356,357	357,748	714,105	351,469	353,077	704,546
65-69	330,957	356,132	687,089	333,439	356,391	689,830
70-74	250,169	303,448	553,617	263,217	315,418	578,635
75-79	164,013	231,240	395,253	164,540	230,811	395,351
80-84	92,644	157,478	250,122	98,083	165,164	263,247
85+	50,210	121,787	171,997	54,135	127,911	182,046
Total	8,795,846	8,861,179	17,657,025	8,886,972	8,956,296	17,843,268

Australian estimated resident population 1995* and World Standard Population**

Age	1995			World Standard Population
	Males	Females	Total	
0-4	675,900	641,800	1,317,700	12,000
5-9	658,800	625,400	1,284,200	10,000
10-14	661,200	627,700	1,288,900	9,000
15-19	649,900	615,000	1,264,900	9,000
20-24	732,300	704,200	1,436,500	8,000
25-29	687,600	683,200	1,370,800	8,000
30-34	723,900	727,600	1,451,500	6,000
35-39	705,000	707,900	1,412,900	6,000
40-44	661,000	663,400	1,324,400	6,000
45-49	637,200	618,800	1,256,000	6,000
50-54	496,300	475,400	971,700	5,000
55-59	408,600	395,700	804,300	4,000
60-64	347,900	351,100	699,000	4,000
65-69	335,600	354,800	690,400	3,000
70-74	270,100	321,700	591,800	2,000
75-79	169,600	234,900	404,500	1,000
80-84	103,200	172,200	275,400	500
85+	57,800	134,700	192,500	500
Total	8,981,900	9,055,500	18,037,400	100,000

* Australian Bureau of Statistics (1994).

** Doll & Smith (1982).

Appendix D: Cancer registration in Australia

The table below provides information about cancer registration in Australia. Each State and Territory operates its own registry. Generally, operational guidelines for each of the registries are similar and coincide with the objectives of the International Association of Cancer Registries. Although some registries operate under different coding systems for site, morphology and other variables, the bulk of information is directly comparable and has been reconciled for this publication. The reporting sources of the registries vary according to the local conditions and those bodies named in the legislation. Every attempt is made to report all cancer cases, although not every case will be identified. Cancer registries are dependent upon their reporting sources. Variation in reporting of cancers by age, sex, type, geographical location, country of birth or other variables does occur and may have effects on the final statistics. Occasionally, delays in reporting some case information may extend over several years but this has a minimal effect on the final data. In order to minimise the effects on the final registration, multiple reporting sources are used to compile case information where possible. Case information is exchanged between registries where there is cause for suspicion of duplicate registration. Further information regarding registry coding practices may be obtained by contacting the Registrar in each State or Territory.

States and Territories	NSW	Vic	Qld	WA	SA	Tas	ACT	NT
Total population (1990)	5,826,850	4,379,822	2,906,778	1,633,825	1,439,121	456,633	285,077	157,277
Per cent of Australian population	34.1	25.6	17.0	9.6	8.4	2.7	1.7	0.9
Per cent of population older than age 65	11.7	11.3	10.9	9.5	12.6	11.8	5.7	3.0
No. new cancers (1990)	20,146	14,762	9,727	4,625	5,193	1,512	586	219
First year of registration	1972	1982	1982	1982	1977	1978	1972	1981
Funding source	Pvte–Govt	Pvte–Govt	Govt	Govt	Govt	Pvte–Govt	Govt	Govt
ICD site coding	ICD-9	ICD-9	ICD-9	ICD-0	ICD-9	ICD-9	ICD-9	ICD-9
Morphology coding	SNOMED	ICD-0	ICD-0	ICD-0	SNOMED	ICD-0	SNOMED	ICD-0
Reporting sources								
Public hospitals	Yes	Yes	Yes	No*	Yes	Yes	Yes	Yes
Private hospitals	Yes	Yes	Yes	No*	Yes	No*	Yes	No
Repatriation hospitals	Yes	Yes	Yes	No*	Yes	Yes	Yes	No
Pathology laboratories	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Radiotherapy units	Yes	No	Yes	Yes	Yes	Yes	Yes	No
Nursing homes	Yes	No	Yes	No	No	No*	Yes	No
Registrar of Births, Deaths and Marriages	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Doctors	No*	No*	No*	No*	No*	No*	No*	No*

* Data are provided on special request only.

** Data are available only from some private hospitals and pathology laboratories.

Glossary

AACR: Australasian Association of Cancer Registries

ACT: Australian Capital Territory—a land-locked Territory of Australia situated within the State of New South Wales on the eastern seaboard with a population of 285,077. Its capital city is Canberra, which is also Australia's capital city.

AIHW: Australian Institute of Health and Welfare

AS Rate: age-standardised rate

Cancer (malignant neoplasm): a term used to describe one of several diseases which result when the process of cell division, by which tissues normally grow and renew themselves, becomes uncontrolled and leads to the development of malignant cells. These cancer cells multiply in an uncoordinated way, independently of normal growth control mechanisms, to form a tumour. This tumour may expand locally by invasion or systemically by metastasis via the lymphatic or vascular systems. If left untreated most malignant tumours will eventually result in death.

Cancer death: a death where the underlying cause is indicated as cancer. Persons with cancer dying of other causes are not counted in the death statistics in this publication.

Epidemiology: the study of the distribution and determinants of health-related states and events in populations, and the application of this study to the control of health problems.

IACR: International Association of Cancer Registries

ICD-9: International Classification of Disease—a coding system used to identify the primary site of the malignancy. This classification is in its ninth revision.

Incidence: see **new cancer case**

Mortality: see **cancer death**

NCSC: National Cancer Statistics Clearing House

New cancer case: a person who has a new cancer diagnosed for the first time. One person may have more than one cancer and therefore may be counted twice in incidence statistics if it is decided that the two cancers are not of the same origin. This decision is based on a series of principles set out in more detail in the AACR handbook.

NSW: New South Wales—a State of Australia on the eastern seaboard which has the largest capital city in Australia, Sydney, and a population of 5,826,850.

NT: Northern Territory—a Territory in the north of Australia with a population of 157,277 and Darwin as its capital city.

PYLL: person-years of life lost

Qld: Queensland—a State in the north-east of Australia with a population of 2,906,778 and Brisbane as its capital city.

SA: South Australia—a State in the southern part of Australia with a population of 1,439,121 and Adelaide as its capital city.

SNOMED: Systematised Nomenclature of Medicine

Tas: Tasmania—an island State in the south-east of Australia with a population of 456,633 and Hobart as its capital city.

Vic: Victoria—a State in the south-east of Australia with a population of 4,379,822 and Melbourne as its capital city.

WA: Western Australia—the largest State in Australia located in the west with a population of 1,633,825 and Perth as its capital city.

WHO: World Health Organization

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