Cancer in Western Australia:

Incidence and mortality 2003 and Mesothelioma 1960-2003

A report of the Western Australian Cancer Registry

Health Data Collections, Information Collection and Management
Department of Health
Perth, Western Australia

September 2005

Statistical Series number 74

ISSN: 0816-2999

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Citation

The following citation is suggested in referring to this report:

Threlfall TJ, Thompson JR, Olsen N (2005). *Cancer in Western Australia: Incidence and mortality 2003 and Mesothelioma 1960-2003.* Department of Health, Western Australia, Perth. Statistical series number 74.

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Summary

The Western Australian Cancer Registry has since 1981 provided population-based cancer data for use in the planning of health care services and the support of cancer-related research, at both State and Australia-wide levels. Most of this report is concerned with invasive tumours, or "cancers", using standardized reporting practices as used in other cancer registries in Australia and overseas. Sections 2 and 3 of this report deal primarily with cancer incidence and cancer-related mortality in Western Australian residents, who comprise approximately 10% of the Australian population. All statistics are based on the ICDO-3 coding system, implemented and applied retrospectively to all historical data during 2003.

New cases of cancer, 2003

There were 8653 new cases of cancer recorded in Western Australians in 2003, 55% occurring in males. Age-standardized rates were 354 per 100,000 males, and 268 per 100,000 females. The estimated lifetime risk of cancer to age 75 years was 1 in 3 for males, and 1 in 4 for females, essentially unchanged in the last 5 years.

Cancer-related deaths

Among Western Australian residents, there were 3318 deaths due to cancer in 2003 (55% males). Mortality rates for 2003 were 126 deaths per 100,000 males and 87 per 100,000 females. The most common causes of cancer-related death in males were lung, colorectal and prostate cancers, while breast, lung and colorectal cancers were the most common in females; both rankings as in 2002 data. In 2000, lung cancer caused more deaths than breast cancer in women. However, as anticipated in a previous report, breast cancer has again in recent years, been the leading cause of cancer-related death in women.

Common cancers

The most common cancers in males in 2003 were prostate cancer, melanoma of the skin, colorectal cancer and lung cancer. Breast cancer predominated among females, followed by colorectal cancer, melanoma and lung cancer; these patterns have changed very little in recent years.

There were 74 children under the age of 15 years diagnosed with cancer in 2003 (ASR 18.7 per 100,000), compared to 55 in 2002 (ASR 15). Cancer at this age is a rare disease and annual variation in numbers and types is considerable. Acute lymphoblastic leukaemia accounted for 26% of the childhood cancers, followed by tumours of the CNS and lymphomas.

Malignant melanoma of the skin was - as in most years since 1982 - the most common cancer in both males and females in the 15-39 years age range. In persons over the age of 40 years, prostate and breast cancers, melanoma, colorectal and lung cancers, remain the most common incident cancers.

Based on data for 2003, 1 in 11 women could be expected to develop breast cancer before the age of 75, and one in 9 men would be expected to have a diagnosis of prostate cancer. One in 60 women could be expected to die from breast cancer before age 75, and one in 110 men to die of prostate cancer before the same age.

Historical trends and projections of incidence rates

Historical trends in incidence and mortality rates are presented for many cancer types, and projections of incidence rates and case numbers have been updated. Based on data for 1994-2003, there was a significant reduction in the all-cancers incidence rate for males, and no significant change for females. Projections suggest ongoing declines in the incidence rates for

males and for females, but continuing increases in actual case numbers due to population growth. In males, rates of prostate cancer, lung cancer and melanoma are predicted to decline, while in females lung cancer is expected to continue to rise by 1.6% per year. There are no significant changes predicted in the incidence of colorectal cancer, however screening programmes can affect such findings, and all projections must be regarded with caution.

Mesothelioma, 2003 and 1960-2003

The Western Australian Mesothelioma Register Committee continues to review the history and findings concerning each reported case of mesothelioma, and a large section of this report is devoted to updated information based on the last 43 years.

There were 69 cases of malignant mesothelioma diagnosed in Western Australians in 2003, continuing the trend of decreasing rates in recent years; the majority originated in the pleura. In males, 56 cases represented an age-standardized rate of 4.0 cases per 100,000. In females, 13 cases represented an ASR of 0.7 per 100,000. Mesothelioma cases have been diagnosed at progressively increasing ages in recent years; in males, the median age has increased from 59 to 70 years since the period 1960-1987, and in females from 57 to 73 years.

Over the period 1960-2003, there have been major changes in the patterns of asbestos exposure presumed to cause mesothelioma cases. For diagnoses in the period 1994 – 2003, exposure to processed asbestos in building materials predominated over exposure to raw asbestos during mining and transport. While cases of Wittenoom- associated mesothelioma among non-mining company workers continue to occur at between 1 and 6 cases per year, they are progressively forming a smaller proportion of total cases.

Acknowledgments

This report is based on data recorded and maintained by the staff of the Western Australian Cancer Registry, to whom we are particularly grateful.

We also wish to acknowledge the invaluable contribution of the Western Australian pathologists, haematologists and radiation oncologists who supply the vast majority of the Registry's primary notifications, and the health professionals and organizations who supply additional information in response to our enquiries. Members of the Registry's Scientific Advisory Committee have given valuable advice concerning a wide range of issues. Members of the WA Mesothelioma Register Committee have contributed significantly to the content of this particular report.

The cooperation of other Australian Cancer Registries regarding procedures, coding, duplication and demarcation issues, and of the National Cancer Statistics Clearing House at AIHW, Canberra, is acknowledged as playing a vital part in ensuring data quality and comparability.

The Registry relies on a variety of supporting services in order to produce reports on cancer; these include population figures and projections, mapping, hospitalization data, legal advice, computing services and general support and encouragement. Thanks are due to other staff of Epidemiology & Analytical Services who have provided assistance, and to staff of the Health Promotion Branch for assistance with cover design and printing arrangements.

1 Overview and Methods

1.1 This Report

Overview of this report

This report is the latest in this Registry's series of annual all-cancers incidence and mortality reports, and comprises a summary of Registry activities and topical issues, and details of cancer incidence and mortality for 2003. Sections concerning coding and other Registry practices and statistical methods include relevant material for recent years. This year a large section is devoted to mesothelioma, using data from the WA Mesothelioma Register from 1960 to the present time.

The Western Australian Cancer Registry (WACR) is a population-based cancer registry that was established in 1981. Records are based on notification of cancers from pathologists, haematologists and radiation oncologists, and cancer information from death records. The Registry works to collect and disseminate reliable population-based cancer data to assist in the planning of services and in the prevention and treatment of cancer.

The WA Mesothelioma Register is a separate database which is maintained within the WA Cancer Registry, reconciled frequently with "mainstream" WACR data. It incorporates specific information for mesothelioma cases concerning occupational, residential and asbestos exposure history, and the most significant asbestos exposure.

The WACR acts with the delegated authority of the Executive Director of Public Health with respect to the Health (Notification of Cancer) Regulations 1981. Last amended in 1996, these require the notification of *in situ* neoplasms and all non-melanoma skin cancers other than basal cell and squamous cell carcinomas, and all other invasive malignancies and benign CNS tumours (see Appendix 2E). Further changes are currently being sought in order to maintain the relevance of the registry's data collection.

1.2 General structure; how to find information

The major statistical sections are based on cancers diagnosed, and deaths due to cancer, in 2003. Data for the more common forms of cancer are presented under headings based on incidence, mortality and age, while data for common cancers in selected geographic areas are presented in Appendices 3D. Special topics concerned with selected cancer types or aspects of Registry operations, in Section 4, may be based on data from other years as well.

Detailed data for all types of cancers for 2003 are found in the tables of Appendices 3A and 3B. The layout of those tables follows the coding system summarized in Appendix 2F. Readers seeking detailed information for a particular cancer type which does not appear among the tables of more common cancers, should refer to Appendix 2H.

1.3 Interpretation of changes and differences

Western Australia is particularly polarized into metropolitan and rural areas, and there are likely to be some statistical biases due to the difficulties of transport and the location of services within the State. Throughout this report, statistics are presented in various ways and some comparisons are made in an attempt to demonstrate that assessing the importance of changes in cancer incidence and mortality is complex and depends on the underlying population sizes and

their age structures. As in previous years, caution is required in assessing changes on the basis of single rate comparisons.

The Cancer Registry database is dynamic, and data are continually updated in the light of the most recent available information. Accordingly, numbers quoted for previous years may vary slightly from those in previous publications. As a guide, while total cancers for 2002 were quoted at 8464 in our previous report, the total currently recorded for 2002 is 8623 cases, an increase of 2%. Ongoing data-reconciliation processes result in some Western Australian cases being recorded as having been diagnosed elsewhere, or in earlier years, and such case-counts necessarily rise and fall as new information arrives.

1.4 Statistical methods

Statistics from the Registry commonly fall into one of two major groups: incidence (all malignancies except specific non-melanoma skin cancers) and mortality (all malignancies, and certain other tumours or tumour-like conditions). The usual statistics calculated for both types of report are briefly discussed below; formulae and relevant details are in Appendix 2B.

Rates in this report are calculated separately for males and females and are expressed as events (diagnoses or deaths) per 100,000 person-years.

Age-specific rates (ASPR) are based on five-year age intervals and are calculated by dividing the numbers of cases by the population of the same sex and age group.

Age-standardized rates (ASR in Tables) are calculated by the direct method and represent a summation of weighted age-specific rates. Tables in this report now show the 95% confidence interval for ASRs, instead of the standard deviation (SD). The 95% c.i. is approximately (ASR \pm 1.96 * SD).

The **World Standard Population 1960** ¹ remains in routine use for ASR calculation, as in most cancer registries worldwide. However in some tables a second ASR and 95% c.i. are shown, using the Australian (2001)² population standard, labelled "ASR2". These ASRs are usually quite different and comparisons need to take note of which "standard" is being used.

When a subset of age groups is considered, the term **age-adjusted rate** is used instead of ASR, as standardization has considered only some age groups, for both cases and population.

Cumulative Incidence and Lifetime Risk are closely related. **Cumulative incidence** is an estimate of the proportion persons, up to a specific age, who have been affected by a particular condition at some time. In Registry reports, this is generally expressed as a percentage. **Lifetime risk** (LR) estimates of the probability of having cancer (incidence) or dying of it (mortality), up to a specific age. This is derived from the relevant cumulative incidence figures, and calculated for ages 0 to 74 years (see **Appendix 2B** for formulae). In this report, LR is expressed as a "1 in n" chance of diagnosis or death.

Person years of life lost (PYLL) is an estimate of the number of years of life lost due to specific causes, calculated to age 75 years as an index of premature death (see Appendix 2B).

Rates and risks: It should be noted that incidence and mortality rates and lifetime risks may not be in proportion to one another because of differences in the age structures of populations.

2. Cancer in Western Australia, 2003

2.1 All cancers

Incidence

In 2003, there were 8653 new diagnoses of cancer in Western Australia, an increase of 0.3% over a "current" figure for 2002 (8623 cases). There were 4796 cancers dignosed in males (55%) and 3857 (45%) in females. Corresponding age-standardized incidence rates were 354 per 100,000 (males) and 268 per 100,000 (females), both slightly lower than updated rates for 2002.

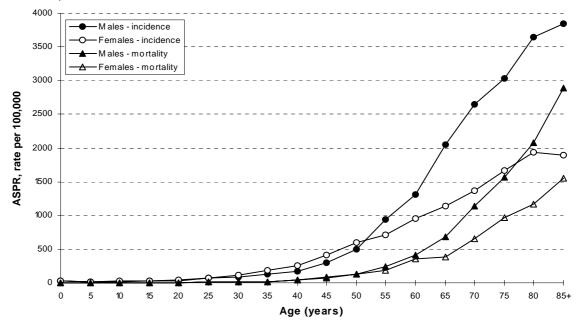
The estimated lifetime risk of cancer to age 75 years was 1 in 3 for males and 1 in 4 for females. The cumulative incidence of cancer - the proportion of persons in whom cancer had been diagnosed by age 75 years - was 41.5% for males, 29.6% for females, slightly lower than in 2002.

In 2003, rates for both sexes aged 15-34 years were similar, followed by a marked predominance of women between 35 and 54 years, and of males at older ages (Figure 1). Differences in the youngest age groups, indistinct on the linear-scale graph, are inconsistent.

Most of the excess cancer risk in females between ages 35 and 54 was due to ovarian and breast cancers, while prostate cancer and lung cancer were responsible for the high male/female rate ratio (approximately 2) at ages over 55 years.

The proportion of all cancers with a microscopic diagnosis was high (94% in males and in females, stable over the last 5 years). Among the most common cancer types, pancreatic cancer was the most often diagnosed by non-histological methods (54% in males, 53% in females, both markedly higher than in 2002. Cancers of unknown primary site and primary liver cancer were also commonly diagnosed by non-microscopic methods.

Figure 1. Age-specific all-cancers incidence and mortality rates, Western Australia, 2003.



Mortality

Among Western Australian residents in 2003, there were 1835 deaths due to cancer in males and 1483 in females. Mortality ASRs were 126 deaths per 100,000 males and 87 per 100,000 females. The estimated lifetime risk of death due to cancer before age 75 years was 1 in 8 for males and 1 in 11 for females. These rates and risks are statistically similar to those for 2002.

These deaths include 20 cases due to non-melanocytic skin cancers of the types (squamous and basal cell carcinomas) that are not included in incidence data (11 males, 9 females; 19 SCCs and one BCC).

In 2003, there were 19 cancer-related deaths in persons not normally resident in Western Australia (14 Australian, 5 from overseas); these are not included in mortality statistics in this report.

Other 2003 deaths recorded by the Cancer Registry included:

Deaths due to benign tumours - none

Deaths due to "uncertain malignant potential" lymphohaematopoietic neoplasms - 1

Deaths due to "uncertain malignant potential" non-lymphohaematopoietic neoplasms - 3

Deaths due to non-tumour-related causes among persons with a Registry tumour record - 759 males (increased since 2002), 565 females (also increased).

Deaths of unresolved cause among persons with a tumour record - 9 (2 males, 7 females).

Before the age of 75 years, a total of 12169 person-years of life were lost due to cancer among males (similar to 2002 data) and 11049 in females (also similar).

There was no significant change in the age-pattern of cancer mortality in 2003. Cancer death rates generally increased for both males and females from age 20 (Fig. 1), with low case numbers at earlier ages. All-cancers death rates among males were consistently higher than in females at ages greater than 45 years.

Mortality to incidence ratios

Except in situations where incidence and/or mortality are changing rapidly, or notification of cancer is incomplete, the ratio of mortality to incidence for a cancer gives a crude indication of its impact. The 2003 mortality/incidence (M/I) rate ratio for prostate cancer was 0.14, similar to the 2002 figure, and the mortality/incidence ratio for breast cancer in females was unchanged at 0.19. However, lung cancer has a far higher impact, with 2003 M/I ratios of 0.85 in males and 0.81 in females. All-cancers mortality/incidence ratios for 2003 were higher for males than for females (0.36 and 0.32, similar to 2002 data).

2.2 Common cancers

Incidence

In females, breast cancer continued to be the most common incident cancer (1119 cases, 29% of all cancers in females; ASR 83 per 100,000). This was followed by colorectal cancer (12%), melanoma of the skin (10%) and lung cancer (8%). These most-common cancers in females are unchanged over the last 5 years. There were an additional 214 newly-diagnosed cases of *in situ* breast carcinoma reported, increased by 10% from 2002.

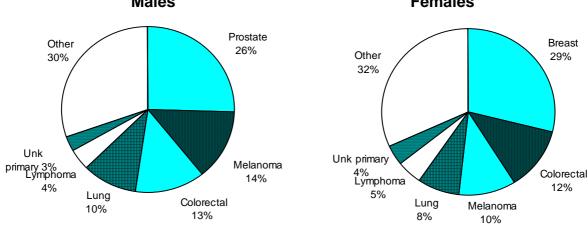
The most common cancers in males were prostate cancer (1230 cases; 26%), melanoma (650 cases; 14%), colorectal cancer (13%), and lung cancer (11%) (Table 1; Fig. 2). The age-standardized incidence rate of prostate cancer was 90.2 per 100,000, increased from 73 in 2001, but slightly lower than in 2002. For all the major cancers affecting both males and females, males had a higher incidence than females. For lung cancer, the ASRs were 34 in males and 19 in females; for colorectal cancer, ASRs were 45 and 28. Melanoma ASRs were 49 in males, 30 in females.

Lymphomas, collectively the next most common cancer in both sexes, accounted for 4-5% of cancers in males and in females, with ASRs of 15 and 12 per 100,000. Cancers of unknown primary site were recorded in 138 males (3% of all cancers, ASR 10) and 151 females (4%, ASR 8). While figures for males were similar to those for 2002, data for females may indicate an increase.

Figure 2. Cancer incidence, Western Australia, 2003: common cancers

Males

Females



Other common specific cancer types diagnosed included:

Leukaemias - 110 cases in men (ASR 9.6), 77 in women (ASR 6.5) (essentially unchanged since 2002)

Bladder - 131 cases in men (ASR 8.8), 41 in women (ASR 2.2)

Kidney - 133 cases in men (ASR 10.0), 80 in women (ASR 5.5)

Stomach - 104 cases in men (ASR 7.3), 40 in women (ASR 2.3)

Other common cancer types in women were ovarian cancer (120 cases, ASR 8.2), uterine cancer (114 cases, ASR 8.0) and cervical cancer (82 cases, ASR 6.4).

Mortality

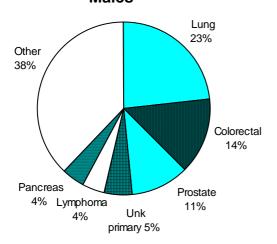
The most common causes of cancer-related death in males were lung cancer (23%), colorectal cancer (14%) and prostate cancer (11%) (Table 1; Fig. 3). Breast (17.3%), lung (17.0%) and colorectal cancer deaths (12%) were the most common in females. In 2000, lung cancer outranked breast cancer as a cause of death among women, however this was unusual. Nevertheless, in 2003, there were only 4 more deaths due to breast cancer than to lung cancer, and while early detection may continue to prevent mortality due to breast cancer, lung cancer remains a significant problem in Western Australian women.

Other major causes of cancer-related mortality included tumours of unknown primary site and pancreas in both sexes, lymphomas and brain cancers in males, and ovarian cancer, leukaemia and lymphoma in females. With minor changes, including an increasing prominence of deaths due to lymphoma, these are consistent with the usual common causes of cancer-related death in recent years.

In 2003, lung cancer was responsible for 680 deaths (428 males, ASR 29 per 100,000; 252 females, ASR 15). Prostate cancer mortality was essentially unchanged since 2001 (202 deaths, ASR 12). In women, the breast cancer death rate was similar to that of 2001 and 2002 (256 cases, ASR 16 per 100,000 females). Among causes of cancer-related death, colorectal cancer again ranked second in males and third in females: 258 deaths in males (ASR 18) and 184 females (ASR 10).

Tumours of unknown primary site were again the fourth most common cause of cancer death in both sexes (94 males, 105 females), and accounted for 5% of all cancer deaths in males and 7% in females.





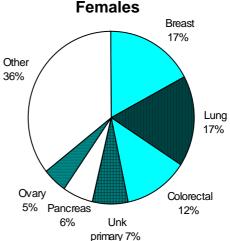


Table 1. Cancer incidence and mortality, Western Australia, 2003: leading types in males and females

Incidence											
Males	Cases	%	ASR	95%c.i.	Risk	Females	Cases	%	ASR	95%c.i.	Ris
Prostate	1230	25.6	90.2	85.0-95.4	9	Breast	1119	29.0	83.4	78.4-88.5	11
Melanoma (skin)	650	13.6	49.4	45.5-53.3	19	Colorectal	467	12.1	28.5	25.7-31.4	3
Colorectal	621	12.9	44.8	41.2-48.4	19	Colon	310	8.0	18.5	16.3-20.8	48
Colon	363	7.6	25.6	22.9-28.3	33	Rectum	154	4.0	9.8	8.1-11.5	87
Rectum	256	5.3	19.0	16.7-21.4	42	Melanoma (skin)	403	10.4	30.5	27.3-33.6	32
Lung	503	10.5	34.5	31.4-37.7	24	Lung	301	7.8	18.8	16.5-21.1	45
Lymphoma	198	4.1	15.2	13.0-17.4	65	Lymphoma	180	4.7	12.5	10.6-14.5	75
Lymphoma NOS	7	0.1	0.5	0.1-0.9	3793	Lymphoma NOS	8	0.2	0.4	0.1-0.7	3232
Hodgkin lymphoma	19	0.4	1.7	0.9-2.5	770	Hodgkin lymphoma	18	0.5	1.7	0.9-2.5	731
NHL	172	3.6	13.0	11.0-15.0	72	NHL	154	4.0	10.4	8.7-12.2	86
Unknown primary	134	2.8	9.6	7.9-11.3	94	Unknown primary	151	3.9	8.4	6.9-9.8	109
Kidney	133	2.8	10.0	8.2-11.8	85	Ovary	120	3.1	8.2	6.6-9.7	117
Bladder	131	2.7	8.8	7.2-10.3	111	Uterus	114	3.0	8.0	6.4-9.5	100
Leukaemia	110	2.3	9.6	7.7-11.6	118	Thyroid gland	100	2.6	8.4	6.7-10.1	127
Leukaemia NOS	3	0.1	0.2	0 - 0.4	*	Cervix	82	2.1	6.4	4.9-7.8	163
Lymphoid leukaemia	57	1.2	5.3	3.8-6.8	228	Kidney	80	2.1	5.5	4.2-6.8	158
Myeloid leukaemia	38	0.8	3.3	2.2-4.4	294	Leukaemia	77	2.0	6.5	4.8-8.1	176
Leukaemia, other	12	0.3	0.8	0.3-1.3	1550	Leukaemia NOS	4	0.1	0.2	0 - 0.4	6716
Stomach	104	2.2	7.3	5.8-8.7	127	Lymphoid leukaemia	30	0.8	3.1	1.8-4.3	401
Pancreas	91	1.9	6.4	5.0-7.8	134	Myeloid leukaemia	37	1.0	3.0	1.9-4.0	354
Oesophagus	85	1.8	6.0	4.7-7.3	151	Leukaemia, other	6	0.2	0.3	0.0-0.6	4631
Lip	82	1.7	6.0	4.7-7.3	155	Pancreas	75	1.9	4.5	3.4-5.6	176
Brain	74	1.5	6.1	4.6-7.5	155	Lip	58	1.5	4.0	2.9-5.1	226
Testis	73	1.5	6.8	5.2-8.4	190	Brain	56	1.5	4.7	3.4-6.0	185
Mesothelioma	56	1.2	4.0	3.0-5.1	195	Myeloma	44	1.1	2.8	1.9-3.7	268
Skin (NMSC exc. SCC/BCC	51	1.1	3.7	2.7-4.8	250	Bladder	41	1.1	2.2	1.5-3.0	469
Myeloma	48	1.0	3.3	2.3-4.2	288	Stomach	40	1.0	2.3	1.5-3.1	350
Larynx	46	1.0	3.3	2.4-4.3	251	Gallbladder / bile ducts	40	1.0	2.1	1.4-2.8	555
Myelodysplastic diseases	44	0.9	2.9	2.0-3.8	359						
All cancers		100.0		344-365	3	All cancers	3857	100.0	267.9	259-277	4
Mortality											
Males	Deaths	%	ASR	95%c.i.	Risk	Females	Deaths	%	ASR	95%c.i.	Risk
Lung	428	23.3	29.3	26.5-32.2	29	Breast	256	17.3	16.2	14.1-18.4	60
Colorectal	258	14.1	17.6	15.3-19.8	54	Lung	252	17.0	15.3	13.3-17.4	55
Colon	159	8.7	10.6	8.9-12.3	98	Colorectal	184	12.4	9.5	8.0-11.1	104
Rectum	99	5.4	7.0	5.6-8.4	118	Colon	122	8.2	6.3	5.0-7.5	167
Prostate	202	11.0	12.4	10.6-14.1	110	Rectum	62	4.2	3.2	2.4-4.1	274
Unknown primary	94	5.1	6.5	5.2-7.9	139	Unknown primary	105	7.1	5.5	4.3-6.7	157
Lymphoma	79	4.3	5.4	4.1-6.6	210	Pancreas	83	5.6	4.9	3.8-6.1	188
Lymphoma NOS	3	0.2	0.2	0 - 0.4	8403	Ovary	71	4.8	4.3	3.2-5.4	213
Hodgkin lymphoma	1	0.1	0.1	0 - 0.3	8403	Leukaemia	57	3.8	3.3	2.3-4.3	337
NHL	75	4.1	5.1	3.9-6.3	221	Leukaemia NOS	2	0.1	0.1	0 - 0.1	*
Pancreas	74	4.0	5.2	3.9-6.4	149	Lymphoid leukaemia	20	1.3	1.2	0.6-1.8	947
Brain	69	3.8	5.2	4.0-6.6	148	Myeloid leukaemia	28	1.9	1.8	1.1-2.6	522
Oesophagus	68	3.7	4.6	3.5-5.8	181	Leukaemia, other	20 7	0.5	0.2	0.1-0.4	J Z Z
COSODITAGES	00			3.4-5.6	208		, 51	3.4		2.0-3.7	304
	67			J.4-J.0		Lymphoma		0.3	2.9 0.2	0 - 0.3	304
Stomach	67 63	3.7			225				∪.∠		*
Stomach Leukaemia	63	3.4	4.4	3.3-5.6	235	Lymphoma NOS	4				
Stomach Leukaemia Leukaemia NOS	63 3	3.4 0.2	4.4 0.2	3.3-5.6 0 - 0.4	8403	Hodgkin lymphoma	1	0.1	0.1	0 - 0.2	
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia	63 3 22	3.4 0.2 1.2	4.4 0.2 1.6	3.3-5.6 0 - 0.4 0.9-2.4	8403 641	Hodgkin lymphoma NHL	1 46	0.1 3.1	2.6	1.8-3.5	
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	63 3 22 32	3.4 0.2 1.2 1.7	4.4 0.2 1.6 2.2	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9	8403 641 462	Hodgkin lymphoma NHL Brain	1 46 42	0.1 3.1 2.8	2.6 3.2	1.8-3.5 2.1-4.2	258
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	63 3 22 32 6	3.4 0.2 1.2 1.7 0.3	4.4 0.2 1.6 2.2 0.4	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8	8403 641 462 2365	Hodgkin lymphoma NHL Brain Myeloma	1 46 42 37	0.1 3.1 2.8 2.5	2.6 3.2 1.9	1.8-3.5 2.1-4.2 1.3-2.6	258 423
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin)	63 3 22 32 6 58	3.4 0.2 1.2 1.7 0.3 3.2	4.4 0.2 1.6 2.2 0.4 4.3	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4	8403 641 462 2365 196	Hodgkin lymphoma NHL Brain Myeloma Stomach	1 46 42 37 34	0.1 3.1 2.8 2.5 2.3	2.6 3.2 1.9 2.2	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0	258 423 353
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma	63 3 22 32 6 58	3.4 0.2 1.2 1.7 0.3 3.2 3.2	4.4 0.2 1.6 2.2 0.4 4.3 4.0	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0	8403 641 462 2365 196 229	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney	1 46 42 37 34 34	0.1 3.1 2.8 2.5 2.3 2.3	2.6 3.2 1.9 2.2 2.2	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0	258 423 353 305
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder	63 3 22 32 6 58 58	3.4 0.2 1.2 1.7 0.3 3.2 3.2 3.1	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6	8403 641 462 2365 196 229 362	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus	1 46 42 37 34 34	0.1 3.1 2.8 2.5 2.3 2.3 2.1	2.6 3.2 1.9 2.2 2.2	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1	258 423 353 305 768
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma	63 3 22 32 6 58 58 57 44	3.4 0.2 1.2 1.7 0.3 3.2 3.2 3.1 2.4	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9	8403 641 462 2365 196 229 362 325	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts	1 46 42 37 34 34 31 30	0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0	2.6 3.2 1.9 2.2 2.2 1.5 1.7	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1 1.0-2.4	258 423 353 305 768 698
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney	63 3 22 32 6 58 58 57 44 38	3.4 0.2 1.7 0.3 3.2 3.2 3.1 2.4 2.1	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4	8403 641 462 2365 196 229 362 325 352	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin)	1 46 42 37 34 34 31 30 28	0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9	2.6 3.2 1.9 2.2 2.2 1.5 1.7	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7	258 423 353 308 768 698 446
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma	63 3 22 32 6 58 58 57 44	3.4 0.2 1.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9	8403 641 462 2365 196 229 362 325	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus	1 46 42 37 34 34 31 30	0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0	2.6 3.2 1.9 2.2 2.2 1.5 1.7	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1 1.0-2.4	258 423 353 308 768 698 446
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma)	63 3 22 32 6 58 58 57 44 38	3.4 0.2 1.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0 1.3	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4	8403 641 462 2365 196 229 362 325 352	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix	1 46 42 37 34 34 31 30 28	0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9	2.6 3.2 1.9 2.2 2.2 1.5 1.7	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7	258 423 353 305 768 698 446 993
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma) Myelodysplastic diseases	63 3 22 32 6 58 58 57 44 38 37	3.4 0.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0 1.3	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6 2.6	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5 0.8-1.9	8403 641 462 2365 196 229 362 325 352 300 460 1366	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix Bladder	1 46 42 37 34 31 30 28 25	0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9	2.6 3.2 1.9 2.2 2.2 1.5 1.7 1.9	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8	258 423 353 305 768 698 446 993
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma) Myelodysplastic diseases Gallbladder / bile ducts	63 3 22 32 6 58 58 57 44 38 37 24 24	3.4 0.2 1.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0 1.3 1.3	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6 1.8 1.4	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5 0.8-2.0	8403 641 462 2365 196 229 362 325 352 300 460 1366 533	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix Bladder Myelodysplastic diseases	1 46 42 37 34 31 30 28 25 24 24	0.1 3.1 2.8 2.5 2.3 2.1 2.0 1.9 1.7 1.6 1.6	2.6 3.2 1.9 2.2 2.2 1.5 1.7 1.9 1.2 1.8 0.9	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8 1.0-2.5 0.5-1.4 0.4-1.2	258 423 353 305 768 698 446 993 511 3225 1614
Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma) Myelodysplastic diseases	63 3 22 32 6 58 58 57 44 38 37 24	3.4 0.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0 1.3	4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6 1.8	3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5 0.8-1.9	8403 641 462 2365 196 229 362 325 352 300 460 1366	Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix Bladder	1 46 42 37 34 31 30 28 25 24	0.1 3.1 2.8 2.5 2.3 2.1 2.0 1.9 1.7 1.6	2.6 3.2 1.9 2.2 2.2 1.5 1.7 1.9 1.2 1.8 0.9	1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8 1.0-2.5 0.5-1.4	317 258 423 353 305 768 698 446 993 511 3225 1614 2877

Notes: - no data; * no data <75 years or risk less than 1 in 10,000

Other specific cancers of particular prominence in cancer mortality in 2003 included:

Lymphomas - 130 deaths (79 males, 51 females; decreased in females)

Leukaemia - 120 deaths (63 males, 57 females; decreased in males, increased in females)

Malignant brain tumours - 111 deaths (69 males, 42 females; increased in males)

Stomach cancer - 101 deaths (67 males, 34 females; both decreased)

Melanoma - 86 deaths (58 males, 28 females)

Kidney - 72 deaths (38 males, 34 females; decreased in males)

In females: Cancer of the ovary - 71 deaths (similar to 2002 data)

In males: Mesothelioma - 58 deaths; similar to 2002 data.

2.3 Cancer in different age groups

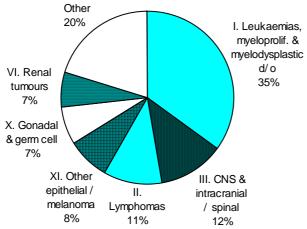
2.3.1 Cancer in children

In children under the age of 15 years, there were 74 cases of cancer diagnosed in 2003, 39 males and 35 females. The corresponding ASRs were 19.2 per 100,000 males, 18.1 per 100,000 females. (**Appendix 3C**). The estimated 0-14 years population in Western Australia in 2003 was 398,348 children (204,059 males and 194,289 females).

Diagnoses are routinely coded and reported using ICD-O 3rd edition,³ but are also tabulated using the WHO-sponsored International Classification of Childhood Cancer, into 12 major diagnostic groups based primarily on tumour morphology; these are shown in **Appendix 3C**. This report uses the draft 3rd revision of this classification as current in March 2005.

The most common tumours diagnosed in children in 2003 are shown in Figure 4. The leukaemias and lymphomas accounted for 46% of all diagnoses as in 2002. The most common individual tumour type was lymphoblastic leukaemia, with 20 children newly diagnosed (ASR 5.5 in males, 5.1 in females). There were 2 melanoma cases reported in Western Australian children in 2003 (1 male, 1 female); both were high-level tumours with a depth of over 1.5mm.

Figure 4. Cancer in children under 15 years of age, Western Australia, 2003: most common types.



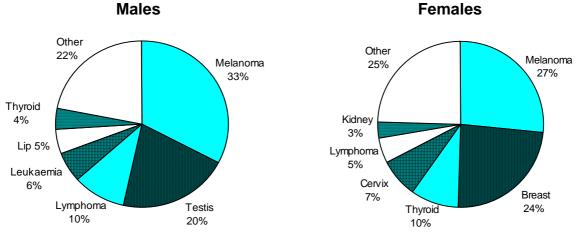
Although cancer incidence was higher than in 2002, there were only 9 cancer-related deaths (3 males, 6 females) in children in 2003, fewer than the 15 deaths in 2002. Age-adjusted death

rates were 1.4 per 100,000 in males and 3.1 per 100,000 in females. The estimated risk of death due to cancer before the age of 15 was 1 in 4575 for males, and 1 in 2156 for females.

2.3.2 Cancer in the 15-39 years age range

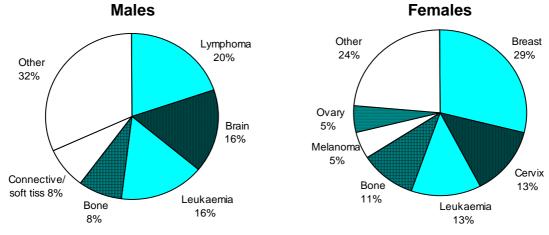
Incidence: In the 15 to 39 years age range, there were 551 cancer diagnoses in 2003 (250 males, ASR 65, 301 females, ASR 76). Melanoma of the skin was most common in both sexes (82 males, 80 females). Second-ranked cancers were testicular cancer in males (51 cases, 20% of all cancers) and breast cancer in females (71 cases, 24% of all cancers) (Fig. 5). Thyroid and cervical cancers were the next most common in females (as in recent years), with lymphoma (25 cases) and leukaemia (15 cases) following next in males. Colorectal cancer in males and females continued to be less common than in previous years in this age group.

Figure 5. Cancer incidence, Western Australia, 2003: common cancers in the 15 to 39 years age group



Mortality: Among persons aged 15 to 39 years, there were 63 cancer-related deaths in 2003, slightly fewer than in 2001 and 2002 (Table 3). Among males, lymphomas, brain cancers and leukaemias were the leading causes of cancer-related death in this age group (Fig. 6). In females, breast cancer was the leading cause of cancer death (11 deaths, 29% of female deaths), followed by cervical cancer (5 deaths) and leukaemia (5 deaths). As cancer-related death in this age group is relatively uncommon, these 'rankings' are very variable from year to year.

Figure 6. Cancer mortality, Western Australia, 2003: common cancers in the 15 to 39 years age group

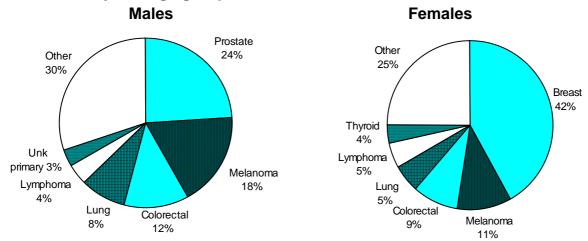


2.3.3 Cancer in the 40-64 years age range

Incidence: In the age range 40 to 64 years, breast cancer continued to dominate reported incident cancers (695 cases, 42% of all female cancers in this age group, similar to 2001 and 2002 data) (Table 2; Fig. 7). The risk of cancer occurring in this age range was 1 in 7 for males, and 1 in 7 for females, similar to the risks in 2002. Over half (51%) of all new cancer diagnoses in this age range occurred in males. In males, prostate cancer (24%) was most common, followed by melanoma (18%) and colorectal cancer (12%).

As in the previous 4 years, melanoma cases (177, 11%) outnumbered colorectal cancers (145, 9%) in this age group in females. Also in common with data from recent years, lung cancer was the fourth most common type in both sexes: 148 cases in males (8%), 90 in females (5%).

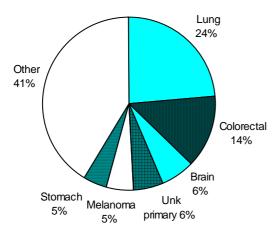
Figure 7. Cancer incidence, Western Australia, 2003: common cancers in the 40 to 64 years age group

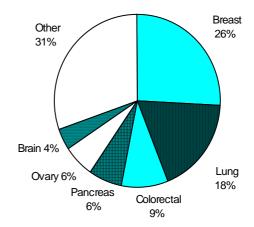


Mortality: In the age range 40 to 64 years, lung cancer was, as in 2002, the most common cause of cancer-related death in 2003 among males (113 deaths, age-adjusted rate of 38 per 100,000 males; little change since 2001) (Table 3; Figure 8). Other leading causes of death in males were colorectal cancer (65 deaths) and brain cancers (30 deaths), and cancers of unknown primary site (27 deaths). Major causes among females were breast cancer (106 deaths), lung cancer (74 deaths) and colorectal cancer (38 deaths). Cancers of unknown primary site were the 4th most common cause of death in males (27 deaths) and 7th in females (15 deaths).

Figure 8. Cancer mortality, Western Australia, 2003: common cancers in the 40 to 64 years age group

Males Females



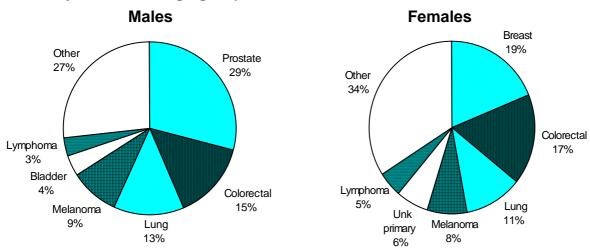


2.3.4 Cancer in persons aged 65 and over

Incidence: Over the age of 65 years, prostate cancer (802 cases) outnumbered any other specific cancer type in either sex (Table 2; Fig. 9) and accounted for 29% of diagnoses in males. Although rates have fluctuated, this represents a considerable increase since 2001. Among females, breast cancer predominated (353 cases, 19% of all cancers, somewhat reduced since 2002). Other common cancer types in this age range were colorectal cancer (15% in males, 17% in females) and lung cancer (13%, 11%) (both similar to 2001 and 2002 data).

Melanoma of the skin was the fourth most common cancer type in males and in females. While incidence of cancers of unknown primary site has been higher in males than in females in recent years, rates for 2003 were higher in females (76.9 per 100,000) than in males (65.4) (Table 2).

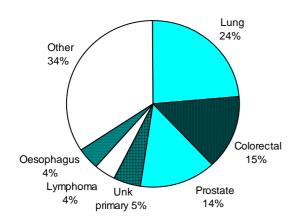
Figure 9. Cancer incidence, Western Australia, 2003: common cancers in the 65 years & over age group



Mortality: Over the age of 65 years, lung cancer was, as in recent years, the most common cause of cancer-related death in both sexes: in males, 314 deaths, ASR 283 per 100,000; in females, 177 deaths, rate 127 - decreased in males, but increased in females. Colorectal cancer ranked second in males (193 deaths, rate 174) and in females (145 deaths, rate 90). Deaths due to prostate cancer ranked third in males (187 deaths, rate 158). Cancers of unknown primary site were a major cause of death in this age range (157 deaths, 60% of them in males) (Figure 10).

Figure 10. Cancer mortality, Western Australia, 2003: common cancers in the 65 years & over age group

Males Females



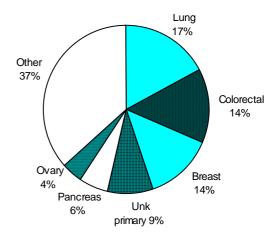


Table 2. Cancer incidence, Western Australia, 2003: leading types by sex and age group (ASR: age-adjusted rate)

15 to 39 years											
Males						Females					
	Total	%	ASR	95%c.i.	Risk		Total	%	ASR	95%c.i.	Risl
Melanoma (skin)	82	32.8	20.9	16.3-25.5	176	Melanoma (skin)	80	26.6	20.7	16.1-25.3	178
Testis	51	20.4	13.6	9.8-17.4	279	Breast	71	23.6	16.5	12.6-20.4	204
Lymphoma	25	10.0	6.4	3.9-9.0	580	Thyroid gland	29	9.6	7.4	4.7-10.1	490
Lymphoma NOS	1	0.4	0.3	0 - 1.0	*	Cervix	22	7.3	5.5	3.2-7.9	649
Hodgkin lymphoma	9	3.6	2.5	0.8-4.1	1594	Lymphoma	15	5.0	4.4	2.2-6.7	931
NHL	15	6.0	3.6	1.8-5.5	978	Lymphoma NOS	0				
Leukaemia	15	6.0	4.5	2.2-6.8	949	Hodgkin lymphoma	6	2.0	1.9	0.4-3.4	2324
Leukaemia NOS	1	0.4	0.2	0 - 0.7		NHL	9	3.0	2.5	0.8-4.2	1553
Lymphoid leukaemia	7	2.8	2.1	0.5-3.7	2054	Kidney	10	3.3	2.4	0.9-4.0	1428
Myeloid leukaemia	7	2.8	2.2	0.5-3.8	2006	Brain 	10	3.3	2.6	1.0-4.3	1404
Leukaemia, other	0	4.0		4040	4040	Leukaemia	9	3.0	2.4	0.8-4.1	1582
Lip	12	4.8	2.8	1.2-4.3	1212	Leukaemia NOS	0	0.7			744
Thyroid gland	10	4.0	2.5	0.9-4.1	1425	Lymphoid leukaemia	2	0.7	0.6	0 - 1.4	7146
Colorectal	8	3.2	2.1	0.6-3.5	1763	Myeloid leukaemia	7	2.3	1.9	0.5-3.3	203
Colon	2	0.8	0.5	0 - 1.3	6982	Leukaemia, other	0	0.7			470
Rectum	6	2.4	1.5	0.3-2.8	2358	Colorectal	8	2.7	1.9	0.6-3.2	1799
All cancers	250	100.0	64.6	56.4-72.7	58	All cancers	301	100.0	75.9	67.1-84.6	48
40 to 64 years											
Males						Females					
	Total	%	ASR	95%c.i.	Risk		Total	%	ASR	95%c.i.	Risl
Prostate	426	24.2	139.8	126-153	24	Breast	695	41.9	227.4	210-244	17
Melanoma (skin)	311	17.7	98.0	87.0-109	39	Melanoma (skin)	177	10.7	58.1	49.5-66.7	68
Colorectal	212	12.1	69.7	60.2-79.1	51	Colorectal	145	8.7	49.1	41.0-57.1	73
Colon	106	6.0	34.9	28.2-41.6	101	Colon	90	5.4	30.8	24.4-37.3	114
Rectum	104	5.9	34.2	27.5-40.8	102	Rectum	53	3.2	17.6	12.8-22.4	203
Lung	148	8.4	48.8	40.9-56.8	71	Lung	90	5.4	30.6	24.2-37.0	116
Lymphoma	72	4.1	23.3	17.9-28.7	158	Lymphoma	77	4.6	25.2	19.5-30.8	149
Lymphoma NOS	2	0.1	0.7	0 - 1.7	5282	Lymphoma NOS	4	0.2	1.2	0.0-2.4	3232
Hodgkin lymphoma	5	0.3	1.6	0.2-3.0	2402	Hodgkin lymphoma	6	0.4	1.9	0.4-3.5	2129
NHL	65	3.7	20.9	15.8-26.1	175	NHL	67	4.0	22.0	16.7-27.3	168
Unknown primary	58	3.3	18.8	13.9-23.7	191	Thyroid gland	61	3.7	19.7	14.7-24.7	205
Kidney	54	3.1	17.7	12.9-22.5	203	Ovary	54	3.3	17.5	12.8-22.2	215
Brain	39	2.2	12.6	8.6-16.6	311	Uterus	49	3.0	16.5	11.8-21.1	219
Oesophagus	38	2.2	12.0	8.1-15.8	298	Cervix	40	2.4	13.3	9.2-17.5	289
Stomach	32	1.8	10.6	6.9-14.3	323	Unknown primary	28	1.7	9.4	5.9-12.9	383
Pancreas	32	1.8	10.3	6.7-13.9	341	Lip	23	1.4	7.7	4.5-10.8	478
Lip	31	1.8	9.9	6.4-13.4	378	Kidney	22	1.3	6.9	4.0-9.9	516
All cancers	1759	100.0	570.0	543-597	7	All cancers	1660	100.0	547.2	521-574	7
65 years and over											
Males						Females					
	Total	%	ASR	95%c.i.	Risk		Total	%	ASR	95%c.i.	Risl
Prostate	802	29.2	787.2	731-843	14	Breast	353	19.0	291.9	259-325	35
Colorectal	400	14.6	378.5	340-417	30	Colorectal	313	16.8	220.7	194-248	55
Colon	255	9.3	238.3	208-269	49	Colon	217	11.7	150.6	128-173	84
Rectum	145	5.3	140.2	117-164	74	Rectum	95	5.1	69.7		160
Lung	353	12.8	316.8	282-351	36	Lung	209	11.2	156.7	133-180	75
Melanoma (skin)	256	9.3	243.2	212-274	43	Melanoma (skin)	145	7.8	116.5	95.7-137	85
Bladder	105	3.8	94.9	76.2-114	152	Unknown primary	117	6.3		61.6-92.3	163
Lymphoma	95	3.5	86.9	68.6-105	142	Lymphoma	86	4.6		47.7-76.7	187
Lymphoma NOS	4	0.1	2.8	0.0-5.6	0	Lymphoma NOS	4	0.2	1.6	0.0-3.2	(
Hodgkin lymphoma	4	0.1	3.1	0.0-6.3	5378	Hodgkin lymphoma	4	0.2	3.4	0 - 7.0	3099
NHL	87	3.2		63.2-98.6	146	NHL	78	4.2		43.2-71.1	199
Unknown primary	73	2.7	65.4	49.9-81.0	193	Uterus	61	3.3	49.7		19:
Kidney	71	2.6		50.5-82.7	158	Pancreas	58	3.1		31.5-56.6	23
Stomach	68	2.5		45.8-76.1	222	Ovary	57	3.1		30.0-54.3	30
Pancreas	57	2.1		38.2-66.4	226	Kidney	46	2.5		25.1-48.1	280
Leukaemia	51	1.9	48.2	34.5-61.9	259	Leukaemia	37	2.0	27.0	17.4-36.5	443
All cancers		400.0	0500.4	2500-2699	5	All cancers		100.0	1200.0	1322-1460	8

Notes: - no data; * no data <75 years or risk less than 1 in 10,000

Table 3. Cancer mortality, Western Australia, 2003: leading types by sex and age group (ASR: age-adjusted rate)

15 to 39 years											
Males						Females					
	Total	%	ASR	95%c.i.	Risk		Total	%	ASR	95%c.i.	Risk
Lymphoma	5	20.0	1.3	0.1-2.5	2828	Breast	11	28.9	2.7	1.1-4.2	1305
Lymphoma NOS	0				-	Cervix	5	13.2	1.3	0.1-2.5	2804
Hodgkin lymphoma	0				-	Leukaemia	5	13.2	1.3	0.1-2.5	2816
NHL	5	20.0	1.3	0.1-2.5	2828	Leukaemia NOS	0				-
Brain	4	16.0	1.1	0.0-2.2	3615	Lymphoid leukaemia	2	5.3	0.6	0 - 1.6	6656
Leukaemia	4	16.0	1.2	0.0-2.3	3470	Myeloid leukaemia	3	7.9	0.7	0 - 1.4	4880
Leukaemia NOS	0				-	Leukaemia, other	0				-
Lymphoid leukaemia	2	8.0	0.6	0 - 1.5	6899	Bone	4	10.5	1.2	0.0-2.4	3394
Myeloid leukaemia	2	8.0	0.5	0 - 1.3	6982	Melanoma (skin)	2	5.3	0.4	0 - 1.1	7331
Leukaemia, other	0				-	Ovary	2	5.3	0.4	0 - 1.1	7331
Bone	2	8.0	0.5	0 - 1.3	7258	Brain	2	5.3	0.4	0 - 1.1	7298
Connective/ soft tissues	2	8.0	0.5	0 - 1.3	7068	Lymphoma	2	5.3	0.4	0 - 1.1	7366
						Lymphoma NOS	0				-
						Hodgkin lymphoma	0				-
						NHL	2	5.3	0.4	0 - 1.1	7366
All cancers	25	100.0	6.7	4.0-9.4	570	All cancers	38	100.0	9.6	6.5-12.7	375
40 to 64 years											
Males						Females					
iviales	T	0/	4.00	0.50/	D: . I	remales	T	0/	4.00	0.50/	Dist.
1	Total	%	ASR	95% c.i.	Risk	Bernet	Total	%	ASR	95% c.i.	Risk
Lung	113	23.7	37.8	30.8-44.8	93	Breast	106	25.8		28.7-42.3	103
Colorectal	65	13.6	21.5	16.2-26.7	167	Lung	74	18.0	25.5	19.7-31.4	139
Colon	37	7.8	12.6	8.5-16.6	279	Colorectal	38	9.2	12.7	8.6-16.7	289
Rectum	28	5.9	8.9	5.6-12.3	414	Colon	27	6.6	9.2	5.7-12.7	390
Brain	30	6.3	9.4	6.0-12.8	401	Rectum	11	2.7	3.5	1.4-5.5	1106
Unknown primary	27	5.7	9.3	5.8-12.8	367	Pancreas	26	6.3	8.7	5.3-12.1	399
Melanoma (skin)	23	4.8	7.6	4.5-10.7	503	Ovary	25	6.1	8.8	5.3-12.3	382
Stomach	22	4.6	6.8	3.9-9.7	522	Brain	16	3.9	5.4	2.7-8.0	687
Pancreas	22	4.6	7.1	4.1-10.1	492	Unknown primary	15	3.6	5.3	2.6-8.0	641
Leukaemia	18	3.8	6.0	3.2-8.8	632	Lymphoma	13	3.2	4.2	1.9-6.6	869
Leukaemia NOS	1	0.2	0.4	0 - 1.1	8403	Lymphoma NOS	1	0.2	0.3	0 - 0.9	*
Lymphoid leukaemia	7	1.5	2.4	0.6-4.2	1698	Hodgkin lymphoma	1	0.2	0.3	0 - 0.9	*
Myeloid leukaemia	9	1.9	2.9	1.0-4.7	1320	NHL	11	2.7	3.6	1.5-5.8	990
Leukaemia, other	1	0.2	0.4	0 - 1.1	8403	Gallbladder / bile ducts	11	2.7	3.9	1.6-6.2	881
Kidney	17	3.6	5.5	2.9-8.1	622	Leukaemia	11	2.7	3.6	1.5-5.8	995
Liver	16	3.4	5.1	2.6-7.7	647						
All cancers	477	100.0	156.6	142-171	23	All cancers	411	100.0	139.1	126-153	26
65 years and over											
Males						Females					
	Total	%	ASR	95% c.i.	Risk		Total	%	ASR	95% c.i.	Risk
Lung	314	23.6	283.0	250-316	43	Lung	177	17.2	126.6	106-147	91
Colorectal	193	14.5	174.0	149-200	79	Colorectal	145	14.1	89.7	73.6-106	164
Colon	122	9.2	106.2	86.6-126	150	Colon	95	9.2	57.0	44.3-69.6	290
Rectum	71	5.3	67.9	51.5-84.3	165	Rectum	50	4.9		22.8-42.7	373
Prostate	187	14.1	158.5	135-182	132	Breast	139	13.5	91.0	74.2-108	156
Unknown primary	67	5.0	59.9		223	Unknown primary	90	8.8		46.1-73.1	207
Lymphoma	57	4.3	47.8	35.0-60.7	353	Pancreas	57	5.5		28.1-51.0	354
Lymphoma NOS	2	0.2	1.4	0 - 3.3	*	Ovary	44	4.3		18.5-36.7	510
Hodgkin lymphoma	0		-		-	Leukaemia	39	3.8		15.0-31.3	683
NHL	55	4.1	46.5	33.7-59.2	353	Leukaemia NOS	2	0.2	0.9	0 - 2.0	*
Oesophagus	54	4.1	50.6	36.6-64.7	230	Lymphoid leukaemia	13	1.3	7.7	3.1-12.4	2015
Pancreas	51	3.8		33.7-60.7	216	Myeloid leukaemia	17	1.7	11.5	5.3-17.7	1033
Mesothelioma	48	3.6		31.5-57.7	296	Leukaemia, other	7	0.7	3.1	0.8-5.3	*
Bladder	46	3.5		27.6-51.1	581	Lymphoma	36	3.5		15.2-32.2	498
Stomach	44	3.3		26.7-50.1	353	Lymphoma NOS	3	0.3	1.2	0 - 2.6	*
Leukaemia	41	3.1		24.4-47.2	417	Hodgkin lymphoma	0				-
						NHL	33	3.2	22.5	14.1-30.9	498
All cancers	1330	100.0	1196.7	1130-1263	12	All cancers	1028	100.0	681.6	636-728	20

Notes: - no data; * no data <75 years or risk less than 1 in 10,000

3. Cancer in Western Australia: special topics

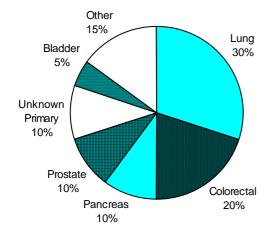
3.1 Death Certificate Only cancers

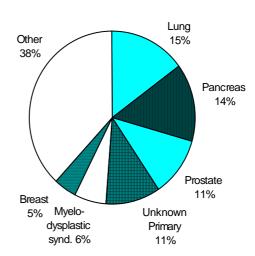
"Death certificate only" (DCO) cancers are those for which no information other than a death certificate is available. Having a low proportion of DCO cases is widely regarded as an important index of data quality in a Cancer Registry. In Western Australia, there were 20 DCO cancers recorded for 2003, slightly fewer than in 2002, representing only 0.2% of all cancers. These included lung cancer (6 cases), colorectal cancers (4), pancreatic cancer (2), prostate cancer (2) and cancers of unknown primary site (2) (Fig. 11).

The Registry continues to use computerized hospital discharge data to eliminate some letter-based enquiries, and an additional 133 were recorded on the basis of a death certificate and a coded hospital discharge record alone, with the date of diagnosis taken from the hospital discharge date. These cases totalled only 65% of the 2002 figure, reflecting a combination of better response to enquiries, and continuing active monitoring of the electronic pathology notification systems. Most common types were lung (20), pancreas (19), prostate (15), cancers of unknown primary site (14), and myelodysplastic syndromes (8). These are shown as "DC & HMDS" cases in Fig. 11 below.

As the discharge data lack a true diagnosis date or address, and basis of diagnosis, these data are treated as being less reliable than those sourced from clinical notes and pathology reports. However, the process appears cost-effective in improving timeliness. As noted in our recent reports, an audit is needed - and is currently under way on a small scale (see **Appendix 1B**).

Figure 11. DCO and "DC & HMDS" cancers, 2003: common cancers
DCO cancers (20)
DC & HMDS cancers (133)





3.2 Historical trends in cancer incidence and mortality

Large changes in the apparent incidence of cancer, or cancer-related mortality, have been apparent in Western Australia at various times, the best example being changes in prostate cancer incidence. Smaller changes are more common, and may result from changes in detection, real changes in the occurrence of disease, completeness of notification or, in the case of mortality, improvements in cancer treatment. Assessment of the significance of changes is made difficult when numbers of cases or deaths are small. In this section, five-year trends for the most common cancer types are presented in graphical form (Figure 12).

Rates are used for trend assessment, rather than numbers of cases, as the population is growing. In the graphs which follow, both sexes are shown where applicable; the ASRs are the agestandardized rates per 100,000 persons of the relevant sex.

Figure 12. Selected cancers, Western Australia, 1999-2003: trends in incidence and mortality rates for males (——) and females (- - - -)

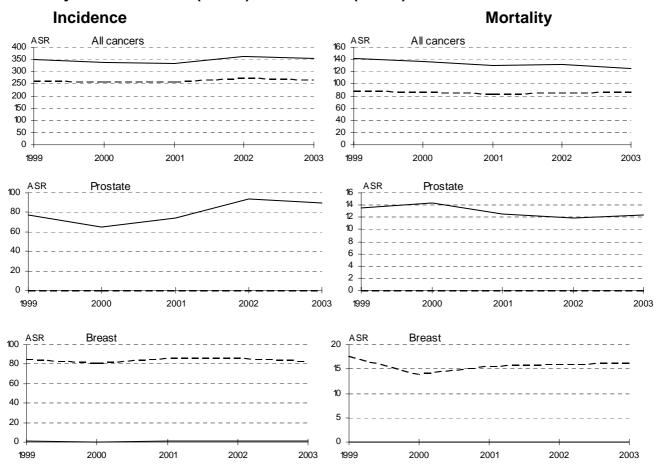


Figure 12 (cont.). Selected cancers, Western Australia, 1999-2003: trends in incidence and mortality rates for males (——) and females (- - - -)

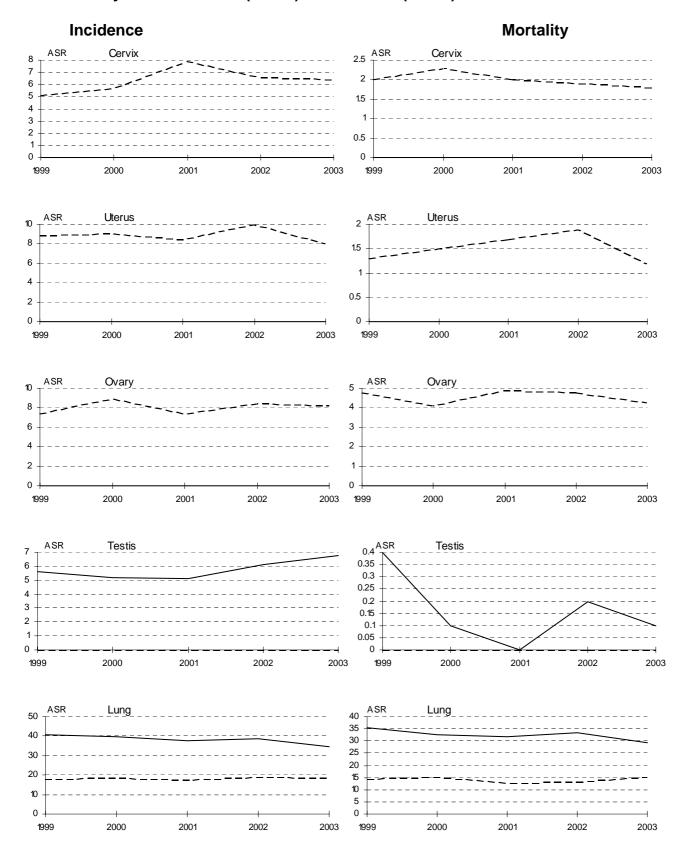


Figure 12 (cont.). Selected cancers, Western Australia, 1999-2003: trends in incidence and mortality rates for males (——) and females (- - - -)

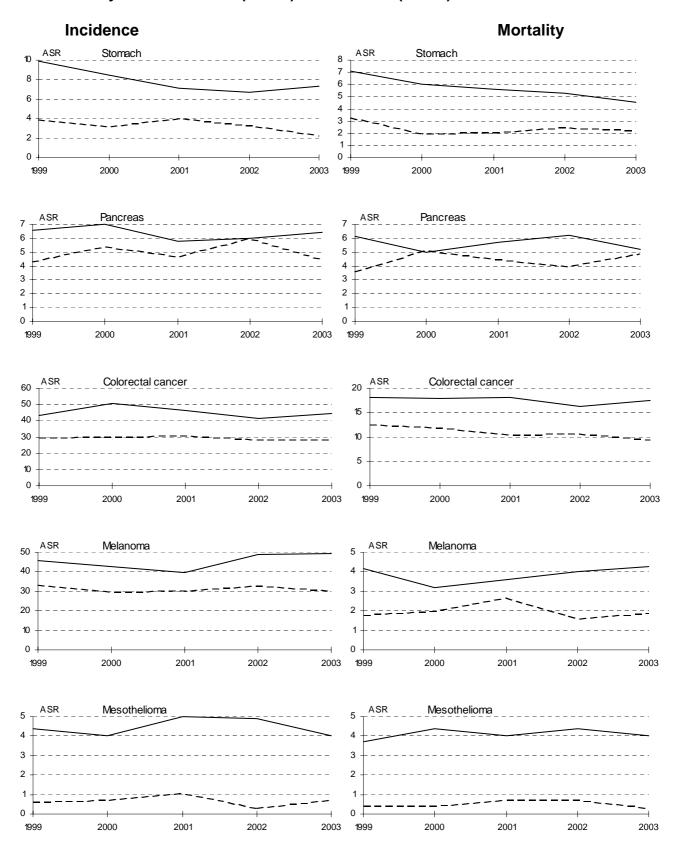


Figure 12 (cont.). Selected cancers, Western Australia, 1999-2003: trends in incidence and mortality rates for males (——) and females (- - - -)

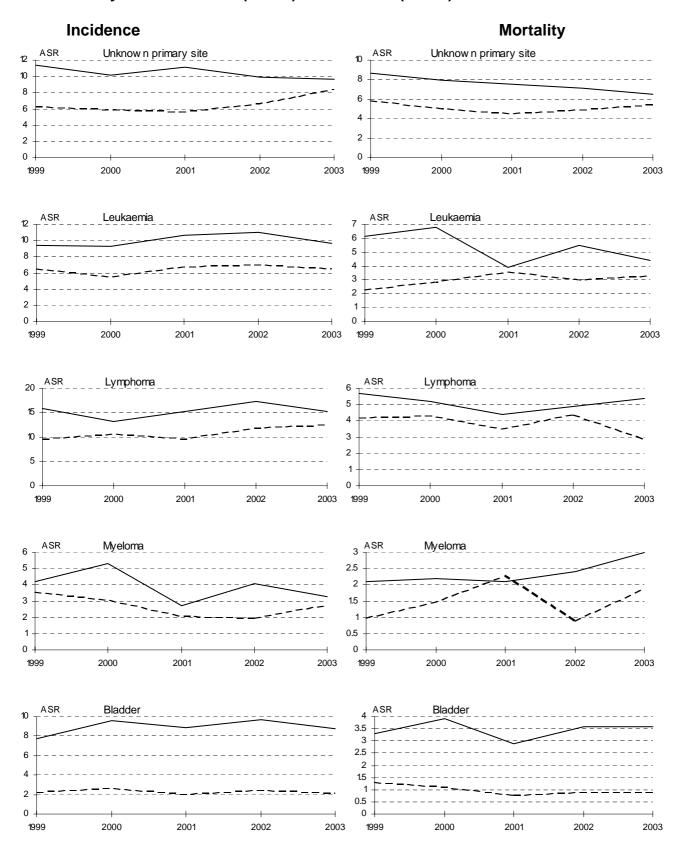
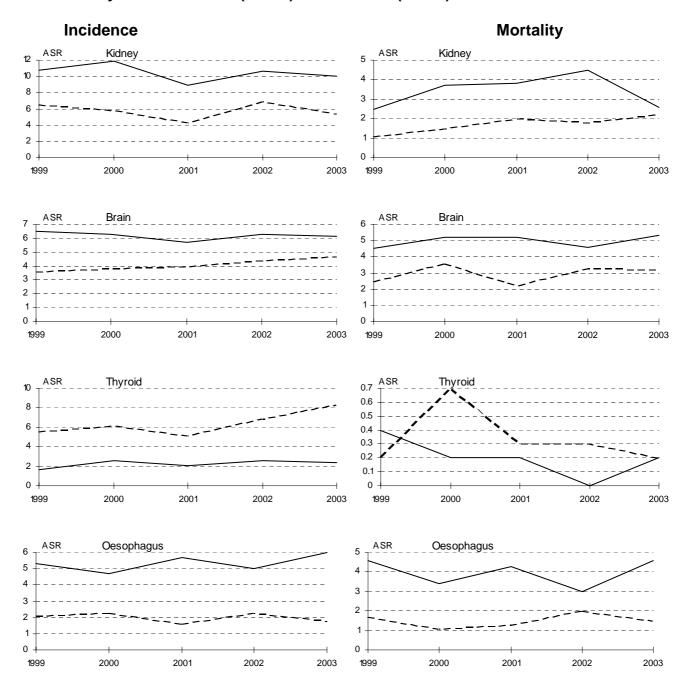


Figure 12 (cont.). Selected cancers, Western Australia, 1999-2003: trends in incidence and mortality rates for males (——) and females (- - - -)



3.3 Revised projections of cancer incidence

3.3.1 Need for projections

There have been many influences which combine to make projections of cancer case numbers and rates somewhat unreliable, as discussed in previous reports. However, such projections are requested and are presented here as the best available basis for prediction of future need for medical services. These do not take into account unknown changes in risk factors or diagnostic practices, and can be adversely affected by past events, and should be used with some caution.

3.3.2 Methods

Using an exponentially-weighted moving average method as described in *Cancer incidence and mortality in Western Australia 2002*, ⁴ updated projections for several cancer types have been revised and are presented here in Tables 4 to 8. Time trend assessment has been conducted using Poisson regression for the calculation of a rate ratio and 95% confidence interval.

3.3.3 Statistical trends 1994-2003

Statistically-significant changes were: decreases in incidence of lung cancer (2.5% per year), melanoma (2.4%), prostate cancer (4.2%) and all-cancers combined (1.3%) in males. There was a significant upward trend in lung cancer incidence in females (1.6% per year); however other changes were not statistically significant.

3.3.4 Newest projections: "all cancers"

Males: On the basis of recent years, a decline in cancer incidence is projected, from an ASR of 354 cases per 100,000 in 2003, to 327 per 100,000 by 2008 (Table 4). However, excessive numbers of prostate cancers marked the beginning of this time period, and data for the most recent years suggest increases in total cancers will occur again.

Females: On the basis of recent years, a non-significant decline in cancer incidence is projected, from an ASR of 268 per 100,000 to 263 per 100,000 by 2008 (Table 4).

3.3.5 Newest projections: other cancers

Prostate cancer in males: A decline in cancer incidence is projected, however as for all-cancers in males, most recent data suggest an increasing trend will return (Table 5).

Breast cancer in females: No significant change is projected on the basis of recent information (Table 5).

Lung cancer: Despite significant 1994-2003 trends for both males (decrease) and females (increase) - no marked change is projected for the period 2004-2008 (Table 6).

Colorectal cancer: No significant change in the rate of colorectal cancer is projected, for males or for females, over the period 2004 to 2008 (Table 7). As previously noted,⁴ numbers may be expected to rise in the short term at least, if Commonwealth plans for establishment of screening programs are implemented.

Melanoma: Despite an increasing incidence trend in males, no significant change in the rate of melanoma cancer is projected, for males or for females, between 2003 and 2008 (Table 8).

Table 4. Cancer incidence, Western Australia, 1994-2003, and projections to 2008: All cancers (males and females)

All cancers	- males				All cancers - females					
Year	Cases	95% c.i.	ASR	95% c.i.	Cases	95% c.i.	ASR	95% c.i.		
1994	4250		418.7	406-431	2945		266.1	256-276		
1995	4097		396.5	384-408	3239		285.2	274-295		
1996	3917		364.9	353-376	3054		259.1	249-268		
1997	3569		319.8	309-330	3124		257.5	247-267		
1998	3655		316.3	305-326	3183		252.5	243-261		
1999	4192		351.1	340-361	3408		263.0	253-272		
2000	4170		338.7	328-349	3408		257.8	248-266		
2001	4247		333.9	323-344	3598		260.1	251-269		
2002	4755		362.3	351-372	3868		274.6	265-283		
2003	4796		354.3	344-364	3857		267.8	258-276		
2004	4874	4673-5076	346.6	336-356	3929	3866-3993	264.1	255-272		
2005	4973	4764-5181	341.8	332-351	4040	3975-4105	263.9	255-272		
2006	5076	4860-5292	336.9	327-346	4155	4088-4221	263.7	255-272		
2007	5181	4955-5408	332.0	322-341	4273	4205-4340	263.5	255-271		
2008	5280	5044-5516	327.2	318-336	4391	4322-4460	263.3	254-271		

Trend 1994-2003: decrease by 1.3% per year (significant).

Trend 1994-2003: NS

Table 5. Cancer incidence, Western Australia, 1994-2003, and projections to 2008: Prostate cancer (males) and breast cancer (females)

Prostate ca	ıncer - males	.			Breast cand	er - females		
Year	Cases	95% c.i.	ASR	95% c.i.	Cases	95% c.i.	ASR	95% c.i.
1994	1425		139.0	131-146	845		81.9	76-87
1995	1250		121.1	114-128	945		88.4	82-94
1996	949		89.1	83-94	879		79.3	73-84
1997	722		63.9	59-68	918		80.6	75-86
1998	716		61.7	57-66	926		79.1	73-84
1999	934		77.4	72-82	1023		85.1	79-90
2000	817		65.1	60-69	1013		81.6	76-86
2001	953		74.6	69-79	1091		86.3	81-91
2002	1225		93.9	88-99	1139		86.8	81-92
2003	1230		90.2	85-95	1119		83.4	78-88
2004	1156	990-1321	80.9	76-85	1162	1130-1194	83.7	78-88
2005	1144	972-1315	77.2	72-81	1198	1165-1232	84.0	79-88
2006	1130	952-1308	73.5	69-77	1235	1200-1270	84.3	79-89
2007	1113	927-1299	69.7	65-73	1272	1237-1308	84.6	79-89
2008	1091	898-1285	66.0	62-70	1310	1274-1346	84.9	80-89

Trend 1994-2003: decrease by 4.2% per year (significant)

Trend 1994-2003: NS

Table 6. Cancer incidence, Western Australia, 1994-2003, and projections to 2008: Lung cancer (males and females)

Lung cance	er - males				Lung cancer - females					
Year	Cases	95% c.i.	ASR	95% c.i.	Cases	95% c.i.	ASR	95% c.i.		
1994	494		47.8	43-52	188		16.2	13-18		
1995	465		43.9	39-47	224		19.2	16-21		
1996	485		44.4	40-48	209		16.9	14-19		
1997	455		40.0	36-43	238		18.9	16-21		
1998	475		40.7	36-44	247		18.3	15-20		
1999	509		40.8	37-44	259		18.2	15-20		
2000	494		39.5	35-43	264		18.5	16-20		
2001	496		37.5	34-40	259		17.4	15-19		
2002	528		38.9	35-42	299		19.3	17-21		
2003	503		34.5	31-37	301		18.8	16-21		
2004	565	526-604	38.4	35-41	298	276-319	18.4	16-20		
2005	573	532-614	37.6	34-40	312	290-334	18.7	16-21		
2006	580	538-622	36.6	33-39	327	305-350	19.0	16-21		
2007	587	543-632	35.6	32-38	343	320-367	19.3	17-21		
2008	594	548-640	34.5	31-37	359	335-384	19.5	17-21		

Trend 1994-2003: decrease by 2.5% per year (significant)

Trend 1994-2003: increase by 1.6% per year (significant)

Table 7. Cancer incidence, Western Australia, 1994-2003, and projections to 2008: Colorectal cancer (males and females)

Colorectal cancer - males					Colorectal cancer - females					
Year	Cases	95% c.i.	ASR	95% c.i.	Cases	95% c.i.	ASR	95% c.i.		
1994	453		44.4	40-48	369		30.5	27-33		
1995	464		44.1	40-48	416		32.8	29-36		
1996	523		48.5	44-52	373		28.6	25-31		
1997	520		46.4	42-50	411		31.6	28-34		
1998	516		44.5	40-48	425		31.8	28-35		
1999	519		43.1	39-46	428		29.6	26-32		
2000	630		50.8	46-54	440		30.1	27-33		
2001	607		46.7	42-50	490		30.9	27-33		
2002	562		41.3	37-44	454		28.2	25-31		
2003	621		44.8	41-48	467		28.5	25-31		
2004	649	634-664	45.0	41-48	497	472-521	29.5	26-32		
2005	672	657-687	45.0	41-48	509	484-534	29.3	26-32		
2006	697	681-712	44.9	41-48	522	496-547	29.0	26-31		
2007	723	707-739	44.8	41-48	535	509-562	28.8	26-31		
2008	751	734-768	44.9	41-48	549	522-576	28.6	26-31		

Trend 1994-2003: NS

Trend 1994-2003: NS

Table 8. Cancer incidence, Western Australia, 1994-2003, and projections to 2008: Melanoma (males and females)

Melanoma- males					Melanoma- females				
Year	Cases	95% c.i.	ASR	95% c.i.	Cases	95% c.i.	ASR	95% c.i.	
1994	405		40.8	36-44	344		32.9	29-36	
1995	461		46.2	41-50	343		32.3	28-35	
1996	402		38.3	34-42	302		28.4	25-31	
1997	384		35.1	31-38	286		25.4	22-28	
1998	408		35.7	32-39	316		26.9	23-30	
1999	531		46.0	42-49	390		33.4	29-36	
2000	506		42.7	38-46	361		30.0	26-33	
2001	486		39.5	35-43	384		30.4	27-33	
2002	616		49.0	45-52	428		33.2	30-36	
2003	650		49.4	45-53	403		30.5	27-33	
2004	586	541-632	43.9	40-47	409	377-440	30.5	27-33	
2005	616	569-662	44.7	41-48	421	388-453	30.6	27-33	
2006	647	598-695	45.5	41-49	433	399-466	30.7	27-33	
2007	679	630-728	46.3	42-49	445	411-480	30.8	27-33	
2008	713	662-763	47.2	43-50	459	423-494	30.8	27-33	

Trend 1994-2003: increase by 2.4% per year (significant)

Trend 1994-2003: NS

3.4 Melanoma of the skin (cutaneous melanoma) 1994-2003

Melanoma is relatively common in Western Australia, and again in 2003 ranked second in males and third in females among the most common major cancer types in either sex (Table 1). There were 650 new invasive melanoma diagnoses in males (ASR 49 per 100,000) and 403 in females (ASR 30). In the same year, there were 58 melanoma-related deaths in males and 28 in females. Melanoma was the most common cancer type diagnosed in persons aged between 15 and 39 years, and the second most common type in both sexes in age range 40 - 64 years (Table 2).

Melanoma is less often fatal than many other cancers, and as a cause of cancer-related death, ranked only 11th in males and 15th in females in 2003 (Table 1).

Many melanomas are now diagnosed at a time when they have not invaded deeply into the skin. In addition to the persons with invasive melanoma reported for 2003, there were 672 additional registrations of *in situ*, or pre-invasive, melanoma. These represent 39.0% of all melanomas recorded. The proportion of all melanomas that are diagnosed at this early stage has generally increased over time since 1994-1996, when it was only 21.9% of the total.

The Registry records the thickness (Breslow⁵) and level of invasion (Clark⁶) of histologically-diagnosed melanomas. These two measures are correlated to some degree but vary with location on the body, as described in the Registry's report on 1997 data.⁷ Summarized data for the period 1994-2003 are shown in Table 9. The thickness distribution between the categories shown in this table has remained relatively stable over the last 10 years, with almost 70% of invasive melanomas being less than 1mm thick. Mean and median thickness have not changed in any consistent fashion. However, the proportion of cases with unknown or un-assessed thickness has continued to decrease, from 4.5% in 1994-1996 to 1.8% in 2002-2003.

Table 9. Cutaneous melanoma, Western Australia, 1994-2003: Breslow thickness (invasive histologically-confirmed cases only)

		Year of diagnosis									
Thickness	1994-1996		1997-1	1997-1999		2000-2001		2002-2003			
(mm)	Cases	(%)	Cases	(%)	Cases	(%)	Cases	(%)			
0.01 - 0.49	778	34.6	793	34.4	609	35.3	750	35.8			
0.50 - 0.99	731	32.5	750	32.5	570	33.0	668	31.9			
1.00 - 1.99	333	14.8	365	15.8	281	16.3	345	16.5			
>= 2.00	305	13.6	336	14.6	229	13.3	292	14.0			
Unknown/ not assessed	101	4.5	63	2.7	38	2.2	38	1.8			
Total	2248	(100)	2307	(100)	1727	(100)	2093.0	(100)			
Median (mm)	0.6		0.6		0.6		0.6				
Mean (mm)	1.12		1.19		1.10		1.20				

As an alternative to Breslow thickness, proportions of melanomas with various Clark levels are shown in Table 10, for males and females combined (data for males and females were shown separately in *Cancer incidence and mortality in Western Australia, 1999 and 2000,* 8 and were very similar). The 2003 data are very similar to those of previous years. Thus, considering both level and thickness, the only change in recent years has been an improvement in data quality, with no indication that melanomas are being diagnosed at an earlier stage of their development.

Table 10. Cutaneous melanoma, Western Australia, 2003: Clark level (invasive and *in situ* histologically-confirmed cases only)

Clark level	Cases	%	% of invasive cases
l (in situ)	658	38.5	-
II	404	23.6	38.4
III	245	14.3	23.3
IV	337	19.7	32.0
V	39	2.3	3.7
Unknown/ not assessed	27	1.6	2.6
Total	1710	(100)	(100)

This registry has previously reported that melanoma in older persons tended to be thicker and have a higher Clark level, than in younger persons. This situation persists, and gives cause for continuing concern. In persons aged 75 or more, 26% of tumours were more than 2mm deep at diagnosis, compared with only 4% in the 15-39 years age range. The proportion with melanomas less than 1mm thick decreased from 78% at ages 15-39, to 54% over the age of 75 years (Table 11). These changes with age are similar in males and females. Coexisting illness and other physical factors may limit treatment options in the elderly. Accordingly, increased efforts at earlier melanoma detection in the elderly may be justified.

Table 11. Cutaneous melanoma, Western Australia, 2003: thickness by age group, for males and females (invasive histologically-confirmed cases only)

Tumour		Age at diagnosis						
thickness	15-39	40-59	60-74	75 +	All			
	(%)	(%)	(%)	(%)	(%)			
0-0.49mm	40.9	36.5	35.4	31.6	35.9			
0.5-0.99mm	37.1	36.5	29.6	22.5	32.0			
1.0-1.99mm	17.6	15.5	20.3	19.8	18.0			
>=2.0mm	4.4	11.4	14.8	26.2	14.0			
Total	(100)	(100)	(100)	(100)	(100)			
Mean (mm)	0.73	1.12	1.31	1.87				

3.5 Incidence of in situ neoplasms

In situ neoplasms are those detected at a stage such that neoplastic cells, although cytologically abnormal and morphologically similar to those seen in invasive cancers, are still confined to the tissue layer of origin, and have not penetrated beyond a basement membrane. This terminology is most appropriately restricted to neoplasms of "epithelial" surfaces such as the skin (external) or mucosal surface of internal organs - i.e. carcinomas - and has no real meaning in the context of the lymphomas/leukaemias, nor for soft-tissue tumours such as sarcomas.

The most commonly-reported *in situ* neoplasm affecting both males and females was melanoma of the skin (Table 12), with 672 cases, higher than the 640 cases reported for 2002. Other common *in situ* tumour types were cervical cancer (866 cases), bladder cancer (299 cases) and breast cancer (214 cases).

These data include only the first *in situ* tumour of any particular type in a person. There are large numbers of second or subsequent *in situ* melanomas, breast and cervical neoplasms and transitional cell carcinomas of the bladder and urinary system, recorded but not presented here, indicating a significant burden of morbidity.

Most *in situ* neoplasms are seen as an indicator of risk for the development of invasive cancer, and screening programs which detect *in situ* neoplasms such as those of the breast or cervix, are thought to do far more for the reduction of long-term morbidity than the number of detected invasive cancers alone would suggest.

Table 12. In situ tumours, Western Australia, 2003: incidence

Males				Females			
Tumour type	Cases	%	ASR	Tumour type	Cases	%	ASR
Melanoma	391	53.9	30.1	Cervix	866	56.6	85.0
Bladder	235	32.4	16.3	Melanoma	281	18.4	21.5
Colon	21	2.9	1.4	Breast	214	14.0	16.7
Rectum	16	2.2	1.1	Bladder	64	4.2	4.0
Kidney	12	1.7	0.7	Vulva/vagina	30	2.0	2.4
NMSC	10	1.4	0.7	NMSC	25	1.6	1.7
Eye	9	1.2	0.7	Colon	13	8.0	0.7
Larynx	7	1.0	0.5	Rectum	13	8.0	0.9
Lip	5	0.7	0.4	Lip	9	0.6	0.6
Oesophagus	5	0.7	0.4	Eye	3	0.2	0.1
Other	15	1.3	0.8	Other	12	1.3	0.9
All in situ tumours	726	(100)	53.4	All in situ tumours	1530	(100)	134.6

*NMSC - skin (non-melanoma/ SCC/ BCC)

3.6 Impact of coding scheme changes on cancer data: update

As in our report for 2002,⁴ several conditions are now tabulated as "cancers", including polycythaemia rubra vera, refractory anaemias and myelodysplastic syndromes. The reporting of persons with leukaemia, with a prior diagnosis of one of these new "cancers", may be problematic for Registries without access to historical records.

Reporting rules promoted by the International Association of Cancer Registries (IACR) have been discussed but may not yet have been implemented Australia-wide. In WACR databases, the current IACR rules have been implemented, and at the time of writing, in addition to the 187 leukaemias reported for 2003 (Table 1) there were 31 further leukaemias not "counted" due to a prior myelodysplasia or similar condition, reported separately. These will now appear in the appropriate year whenever updated historical trends are presented.

3.7 Cancer in Aboriginal Australians, 1999-2003

Cancer incidence

Although Aboriginal males do not demonstrate the high rate of prostate cancer seen in the State as a whole, WACR data continue to show they have a greater relative incidence of lung cancers and cancers of unknown primary site in particular. Melanoma is relatively uncommon, but other cancers - in males mesothelioma, and in females cervical cancer - continue to occur at rates well above those in the W.A. population as a whole.

It is unlikely that treatment offered by clinicians depends upon indigenous status - but late presentation and social disadvantage must at least be considered as possible reasons why cancers of unknown primary site in 2003 are so much more common among Aboriginal people, in males (ASR 18.5 *vs* 9.6 for the whole population) and in females (24.8 *vs* 8.4). More remains to be done, to address this discrepancy. Table 13 shows the most common incident cancers by sex, based on data for 2003.

Variation with age

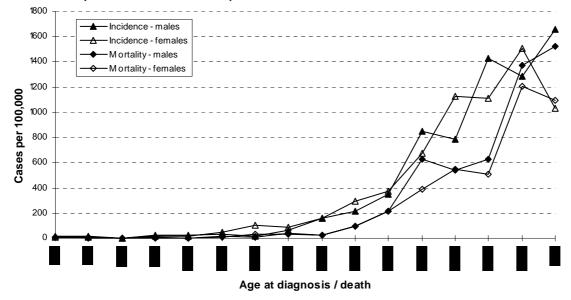
As in the general population, incidence and mortality rates in Aboriginal Australians rise with age after early childhood (Fig. 13). However, the rates for males and females after the age of about 50 years appear more similar to each other, than in the whole population, in which there is a general predominance among males (largely due to prostate cancer) in older people. Improving screen-detection of pre-invasive or *in situ* cervical cancer may address some of this imbalance: in 1999-2003, the average incidence of invasive cervical cancer in Aboriginal women was 4 times higher than in the general population (ASR 28.5 per 100,000 compared with 6.4).

Table 13. Common cancers in Aboriginal Australians, Western Australia 2003.

Cancer type	Cases	ASR	95%c.i.	Risk*	ASR2**
Males					_
Lung	7	39.4	9.1-69.8	20	62.8 (10.9-115)
Unknown primary	4	18.5	0.3-36.7	50	23.7 (0.3-47.1)
Oesophagus	3	22.4	0 - 47.8	38	37.0 (0 - 81.0)
Liver	3	19.5	0 - 41.8	51	34.2 (0 - 76.2)
Prostate	3	22.1	0 - 47.1	28	27.8 (0 - 59.9)
Lymphoma	3	13.0	0 - 30.2	62	13.3 (0 - 32.5)
Floor of mouth	2	9.0	0 - 21.6	104	11.2 (0 - 26.9)
Stomach	2	10.0	0 - 25.4	88	11.2 (0 - 27.9)
Thyroid	2	7.1	0 - 17.1	152	9.3 (0 - 22.6)
Other	8	41.6	-	-	-
All cancers	37	202.6	134-272	4	278.2 (177-380)
Females	Cases	ASR	95%c.i.	Risk*	
Cervix	8	28.5	7.6-49.3	37	32.3 (8.5-56.2)
Breast	5	27.3	3.0-51.6	24	35.4 (3.6-67.1)
Unknown primary	4	24.8	0.5-49.0	28	42.0 (0 - 85.8)
Leukaemia	4	15.1	0 - 31.3	59	16.3 (0 - 34.8)
Lung	3	13.9	0 - 30.1	71	15.5 (0 - 33.4)
Thyroid	3	7.7	0 - 16.5	171	8.7 (0 - 18.6)
Oesophagus	2	8.6	0 - 20.5	103	11.3 (0 - 27.0)
Gallbladder & bile ducts	2	12.7	0 - 30.3	54	14.2 (0 - 33.8)
Skin (not melanoma/SCC/BCC)	2	6.8	0 - 16.4	198	7.2 (0 - 17.4)
Uterus	2	6.9	0 - 17.0	131	8.8 (0 - 21.9)
Other	7	31.1	-	-	-
All cancers	42	183.4	125-242	5	228.2 (151-305)

 $^{^{\}star}$ Lifetime risk to age 75, expressed as 1 in n

Figure 13. Age-specific all-cancers incidence and mortality rates in Aboriginal Australians, Western Australia, 1999-2003.



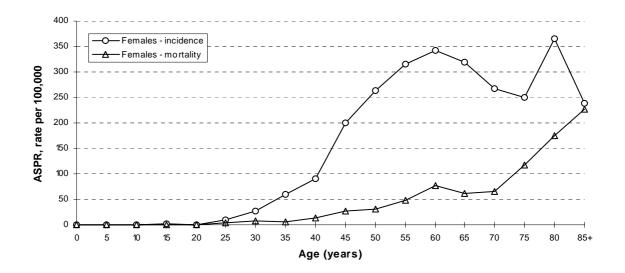
^{**} ASR using Aust. 2001 population standard

3.8 Breast cancer and breast cancer screening in Western Australian women

In 2003, there were 1119 cases of breast cancer recorded in Western Australian women. Of these, 98.7% were confirmed microscopically (histology or cytology), 0.6% were diagnosed clinically, and 0.5% were known to the Registry only from death and/or hospital information. Breast cancer was the most common cancer and the most common cause of cancer-related death in females (Table 1). Breast cancer incidence has been relatively stable in the last five years to 2003 and neither incidence nor mortality showed any significant change in the period 1999-2003 (Fig. 12). Based on data for 2003, 1 in 11 women could be expected to develop breast cancer before the age of 75, and 1 in 60 could be expected to die as a result of breast cancer (Table 1).

The variation in incidence and mortality rates with age is shown in Fig. 14. A "dip" in the incidence rate graph at the 70-79 years age group is a common feature in recent Western Australian data. This pattern was not seen in any year prior to the commencement of breast screening activity in Western Australia in 1989.

Figure 14. Breast cancer, Western Australia, 2003: age-specific incidence and mortality rates in females



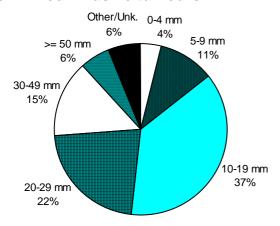
Breast cancer tumour size and lymph node status

Since 1997 the registry has recorded, where possible, primary tumour size and numbers of affected lymph nodes, for histologically-confirmed breast cancer cases. These measures are thought to give some guide to the likely outcome, and do influence choice of surgical procedure.

As noted in previous reports,⁴ there are persisting difficulties with the collection of data about negative axillary lymph node biopsies (i.e. those in which no nodes were found to be affected). In some of the charts which follow, the "Unknown" and "Not applicable" (not assessed) categories may contain some cases in which no lymph nodes were assessed, despite histological assessment of the (presumed) primary tumour.

Approximately 52% of tumours were less than 20mm in diameter at diagnosis, and only 6% larger than 50mm (Fig. 15). The distribution is essentially the same as seen since 1997. The median size, for tumours where data were available, was 18mm for 2003, unchanged over the last 5 years. Correlation with lymph node status is shown in Table 14.

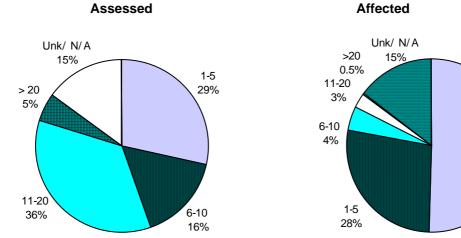
Figure 15. Breast cancer, Western Australia, 2003: size of histologically-confirmed invasive tumours.



Information about numbers of affected lymph nodes was available for 85% of histologically-confirmed invasive breast cancer cases in 2003. In 50% of cases, no nodes were found to be affected. Of the cases for which data were available, 43% had 10 or more nodes assessed, decreased from 69% in 2000, and further reduced from 48% in 2002.

Based on pathology reports, there appears to have been a reduction in the numbers of lymph nodes assessed since 1999, when the mean number of nodes reported was 13.8, to 2003, when the mean was 7.9 (the median was 13 in 1999, and 7 in 2003). Cases for whom only 1-5 nodes were assessed have increased from 4.5% in 1998 to 29% in 2003 (Fig. 16). Advice from clinicians suggests these changes are due to an increasing use of sentinel lymph node biopsy and a decline in axillary dissection.

Figure 16. Breast cancer, Western Australia, 2003: number of lymph nodes assessed, and number of affected nodes, for histologically-confirmed tumours.



Western Australian data for previous years confirm earlier suggestions that the detection of breast cancer while the tumour is small reduces the risk that lymph nodes will already be affected at the time of diagnosis. Surgeons may rely on such tumour size data when deciding whether to perform sentinel node biopsy only, or axillary dissection.

Numbers of tumour-affected lymph nodes were higher for tumours of larger diameter (Table 14). Most small tumours 0-4mm in size had no affected nodes (92%), while 84% of cases with tumours 50mm or larger had some cancer-affected nodes.

Table 14. Breast cancer, Western Australia, 2003: tumour size and number of tumour-affected lymph nodes

	Lymph nodes affected by cancer												
Tumour	None		1-5	1-5		6-10		11-20		> 20		Total	
size (mm)	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	(%)	
0-4	24	92.3	2	7.7	0	-	0	-	0	-	26	(100)	
5-9	78	83.0	15	16.0	1	1.1	0	-	0	-	94	(100)	
10-19	245	67.9	111	30.7	3	0.8	2	0.6	0	-	361	(100)	
20-29	119	54.1	81	36.8	12	5.5	8	3.6	0	-	220	(100)	
30-49	64	41.8	62	40.5	19	12.4	8	5.2	0	-	153	(100)	
50 or more	9	15.8	24	42.1	12	21.1	10	17.5	2	3.5	57	(100)	
AII	539	59.2	295	32.4	47	5.2	28	3.1	2	0.2	911	(100)	

(Includes only cases for which both size and node information were available)

None

50%

Breast cancer screening: comparison of BreastScreen WA and WACR data

In 2003, the Cancer Registry and BreastScreen WA carried out a data reconciliation process covering the years 1999-2002, which resulted in some improvement being made to 82 WACR records (about 2%); these included basis of diagnosis, tumour size and lymph node data changes. This has been extended to include 2003 data, in order to determine the proportion of breast cancer diagnoses resulting from BreastScreen activities, and to compare the characteristics of BreastScreen-detected cases with others.

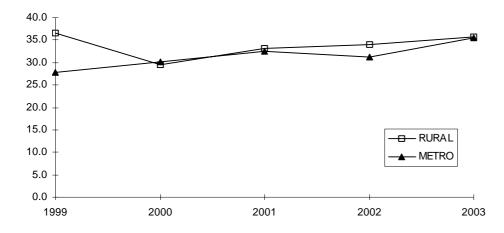
Over the period 1999-2003, BreastScreen was responsible for the detection of 28% of all invasive breast cancers in Western Australian women, and 55% of *in situ* tumours. For the whole period 1999-2003, proportions of breast cancers detected by BreastScreen in rural and metropolitan areas were compared. For both invasive and in situ tumours, the proportion that were BreastScreen-detected was higher in rural areas than in the Perth metropolitan area (Table 15) - presumably related to the documented higher screening participation rates in rural areas.

Table 15. BreastScreen-detected breast cancers in rural and metropolitan areas, as a percentage of all Western Australian cases, 1999-2003

Cancer type	Rural	Metro	All
Invasive	30	28	28
In situ	57	54	55
All	34	32	32

For invasive and *in situ* tumours combined, the proportion that were BreastScreen-detected in the metropolitan area has risen steadily over the period, while rural figures have varied more (Fig 17).

Figure 17. BreastScreen-detected breast tumours by year and region, as percentage of all W.A. breast tumours (*in situ* and invasive) - 1999-2003



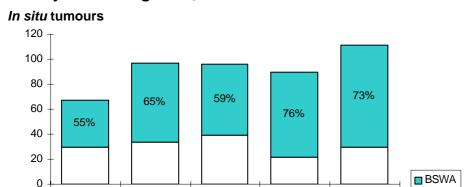
Active recruitment for screening mammography is usually limited to women aged 50-69 years, and the proportion of BreastScreen-detected tumours is higher in this age range than it is overall. Changes with time are shown separately for invasive and *in situ* tumours in Fig. 18

Figure 18. BreastScreen (BSWA)-detected breast tumours by year: women aged 50-69 years at diagnosis, 1999-2003

2002

2003

□ Other

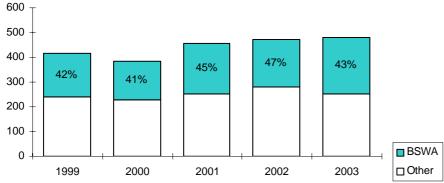


2001

Invasive tumours

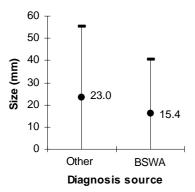
1999

2000



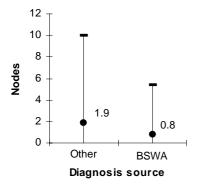
In 2003, as in previous analyses, BreastScreen-detected invasive cancers were smaller (mean 16.5mm, median 15mm) than others (mean 23.7mm, median 20mm). These differences were even greater for the 50-69 year age range (Fig. 19). For these analyses, assumptions of statistical normality are not satisfied; however the non-parametric Kruskal-Wallis test indicates the difference to be statistically-significant (p < 0.00001).

Figure 19. Size of primary invasive breast cancers, Western Australia, 2003: BreastScreen-detected tumours and others (ages 50 - 69 years).



Throughout the period 1999-2003, BreastScreen-detected invasive tumours were less likely to have tumour-affected lymph nodes (31.7%) than others (47.5%), and the average number of affected lymph nodes was smaller (p < 0.00001) (Fig. 20). The total numbers of lymph nodes assessed was similar (p = 0.99) for BSWA cases (mean 11.5) and others (mean 11.8).

Figure 20. Number of tumour-affected lymph nodes - BreastScreen-detected tumours and others, 1999-2003 (ages 50 - 69 years).



In summary, BreastScreen WA continues to detect a significant proportion of WA-diagnosed breast cancers, and in particular accounts for a greater proportion of the *in-situ* tumours. For invasive tumours, BSWA-detected tumours were smaller, and fewer had tumour-affected lymph nodes. Coverage of the Western Australian population, currently estimated at 56% of the "target" age range of 50-69 years, appears to be stable or increasing, but aims for a 70% coverage.

Service-related data exchange and database reconciliation has been shown to be useful in improving data quality and facilitated this assessment of the impact of the screening programme.

4. Mesothelioma in Western Australia, 1960 to 2003: Data from the W.A. Mesothelioma Register

4.1 Introduction

(Dr A W Musk, Respiratory Physician and Chair, W.A. Mesothelioma Register Committee.)

This section of this report presents an updated overview of mesothelioma statistics for Western Australia, the first in-depth analysis since the 1996 report, *Malignant mesothelioma in Western Australia 1960 to 1994. Data from the WA Mesothelioma Register.*¹⁰

Malignant mesothelioma is a tumour which arises from the single layer of mesothelial cells which line the pleural cavities of the chest or the peritoneal cavities of the abdomen and cover the viscera within these cavities. When seen in profile in histological section the mesothelium can appear insignificant, yet its area is greater than the external surface of the body. In addition to functioning as a limiting layer, the major role of the mesothelium in health is to provide a frictionless surface that facilitates gliding movements within the cavities. Lubrication is provided by a small amount of fluid. Similar mesothelial surfaces line the cardiac chamber (the pericardium) and the synovial joints, and cover the testicles (tunica vaginalis). Since malignant mesothelioma arises from these cells it may therefore be found in any of these sites although it is rare in the tunica vaginalis and the pericardium, and most common in the pleural cavity.

Patients with malignant pleural mesothelioma usually present with chest pain and breathlessness. Most commonly the diagnosis is suspected from chest radiography which reveals a pleural effusion or pleural mass. Malignant peritoneal mesothelioma most commonly presents as ascites or an abdominal mass, frequently with abdominal pain. The diagnosis of malignant mesothelioma is best established by means of identifying malignant cells of mesothelial origin by cytology or biopsy from these sites (or at post-mortem).

Various treatment modalities for malignant mesothelioma have been tried for many years including radical surgery, chemotherapy and radiation therapy. Only recently have newer chemotherapeutic agents been shown to be more effective in improving survival than symptomatic therapy only. As a result, novel approaches to treatment have been developed. Malignant mesothelioma is uniformly fatal. Characteristically the cancer causes local problems in the chest or abdomen by compression and invasion of local structures rather than distant problems through metastatic disease, although widespread metastases are occasionally seen.

The median duration of survival of patients with mesothelioma is about nine months from presentation. This has been shown in numerous case series. Patients younger at presentation have a better outlook than older patients and patients with peritoneal mesothelioma do not seem to survive as long as patients with pleural mesothelioma although there is great overlap.

As outlined in this review of the WA Mesothelioma Register most patients with mesothelioma have a history of exposure to asbestos of one type or another. The absence of asbestos exposure in the history of some patients raises the possibility that other agents may also cause the disease. In Turkey, mineral fibres similar to asbestos (erionite) are known to cause mesothelioma. In Canada subjects exposed purely to chrysotile (white asbestos) uncontaminated by amphibole (crocidolite, amosite, tremolite etc) do not appear to be at

increased risk of mesothelioma. However many chrysotile deposits around the world are contaminated by amphiboles.

The Western Australian Mesothelioma Register was originally established by Dr James Elder to provide an accurate record of all cases of mesothelioma in Western Australia and identify sources of asbestos exposure in order to better understand the relationship between exposure to asbestos and disease in this State. It was also established to identify more accurately cases in whom there was no exposure to asbestos, but possible exposure to other agents which may be responsible for the disease, and allow understanding of the burden of the disease in the community in the past and in the future.

4.2 Acknowledgments

The preparation of this report has been facilitated by the assistance and cooperation of the past and current members of the W.A. Mesothelioma Register Committee.

Current Committee members are:

Dr N de Klerk, Biostatistics/Epidemiology (Institute for Child Health Research, University of Western Australia)

Dr E Lee, Occupational Health (Sir Charles Gairdner Hospital)

Dr W Musk, Respiratory Medicine (Sir Charles Gairdner Hospital)

Ms N Olsen, Register Research Officer (Public Health, University of Western Australia)

Dr K Shilkin, Pathology (Path Centre)

Dr T Threlfall, Principal Medical Officer / Manager, Western Australian Cancer Registry (Secretary)

4.3 Mesothelioma: Western Australia in a world context.

There has long been a special interest in mesothelioma in Western Australia because of the operation of an asbestos mine in the north of the state. The earliest published report of an association between asbestos exposure and pleural mesothelioma in 1960¹¹ was followed in 1962 by the detection of the what was, at the time, thought to be the first non-South African asbestos-related case in a former asbestos miner at Wittenoom, Western Australia. Subsequently, a case diagnosed in Victoria has been reported to be the earliest known Australian case. Since early reports of such associations, the numbers of mesothelioma cases detected throughout the world has steadily increased, and it has become one of the best-known examples of a life-threatening occupation-related disease.

Data from Australian studies have long indicated that all States, and Western Australia in particular, have incidence rates which are high in comparison with those reported in other countries. A review of all known Australian cases to 1981¹⁴ noted, with some discussion of deficiencies in data quality in previous years, an increase in apparent incidence rates, especially in men since about 1964; prior to this time, rates had been similar in men and women, but by 1980 the male: female rate ratio had risen to seven to one.

Ferguson et al¹⁷ in a 1987 review of the Australian Mesothelioma Surveillance program found Australia-wide rates of 15.1 per million person-years for 1982-1985 to be markedly higher than those in European countries, and marginally higher than reports for the United Kingdom. Their review highlighted the problems in comparing rates based on different age groups and reporting methods, and stressed a need for an adequate surveillance program to be based on a wide network with multiple sources, rather than rely entirely on death notifications as has been the case in some areas in the past.

Annual incidence of mesothelioma in populations without asbestos exposure has generally been reported to be 1 - 2 cases per million. A review of rates from various countries, with recalculation to enhance comparability, showed the highest incidence figures to be in males in countries where blue asbestos (crocidolite) has been produced (in Australia and South Africa in particular). Rates in Western Australian men (42 per million in 1980 - 1982) were more than double those in any other country for which rates were reported. Population-based rates of mesothelioma in Aboriginals in the Pilbara area of Western Australia, where many of the men were occupationally involved in transport of raw asbestos, have been reported to be one of the highest recorded (250 per million per year for ages 15 years or more).

Occupational cohort studies have reported far higher rates, rising steeply with time since presumed exposure, for at least 30 years.¹⁹ The asbestos mining operations at Wittenoom in Western Australia between 1937 and 1966 have been the source of a number of cohort studies, some of which continue.²¹ In one study, a cohort based on an estimated 6,000 former employees of a single company showed rates of up to 7,000 cases per million per year at over 35 years since "exposure".¹⁹ It has been predicted that the cohort would produce a peak of 25 mesothelioma cases per year by the year 2010²², however there have been differences of opinion expressed in the literature as to the validity of such predictions given the problems of both mathematical modelling and "loss to followup".^{23,24}

In addition to considerable attention from researchers, mesothelioma in Western Australia has been the subject of governmental concerns, and controversy in the mass media. This has largely focussed on the occupational nature of the disease and the consequent issue of financial compensation, and Government moves towards the total closure of the Wittenoom townsite because of a perceived hazard due to the past extensive use of asbestos-contaminated mining tailings in the area. Legal issues have added to the considerable public controversy surrounding predictions concerning the likely ongoing legacy of work-related cases, however these cannot be dealt with in this report.

On the grounds of previously-reported associations of lung cancer and asbestosis with mining work, Western Australian health authorities were already expressing concern about conditions in and around the asbestos mining operation at Wittenoom as early as 1948. ¹³ The new findings of the 1960s concerning mesothelioma added to efforts which saw the closure of mining operations in 1966, and resulted in the first serious attempts to close the townsite during the period from 1980 - 1983. A number of organizations have, on Government advice, ceased promotion of the Wittenoom townsite as a tourist destination since early 1995. At the time of this Register's last report, ¹⁰ closure had only just appeared a reality, and demolition work at Wittenoom was in progress at the time of writing of that report. However, some residents remain and the occasional efforts of journalists to promote the area as a tourist destination continue to arouse public criticism. ^{25,26}

4.4 Mesothelioma data collection in Western Australia

4.4.1 The W.A. Mesothelioma Register

The W.A. Mesothelioma Register had its beginnings in a number of case lists maintained in various Branches of the Department of Public Health. The register maintained in the Occupational Health, Clean Air and Noise Abatement Branch was the first in Australia. The Register as it is currently known was commenced in June 1976 after amalgamation of the two main sources. At that time, moves towards a national mesothelioma surveillance program highlighted the need for a case review committee in each State, and the first meeting of the W.A. Mesothelioma Register Committee was held in December 1978.

The information collected for each case increased over time, from simple descriptive summary data through various questionnaires administered by persons at the Medical Centre, the Department of Occupational Health, Safety and Welfare of Western Australia (DOHSWA - now Worksafe Western Australia) and the Department of Health (WA). In 1986, responsibility for mesothelioma data collection and the Register was transferred to the Western Australian Cancer Registry.

4.4.2 Notification and recording of malignant mesothelioma cases

In Western Australia, reporting of cancer cases by pathologists is mandatory, and governed by the Health (Notification of Cancer) Regulations 1981 (see Appendix 2E). Many cases are notified by pathologists, but some first come to the Register's attention via death certificates, and some via treating physicians.

4.4.3 Mesothelioma Register Committee

The **Mesothelioma Register Committee** meets periodically to consider collected information about probable mesothelioma cases, with a view to determining whether they should be confirmed as a WA case on the Mesothelioma Register, excluded as non-mesothelioma or non-WA resident, or given "suspected" status when a definitive decision cannot be made and no more information is ever likely to be found. Current members of the Committee include a pathologist, a respiratory physician, an occupational health physician, an epidemiologist, the Register's research officer, and the Principal Medical Officer of the Western Australian Cancer Registry.

4.4.4 Mesothelioma databases

Prior to 1995, separate mesothelioma databases were maintained at the QEII Medical Centre/University of WA Department of Public Health, and at the Health Department of W.A.. Duplicate data entry at these two sites ceased in 1995, and the single Mesothelioma Register was relocated to what is now Information Collection and Management (ICAM) in the Department of Health, where the Western Australian Cancer Registry resides. An extract from the Register database is used by the Research Officer and by researchers in the Department of Respiratory Medicine at the QEII Medical Centre. Formerly, Worksafe WA were also provided with an extract to facilitate the reconciliation of details with their reports received from independent sources however this has not been requested since late in 2001.

Information is collected by the Mesothelioma Register Research Officer who is jointly funded by the Department of Respiratory Medicine at the QEII Medical Centre, and the Department of Health. The Research Officer also performs data entry, organizes case summaries and review lists for Committee meetings, and updates the Register in light of decisions made at the meetings. Technical and privacy considerations dictate that all data entry continues to be carried out in the Cancer Registry, where confidential paper records are stored. Access to named information from the Register for the purposes of research is permitted, subject to approval from the Minister for Health's Confidentiality of Health Information Committee.

4.4.5 Database design issues and changes

The Mesothelioma Register is a database which covers a long time period, during which there have been many changes in data collection and in the degree of detail available; accordingly, some information - e.g. "Occupation: goldminer" - was collected in a way that precluded its merging with more detailed information such as a chronological employment history.

Another difficulty is that as mesothelioma may have an exceptionally long "lead time" of as much as 50 years between exposure and diagnosis, some history will be based on very poor recollection, and "unknown" or vague data have had to be allowed, at the database design stage, in data fields for which one would normally expect precise information, such as a date.

The most recent version of the "standard questionnaire" used was a document of 30 pages, which included detailed questions on all aspects of possible residential and occupational exposure to asbestos and a variety of other substances. However, while such detailed information could be useful, the proportion of cases for which the information could be obtained has declined in recent years, so that incompleteness of the data compromised efforts to do detailed analysis. There was an increasing proportion of people declining to be interviewed at length, and this with pressures on staffing levels contributed to a decision to discontinue attempts at collecting the data from the mesothelioma patients themselves.

Much data is available from treating doctors and is recorded in the Register, but without any attempt to fit it into a detailed tabular personal or occupational history format. One problem with attempting to base asbestos exposure history on personal questionnaire, was the lack of knowledge, common on the part of workers, as to whether materials contained the substance. An attempt was made to interpret the data with the assistance of occupational hygiene expertise but ceased due to lack of ongoing resources.

In 2004, the Register database was revised to remove some of the "discontinued" data items to an archive database, thereby allowing the database structure to be changed so as to address some design issues and incorporate more data integrity safeguards and reconciliation procedures. The older, more detailed, data remain accessible in case a need arises.

4.4.6 Types of cases recorded on the Register

The Mesothelioma Register contains information on persons who were, at some time, considered likely to have malignant mesothelioma. A Confirmation Status field on the Register records the outcome of the case review process at any time, and the workload associated with the investigation of many cases that are not eventually confirmed, is considerable. The confirmation status flags shown in Table 16 determine the handling of cases; only Confirmed cases contribute towards incidence statistics. "Suspected" and "Excluded" cases remain on the Register only for efficiency, in case of new information such as that from a death certificate, which might otherwise lead to duplication of previous investigative work.

Table 16. Mesothelioma Register Confirmation Status codes

Status	Meaning
Confirmed	Confirmed to have malignant mesothelioma diagnosed while resident in Western Australia. Subsequent change of status of these cases is unusual.
Suspected	Cases for which available evidence cannot support either confirmation or exclusion, and for which no further information is likely to become available.
Non- mesothelioma	Cases have been determined after review to have had a more appropriate diagnosis for their condition, which in most cases has been a lung carcinoma.
Unpresented	Cases in the early stages of the case review process, for whom review is planned and for whom data collection is proceeding.
Excluded	Cases with mesothelioma, diagnosed while resident elsewhere than in Western Australia.
Pending	Cases have been reviewed, decision unclear, and better information is being sought. Most are eventually confirmed.

The Mesothelioma Register Committee's work continues to include the resolution of old cases with a "probable" status which have come to its attention in recent years. Consequently, the number of cases confirmed in any one year may be greater than the number of cases diagnosed in that year. For example, in 1993 84 Western Australian malignant mesothelioma cases were confirmed compared to 69 cases diagnosed. More recent figures in Table 17 show variation in workload from year to years, with 2002 being a particularly busy year in terms of earlier-diagnosed cases that were reviewed and confirmed.

Table 17. Mesothelioma cases confirmed and cases diagnosed by year, 1999-2004

YEAR	Cases confirmed in year	New diagnoses in year*
1999	65	63
2000	60	60
2001	57	79
2002	93	73
2003	65	69
2004	32	n/a

^{*}may include cases that were not confirmed until later years

Between 1995 and early 2004, while the number of Confirmed cases on the Register more than doubled, the "Suspected" cases increased by only 25%, and "Non-mesothelioma" numbers increased by a factor of 3.5 – indicating not only more suspicions being reported, but also a higher success rate in resolving the diagnosis, often with newer pathology techniques (Table 18).

Table 18. Status of cases on the WA Mesothelioma Register, 1995 and 2005

Confirmation status	Cases 1995	Cases 2005
Confirmed	565	1260
Suspected	34	42
Not mesothelioma	21	73
Unpresented	16	24
Excluded (non-WA resident)	12	18
Pending	11	13
Total	659	1430

4.4.7 Significant asbestos exposure

The Register database records an assessment of each case's likely source of asbestos exposure leading to their mesothelioma, as determined by the Mesothelioma Register Committee. (Inherent in this process is a generally-accepted *a priori* assumption that mesothelioma is caused by asbestos exposure until shown otherwise.)

These assessments take into account information from all available sources, including duration of various employment and residential situations, and intensity of asbestos exposure. The codes assigned are, in principle, independent of each person's "main" lifetime occupation. In this sense, these assessments differ from some earlier hierarchical case-classification schemes, in which relative duration or intensity of exposure was not taken into account.

A complete list of the working groupings and codes, with explanations, follows in Table 19. However, with a large number of specific exposure categories as in Table 19, providing a coherent summary of changes over time is increasingly difficult. Accordingly, two alternative grouping schemes have been developed and used for presentations in this report.

The first scheme indicates whether mesothelioma resulted from occupational on non-occupational asbestos exposure, as well as whether the "significant" exposure was to raw or post-manufacture asbestos material (Table 20).

Table 20. Significant asbestos exposure groupings: occupational vs nonoccupational and raw vs processed asbestos exposure

Code	Meaning
W1	Work – asbestos mining company employees, Wittenoom
WR	Work – raw asbestos
WP	Work – processed asbestos (end-use)
WQ	Work – other/unknown
RR	Residential exposure – raw asbestos
RP	Residential exposure- processed asbestos
RQ	Residential exposure – other/unknown
N	No exposure to asbestos
U	Unknown asbestos exposure

The second grouping scheme shown in Table 21 is activity-based, without reference to whether the exposure was occupational or non-occupational.

Table 21. Significant asbestos exposure: activity-based groupings

Code	Meaning
W	Asbestos mining & milling
В	Building construction & supply
I	Insulation / lagging work
M	Asbestos cement manufacture
Т	Asbestos transport
0	Other
N	No exposure to asbestos
U	Unknown asbestos exposure

Table 19. "Significant exposure" codes and categories used in the WA Mesothelioma Register

Code	Asbestos	exposure	history
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likely risk from their residence or occupational exposures. No exposure to asbestos: Persons with a history which appears sufficient to eliminal contact with known sources of possible asbestos exposure. R1 Wittenoom resident, not employed: Residents of Wittenoom who had residential exposur rather than occupational exposure. R2 Wittenoom visitor: Non-occupational exposure while temporarily in Wittenoom. R3 Non-Wittenoom resident, family contact with asbestos: Persons with contact wit asbestos through other family members, e.g. contaminated clothing. DIY handyman exposure: This includes those thought to have been exposed during hom repair or renovation work. Cother residential exposure: Exposure by virtue of place of residence, not related to nature of employment. W1 Asbestos mining company employees, Wittenoom: Exposure as an employee of the company operating the asbestos mine at Wittenoom; exposure as an employee of the company operating the asbestos mine at Wittenoom; exposure while employed in Wittenoom including contractors at the asbestos mine. W2 Non-mining company employees at Wittenoom: Exposure while employed in Wittenoom including contractors at the asbestos mine. W3a Western Australian railway workers: Exposure during railway work, including workshoexposure during repair and maintenance of brakes and insulation materials. W3b Non-WA railway workers: Railways-related exposure outside Western Australia. W4 Asbestos cement manufacture: Exposure during the mixing, moulding and trimming asbestos cement products. W5 Wharf workers, Point Samson: Exposure during asbestos storage and loading operation at the primary sea terminal for asbestos transport from the mines at Wittenoom. W6 Wharf workers, Fremantle: Asbestos exposure during unloading and general asbesto handling at Fremantle, the main international sea port in Western Australia. W7 Wharf workers, other or unspecified: Exposure during asbestos handling at unspecified locations. W818 Asbestos insulation & lagging manufacturers/users: Expo		
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R1 Wittenoom resident, not employed: Residents of Wittenoom who had residential exposure rather than occupational exposure. R2 Wittenoom visitor: Non-occupational exposure while temporarily in Wittenoom. R3 Non-Wittenoom resident, family contact with asbestos: Persons with contact wire asbestos through other family members, e.g. contaminated clothing. R4 DIY handyman exposure: This includes those thought to have been exposed during hor repair or renovation work. R5 Other residential exposure: Exposure by virtue of place of residence, not related to nature of employment. W1 Asbestos mining company employees, Wittenoom: Exposure as an employee of the company operating the asbestos mine at Wittenoom, whether directly involved in miniming operations or not. W2 Non-mining company employees at Wittenoom: Exposure while employed in Wittenoom including contractors at the asbestos mine. W3a Western Australian railway workers: Exposure during railway work, including workshow exposure during repair and maintenance of brakes and insulation materials. W3b Non-WA railway workers: Railways-related exposure outside Western Australia. W4 Asbestos cement manufacture: Exposure during the mixing, moulding and trimming asbestos cement products. W5 Wharf workers, Point Samson: Exposure during asbestos storage and loading operation at the primary sea terminal for asbestos transport from the mines at Wittenoom. W6 Wharf workers, Fremantle: Asbestos exposure during unloading and general asbesto handling at Fremantle, the main international sea port in Western Australia. W7 Wharf workers, other or unspecified: Exposure during asbestos handling at unspecified locations. W8/18 Asbestos insulation & lagging manufacturers/users: Exposure during manufacture are application of asbestos-containing insulation coatings, including spray-on mixtures. W8 Asbestos transport and loading, non-wharf workers: Includes persons employed in roatransport of asbestos, mainly in North-West Western Australia. W10 Building, construction and suppl	N	No exposure to asbestos: Persons with a history which appears sufficient to eliminate
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 W10 Building, construction and supply workers: Users and handlers of asbestos as an enduse product for the building trade. W11 Armed forces: Exposure to asbestos, usually as an insulation and fireproofing coating 	W9	Asbestos transport and loading, non-wharf workers: Includes persons employed in road
use product for the building trade. W11 Armed forces: Exposure to asbestos, usually as an insulation and fireproofing coating		
W11 Armed forces: Exposure to asbestos, usually as an insulation and fireproofing coating	W10	
	W11	Armed forces: Exposure to asbestos, usually as an insulation and fireproofing coating,
out the control of th	-	common especially in naval ships.
W12 Plumbers: Exposure to asbestos as used for pipe insulation and gaskets.	W12	Plumbers: Exposure to asbestos as used for pipe insulation and gaskets.

- Asbestos mining workers, other: Exposure to asbestos in asbestos mining situations other W13 than the mine at Wittenoom.
- W14 Non-asbestos mining workers: Mine workers in gold mines and others where asbestos found as a contaminant rather than as the mineral of economic interest.
- W15 Other occupational exposure: Thought to have asbestos exposure in occupational settings not included in other categories in this list.
- Automotive or other brake material exposure: Brake lining exposure in manufacturers or W16 repairers, including maintenance work on mining machinery.
- W17 Pipe fitters: Pipe-lagging and gasket exposure.
- W19 Boiler makers, cleaners and welders: Asbestos lagging and insulation exposure during manufacturing or maintenance procedures.
- Shipbuilding industry: Use of asbestos for heat and sound insulation. **W20**
- Power station workers: Contact with asbestos insulation. W21
- Electricians and electrical fitters: Contact with asbestos insulation. **W22**

4.5 Background and Methods for this report

The Western Australian Cancer Registry and WA Mesothelioma Register are maintained separately using different types of software, and serving different purposes and with a different range of data users. The handling of mesothelioma is unusual in Western Australia in that while a case reported to the Cancer Registry is recorded, it is not recorded as a "valid" case until it has been passed on and considered to be "confirmed" by the WA Mesothelioma Register Committee. The Mesothelioma Register research officer may discover information in the course of investigating suspected cases of mesothelioma, that has a bearing on other cancers, or related to a death that has not yet been notified. Accordingly, there is a need for on-going reconciliation of the data in the two databases, and computerized routines are in use to ensure that the two databases record information consistently.

Prior to the writing of this report, all inter-register reconciliation processes were performed and any issues were resolved, and a single-table subset of the main mesothelioma register was made, restricted to "Confirmed" cases diagnosed between 1960-2003 inclusive and with a Western Australian address at diagnosis, and labels were added for various age, diagnosis date, and asbestos exposure category groupings.

There are some historical differences between the handling of the issue of "basis of diagnosis" on the two databases. In the Cancer Registry it usually represents the most intensive/specific test type done to confirm a cancer diagnosis, and is intended at indicating the reliability of the diagnosis of malignancy. However, a specific mesothelioma diagnosis is sometimes based more on macroscopic appearance than on microscopic pathology, and in the Mesothelioma Register "basis of diagnosis" has been used more to document the setting of a (mesothelioma) vs (another cancer type) decision. For example many Mesothelioma Register cases are coded as "Postmortem" whereas the Cancer Registry would record the specific test, i.e. cytology or histology. For the purposes of this report, the Cancer Registry "specific test" approach has been used.

Rates and projections in this section of this report are based on methods shown in Appendix 2B. Projections of mesothelioma incidence are based on an exponentially-weighted moving average method as described in *Cancer incidence and mortality in Western Australia 2002*, and timetrend assessment has been conducted using Poisson regression for the calculation of a rate ratio and 95% confidence interval.

4.6 Mesothelioma in Western Australia, 1960 to 2003

4.6.1 Anatomical site of mesothelioma

Mesothelioma is most commonly a disease of the pleura, but occurs also in the peritoneum and the (peritoneum-derived) tunic vaginalis of the scrotum in males. There were 1174 confirmed mesothelioma cases diagnosed in Western Australia in the years 1960 - 2003, 1024 (87%) in males, 150 (13%) in females. Over the period, 92% of confirmed mesotheliomas were found to arise in the pleura (Table 22). While proportions of pleural, peritoneal and "other" cases varied, there were no statistically-significant changes over the period considered.

Table 22. Anatomical primary site of mesothelioma, males and females, 1960-2003

Year of	Pleu	ra	Periton	eum	Othe	r	Total
diagnosis	Cases	%	Cases	%	Cases	%	Cases
1960-1987	231	93.9	14	5.7	1	0.4	246
1988-1993	252	90.6	23	8.3	3	1.1	278
1994-1997	217	90.0	24	10.0	0	0.0	241
1998-2000	172	91.5	15	8.0	1	0.5	188
2001-2003	206	93.2	15	6.8	0	0.0	221
1960-2003	1078	91.8	91	7.8	5	0.4	1174

4.6.2 Incidence and mortality rates

In the years soon after 1960, incidence and mortality rates were particularly variable due to low case numbers, however average age-standardized rates (ASR World 1960) were of the order of 0.5 cases per 100,000 for males (Table 23), with much lower rates for females, with the first Western Australian woman not being diagnosed until 1973 (Table 24). Incidence rates in males have increased to 4-5 cases per 100,000 in the last ten years, while rates in females continue to be much lower at 0.5 - 1 per 100,000. These rates correspond to 50-60 men and 5-15 women per year.

There have been suggestions that malignant mesothelioma might have been under-diagnosed in earlier years because of lack of recognition of the disease by clinicians and pathologists. ¹⁵ With this in mind, trend analysis (and projections, in a later section of this report) were based on data from 1984 to 2003 only. The annual rates of increase in incidence for the period 1984-2003 were 2.01% for males (p = 0.001) and 2.05% for females (not statistically significant).

Mortality rates for mesothelioma are usually similar to incidence rates as the disease continues to be almost universally fatal. The right-hand columns of Tables 23 and 24 show the mortality data by year for males and females respectively.

Table 23. Mesothelioma, Western Australia: incidence and mortality, males, 1960 - 2003

Males	INCIDENC	E				MORTALITY		
Year	Cases	ASR (W 1960)*	95% c.i.*	ASR (Aust 2001)**	95% c.i.**	Deaths	ASR (W 1960)*	95% c.i.*
1960	2	0.6	0.0 - 1.4	0.7	0.0 - 1.7	0	-	-
1961	0	-	-	-	-	1	0.3	0.0 - 0.9
1962	0	-	-	-	-	0	-	-
1963	0	-	-	-	-	0	-	-
1964	2	0.5	0.0 - 1.3	0.7	0.0 - 1.7	2	0.5	0.0 - 1.3
1965	0	-	-	-	-	1	0.2	0.0 - 0.6
1966	1	0.2	0.0 - 0.6	0.2	0.0 - 0.6	0	-	-
1967	0	-	-	-	-	1	0.2	0.0 - 0.6
1968	0	-	-	-	-	0	-	-
1969	3	0.7	0.0 - 1.5	0.9	0.0 - 1.9	1	0.2	0.0 - 0.6
1970	2	0.4	0.0 - 1.0	0.5	0.0 - 1.3	0	-	-
1971	2	0.4	0.0 - 1.0	0.5	0.0 - 1.3	2	0.4	0.0 - 1.0
1972	0	-	-	-	-	0	-	-
1973	5	1.0	0.2 - 1.8	1.1	0.1 - 2.1	1	0.2	0.0 - 0.6
1974	2	0.4	0.0 - 1.0	0.5	0.0 - 1.1	2	0.4	0.0 - 1.0
1975	7	1.3	0.3 - 2.3	1.5	0.3 - 2.7	1	0.2	0.0 - 0.6
1976	3	0.5	0.0 - 1.1	0.7	0.0 - 1.5	1	0.2	0.0 - 0.6
1977	7	1.2	0.4 - 2.0	1.6	0.4 - 2.8	4	0.7	0.1 - 1.3
1978	10	1.6	0.6 - 2.6	2.2	0.8 - 3.6	5	0.8	0.2 - 1.4
1979	8	1.3	0.3 - 2.3	1.5	0.5 - 2.5	0	-	-
1980 1981	15	2.3	1.1 - 3.5 0.8 - 2.8	3.2 2.7	1.6 - 4.8 1.1 - 4.3	6	0.9	0.1 - 1.7
1981	12 21	1.8 3.0	1.6 - 4.4	4.1	2.3 - 5.9	11 10	1.6 1.5	0.6 - 2.6 0.5 - 2.5
1983	17	2.5	1.3 - 3.7	3.2	1.6 - 4.8	20	2.7	1.5 - 3.9
1984	22	3.1	1.7 - 4.5	4.4	2.6 - 6.2	14	2.0	1.0 - 3.0
1985	19	2.6	1.4 - 3.8	4.2	2.2 - 6.2	18	2.5	1.3 - 3.7
1986	27	3.4	2.0 - 4.8	5.1	3.1 - 7.1	30	3.7	2.3 - 5.1
1987	28	3.5	2.1 - 4.9	4.8	3.0 - 6.6	23	2.8	1.6 - 4.0
1988	33	3.9	2.5 - 5.3	6.0	3.8 - 8.2	29	3.4	2.2 - 4.6
1989	34	4.1	2.7 - 5.5	5.5	3.5 - 7.5	31	3.7	2.3 - 5.1
1990	34	4.0	2.6 - 5.4	6.0	3.8 - 8.2	33	3.9	2.5 - 5.3
1991	38	4.2	2.8 - 5.6	6.2	4.2 - 8.2	30	3.2	2.0 - 4.4
1992	44	4.6	3.2 - 6.0	7.0	4.8 - 9.2	29	3.2	2.0 - 4.4
1993	57	5.8	4.2 - 7.4	9.3	6.8 - 11.8	50	5.1	3.7 - 6.5
1994	48	4.8	3.4 - 6.2	7.4	5.2 - 9.6	52	5.4	3.8 - 7.0
1995	57	5.4	4.0 - 6.8	8.7	6.3 - 11.1	52	4.9	3.5 - 6.3
1996	57	5.5	4.1 - 6.9	8.4	6.2 - 10.6	55	5.2	3.8 - 6.6
1997	56	5.0	3.6 - 6.4	8.2	6.0 - 10.4	52	4.5	3.3 - 5.7
1998	58	5.3	3.9 - 6.7	7.9	5.7 - 10.1	60	5.3	3.9 - 6.7
1999	55	4.4	3.2 - 5.6	7.6	5.4 - 9.8	44	3.7	2.5 - 4.9
2000	51	4.0	2.8 - 5.2	7.0	5.0 - 9.0	56	4.4	3.2 - 5.6
2001	65	5.0	3.8 - 6.2	8.6	6.4 - 10.8	54	4.0	2.8 - 5.2
2002	66	4.9	3.7 - 6.1	8.1	6.1 - 10.1	61	4.4	3.2 - 5.6
2003	56	4.1	2.9 - 5.3	6.8	5.0 - 8.6	58	4.0	3.0 - 5.0

^{*} Age-standardized rate per 100,000 and 95% confidence interval based on per Segi (1960) World Standard Population
** Age-standardized rate per 100,000 and 95% confidence interval based on Aust. 2001 population standard

Age-standardized rate per 100,000 and 95% confidence interval based on Aust. 2001 population standard (Mortality rates are similar to incidence rates - only one mortality ASR is shown, for simplicity)

Table 24. Mesothelioma, Western Australia: incidence and mortality, females, 1960 - 2003

Females	INCIDENC	CE				MORTALITY		
Year	Cases	ASR (W 1960)*	95% c.i.*	ASR (Aust 2001)**	95% c.i.**	Deaths	ASR (W 1960)*	95% c.i.*
1960	0	-	-	-	-	0	-	-
1961	0	-	-	-	-	0	-	-
1962	0	-	-	-	-	0	-	-
1963	0	-	-	-	-	0	-	-
1964	0	-	•	-	-	0	-	-
1965	0	-	-	-	-	0	-	-
1966	0	-	-	-	-	0	-	-
1967	0	-	•	-	-	0	-	-
1968	0	-	-	-	-	0	-	-
1969	0	-	•	-	-	1	0.2	0.0 - 0.6
1970	0 0	-	•	-	-	0	-	-
1971 1972	0	_	-	-	-	0		-
1972	1	0.2	0.0 - 0.6	0.3	0.0 - 0.9	0		
1974	0	-	-	-	-	0		_
1975	2	0.3	0.0 - 0.7	0.4	0.0 - 1.0	1	0.1	0.0 - 0.3
1976	0	-	-	-	-	1	0.2	0.0 - 0.6
1977	0	_		-	_	0	-	-
1978	1	0.2	0.0 - 0.6	0.2	0.0 - 0.6	0	-	_
1979	2	0.3	0.0 - 0.7	0.4	0.0 - 1.0	1	0.2	0.0 - 0.6
1980	3	0.5	0.0 - 1.1	0.6	0.0 - 1.2	2	0.3	0.0 - 0.7
1981	2	0.4	0.0 - 1.0	0.4	0.0 - 1.0	2	0.3	0.0 - 0.7
1982	0	-	-	-	-	1	0.2	0.0 - 0.6
1983	2	0.3	0.0 - 0.7	0.3	0.0 - 0.7	1	0.1	0.0 - 0.3
1984	3	0.3	0.0 - 0.7	0.5	0.0 - 1.1	0	-	-
1985	7	0.8	0.2 - 1.4	1.2	0.2 - 2.2	4	0.5	0.0 - 1.1
1986	4	0.4	0.0 - 0.8	0.7	0.0 - 1.5	4	0.4	0.0 - 0.8
1987	4	0.4	0.0 - 0.8	0.6	0.0 - 1.2	2	0.2	0.0 - 0.4
1988	6	0.6	0.2 - 1.0	1.0	0.2 - 1.8	5	0.5	0.1 - 0.9
1989	5	0.4	0.0 - 0.8	0.7	0.1 - 1.3	2	0.3	0.0 - 0.7
1990	6	0.7	0.1 - 1.3	0.9	0.1 - 1.7	8	0.7	0.1 - 1.3
1991	3	0.3	0.0 - 0.7	0.5	0.0 - 1.1	3	0.2	0.0 - 0.6
1992	5	0.5	0.1 - 0.9	0.7	0.1 - 1.3	5	0.5	0.1 - 0.9
1993	13	1.3	0.5 - 2.1	1.8	0.8 - 2.8	8	0.8	0.2 - 1.4
1994	5	0.4	0.0 - 0.8 0.1 - 0.9	0.6 0.7	0.0 - 1.2 0.1 - 1.3	4	0.4	0.0 - 0.8 0.1 - 0.9
1995	5 7	0.5				5	0.5	
1996 1997		0.5	0.1 - 0.9 0.1 - 0.9	0.9	0.3 - 1.5 0.2 - 1.4	6	0.5	0.1 - 0.9
1997	6 7	0.5 0.6	0.1 - 0.9	0.8 0.8	0.2 - 1.4	9 5	0.6 0.4	0.2 - 1.0 0.0 - 0.8
1999	8	0.6	0.2 - 1.0	0.9	0.2 - 1.4	6	0.4	0.0 - 0.8
2000	9	0.7	0.2 - 1.0	1.0	0.4 - 1.6	5	0.4	0.0 - 0.8
2001	14	1.1	0.5 - 1.7	1.5	0.7 - 2.3	11	0.4	0.3 - 1.1
2002	7	0.3	0.1 - 0.5	0.7	0.1 - 1.3	10	0.7	0.3 - 1.1
2003	13	0.7	0.3 - 1.1	1.3	0.5 - 2.1	8	0.3	0.1 - 0.5

^{*} Age-standardized rate per 100,000 and 95% confidence interval based on per Segi (1960) World Standard Population ** Age-standardized rate per 100,000 and 95% confidence interval based on Aust. 2001 population standard

^{**} Age-standardized rate per 100,000 and 95% confidence interval based on Aust. 2001 population standard (Mortality rates are similar to incidence rates - only one mortality ASR is shown, for simplicity)

4.6.3 Age at exposure and diagnosis

Age at diagnosis

Both mean and median ages at diagnosis have increased since 1960, for both males and females. In males, the median age has increased from 59 years in 1960-1987 to 70.0 in 2001-2003. In females, the median age increased from 57 years to 73 years over the same period (Table 25).

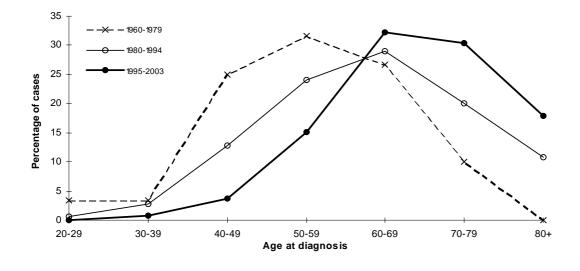
Table 25. Mean and median age at diagnosis of mesothelioma, Western Australia 1960-2003, for males and females

Ma	les								
	Age at			Period of diagnosis					
	diagnosis	1960-1987	1988-1993	1994-1997	1998-2000	2001-2003			
	Mean	60.0	63.9	66.6	68.4	70.1			
	Median	59.0	63.5	66.5	69.0	70.0			
	Cases	215	240	218	164	187			
Fei	males								
Fei	males Age at			Period of o	diagnosis				
Fei		1960-1987	1988-1993	Period of 6	diagnosis 1998-2000	2001-2003			
Fei	Age at	1960-1987 58.1	1988-1993 61.9		•	2001-2003 69.9			
Fei	Age at diagnosis			1994-1997	1998-2000				

Changes in age distribution over time

The diagnosis year periods in Table 25 were chosen so as to have similar numbers of cases diagnosed in each. However, for the sake of clarity, changes in the age distribution over time are shown using different periods, for ten-year age groups (Figure 21). The curve has shifted towards older ages in recent periods.

Figure 21. Mesothelioma, Western Australia, 1960-2003: age at diagnosis



The move towards later age at diagnosis raise the question as to whether the main sources of asbestos exposure, which once caused mesothelioma in relatively young people, have become less common with time, and that the bulk of the recent cases are those who have had a longer "lead time" between exposure and diagnosis - or whether similar asbestos exposures are still common, but being encountered later in life.

Delay between asbestos exposure and mesothelioma diagnosis

The data available are unable to support a calculation of the time interval between first exposure to asbestos and diagnosis of malignant mesothelioma for all confirmed cases on the Register. However, for cases diagnosed in the period 1960 to 2003, an estimate was available for 867 (74%) of 1174 cases, and ranged from 10 years to 78 years. Mean and median intervals between supposed first exposure and diagnosis were both 40 years for males and 39 years for females. On the basis of longer experience, these data are changing the view of what is normal, as a 1984 Western Australian study reported that of 81 cases with definite asbestos exposure, the average interval between first exposure and diagnosis was 25 years. ¹⁵

Both mean and median lead times have increased consistently since 1960 (Table 26). This does suggest that a large proportion of recently-diagnosed cases are due to asbestos exposure sources which are no longer present, and that the current environment may not give rise to as many cases as did the era when asbestos mining, milling and transport in Western Australia were the dominant causes of mesothelioma.

Table 26. Mean and median "lead time" between first asbestos exposure and mesothelioma diagnosis

Time between exposure and	Period of diagnosis						
diagnosis (years)	1960-1987	1988-1993	1994-1997	1998-2000	2001-2003		
Mean	31.4	37.3	42.1	43.1	47.1		
Median	31	37	42	43	47		
Cases	172	203	185	149	158		
<u> </u>	172	203	100	149	108		

^{*} includes only cases for which a "first asbestos exposure" year was available

4.6.4 Presumed source of significant asbestos exposure

Commercial asbestos mining was in progress at Wittenoom from 1943 to 1966, and most cases in earlier years of the period shown were associated with this exposure source. In more recent years however, exposure due to other occupations has contributed more to the total number of cases diagnosed each year, in particular the building and construction industry.

The non-occupational exposure categories include people who were exposed through handyman-type work at home or who were exposed to asbestos as residents of Wittenoom. The latter make up the biggest group within the non-occupational category. For a minority of confirmed cases (73 out of a total of 1174), review of a full occupational and residential history suggested that there has been no exposure to asbestos. For a significant number of cases (122 of 1174, or 10%), there is insufficient information to determine type of exposure, but none was reported.

The most common individual significant asbestos exposure category over the 1960-2003 period remains that relating to ABA (Australian Blue Asbestos) employment at Wittenoom, with 204 male and 10 female cases attributed (Table 27). The building construction/supply industry exposure category was the next most common code, followed by "No known asbestos exposure".

Table 27. Significant asbestos exposure categories and confirmed mesothelioma cases, Western Australia, 1960 - 2003

Code	"Significant exposure" group	Males	Females	All
W1	ABA workers at Wittenoom	204	10	214
W2	Non-ABA workers at Wittenoom	20	5	25
W3a	Western Australian railway workers	69	1	70
W3b	Other (non-WA) railway workers	4	0	4
W4	Asbestos cement product workers	23	0	23
W5	Wharf workers at Point Samson	14	0	14
W6	Wharf workers at Fremantle	34	0	34
W7	Wharf workers, "other" or unspecified	10	0	10
W8/18	Asbestos insulation/lagging workers	38	0	38
W9	Asbestos transport/loading (non-wharf workers)	26	0	26
W10	Building/construction and supply industry workers	165	0	165
W11	Armed forces	41	0	41
W12	Plumbers	29	0	29
W13	Asbestos mining workers, non-ABA	2	0	2
W14	Mining workers, non-asbestos or NOS	2	0	2
W16	Automotive or other brake material exposure	17	0	17
W17	Pipefitters	6	0	6
W19	Boilermakers/cleaners and attendants, welders	32	0	32
W20	Shipbuilding workers	27	0	27
W21	Power station workers	13	0	13
W22	Electricians/electrical fitters	16	0	16
W15	Other occupational grouping	52	9	61
R1	Wittenoom resident, not employed	18	24	42
R2	Wittenoom visitor	7	3	10
R3	Non-Wittenoom resident, family contact asbestos	0	13	13
R4	Do It Yourself/handyman exposure	26	8	34
R5	Other residential exposure	1	10	11
N	No asbestos exposure	41	32	73
U	No known asbestos exposure	87	35	122
	All	1024	150	1174

For the most recent ten years (1994-2003), the most common specific exposure categories are shown in Figures 22 and 23. Among 569 mesothelioma cases occurring in males, those associated with the building and construction industry (20%) now outnumber those directly related to asbestos-related work at Wittenoom (15%). Cases without known asbestos exposure comprised 8% of all cases, and 3% of cases were thought to have had no asbestos exposure.

Among the 81 female cases in the 10 year period, the Unknown exposure (25%) and No exposure cases (22%) were the most common categories. Among females, the four most common specific asbestos exposure categories were all non-occupational: residential exposure in Wittenoom (14%), non-occupational building/handyman exposure (9%), "other" residential exposure, and "family contact" exposure such as washing an asbestos-worker's clothes.

Figure 22. Mesothelioma, Western Australia, males 1994-2003 (569 cases): Most common significant asbestos exposure categories

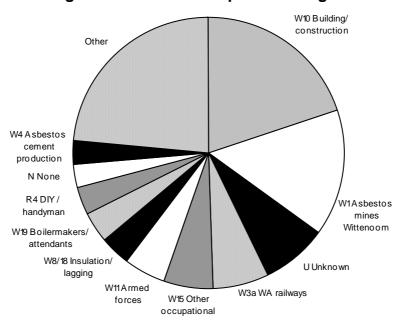
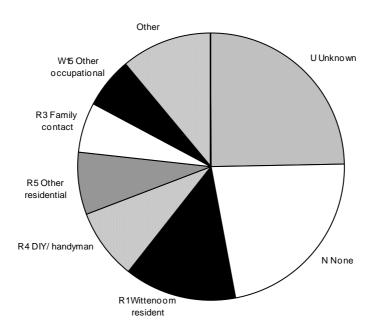


Figure 23. Mesothelioma, Western Australia, females 1994-2003 (81 cases): Most common significant asbestos exposure categories



Over the entire period 1960-2003, 869 mesothelioma cases (74 % of the total) were thought to have been due to occupational asbestos exposure (Table 28). Non-occupational (mostly residential) exposure accounted for 9% of cases, 6% were thought not to have had any asbestos exposure, and 10% of cases lacked sufficient information for a determination. At this level of grouping, there have been no consistent trends over the time periods examined. However, the number of cases associated with asbestos exposures while working for the mining company at Wittenoom, has decreased from 32% in 1960-87 to 11 - 12% since 1998.

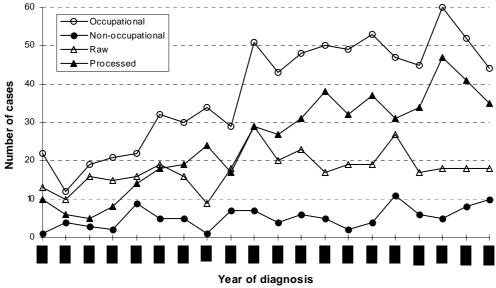
The main changes shown in Table 28 are a decline in the number of cases with exposures thought to be related to raw or unprocessed asbestos, from 51% in 1960-1987, to 24% in 2001-2003 - with a corresponding increase in cases thought to be associated with "end uses" of asbestos products.

Table 28. Significant asbestos exposure, Western Australian mesothelioma cases, 1960-2003: occupational vs nonoccupational and raw vs processed asbestos exposure

Category	1960-1987	1988-1993	1994-1997	1998-2000	2001-2003	1960-2003	
	%	%	%	%	%	%	Cases
Residential - Raw asbestos	4.9	7.9	4.1	5.9	3.2	5.3	62
Work - ABA employees Wittenoom	32.1	16.5	16.6	11.7	12.2	18.2	214
Work - Raw asbestos	13.8	14.0	12.0	16.0	9.0	12.9	152
Raw asbestos, all	50.8	38.5	32.8	33.5	24.4	36.5	428
Residential - Processed asbestos	1.2	4.0	2.9	5.3	6.8	3.9	46
Work - Processed asbestos (end-use)	26.8	39.6	50.2	48.9	48.9	42.3	497
Processed asbestos, all	28.0	43.5	53.1	54.3	<i>55.7</i>	46.3	543
Residential - other/unknown	0.0	0.4	0.0	0.0	0.5	0.2	2
Work - other/unknown	0.4	1.1	0.0	0.5	0.5	0.5	6
Other & unknown, all	0.4	1.4	0.0	0.5	0.9	0.7	8
No exposure	6.9	7.9	8.3	2.7	4.1	6.2	73
Unknown exposure	13.8	8.6	5.8	9.0	14.9	10.4	122
All cases	(100)	(100)	(100)	(100)	(100)	(100)	1174

While the proportion of cases associated with raw asbestos exposure has declined (Table 28), the actual number of cases per year continues without apparent decline, while the absolute number of cases associated with use of asbestos products increases (Figure 24).

Figure 24. Mesothelioma, Western Australia, 1984-2003: trends in significant asbestos exposure type



Asbestos exposures associated with particular types of activity are shown in Table 29. In the groupings used, there is no occupational content, in that for example "Asbestos mining and milling" includes both the mine/mill workers, and those who were thought to have been exposed to asbestos in or around the Wittenoom townsite and mine workings, including other workers, residents and visitors.

Notable trends are the decline in number of cases attributable to asbestos mining and transport, and the increase in cases thought to be due to the use of asbestos (mainly sheeting) in the construction industry. Use of asbestos in insulation and pipe lagging has been a more constant contributor, but may be in decline, whereas it is too early to suggest whether the small number of cases associated with asbestos cement production will increase in the future. The "Unknown exposure" category has been maintained at a relatively constant level until the most recent time period, averaging about 10% of cases over the period 1960-2003.

Table 29. Mesothelioma, Western Australia 1960-2003: activity-based "significant asbestos exposure" groupings

Category	1960-1987 %	1988-1993 %	1994-1997 %	1998-2000 %	2001-2003 %	1960 %	0-2003 Cases
Asbestos mining & milling	39.4	25.9	21.2	18.6	17.2	25.0	293
Asbestos transport	7.7	9.4	5.4	9.6	3.6	7.2	84
Building construction & supply	11.0	21.6	26.1	29.8	35.7	24.3	285
Insulation / lagging work	13.4	15.8	21.2	14.9	15.4	16.2	190
Asbestos cement production	0.4	2.2	2.5	3.7	1.4	2.0	23
Other	7.3	8.6	9.5	11.7	7.7	8.9	104
No exposure	6.9	7.9	8.3	2.7	4.1	6.2	73
Unknown exposure	13.8	8.6	5.8	9.0	14.9	10.4	122
All	(100)	(100)	(100)	(100)	(100)	(100)	1174

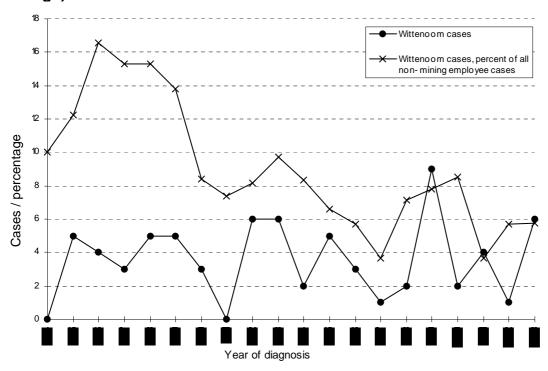
4.6.5 Wittenoom contact

Western Australian Government moves which resulted in the withdrawal of essential services and closure of the Wittenoom townsite in past years had progressed at the time of this Registry's last mesothelioma-specific report, ¹⁰ to the demolition and burial of the materials from the old town site. Asbestos contamination had remained considerable in 1978, twelve years after the cessation of asbestos mining operations, ¹³ and burial of remaining material was expected to reduce what may have otherwise remained significant asbestos contamination of the area.

There continue to be mesothelioma cases diagnosed that are thought to be due to non-mining associated work or contact with Wittenoom (categories W2, R1 and R2 in Table 27). At present, all but 3 of these cases are thought to be due to asbestos exposure prior to the cessation of mining in the area, and the continuing risk to post-mining residents remains unclear but should be considered.

Figure 25 shows annual numbers of Wittenoom-associated cases, from which it can be seen that the case numbers vary widely between years and even with the smoothing effect of the moving average, the "percentage" line in the most recent 10 years does not show a consistent trend.

Figure 25. Mesothelioma, Western Australia, 1984 - 2003, significant asbestos exposure (excluding asbestos mining company employees at Wittenoom): Wittenoom-associated cases, and percentage of total cases (3-year moving average)



4.6.6 Basis of diagnosis

The Mesothelioma Register and WA Cancer Registry record, as the basis of diagnosis, the setting or most complex type of test by which each particular case was confirmed (Table 30). In general, diagnosis has been regarded as most certain when based on a tissue specimen, and on histology rather than cytology. However, cases have been confirmed on the basis of clinical and radiological findings when there was no pathological material available.

Table 30. Mesothelioma, Western Australia: basis of diagnosis for confirmed cases, 1960-2003

	Period of diagnosis							
Basis	1960-1987	1988-1993	1994-1997	1998-2000	2001-2003	1960-2003		
Clinical	2.4	1.1	0.8	0.5	0.5	1.1		
Imaging Microscopic	0.0	0.7	0.8	1.1	1.4	0.8		
Cytology	31.7	36.7	31.5	27.7	33.0	32.5		
Histology	57.7	57.2	66.8	70.2	65.2	62.9		
Other	4.9	1.1	0.0	0.5	0.0	1.4		
Other	3.3	3.2	0.0	0.0	0.0	1.4		
Total cases	246	278	241	188	221	1174		

Note: NOS - Not otherwise specified.

The most significant change over the 43 year period being considered is the increased proportion of diagnoses based on imaging (and clinical findings), from none in 1960-1987 to 1.1 - 1.4% in the last 7 years; the number of "clinical" cases has diminished in the same period. There has been an increase in the proportion of cases with histological confirmation from 58% to 65%. Electron microscopy and special stains on cells from fluid in pleural effusions increasingly makes the distinction between mesothelioma and other forms of malignancy.

4.6.7 Mesothelioma incidence: projections

Predictions of future cancer case numbers and incidence rates may be of vital importance to health planners who seek to ensure that health services are able to keep up with demand. Other projections elsewhere in this report deal with the total cancer burden. Mesothelioma predictions have assumed a heightened importance in recent years due to the question of financial compensation for occupation-related disease. The issue could be felt to justify complex statistical methods which might take into account predictions of future asbestos exposures, and detailed data concerning past changes (such as the cessation of mining at Wittenoom in 1966). Such methods are beyond the scope of this report, however some projections are presented here as a guideline. They are based on the calculation of an exponentially-weighted moving average of historical case numbers, and do not take into account any exposure information, however they do take projected population growth into account.

In males, based on data from 1984 to 2003, which show a statistically-significant average annual incidence rate increase of 2.01% per year, annual case numbers are projected to grow to 98 by the year 2010, with the greatest increase in those aged over 70 years. Many of these cases will have been caused by asbestos exposure which has already occurred, and as time goes on the projections may prove too high. Statistical uncertainty indicates, via the 95% confidence interval, that even as soon as 2010, the projected 98 case per year might actually lie in the range 89 to 107, or +/- 9%. These projections are based on the best available local evidence as a guideline only, and should be treated with caution.

Table 31. Mesothelioma in Western Australians: Case numbers cases and rates 1984-2003, and projections to 2016 - males

MALES					Cas	se numbers by	age
Year	ASR	95%c.l.	Cases	95%c.l.	< 50 yrs	50 - 69 yrs	>= 70 yrs
1984	3.1	1.7 - 4.5	22		2	15	5
1985	2.6	1.4 - 3.8	19		4	8	7
1986	3.4	2.0 - 4.8	27		2	15	10
1987	3.5	2.1 - 4.9	28		3	20	5
1988	3.9	2.5 - 5.3	33		5	20	8
1989	4.1	2.7 - 5.5	34		5	20	9
1990	4.0	2.6 - 5.4	34		2	22	10
1991	4.2	2.8 - 5.6	38		6	20	12
1992	4.6	3.2 - 6.0	44		8	23	13
1993	5.8	4.2 - 7.4	57		7	22	28
1994	4.8	3.4 - 6.2	48		5	27	16
1995	5.4	4.0 - 6.8	57		4	28	25
1996	5.5	4.1 - 6.9	57		3	32	22
1997	5.0	3.6 - 6.4	56		3	26	27
1998	5.3	3.9 - 6.7	58		1	35	22
1999	4.4	3.2 - 5.6	55		4	22	29
2000	4.0	2.8 - 5.2	51		1	23	27
2001	5.0	3.8 - 6.2	65		1	27	37
2002	4.9	3.7 - 6.1	66		2	31	33
2003	4.1	2.9 - 5.3	56		2	26	28
2004	4.5	3.3 - 5.6	65	57 - 72	2	31	30
2005	4.6	3.5 - 5.7	69	61 - 77	2	34	34
2006	4.7	3.6 - 5.8	74	66 - 82	2	35	37
2007	4.8	3.7 - 5.9	79	71 - 87	2	37	40
2008	4.9	3.8 - 6.0	85	76 - 93	2	38	44
2009	5.0	4.0 - 6.1	91	82 - 99	1	41	48
2010	5.3	4.2 - 6.4	98	89 - 107	2	42	52
2011	5.4	4.3 - 6.5	105	95 - 114	2	44	57
2012	5.5	4.5 - 6.6	112	102 - 123	2	47	63
2013	5.7	4.6 - 6.7	120	109 - 131	2	49	69
2014	5.8	4.8 - 6.9	128	117 - 140	2	53	75
2015	6.0	4.9 - 7.0	137	125 - 149	2	55	81
2016	6.2	5.2 - 7.3	148	135 - 160	3	57	88

Trend 1984-2003: Increase averaging 2.01% per year (p=0.001)

ASRs and case numbers in bold are projections based on an Exponentially-weighted moving average.

In females, the data from 1984 to 2003 show a statistically non-significant average annual incidence rate increase of 2.05% per year, and annual case numbers are projected to grow to 13 per year (95% confidence interval 8 - 17) by the year 2010. The historical annual case numbers have been very variable, and have already exceeded 13 cases on one occasion. Even more than for males, these projections are based on the best available local evidence as a guideline only, and should be treated with caution.

Table 32. Mesothelioma in Western Australians: Case numbers cases and rates 1984-2003, and projections to 2016 - females

FEMALES							
Year	ASR	95% c.i.	Cases	95% c.i.	< 50 yrs	50 - 69 yrs	>= 70 yrs
1984	0.3	0.0 - 0.7	3		0	2	1
1985	8.0	0.2 - 1.4	7		3	1	3
1986	0.4	0.0 - 0.8	4		0	2	2
1987	0.4	0.0 - 0.8	4		1	2	1
1988	0.6	0.2 - 1.0	6		1	1	4
1989	0.4	0.0 - 0.8	5		1	1	3
1990	0.7	0.1 - 1.3	6		2	3	1
1991	0.3	0.0 - 0.7	3		2	0	1
1992	0.5	0.1 - 0.9	5		2	2	1
1993	1.3	0.5 - 2.1	13		3	6	4
1994	0.4	0.0 - 0.8	5		2	1	2
1995	0.5	0.1 - 0.9	5		0	4	1
1996	0.5	0.1 - 0.9	7		1	3	3
1997	0.5	0.1 - 0.9	6		0	3	3
1998	0.6	0.2 - 1.0	7		1	3	3
1999	0.6	0.2 - 1.0	8		0	2	6
2000	0.7	0.3 - 1.1	9		2	3	4
2001	1.1	0.5 - 1.7	14		1	8	5
2002	0.3	0.1 - 0.5	7		0	2	5
2003	0.7	0.3 - 1.1	13		1	4	8
2004	0.4	0.1 - 0.8	8	4 - 12	1	3	4
2005	0.5	0.1 - 0.8	8	4 - 12	0	3	5
2006	0.5	0.1 - 0.8	9	4 - 13	0	3	5
2007	0.6	0.2 - 1.0	10	6 - 15	1	4	6
2008	0.6	0.2 - 1.0	11	7 - 15	1	4	6
2009	0.6	0.2 - 1.0	12	7 - 16	1	4	6
2010	0.6	0.3 - 1.0	13	8 - 17	1	5	6
2011	0.7	0.3 - 1.0	13	9 - 18	1	5	6
2012	0.7	0.3 - 1.1	14	9 - 19	1	5	7
2013	0.7	0.3 - 1.1	15	10 - 20	1	6	7
2014	0.7	0.3 - 1.1	16	11 - 21	1	6	8
2015	8.0	0.4 - 1.3	18	13 - 23	2	7	9
2016	0.9	0.4 - 1.3	19	14 - 25	2	7	9

Trend 1984-2003: Increase averaging 2.05% per year (not significant)

ASRs and case numbers in bold are projections based on an Exponentially-weighted moving average.

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- Notes -

Appendix 3A now contains an incidence data summary for the most common cancer types on page A3-10.

Appendix 1. About The Western Australian Cancer Registry

Appendix 1A. Overview and technical issues

History and role

The Western Australian Cancer Registry is a population-based cancer registry established in 1981. The mandatory reporting of cancers diagnosed by pathologists, haematologists and radiation oncologists is underpinned by the Health (Notification of Cancer) Regulations; the most recent version can be found in **Appendix 2E**. The Registry was established in recognition of the potential importance of reliable population-based cancer data in the planning of services and in the prevention and treatment of cancer.

Surveillance of cancer extends beyond State and national boundaries and this Registry cooperates with other State registries and the National Cancer Statistics Clearing House (NCSCH) (a central cancer data collection for the whole of Australia based at the Australian Institute of Health and Welfare in Canberra). Data are also provided to the Australian Mesothelioma Register in Canberra, and the International Agency for Research on Cancer in Lyon, France, for inclusion in Australian statistics published nationally and world-wide.

The Registry is a member of the Australasian Association of Cancer Registries (AACR) which includes all Territory and State cancer registries, and the International Association of Cancer Registries (IACR). The AACR meets annually to discuss matters such as common coding systems, comparability of data between areas in Australia and involvement in Australia-wide cancer research projects.

Registry scope

The Western Australian Cancer Registry reports on cancers and other neoplasms diagnosed in persons while resident in Western Australia. A separate register is maintained for recording detailed asbestos exposure and other history for all cases of malignant mesothelioma. In practice, the Registry records available information about cancers diagnosed elsewhere, in Western Australians, as this is often vital to the interpretation of new reports, or mortality information.

As in other Australian cancer registries, information concerning tumours diagnosed in Western Australia in persons ordinarily resident elsewhere in Australia, is forwarded to the relevant State or Territory cancer registry, and is not included in Western Australian incidence statistics.

Cancer deaths in current or former Western Australian residents are recorded when possible, regardless of place of death or address at diagnosis, to facilitate survival analysis. However, in routine tables of mortality, geographic location is based on place of residence at time of death rather than on the place of death. Accordingly, the Registry's mortality statistics routinely include only deaths, in Western Australia, of persons resident in Western Australia at the time. In contrast to incidence, mortality reports include deaths due to all non-melanoma skin cancers.

Legislative basis

The Registry acts with the delegated authority of the Executive Director of Public Health with respect to the Health (Notification of Cancer) Regulations 1981. These, as amended in February 1996, require the notification of *in situ* neoplasms and all non-melanoma skin cancers other than basal cell and squamous cell carcinomas, as well as all invasive malignancies and benign CNS tumours (see **Appendix 2E**).

Sources of data

Most notifications are received from pathology laboratories, which supply pathology reports on paper or computer data files. The electronic notification system relies on the tumour codes generated by pathologists to select the reports which reach the Registry, and it is believed that this has enhanced the completeness of reporting from the larger hospital laboratories. Radiation oncologists also notify the Registry concerning patients treated for cancer.

In-house linkage routines are used to link pathology and mortality data files to the Registry to permit creation of new records, or the updating of date, place and cause of death information. Additional cancer registrations are obtained from the remaining (unmatched) mortality records after electronically scanning the written cause of death and other fields on a data file. Data are now obtained from the W.A. Registrar-General's Office via the Data Linkage Unit in the Health Information Centre. Records are created on the Cancer Registry for persons with these previously-unrecorded tumours, and efforts are then made to obtain independent verification of tumour details. Those for which no supporting information can be obtained after research are treated in subsequent reports as "death certificate only" (DCO) tumours.

Additional demographic information including country of birth, Aboriginality or indigenous status, and occupation can often be obtained, either from periodic extracts of the W.A. Hospital Morbidity Data System (HMDS) files (maintained in the Health Information Centre), or via online access to a Patient Master Index maintained in Perth Metropolitan Area government hospitals. In 2000, the HMDS was assessed as a potential passive source of cancer notifications for tumours not otherwise reported to the Registry, and a process of assessing the impact of such additional records on Western Australian incidence statistics remains under way. Currently these data are being updated and will be used to support a request for changes in the Health (Notification of Cancer) Regulations.

Data handling and maintenance

The Registry still maintains paper records for individual cases, although as pathology reports are increasingly being received in electronic form, on-screen-only coding is still being considered. A long-awaited computer software re-engineering process is currently in its early stages.

New registrations and updates are made on a locally-designed computerized multi-user database installed on an IBM-compatible microcomputer network. In general, cancer cases are recorded with one demographic record for each person with a separate, linked, record for each tumour. Records which are incomplete or which are found to be inaccurate in the light of new information are progressively updated, and the data are thus subject to continual enhancement until the time of any final update such as that following confirmation of death information. Registry records that are duplicates of existing cases are now handled by cross-referencing to the "valid" case, rather than deletion, minimizing the repetition of "detective" work if more information later comes to hand.

Statistics are produced from database extracts using the Registry's own incidence and mortality rates calculation system and a variety of other statistical and graphics software packages. Software for routine statistical reports is constantly being developed and upgraded to reflect changes in coding systems, geographical area divisions and the types of data requests received. The vast majority of tables in this report are created directly from this in-house software.

Where resources permit, customized tabulations using similar area and age group subdivisions are made available to researchers and students on request.

Coding practices

General

The coding of tumour data is based on the International Classification of Diseases for Oncology (ICD-O) which originated as an extension of Chapter II (Neoplasms) of the Ninth Revision of the International Classification of Diseases (ICD-9); now related to ICD-10.

ICD-O permits separate coding of topography ("site"), morphology ("tissue") and behaviour, and thus allows a more comprehensive characterization of some tumours than the single-code ICD-9 and ICD-10 classification system. Topography and morphology codes in this report are from ICD-O third edition (2000) (ICDO-3),^a following the successful conversion of software, and translation of historical data in 2003.

In general, for incidence reporting, leukaemias, lymphomas and other lymphohaematopoietic malignancies are grouped on the basis of morphology codes, as for cutaneous melanoma, Kaposi sarcoma and mesothelioma, while other tumours are tabulated on the basis of topography, or location.

For the sake of consistency in reporting of incidence and mortality data, causes of death are coded to morphology (lymphohaematopoietic malignancies, Kaposi sarcoma and mesothelioma) and topography (others). Melanoma deaths are coded to the ICD-10 code, C43x, to distinguish them from deaths due to non-melanoma skin cancers (C44x). In accordance with IACR guidelines adopted by AACR, deaths due to melanomas of unknown primary site are now included with deaths due to primary skin melanoma.

Non-Western Australian diagnoses are excluded from incidence reporting routines but are recorded for reference. A system of aliasing duplicate or otherwise invalid records allows ongoing reconciliation of old data files with current database information, as necessary for follow-up studies.

Cancer Registry mortality reporting has been based on death certificate coding performed within the Registry since 1990. Reconciliation with coding by the Australian Bureau of Statistics is now an established monthly process. This exchange is important, as annual ABS-coded mortality files are normally not released until well into the year following death, which is, in some cases, a delay of almost 2 years.

Multiple tumours

Two or more discrete tumours of different (three-character) sites in any individual are counted separately for the purposes of incidence statistics. However, in accordance with international practice, tumours arising in sites coded with the same first three characters are counted as one. This, in effect, means that a person who has two similar tumours diagnosed, even many years apart, is reported only once in incidence statistics. This applies even when tumours arise in paired organs, e.g. lung or breast and are regarded as truly separate, unless the histology of the tumours concerned is different enough to permit the counting of both.

Groups of histological types considered to be different, for the purposes of allowing the counting of more than one tumour of the same three-character "site", are based on those in Jensen *et al* (1991). Currently the Registry uses the ICDO-2-based table as promulgated by the International Association of Cancer registries. Using these rules, for example, a squamous cell carcinoma of

A1 - 3

a World Health Organization (2000) ICD-O: International classification of diseases for oncology (Third Edition). WHO, Geneva.

Jensen OM, Parkin DM, MacLennan R <i>et al</i> (1991) France.	Cancer Registration.	Principles and methods.	IARC Scientific	Publications No. 95, Ly	on

the lung and an adenocarcinoma of the lung arising at any time will both be counted in incidence statistics. Lymphohaematopoietic malignancies are treated differently, being tabulated by morphology, and their discovery in a particular site does not preclude the counting of different types of neoplasms in the same sites. The renal tract is treated as a special case of an "extended site", whereby multiple transitional cell carcinomas of sites C65x to C68x, except bladder (C67x), are counted only once in a person.

While these practices govern the reporting of cancers for incidence statistics in accordance with international practice, it is an inescapable conclusion that multiple tumours have separate effects on health, and the best illustration of this is in relation to survival. Cases occur in which a person has a breast carcinoma, and is treated and considered cured, only to die from a second primary breast carcinoma arising many years later. Measuring survival time from the first tumour diagnosis (the "incident" tumour) and ignoring the presence of the second, can lead to a simplistic analysis which falsely underestimates cure rates. To allow better analysis, the Registry now separately records all tumours, and statistics counting tumours, rather than cases, can be provided if required.

"Death certificate only" cancers

Death certificate only (DCO) cancers are those for which no information other than a death certificate is available. From mortality data, records of previously-unknown tumours are created on the Cancer Registry, and efforts are made to obtain independent verification of details. Those for which no supporting information can be obtained after research are treated in subsequent reports as "death certificate only" (DCO) tumours. Up to 60 tumours are followed up in this way each month, and supporting information is eventually obtained for the vast majority. Very few tumour records remain in this category. Tumours of unknown primary site are consistently more common among DCO cases than among all cancers (Section 3.1).

To achieve such a low proportion of DCO cases, reporting of statistics must be delayed, until most follow-up is complete. Rapid access to death notifications assists the Registry to commence enquiries while information is still accessible. Due to workload issues, DCO cases are now been treated as "resolved" if a compatible hospital discharge record is found.

Lymphomas

ICD-O codes are used for coding lymphomas, however several "in-house" morphology codes are used when the best ICD-O code is too general; these are shown in the footnote to the table in Appendix 2F(b). These codes are converted, when contributing data to others, to the relevant less-specific ICD-O code.

Basis of Diagnosis

Most notifications result from diagnoses made on the basis of tissue examination (histology, cytology, haematology), and these are generally regarded as the most reliable. Their percentage of the total cases is shown in the "TissDx" column of some tables in this report.

Additional data for specific tumour types

A number of additional data items are collected for some tumours. For primary invasive breast cancer, the Registry records maximum tumour diameter, number of axillary lymph nodes biopsied and the number affected by cancer, whether a tumour is multi-centric, and whether there is associated ductal carcinoma in situ (DCIS) outside the margins of the invasive tumour. For primary skin melanoma, the maximum thickness of the tumour and Clark's level are recorded (Breslow 1970^a Clark *et al* 1975^b), and are used in many of this Registry's reports.

^a Breslow A (1970) Thickness, cross-sectional area and depth of invasion in the prognosis of cutaneous melanoma. Ann Surg **172**, 902-908

b Clark WH et al (1975) The developmental biology of primary cutaneous malignant melanoma. Seminars in Oncology 2, 83.

Quality assurance

Data quality is assessed in various ways, both continuous and occasional. On a continuous basis, all coding on pathology reports, and the details entered on the database, are checked by a second member of the Registry staff, and queries are referred to a Registry medical officer. In addition, the Registry database system incorporates various "unusual case" warnings, based on dates, sex, and age. A case-flagging system, based on site and tissue combinations and the rules encapsulated in a modified version of IARC's "Check" routine, 5 warns of unusual records. A verification code is assigned to records which do not fit the "rules" but which are believed to be correctly coded.

Available external indicators of Registry completeness are all potentially biased in favour of cancers which are more often serious, causing hospitalization or death. Reports from radiation oncologists serve as a useful avenue for checking receipt of reports based on previous pathology specimens, and enables recording of a small number of cancers which were not diagnosed histologically. The Hospital Morbidity System, which records details of all hospitalizations in Western Australia, is another potential source of information regarding Registry completeness.

If trends in incidence, mortality and migration are constant, then the ratio of the number of new cancer diagnoses registered to the number of cancer deaths (mortality to incidence ratio) serves as a crude indicator of completeness.

Uses of Cancer Registry data

Non-identifying data are available for release to interested parties, subject to time constraints, as data files or as finished tables and figures. Only data which do not identify any patient, care provider or institution can be treated in this manner. Release of named information is strictly controlled (see "Confidentiality guidelines") and data can only be released to persons other than the original providers (or other clinicians involved in ongoing care of the individual) with personal consent, or a formal approval from the Confidentiality of Health Information Committee (CHIC) which is responsible to the Minister for Health.

Data are used in a wide variety of research projects, including the recruitment of subjects for descriptive and case-control studies. Specific requests have included data on incidence in specific areas, cancer deaths by location and institution type, melanoma levels and depths, mesothelioma deaths and occupation, teenage cancers, myeloma survival and ocular melanoma. Registry data have been used in a number of studies of cancer incidence, and in a number of national projects, most notably those commissioned by the National Breast Cancer Centre.

In addition to technical and statistical enquiries, the Registry receives general and personal enquiries regarding cancer services and medical problems; these are referred when appropriate to other agencies and treating physicians.

The Registry provides support for four hospital-based cancer registries. In the hospital setting, with clinical and pathological staging and treatment data, the availability of mortality data facilitates the assessment of outcomes using survival analysis.

Appendix 1B. Current issues

Registry staffing and workload

In 2003, a long process seeking reclassification of "Clerical officers" to a higher level, redesignated "Data quality officers", came to a successful conclusion. The resources now available to service the needs of a population of 1.9 million people now include -

Principal Medical Officer/Manager	1.0 fte
Medical Officer/coding adviser	0.2 fte
Data Quality Officers	3.5 fte
Mesothelioma research officer	0.25 fte
Analyst/programmer	1.0 fte

Additional resources used include financial/ Human Resources services, the cooperation of the Epidemiology Branch on some statistical issues, and production/graphic design services from the Health Promotion Branch. However all reports such as this are produced primarily within the Registry itself.

Workload is not adequately represented by cancer totals, as demonstrated by the following data: in 2003 there were 8653 cancer cases as mentioned earlier in this report. However, in the same year there were 13531 pathology records added to the registry databases, and 18096 records were edited in some way by staff.

The increases in these workload estimates exceed population growth rates, and underscore the need to properly resource such disease registries to ensure a continued capacity to deal with the demands of health service planners, researchers, students and the public.

Assessment of current notification system and Regulations

Western Australia is the only Australian State in which there is no legal requirement for the direct notification of cancer diagnoses by hospitals; there is consequently some incompleteness in WA statistics for some cancer types. As a result of a successful "Graduate Oficer" placement request made under a new Department of Health program in 2004, a review and update of a previous assessment of the opportunities for more complete notification based on hospital data for non pathologically-diagnosed cancers, is in progress. The findings are expected to support a process for revising the Health (Notification of Cancer) Regulations 1981 so as to require hospital notification.

Current data systems cannot be used satisfactorily for this purpose as there are 3 key data items - basis of diagnosis, date of diagnosis and place of residence at diagnosis - that are not included. The Registry has participated in consultations concerned with a replacement of the (public) hospital Patient Administration System, and these data items are to be considered when choosing potential replacement systems.

Appendix 2. Technical and miscellaneous information Appendix 2A. Glossary

General

ABS Australian Bureau of Statistics

Age-adjusted rate - rate resulting from age-standardization using only a subset of the entire

age range for cases and population, e.g. 0 - 15 years.

ASR Age-standardized rate per 100,000 persons ("World standard"

population) (Segi 1960)^a

ASPR Age-specific rate per 100,000 persons in a specified age range

BCC Basal cell carcinoma

CHIC Confidentiality of Health Information Committee

DCO Death certificate only

LHN Lymphohaematopoietic Neoplasms

NMSC Non-melanoma skin cancer

SCC Squamous cell carcinoma

SD Standard deviation

ICD-O International Classification of Diseases for Oncology

LR Lifetime risk (to a particular age, usually 75 years)

NOS Not otherwise specified

PYLL Person-years of life lost (before a particular age, usually 75 years)

Additional terms used in column headings of incidence and mortality tables:

95% c.i. Statistical 95% confidence interval

Crude rate per 100,000 persons

Cum inc Cumulative incidence (%)(before a particular age, usually 75 years)

SD Standard deviation

Risk Lifetime risk (usually to age 75; 1 in n). In some tables, "-" indicates no

data, "*" indicates a risk of less than 1 in 1.000.

TD% Percentage of diagnoses made on basis of tissue examination (histology,

haematology or cytology).

^a Segi M (1960) Cancer mortality for selected sites in 24 countries (1950-1957). Sendai, Japan, Tohoku University Press.

Appendix 2B. Statistical methods and formulae

Age groups

The basis for most statistics is a summation of cases by five-year age groups. Age groups are expressed in whole years, ie "10-14" means 10.0 to 14.99.... years.

Rates

Rates in this report are calculated separately for males and females and are expressed as cases per 100,000 person-years. (If one year's data are being analyzed, this is equivalent to n cases per 100,000 population for that year.)

Age-specific rates are based on five-year age intervals and are calculated by dividing the numbers of cases by the population of the same sex and age group.

Crude rates are calculated simply as the total cases divided by the total population over a wide age range; they are not suitable as a basis for comparison of rates in different areas if the age-structures of the populations differ.

Age-standardized rates (ASR in Tables) are calculated by the direct method ^a and represent a summation of weighted age-specific rates (weighting being determined by the relative proportion of the population in each age group compared with the proportion in the World Standard Population ^b). Weightings by other population standards can be used if requested.

The **standard deviation**, or Estimated Standard Error (ESE) is used as a measure of variability for rates in tables; an approximate 95% confidence interval for a rate is (rate \pm 1.96 ESE).

Formulae:

ASR =
$$10^5 \times \Sigma_i r_i \times w_i$$
; ESE = $10^5 / W \times [\Sigma_i \{ r_i \times (1 - r_i) \times w_i^2 / n_i \}]^{1/2}$,

where w_i is the World Standard Population ^b for the *i*th age group, $W = \Sigma_i \ w_i$ and Σ_i denoted summation over all (relevant) age groups.

Subsets of the full age range: where a subset of age groups is considered, the term **age-adjusted rate** is used instead of ASR, to indicate that standardization has taken only the age groups of interest into account for both cases and population.

Comparison of rates between different areas may be done using indirect standardization. In this process, for example, the State population and age-specific rates are used to calculate an expected number of cases in different areas, based on their populations; the observed and expected numbers are compared using the Standardized Incidence (or Mortality) Ratio and a 95% confidence interval.

Relative survival has been calculated using Relsurv 2.5 (Hedelin^c) which produces 5-year survival for even most recent cases by mathematical modelling. Detailed methods may be found in Threlfall TJ, Brameld K (2000) *Cancer survival in Western Australian residents*, 1982-1997 (see WACR Publications) - which used an earlier version of the software.

^a Rothman KJ (1986) *Modern epidemiology*. Little, Brown & Company, Boston.

^b Segi M (1960) Cancer mortality for selected sites in 24 countries (1950-1957). Sendai, Japan, Tohoku University Press.

^c Hedelin G (2001) Relsurv A program for relative survival. Laboratory for Epidemiology and Public Health, Faculty of Medicine, 6700 Strasbourg Cedex, France.

Cumulative Incidence and Lifetime Risk

The **cumulative incidence** of a condition (at a given age) is a measure of the proportion of all persons who have, by that age, been affected by the condition; the Registry calculates this for cancer incidence, and death due to cancer. Cumulative rates are calculated by summing the age-specific rates for specified five year age groups, and are expressed as percentages unless otherwise noted.

In general, a **risk** is derived from the cumulative rate and is interpreted as a "1 in n" chance of developing the disease, while cumulative rates are commonly presented as percentages affected. In Registry reports, risk is usually presented as lifetime risk derived from the cumulative risk for age groups 0-4 to 70-74. However, in tables restricted to age subgroups, risk is derived from the cumulative rate calculated for the age groups listed - e.g. 15-39 years, 40-64 years and 65 years and older.

The method for Risk calculations assumes that the risks at the time of estimation remain the same throughout life, and does not account for the effects of death from other causes or interventions which may reduce the chances of a cancer diagnosis.

Formulae:

The formulae for CI and Risk are:

$$CI = \Sigma_i r_i \times 5$$
; $Risk = 1/(1 - e^{-CI})$.

Person years of life lost

Person-years of life lost (PYLL) is an estimate of the number of years of life lost due to specific causes of death, and is calculated up to age 75 years, as an index of premature death. The calculations rely on the use of all-causes mortality data for the whole of Western Australia using the methods of Hakulinen and Teppo as presented in Holman *et al.* ^{a.}

In this report the PYLL is calculated for age 0 to 74 years as a measure of premature death.

Formulae:

For each cause of death, the PYLL lost for the *i*th five-year age group is given by: $S_i = 5 \times \{ \Sigma_{j=0,\dots,i-1} \{ d_j \times p_j^{1/2} \times P_{j+1,i} \times [a_i \times (1 - p_i) + p_i] + d_i \times (1 - a_i) \times (1 + p_i^{1/2})/2 \}$

where a_i is the proportion of the *i*th five-year interval that a person dying during that interval lives, on average. The values used are 0.09, 0.46, 0.54, 0.57, 0.49, 0.50, 0.52, 0.54, 0.54, 0.54, 0.53, 0.52, 0.52, 0.52, 0.51, 0.51, 0.48, 0.45 for age groups 0-4, 5-9, ..., 85+, d_i is the number of deaths from the cause of death of interest in the *i*th age group, p_i is the probability of surviving the *i*th age interval after eliminating the cause of death of interest, and

$$P_{j+1,i} = \prod_{k=j+1,\dots,i-1} p_k$$
 for $j+1 < i$, or 1 for $j+1 = i$.

The quantity p_i is calculated as -

$$p_i = \{ (1 - 5 \times a_i \times r_i) / (1 + 5 \times (1 - a_i) \times r_i) \}^{(D_i - d_i)/D_i}$$

where r_i is the death rate and D_i is the total number of deaths for the *i*th age group.

^a Holman CDJ, Hatton WM, Armstrong BK, English DR (1987) *Cancer mortality trends in Australia, volume II, 1910 - 1984.* Health Department of Western Australia, Perth, Occasional Paper number 18.

Appendix 2C. Populations and geographic areas

The following W.A. population data were used for calculation of 2003 rates in this report

Age	Males	(%)	Females	(%)	Total	(%)
0- 4	63362	6.5	60954	6.2	124316	6.4
5- 9	68611	7.0	64742	6.6	133353	6.8
10-14	72086	7.4	68593	7.0	140679	7.2
15-19	73471	7.5	69997	7.2	143468	7.3
20-24	70783	7.2	67774	6.9	138557	7.1
25-29	67271	6.9	65370	6.7	132641	6.8
30-34	74450	7.6	73651	7.6	148101	7.6
35-39	72569	7.4	72971	7.5	145540	7.5
40-44	76646	7.8	76994	7.9	153640	7.9
45-49	71108	7.3	71733	7.4	142841	7.3
50-54	66741	6.8	65892	6.8	132633	6.8
55-59	57468	5.9	53922	5.5	111390	5.7
60-64	42010	4.3	40578	4.2	82588	4.2
65-69	32900	3.4	33579	3.4	66479	3.4
70-74	26888	2.8	28768	2.9	55656	2.9
75-79	20562	2.1	24742	2.5	45304	2.3
80-84	12233	1.3	18340	1.9	30573	1.6
85 +	7689	0.8	16792	1.7	24481	1.3
TOTAL	976848	(100)	975390	(100)	1952238	(100)

(Data from Australian Bureau of Statistics as collated by Health Information Centre, Department of Health, and used for calculation of rates in this Report.)

The Department of Health's area of responsibility is administered through 3 Area Health Services (AHS) (2 metro, 1 rural) and the Country Health Service, comprising 6 regions. Overall, the area is divided into 34 Health Districts (HD). Each Health District (HD) lies entirely within an Area Health Service (AHS) or a Health Region (HR) (for Country Area Health Service). Areas have been re-named, and there have been boundary changes. These changes have been incorporated in data files and in the population files used for calculation of incidence and mortality rates in this report.

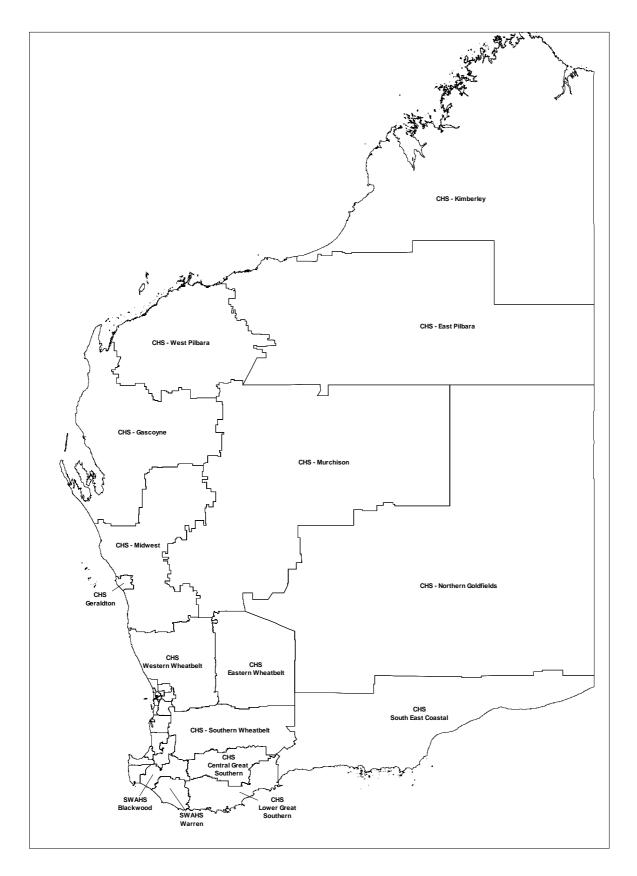
The table and maps below should assist comparison of boundaries and area names with those used in previous reports.

Health District composition of Area Health Services and Regions as used for this Report

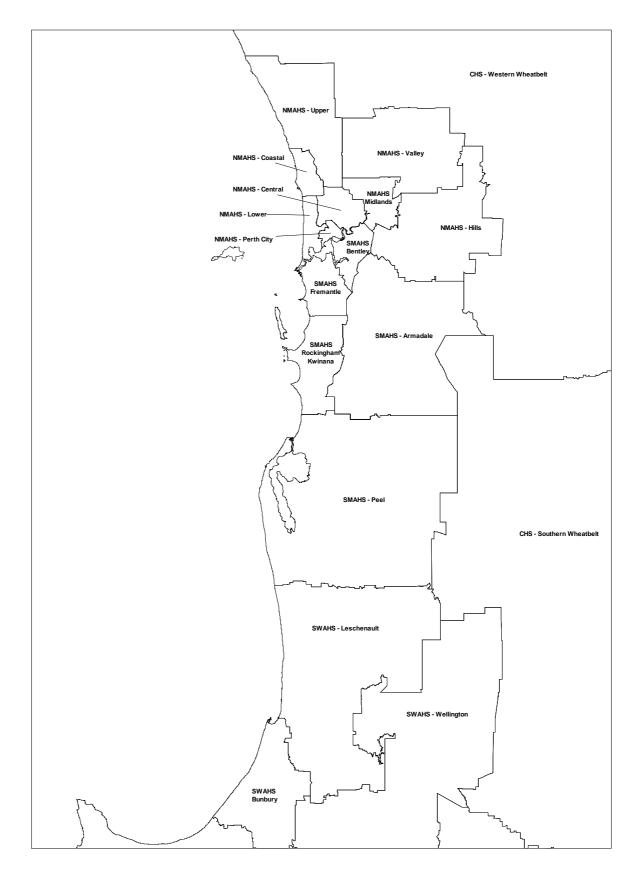
CHS Kimberley HR	CHS Goldfields SE Coastal HR	North Metro AHS
Kimberley HD	Northern Goldfields HD	NMAHS Central HD
CHS Pilbara Gascoyne HR	South East Coastal HD	NMAHS Coastal HD
East Pilbara HD		NMAHS Hills HD
Gascoyne HD	CHS Great Southern HR	NMAHS Lower HD
West Pilbara HD	Central Great Southern HD	NMAHS Midlands HD
CHS Midwest Murchison HR	Lower Great Southern HD	NMAHS Perth City HD
Geraldton HD		NMAHS Upper HD
Midwest HD	South West AHS	NMAHS Valley HD
Murchison HD	SWAHS Blackwood HD	
CHS Wheatbelt HR	SWAHS Bunbury HD	South Metro AHS
CHS Eastern Wheatbelt HD	SWAHS Busselton HD	SMAHS Armadale HD
CHS Southern Wheatbelt HD	SWAHS Leeuwin HD	SMAHS Bentley HD
CHS Western Wheatbelt HD	SWAHS Leschenault HD	SMAHS Fremantle HD
	SWAHS Warren HD	SMAHS Peel HD
	SWAHS Wellington HD	SMAHS Rockingham-Kwinana HD

^{*} CHS - Country Health Service - rural other than South west AHS

W.A. Area Health Service, Region and Health District boundaries (a)



W.A. Area Health Service, Region and Health District boundaries (b)



Appendix 2D. Confidentiality guidelines

- 1. Responsibility for the confidentiality of data held by the Cancer Registry will ultimately lie with the Director General of Health (hereafter referred to as the Director General).
- 2. All Cancer Registry staff will be instructed regarding the need for confidentiality. In addition, Cancer Registry staff will be required to sign a confidentiality declaration. The Senior Medical Officer of the Cancer Registry will be responsible to the Commissioner for ensuring that procedures for ensuring confidentiality are maintained.
- 3. Release of data may occur at a number of levels:
 - (a) Summarized statistical information containing no means of identifying any individual patient, doctor, laboratory or hospital will be available for the purposes of general information and education.
 - (b) More detailed statistical information, which may include data files for analysis, but containing no means of identifying any individual patient, doctor, laboratory or hospital, may be released by the Senior Medical Officer.
 - (c) Identified information will normally be made available to relevant Australian State or Territory Cancer Registries and to the National Cancer Statistics Clearing House at the Australian Institute of Health and Welfare, for the purposes of improving data quality and consistency. Data are released to the N.C.S.C.H. subject to a provision that any use of such identified data for other purposes is to be referred to this Registry for approval.
 - (d) Special information pertaining to identified patients of a particular hospital or doctor may be released by the Senior Medical Officer to the Medical Superintendent of the hospital, or to the doctor, in response to a written request; such requests may be referred to the Department of Health (Western Australia)'s Confidentiality of Health Information Committee if there is concern regarding the identification of individual service providers.
 - (e) Applications for further information required for specific areas of research will be referred to the Confidentiality of Health Information Committee which, subject to formal application, may approve the release of identified information to researchers. Such approval will normally include directions regarding steps which may be taken by the researcher in approaching other persons or bodies for further information with respect to persons so identified.
 - (f) Approval for the release of identified information for the purposes of research (i.e. in the case of (e) above) will be subject to the current Code of Practice of the Confidentiality of Health Information Committee. This Code includes requirements for written protocols, signed confidentiality declarations, contact with treating doctors prior to any contact with named individuals, and consent. The approach of the Committee is summarized by the Code's general statement "Names are only released by the Confidentiality of Health Information Committee on behalf of the Commissioner of Health for medical and public
 - Committee on behalf of the Commissioner of Health for medical and public health research which is intended to provide important benefit for the health care of the community and which adheres to stringent guidelines for preserving confidentiality and privacy."

Appendix 2E. Cancer notification regulations

HEALTH (NOTIFICATION OF CANCER) REGULATIONS 1981*

(as modified by the Health (Notification of Cancer) Amendment Regulations 1996)** MADE by His Excellency the Governor in Executive Council.

1. These regulations may be cited as the Health (Notification of Cancer) Regulations 1981.

Citation.

2. These regulations shall come into operation on 1 August 1981

Commencement.

- 3. In these regulations, unless the contrary intention appears, the term "cancer" means any malignant growth of human tissue which if unchecked is likely to spread to adjacent tissue and beyond its site of origin and includes -
- Interpretation.

(a) all in situ neoplasms;

5.

- (b) all malignant neoplasms of the skin other than primary basal cell carcinoma and primary squamous cell carcinoma;
- (c) all neoplasms of the brain, spinal cord and cranial nerves, and any other intracranial neoplasms, whether benign or malignant.
- 4. Cancer is prescribed as a condition of health to which Part IXA of the Health Act 1911 applies.

Cancer prescribed as a condition of health.

(1) A medical practitioner who undertakes pathological or biochemical examinations of specimens of human origin, including blood, shall, within 30 days of becoming aware that any specimen indicates that the person from whom it is taken suffers from cancer, forward to the Executive Director of Public Health a copy of any report that he may make upon the examination.

Notification by pathologist.

- (2) A report made under subregulation (1) of this regulation in respect of any person shall include -
 - (a) the full name and address of the person;
 - (aa) the sex and date of birth of the person;
 - (b) the name of the medical practitioner by whom the person is referred for examination; and
 - (c) if the person is a patient in a hospital, the name and address of the hospital.
- 6. A person who is in charge of any place in which cancer is treated by ionising radiation or accelerated atomic particles shall, within 30 days of the first occasion on which any person is so treated, furnish the Executive Director of Public Health with the following information in relation to that person, namely -

Notification by radiation oncologist.

- (a) full name and address of the person;
- (b) sex and date of birth of the person; and
- (c) the type of cancer for which that person is being treated.
- (d) the name of the medical practitioner by whom the person is referred for examination; and
- (e) if the person is a patient in a hospital, the name and address of the hospital.
- 7. A fee of \$4 for each person in respect of whom notification is made under regulation 5 or 6 is payable to the person who makes the notification to the Executive Director of Public Health.

Fee for notification.

8. (1) Where the Executive Director of Public Health is notified of the name of a person who suffers from cancer or who is treated for cancer the Executive Director of Public Health may request any medical practitioner or person in charge of a hospital to provide him with any information of the kind set out in the Schedule to these regulations that is known to the medical practitioner in relation to that person.

Executive Director of Public Health may require further particulars.

- (2) A person to whom a request is made pursuant to subregulation (1) of this regulation shall comply with that request within 30 days of the receipt of the request.
- 9. (1) A person who contravenes a provision of the regulations specified in the Table to this subregulation commits an offence.

Table

Regulations 5, 6 and 8(2).

- (2) A person who commits an offence under subregulation (1) is liable to a penalty which is not more than \$1,000 and not less than -
 - (a) in the case of a first offence, \$100;
 - (b) in the case of a second offence, \$200; and
 - (c) in the case of a third or subsequent offence, \$500.

(* Published in the Gazette of 24 July 1981 at pp. 3056-6. For amendments to 15 January 1996 see 1994 Index to Legislation of Western Australia, Table 4, pp. 130-131.)

** Presented in good faith as an accurate representation of the content of Regulations and Schedule as amended February 1996.

HEALTH (NOTIFICATION OF CANCER) REGULATIONS 1981* (as modified by the Health (Notification of Cancer) Amendment Regulations 1996)**

(continued)

Schedule.
NOTIFICATION OF CANCER.

NAME OF PATIENT:

ADDRESS:

SEX:

DATE OF BIRTH: OCCUPATION: MARITAL STATUS:

PLACE AND COUNTRY OF BIRTH:

RACE:

DATE OF DIAGNOSIS OF CANCER:

PLACE OF RESIDENCE OF PATIENT AT DIAGNOSIS OF CANCER:

DATE OF ADMISSION OR OUTPATIENT CONSULTATION:

PRIMARY SITE OF CANCER (where known):

MORPHOLOGICAL SUBTYPE OF CANCER (where known):

METHOD OF DIAGNOSIS OF CANCER:

By His Excellency's Command.

Clerk of the Council.

Appendix 2F. Cancer codes

(a) ICD-O Site codes

$Codes^{(1)}$	Site/Topography	Codes	Site/Topography
C00	Lip	C40 - C41	Bones, joints & articular cartilages
C01 - C02	Tongue	C44	Skin
C03	Gum	C47	Nervous system, peripheral & autonomic
C04	Floor of mouth	C48	Retroperitoneum and peritoneum
C05 - C06	Palate, other & u/s parts of mouth	C49	Connective, subcutaneous & other soft tissues
C07 - C08	Parotid & other major salivary gland	C50	Breast
C09 - C10	Tonsil & oropharynx	C51 - C52	Vulva & Vagina (2)
C11	Nasopharynx	C53	Cervix uteri
C12 - C13	Pyriform sinus & hypopharynx	C54	Corpus uteri (Uterus)
C14	Pharynx, other & ill-def. sites	C55	Uterus, nos (not used)
C15	Oesophagus	C56 - C57	Ovary, uterine adnexa & other fem. genital(2)
C16	Stomach	C58	Placenta
C17	Small intestine	C60 & C63	Penis & other male genital organs
C18	Colon	C61	Prostate gland
C19 - C20	Rectosigmoid junction & rectum	C62	Testis
C21	Anus	C64 - C66	Kidney & other renal tract
C22	Liver & intrahepatic bile ducts	& C68	
C23 - C24	Gallbladder & bile ducts	C67	Urinary bladder
C25	Pancreas	C69	Eye & lacrimal gland
C30 - C31	Nasal cavity & sinuses, middle & inner ear	C70	Meninges (cerebral & spinal)
C32	Larynx	C71	Brain
C33 - C34	Lung, bronchus & trachea	C72	Spinal cord & cranial nerves
C37	Thymus	C73	Thyroid gland
C38	Pleura, heart & mediastinum	C74 - C75	Adrenal & other endocrine glands
		C80	Unknown primary site

Notes: (1) Only 1st 3 characters are shown. Groupings are based on IARC rules governing the reporting of incident cancers for ICDO-3; (2) Groupings implemented for the first time in this report.

Using these same rules, non-lymphohaematopoietic neoplasms of primary sites reported as C26 (Intestinal tract NOS), C39 (respiratory tract ill-defined / NOS), C42 (haematopoietic system), C76 (large body regions NOS) and C77 (lymph nodes) are tabulated as cancers of unknown primary site.

(b) Morphology code groups for lymphohaematopoietic malignancies

The tabulation scheme for lymphohaematopoietic neoplasms (LHNs) used in previous WACR reports was based on a combination of groupings used in ICD-O, ICD9 and ICD10, which reflected, to varying degrees, previous well-accepted classification schemes such as the REAL and the Working Formulation. Increasingly, classification of such tumours as used by pathologists and clinicians has changed, and older headings have become somewhat irrelevant to modern medical practice.

The tabulation groupings used in this report are based on those used in the ICDO-3 classification, which has been influenced by the WHO Classification of Haematopoietic and Lymphoid Neoplasms (2001). In the current report, group headings still retain terms such as lymphoma and leukaemia, for the sake of familiarity. While these names remain in the WHO scheme for individual conditions, group headings have in many cases been replaced by less-specific terms such as "B-Cell neoplasms" and "T-cell neoplasms" which will be unfamiliar to many users of Cancer Registry data. Depending on developments in this area (and on decisions made by other Registries, and by others who are concerned that cancer classification should be compatible with non-cancer disease classifications using ICD-10), future reports may eventually follow the WHO classification scheme.

The main changes in this report, using ICDO-3, are that conditions previously not regarded as malignant (e.g. polycythaemia and myelodysplastic diseases) are now included as "cancers".

Revised multi-level tabulation scheme for reporting of Malignant lymphohaematopoietic neoplasms (WACR 2003)

po	nacinator	oretre medphasms (**110112000)		
4 811 1			WACR code	ICDO-3 M codes
	ymphomas		Y**	
1a		as, NOS/unclassifiable	YUC	9590
1b	Hodgkin ly	ymphoma	YHO	9650-9667
1c	All NHL		YN*	
	1c1	NHL, mature B Cell	YNB	9670-9671, 9673, 9675, 9678- 9680, 9684, 9687, 9689-9691, 9695, 9698-9699
	1c2	NHL, mature T / N-K cell	YNT	9700-9702, 9705, 9708-9709, 9714, 9716, 9717-9719
	1c3	NHL, precursor cell lymphoblastic	YNP	9727-9729
	1c4	NHL, other / unclassifiable	YNO	9591, 9596-9599*
	1c1x	NHL, Burkitt (subset of 1c1)	YNBB	9687
2 Mye	eloma/Plasr	ma Cell tumours	P*	9731-9734
3 All I	eukaemias		L**	
3a	Leukaemi	as, NOS/unclassifiable	LUC	9800-9801, 9805
3b		as, lymphoid, all	LL*	
	3b1	Leukaemias, lymphoid, acute	LLA	9836-9837
	3b2	Leukaemias, lymphoid, chronic	LLC	9823
	3b3	Leukaemias, lymphoid, other/NOS	LLO	9820,9826, 9827, 9831-9834,
3c		as, myeloid, all	LM*	
00	3c1	Leukaemias, myeloid, acute	LMA	9840, 9861, 9866-9867, 9870-
	001	Educacinias, myciola, acate	LIVI/ (9874, 9891,9895-9897,
	3c2	Leukaemias, myeloid, chronic	LMC	9910,9920,9930-9931 9863,9875-9876
	3c3	Leukaemias, myeloid, other & NOS	LMO	9860
3d	Other leuk	•	LOT	9940,9945-9946,9948
Su	Other leur	Kaemias	LOT	3340,3340,3340
4 Oth	er lymphoh	aematopoietic malignancies		
4a	Myelodys	plastic diseases, all	HM*	
	4a1	Refractory anaemias/cytopaenias	HMR	9980-9985
	4a2	Myelodysplastic syndromes	HMS	9986-9989
4b	Chronic m	nyeloproliferative diseases, all	HC*	
		Chronic MPD, NOS	HCX	9960
	4b2	Polycythaemia rubra vera	HCP	9950
	4b3	Myelofibrosis/sclerosis	HCS	9961
	4b4	Other chronic MPDs	HCO	9962-9964
4c		nunoproliferative malignancies	HI*	
40	4c1	Mast cell tumours	HIM	9740-9742
	4c2	Malig. histiocytic/dendritic cell	HIH	9750, 9754-9758
	-10 2	neoplasms	1 111 1	,
	4c3	Other & U/S immunoproliferative neoplasms	HII	9760-9764

^{*9597, *9598} and *9599 are W.A.C.R. codes for "NOS" NHL which are able to be grouped as low, intermediate or high grade respectively but which could only be otherwise placed in the ICDO classification as code 9591.

Appendix 2G. WACR publications

Note: It is strongly recommended that retrospective studies utilize time-series that have been produced using updated versions of historical data, available from the Registry; and that figures from old reports not be used for such purposes. However, various topics of interest may be found in previous publications listed here.

FitzGerald P, Thomson N and Thompson J (1994) *Cancer incidence and mortality in Western Australia 1991*. Health Department of Western Australia, Perth, Statistical Series number 39.

Thompson J, FitzGerald P (1995) *Childhood cancer incidence, mortality and survival in Western Australia 1982-1991*. Health Statistics Branch, Health Department of Western Australia, Perth.

Threlfall TJ, Whitfort MJ, Thompson JR (1996) Cancer incidence and mortality in Western Australia, 1992-1994. Health Department of Western Australia, Perth, Statistical Series number 45.

Threlfall T, Morgan A (1996) *Malignant mesothelioma in Western Australia*, 1960 to 1994. Health Department of Western Australia, Perth, Statistical Series number 46.

Threlfall TJ (1997) Cancer incidence and mortality projections for Western Australia, 1996-2001. Health Department of Western Australia, Perth, Statistical Series number 50.

Threlfall TJ, Thompson JR (1997) Cancer incidence and mortality in Western Australia, 1995. Health Department of Western Australia, Perth, Statistical Series number 51.

Threlfall TJ, Thompson JR (1998) Cancer incidence and mortality in Western Australia, 1996. Health Department of Western Australia, Perth, Statistical Series number 55.

Threlfall TJ, Thompson JR (1999) *Cancer incidence and mortality in Western Australia*, 1997. Health Department of Western Australia, Perth, Statistical Series number 57.

Threlfall TJ, Brameld K (2000) *Cancer survival in Western Australian residents*, 1982-1997. Health Department of Western Australia, Perth, Statistical Series number 60.

Threlfall TJ, Thompson JR (2000) Cancer incidence and mortality in Western Australia, 1998. Health Department of Western Australia, Perth, Statistical Series number 61.

Threlfall TJ, Thompson JR (2002) Cancer incidence and mortality in Western Australia, 1999 and 2000. Health Department of Western Australia, Perth, Statistical Series number 65.

Threlfall TJ, Thompson JR (2003) Cancer incidence and mortality in Western Australia, 2001. Health Department of Western Australia, Perth, Statistical Series number 68.

Threlfall TJ, Thompson JR (2004) *Cancer incidence and mortality in Western Australia*, 2002. Department of Health, Western Australia, Perth. Statistical series number 71.

Appendix 2H. Guide to tables in Appendix 3

Note: The order of cancer types in the tables in Appendix 2F are the basis for the wideformat incidence and mortality tables in Appendix 3.

Terms and formatting

Terms used in table headings are explained under "Statistical methods" (Section 1.4) and abbreviations repeated in Appendix 2A.

Age groups are expressed in whole years, i.e. "10-14" means 10.0 to 14.99.... years.

For most cancers in the wide-format tables which follow, there are 2 rows for each sex. The upper one contains total cases, crude rate, ASR, ESE, risk and other summary statistics.

Under the headings for individual age groups, the upper rows also contain counts (cases or deaths) in whole numbers.

The numbers (1 decimal place) shown in the lower rows for each sex are age-specific rates per 100,000 for the relevant age group.

The larger, wide-format tables e.g. Appendices 3A, B and C, contain some sections which are summaries of others within the tables (e.g. "All Lymphomas"), hence the summation of case numbers or rates over all rows of the tables will not match the totals at the end of each table, which were calculated separately.

Order of cancer types within tables

In general, tables follow the order of cancer types as listed in **Appendix 2F**, with site-specific cancers listed first, then lymphohaematopoietic malignancies - lymphomas, myeloma, mast cell tumours, miscellaneous immunoproliferative tumours, then leukaemias - followed by the Unknown Primary Site and Total Cancers groups.

Note: The **mortality** appendix table includes deaths due to **all** non-melanoma skin cancers (NMSC), some of which are **not** listed in the Incidence tables. Some NMSC, such as Merckel cell or sweat gland carcinomas, are included in incidence statistics in this report, but these do NOT include basal cell carcinoma and squamous cell carcinoma.

Notes –

Appendix 3A now contains an incidence data summary for the most common cancer types on page A3-10.

Appendix 3A. Cancer	inci	dend	e, W	/est	ern A	Aust	alia,	200	3												
Age 0-4 5-9 10-14 15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD% (CumInc	Risk	ASR2
Lip (C000-C009) M		1 1.5	4 5.4	7 9.6	3 3.9	7 9.8	5 7.5	10 17.4	6 14.3	10 30.4	8 29.8	10 48.6	8 65.4	3 39.0	82	6.0	4.7-7.3	100	0.6	155	9.2 (7.2-11.3)
F	1 1.5	1 1.5	2 2.7	2 2.7	2 2.6	2 2.8	9	3 5.6	7 17.3	7 20.8	5 17.4	4 16.2	8 43.6	5 29.8	58	4.0	2.9-5.1	100	0.4	226	5.8 (4.3-7.3)
Tongue (C010-C029) M			1 1.3	2 2.8	2 2.6	3 4.2	3 4.5	2 3.5	5 11.9	4 12.2	3 11.2	1 4.9		1 13.0	27	2.2	1.4-3.0	100	0.3	370	2.9 (1.8-4.0)
F			1.3	2.0 1 1.4	1 1.3	4.2	4.5	3.5 1 1.9	11.9	2 6.0	1 3.5	3 12.1	1 5.5	1 6.0	11	0.7	0.2-1.1	100	0.1	1434	1.1 (0.5-1.8)
Gum (C030-C039) M				1.4	1.0	1 1.4		1.0		1 3.0	0.0	12.1	1 8.2	1 13.0	4	0.3	0 - 0.6	100	0.0	4499	0.5 (0 - 1.0)
F						1 1.4	1 1.5	2 3.7		0.0	1 3.5		2 10.9	10.0	7	0.4	0.1-0.8	100	0.1	1981	0.7 (0.2-1.2)
Floor of mouth (C040-C049) M					1 1.3	2 2.8		4 7.0	3 7.1	2 6.1	1 3.7				13	1.1	0.5-1.7	100	0.1	714	1.3 (0.6-2.0)
F										1 3.0		1 4.0	1 5.5	1 6.0	4	0.2	0 - 0.4	100	0.0	6716	0.4 (0.0-0.8)
Palate, other & u/s parts of mouth (C050-	·C069)																				
M					2 2.6	1 1.4	1 1.5	2 3.5	2 4.8	3 9.1	2 7.4				13	1.1	0.5-1.7	100	0.2	660	1.3 (0.6-2.1)
F			1 1.4		1 1.3				1 2.5			1 4.0	1 5.5	1 6.0	6	0.4	0.0-0.7	100	0.0	3906	0.6 (0.1-1.1)
Parotid & other major salivary gland (C07	'0-C089)																			
M					1 1.3		1 1.5	2 3.5	2 4.8	3 9.1	1 3.7	2 9.7	3 24.5	2 26.0	17	1.2	0.6-1.8	100	0.1	838	2.1 (1.1-3.1)
F	1 1.5	1 1.5	1 1.4			2 2.8	2 3.0	1 1.9		2 6.0	1 3.5	1 4.0		1 6.0	13	1.0	0.4-1.6	92	0.1	932	1.3 (0.6-2.0)
Tonsil & oropharynx (C090-C109)						_			_												2.4.4.2.2.3
M					1 1.3	2 2.8	4 6.0	3 5.2	2 4.8	3 9.1	4 14.9	1 4.9			20	1.6	0.9-2.3	100	0.2	454	2.1 (1.2-3.0)
F					1 1.3		1 1.5	1 1.9		1 3.0					4	0.3	0.0-0.6	100	0.0	2615	0.4 (0.0-0.8)
Nasopharynx (C110-C119)																					
M				1 1.4		2 2.8	2 3.0			2 6.1					7	0.6	0.2-1.0	86	0.1	1508	0.7 (0.2-1.2)
F															0						
Pyriform sinus & hypopharynx (C120-C13 M	39)					2 2.8	2 3.0	1 1.7	2 4.8		3 11.2		2 16.3		12	0.9	0.4-1.4	100	0.1	853	1.3 (0.6-2.1)
F						1 1.4									1	0.1	0 - 0.2	100	0.0	*	0.1 (0 - 0.3)

Appendix	x 3A. Cancer inc	idenc	e, W	este	ern A	ustr	alia,	200	3												
	5-9 10-14 15-19 20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD% (CumInc	Risk	ASR2
Pharynx, other & M	k ill-def. sites (C140-C149)						1 1.5	3 5.2	1 2.4	2 6.1	1 3.7		1 8.2		9	0.7	0.2-1.1	78	0.1	1059	0.9 (0.3-1.6)
F											1 3.5			1 6.0	2	0.1	0 - 0.2	50	0.0	5754	0.2 (0 - 0.5)
Oesophagus (C1 M	150-C159)		1 1.3		3 3.9	2 2.8	11 16.5	13 22.6	9 21.4	10 30.4	9 33.5	15 73.0	7 57.2	5 65.0	85	6.0	4.7-7.3	98	0.7	151	9.8 (7.7-11.9)
F					0.0	1 1.4	3.0	1 1.9	3 7.4	2 6.0	7 24.3	4 16.2	4 21.8	10 59.6	34	1.8	1.2-2.5	100	0.2	455	3.3 (2.2-4.5)
Stomach (C160- M	C169)	1 1.5	1 1.3	2 2.8	3 3.9	2 2.8	3 4.5	10 17.4	14 33.3	15 45.6	12 44.6	18 87.5	15 122.6	8 104.0	104	7.3	5.8-8.7	97	0.8	127	12.5 (10.0-14.9)
F							3 4.6	3 5.6	4 9.9	2 6.0	9 31.3	9 36.4	5 27.3	5 29.8	40	2.3	1.5-3.1	95	0.3	350	4.1 (2.8-5.4)
Small intestine (0 M	C170-C179)		1 1.3	1 1.4			5 7.5	1 1.7	3 7.1	1 3.0	2 7.4	1 4.9	2 16.3	2 26.0	19	1.4	0.8-2.0	100	0.1	677	2.2 (1.2-3.2)
F						1 1.4	2 3.0	4 7.4	2 4.9	2 6.0	2 7.0	1 4.0	2 10.9	2 11.9	18	1.2	0.6-1.8	89	0.1	674	1.8 (1.0-2.6)
Colorectal cance M	er (C18-C20, C218)	3		5	8	20	46	58	80	92	109	88	62	49	621	44.8	41.2-48.4	97	5.5	19	73.6 (67.7-79.5)
	1.4	4.5		6.9	10.4	28.1	68.9	100.9	190.4	279.6	405.4	428.0		637.3	02.	11.0	11.2 10.1	0,	0.0	10	70.0 (07.7 70.0)
F	1 1.5	1 1.5		7 9.6	11 14.3	16 22.3	28 42.5	38 70.5	52 128.1	49 145.9	63 219.0	81 327.4	63 343.5	57 339.4	467	28.5	25.7-31.4	96	3.3	31	47.1 (42.8-51.4)
Colon (C180-C18	89)				_												00 0 00 0				10.0 (00.0 10.5)
М		1 1.5		1 1.4	5 6.5	10 14.1	24 36.0	27 47.0	40 95.2	56 170.2	65 241.7	57 277.2	43 351.5	34 442.2	363	25.6	22.9-28.3	96	3.1	33	43.9 (39.3-48.5)
F	1 1.5			2 2.7	7 9.1	8 11.2	17 25.8	21 38.9	37 91.2	35 104.2	39 135.6	53 214.2	47 256.3	43 256.1	310	18.5	16.3-20.8	94	2.1	48	31.1 (27.6-34.6)
Rectosigmoid jur M	nction & rectum (C190-C209) 1 1.4	2 3.0		4 5.5	3 3.9	9 12.7	22 33.0	30 52.2	40 95.2	36 109.4	44 163.6	31 150.8	19 155.3	15 195.1	256	19.0	16.7-21.4	98	2.4	42	29.4 (25.8-33.1)
F		1 1.5		5 6.9	4 5.2	7 9.8	10 15.2	17 31.5	15 37.0	14 41.7	24 83.4	28 113.2	15 81.8	14 83.4	154	9.8	8.1-11.5	99	1.2	87	15.7 (13.2-18.2)
Anus (C210-C21	19)												_		_						
М						2 2.8		2 3.5		2 6.1			1 8.2	1 13.0	8	0.6	0.2-1.0	100	0.1	1617	0.9 (0.3-1.6)
F				1 1.4	2 2.6	3 4.2	2 3.0		2 4.9	1 3.0			1 5.5	2 11.9	14	1.0	0.5-1.6	100	0.1	1048	1.4 (0.6-2.1)
Liver & intrahepa M	atic bile ducts (C220-C229) 2 1					3	3	8	5	6	4	3	3	1	39	3.1	2.1-4.1	67	0.4	279	4.2 (2.9-5.6)
F	2.8 1.4			1		4.2	4.5 1	13.9 2	11.9 1	18.2 1	14.9 2	14.6 5	24.5 3	13.0	16	0.9	0.4-1.4	50	0.1	1054	1.7 (0.8-2.5)
				1.4			1.5	3.7	2.5	3.0	7.0	20.2									

Appendix 3A. Cancer incidence,	West	ern A	Austi	ralia.	200	3												
Age 0-4 5-9 10-14 15-19 20-24 25-29 30-3				•			65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD% (CumInc	Risk	ASR2
Gallbladder & bile ducts (C230-C249) M			1		3	1	5	4	2	1	1	18	1.3	0.7-2.0	78	0.2	512	2.1 (1.1-3.0)
F			1.4	4	5.2	2.4	15.2	14.9	9.7	8.2	13.0	40	2.1	1.4-2.8	65	0.2	555	4.0 (2.7-5.2)
Pancreas (C250-C259)			1.4	6.1	1.9	4.9	14.9	7.0	48.5		41.7	04		5070			404	10.7 (0.4.10.0)
M	2 2.8		2 2.8	9 13.5	10 17.4	10 23.8	12 36.5	14 52.1	18 87.5	8 65.4	5 65.0	91	6.4	5.0-7.8	54	0.8	134	10.7 (8.4-12.9)
F	2 2.7		2 2.8	5 7.6	3 5.6	4 9.9	13 38.7	13 45.2	9 36.4	12 65.4	11 65.5	75	4.5	3.4-5.6	53	0.6	176	7.5 (5.8-9.3)
	1 1 .3 1.4				1 1.7	1 2.4	3 9.1			1 8.2		8	0.6	0.2-1.1	100	0.1	1254	0.9 (0.3-1.5)
F	1 1.4				1 1.9	1 2.5	0			52		3	0.3	0 - 0.5	100	0.0	3516	0.3 (0 - 0.7)
Larynx (C320-C329) M			6 8.4	8 12.0	5	6	1	9	7	2	2	46	3.3	2.4-4.3	100	0.4	251	5.2 (3.7-6.7)
F		1 1.3	8.4	12.0	8.7	14.3 1 2.5	3.0 1 3.0	33.5 1 3.5	34.0 2 8.1	16.3	26.0	6	0.4	0.1-0.8	100	0.1	1958	0.6 (0.1-1.2)
Lung, bronchus & trachea (C330-C349)		1.3				2.5	3.0	3.3	0.1									
M	2 .7	4 5.2	15 21.1	27 40.5	43 74.8	59 140.4	59 179.3	103 383.1	96 466.9	71 580.4	24 312.1	503	34.5	31.4-37.7	89	4.2	24	60.1 (54.8-65.5)
F	2 2.7		13 18.1	20 30.4	21 38.9	33 81.3	45 134.0	39 135.6	59 238.5	45 245.4	21 125.1	301	18.8	16.5-21.1	84	2.2	45	30.7 (27.2-34.2)
Thymus (C370-C379) M	1											1	0.1	0 - 0.2	100	0.0	*	0.1 (0 - 0.3)
	.3														400		*	
F					1.9							1	0.1	0 - 0.2	100	0.0		0.1 (0 - 0.3)
Pleura, heart & mediastinum (C380-C389) M 1 1.4												1	0.1	0 - 0.4	100	0.0	*	0.1 (0 - 0.3)
F												0						
Bones, joints & articular cartilages (C400-C419) M 1		1			2	1		1				6	0.5	0.1-1.0	100	0.1	1621	0.6 (0.1-1.1)
1.5	4	1.3			3.5	2.4		3.7	,	•		c		0.000	100	0.0	E044	06/0444
F	1 1.4	2 2.6							4.0	2 10.9		6	0.3	0.0-0.6	100	0.0	5041	0.6 (0.1-1.1)
Skin (melanoma only) (C440-C449; M-8720 - 8774) M 1 6 10 13 2 1.4 8.2 14.1 19.3 36	.7 26 .3 35.8	49 63.9	51 71.7	59 88.4	99 172.3	53 126.2	58 176.3	79 293.8	57 277.2	39 318.8	23 299.1	650	49.4	45.5-53.3	100	5.5	19	71.4 (65.8-77.0)
F 1 4 12 12 3 1.5 5.7 17.7 18.4 42	31 21 .1 28.8	42 54.5	38 53.0	39 59.2	25 46.4	33 81.3	37 110.2	36 125.1	24 97.0	22 120.0	26 154.8	403	30.5	27.3-33.6	100	3.2	32	40.8 (36.8-44.8)

App	endix	3A.	Cano	er ir	ncid	lenc	e. W	/este	ern A	lusti	alia.	200	3												
Age			0-14 15-				•				•			65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD%	CumInc	Risk	ASR2
	t melanor	ma/SCC/	BCC) (C4	10-C449	9)										_	_		_			0740	400			2.4.4.1.7.2)
М						4 5.9		1 1.4	2 2.6	1 1.4	3 4.5	4 7.0	3 7.1	8 24.3	7 26.0	7 34.0	6 49.0	5 65.0	51	3.7	2.7-4.8	100	0.4	250	6.1 (4.4-7.9)
F			1 1.5			1 1.5			1 1.3	2 2.8	3 4.6	3 5.6	2 4.9	2 6.0	1 3.5	6 24.3	4 21.8	6 35.7	32	1.9	1.2-2.7	100	0.2	634	3.1 (2.0-4.2)
Mesothe	elioma (M	905; ICD										0.0		0.0	0.0										
M									1 1.3	1 1.4	3 4.5	4 7.0	4 9.5	15 45.6	9 33.5	8 38.9	6 49.0	5 65.0	56	4.0	3.0-5.1	96	0.5	195	6.7 (4.9-8.5)
F									1 1.3		1 1.5		3 7.4			3 12.1	2 10.9	3 17.9	13	0.7	0.3-1.2	100	0.1	1959	1.3 (0.6-2.0)
Kaposi s	sarcoma (M914; IC	D10 C46)						1.0		1.0		7.4			12.1	10.5	17.5							
M																1 4.9			1	0.0	0 - 0.1	100	0.0	0	0.1 (0 - 0.4)
F								1 1.4											1	0.1	0 - 0.2	100	0.0	*	0.1 (0 - 0.3)
Nervous M	system,	periphera	al & auton	omic (C	470-C	479)													0						
F					1 1.5												1 5.5		2	0.1	0 - 0.4	100	0.0	*	0.2 (0 - 0.5)
Retrope M	ritoneum	and perit	oneum (C	480-C4	89)														0						
F											2 3.0	3 5.6	1 2.5	1 3.0	2 7.0				9	0.7	0.2-1.2	100	0.1	953	0.9 (0.3-1.5)
	ive, subc	utaneous	& other s		es (C																				
M				1 .4		1 1.5	1 1.3	2 2.8	1 1.3	4 5.6	3 4.5	4 7.0	2 4.8	2 6.1	2 7.4	4 19.5		1 13.0	28	2.2	1.4-3.0	100	0.2	459	3.0 (1.9-4.2)
F	1 1.6			1 .4	1 1.5		1 1.4			1 1.4	1 1.5	2 3.7		1 3.0		1 4.0		1 6.0	11	1.0	0.3-1.6	100	0.1	1291	1.1 (0.4-1.7)
Breast (C500-C50	09)			1					1			1	2	1	1		1	8	0.7	0.2-1.1	100	0.1	1334	0.9 (0.3-1.6)
					1.4					1.4			2.4	6.1	3.7	4.9		13.0		-	· · ·		-		0.0 (0.0)
F			,	1 .4		6 9.2	20 27.2	44 60.3	70 90.9	143 199.4	173 262.6	170 315.3	139 342.6	107 318.7	77 267.7	62 250.6	67 365.3	40 238.2	1119	83.4	78.4-88.5	99	9.5	11	113.0 (106-120)
	igina (C5	10-C529)																							
F	1 1.6						1 1.4	1 1.4	1 1.3	1 1.4		3 5.6	2 4.9	3 8.9	6 20.9		6 32.7	9 53.6	34	2.1	1.3-2.9	91	0.2	423	3.3 (2.2-4.4)
Cervix u	teri (C530)-C539)		1	2	3	5	11	9	8	7	6	10	3	4	5	3	5	82	6.4	4.9-7.8	99	0.6	163	8.3 (6.5-10.1)
0-		0.0540	•	.4	3.0	4.6	6.8	15.1	11.7	11.2	10.6	11.1	24.6	8.9	13.9	20.2	16.4	29.8							
F	uteri (C54	iu-C549)				1 1.5	1 1.4	2 2.7	2 2.6	7 9.8	14 21.2	10 18.5	16 39.4	15 44.7	17 59.1	11 44.5	10 54.5	8 47.6	114	8.0	6.4-9.5	99	1.0	100	11.6 (9.5-13.8)
	nos (C550	D-C559)				1.0	1.4	2.1	2.0	3.0	41.4	10.0	JJ. 4	74./	JJ.1	74.0	54.5	71.0							
F										1 1.4	1 1.5								2	0.2	0 - 0.4	100	0.0	6869	0.2 (0 - 0.5)

App	endix 3A.	Canc	er incide	ence	, W	este	ern <i>A</i>	usti	alia,	200	3												
Age						35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD%(CumInc	Risk	ASR2
Ovary, F	uterine adnexa & o	other female 2 2.9	genital (C560)-C579)	1 1.4	6 8.2	5 6.5	12 16.7	12 18.2	16 29.7	9 22.2	15 44.7	6 20.9	14 56.6	11 60.0	11 65.5	120	8.2	6.6-9.7	91	0.9	117	12.0 (9.8-14.1)
Placent	ta (C580-C589)					0.2	0.0						20.0	00.0			0						
Penis 8	k other male genita	l organs (Ce	600-C639) (no	t C61 C	(62)																		
М	· ·		, ,		,		1 1.3	2 2.8	1 1.5		2 4.8					2 26.0	8	0.6	0.2-1.1	88	0.1	1928	1.0 (0.3-1.6)
	e gland (C610-C61	9)				2	2	20	64	150	101	247	204	170	100	72	1230	00.2	0E 0 0E 4	97	44.7	0	142.9 (435.454)
М						2 2.8	2 2.6	20 28.1	64 95.9	159 276.7	181 430.8	247 750.8	204 758.7	170 826.8	109 891.0	936.4	1230	90.2	85.0-95.4	97	11.7	9	142.8 (135-151)
Testis ((C620-C629)	1 1.4 1.	1 8 4 11.3 2	15 22.3	11 14.8	16 22.0	7 9.1	8 11.3	2 3.0		1 2.4	1 3.0	1 3.7			1 13.0	73	6.8	5.2-8.4	100	0.5	190	7.6 (5.8-9.3)
Kidney	& other renal tract			22.3	14.0	22.0	9.1	11.3	3.0		2.4	3.0	3.1			13.0							
М	2 1 3.2 1.5				3 4.0	2 2.8	5 6.5	9 12.7	6 9.0	16 27.8	18 42.8	16 48.6	21 78.1	17 82.7	12 98.1	5 65.0	133	10.0	8.2-11.8	91	1.2	85	15.1 (12.5-17.7)
F	1 1.5	1 1.5		2 3.1	1 1.4	7 9.6	3 3.9	1 1.4	5 7.6	10 18.5	3 7.4	10 29.8	12 41.7	13 52.5	7 38.2	4 23.8	80	5.5	4.2-6.8	95	0.6	158	8.2 (6.4-10.1)
Urinary M	bladder (C670-C6	79)						4	2	11	9	14	24	25	15	27	131	8.8	7.2-10.3	94	0.9	111	17.1 (14.1-20.0)
F		1					1	5.6	3.0	19.1 1	21.4 1	42.6 3	89.3	121.6 11	122.6 5	351.2 8	41	2.2	1.5-3.0	98	0.2	460	4.1 (2.8-5.4)
	acrimal gland (C69	1.5					1.3	2.8	3.0	1.9	2.5	8.9	6 20.9	44.5	27.3	47.6	41	2.2	1.5-3.0	90	0.2	469	4.1 (2.0-5.4)
M	2 3.2	0-0099)		1 1.5	1 1.3		2 2.6		1 1.5	2 3.5	2 4.8		1 3.7		2 16.3		14	1.3	0.5-2.0	100	0.1	907	1.5 (0.7-2.3)
F	3 4.9		1 1.5					1 1.4						1 4.0			6	0.8	0.1-1.6	100	0.0	2567	0.6 (0.1-1.1)
Mening M	es (cerebral & spin	al) (C700-C															0						
F																1 6.0	1	0.0	0 - 0.1	0	0.0	0	0.1 (0 - 0.2)
Brain (0 M	C710-C719) 2 1 3.2 1.5	2 2.8		1 1.5			8 10.4	7 9.8	11 16.5	5 8.7	8 19.0	11 33.4	6 22.3	6 29.2	5 40.9	1 13.0	74	6.1	4.6-7.5	81	0.6	155	8.0 (6.2-9.9)
F	1 1.6	3 4.4	1	3 4.6	3 4.1	3 4.1	4 5.2	5.6	2 3.0	7.4	7 17.3	5 14.9	10 34.8	2 8.1	10.0	4 23.8	56	4.7	3.4-6.0	86	0.5	185	5.8 (4.3-7.3)
Spinal M	cord & cranial nerv						1							1			2	0.1	0 - 0.3	100	0.0	*	0.2 (0 - 0.6)
F							1.3					1		4.9 1			2	0.1	0 - 0.3	100	0.0	6716	0.2 (0 - 0.5)
												3.0		4.0					3 0.0			•	(0 0.0)

Appe	endix	3A.	Ca	ncer	inci	iden	ce, V	Vest	ern <i>A</i>	ust	ralia,	200	3												
Age				15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD%	CumInc	Risk	ASR2
Thyroid o	gland (C7	730-C73	9)			3 4.5	2 2.7	5	1	5	3 4.5	5 8.7		2 6.1	2 7.4		1 8.2		29	2.4	1.5-3.3	100	0.2	408	3.0 (1.9-4.1)
F			1	1	2	6	7	6.9 13	1.3 11	7.0 17	17	9	7	6	7.4	1	1	1	100	8.4	6.7-10.1	100	0.8	127	10.1 (8.1-12.1)
Adrenal	& other e	ndocrin	1.5 e glands	1.4 s (C740	3.0 -C759)	9.2	9.5	17.8	14.3	23.7	25.8	16.7	17.3	17.9		4.0	5.5	6.0							
M	a outer c	2 2.9	c giaria.	1 1.4	0100)								1 2.4						4	0.5	0.0-1.0	100	0.0	3005	0.4 (0.0-0.8)
F	2 3.3			1 1.4							1 1.5	1 1.9			1 3.5				6	0.7	0.1-1.4	100	0.1	1731	0.6 (0.1-1.1)
LYMPHO	-	/ un alas	aifiah la																						
Lymphor M	na, NOS	/ unclas	ssifiable			1 1.5				1 1.4			1 2.4			1 4.9	2 16.3	1 13.0	7	0.5	0.1-0.9	71	0.0	3793	0.9 (0.2-1.6)
F									1 1.3		2 3.0	1 1.9					2 10.9	2 11.9	8	0.4	0.1-0.7	100	0.0	3232	0.7 (0.2-1.3)
Hodgkin	lymphom	na																							
М			1 1.4	2 2.7	1 1.4	2 3.0	2 2.7	2 2.8	1 1.3	1 1.4	1 1.5	1 1.7	1 2.4		1 3.7	3 14.6			19	1.7	0.9-2.5	100	0.1	770	2.0 (1.1-2.9)
F			2 2.9	3 4.3	2 3.0			1 1.4	3 3.9		2 3.0		1 2.5	1 3.0	1 3.5	2 8.1			18	1.7	0.9-2.5	100	0.1	731	1.8 (1.0-2.7)
All NHL M	2 3.2	1 1.5	2 2.8	2 2.7	1 1.4		6 8.1	6 8.3	8 10.4	10 14.1	11 16.5	19 33.1	17 40.5	22 66.9	19 70.7	19 92.4	18 147.1	9 117.1	172	13.0	11.0-15.0	98	1.4	72	19.6 (16.6-22.6)
F				1 1.4	3.0	2 3.1	3 4.1	1 1.4	11 14.3	8 11.2	14 21.2	18 33.4	16 39.4	14 41.7	17 59.1	19 76.8	14 76.3	14 83.4	154	10.4	8.7-12.2	99	1.2	86	15.5 (13.1-18.0)
NHL, ma	ture B ce	ell																							
М				2 2.7	1 1.4		4 5.4	4 5.5	6 7.8	8 11.3	6 9.0	16 27.8	11 26.2	10 30.4	10 37.2	15 73.0	13 106.3	5 65.0	111	8.0	6.5-9.5	99	0.8	122	12.6 (10.2-15.0)
F				1 1.4		1 1.5	2 2.7	1 1.4	7 9.1	7 9.8	8 12.1	10 18.5	12 29.6	8 23.8	10 34.8	13 52.5	10 54.5	11 65.5	101	6.7	5.3-8.1	99	0.7	139	10.1 (8.2-12.1)
NHL, ma M	ture YT/I	NK cell						1	1		1	1	2	1	5	1			13	1.0	0.5-1.6	100	0.2	619	1.4 (0.7-2.2)
IVI								1.4	1.3		1.5	1.7	4.8	3.0	18.6	4.9			13	1.0	0.5-1.0	100	0.2	019	1.4 (0.7-2.2)
F					1 1.5		1 1.4		1 1.3		1 1.5	2 3.7		2 6.0	2 7.0	1 4.0	1 5.5		12	0.9	0.4-1.4	100	0.1	899	1.2 (0.5-1.9)
	cursor co	, ,		С																					
М	2 3.2	1 1.5	1 1.4				1 1.3									1 4.9			6	0.8	0.1-1.5	100	0.0	2724	0.6 (0.1-1.2)
F						1 1.5													1	0.1	0 - 0.4	100	0.0	*	0.1 (0 - 0.3)
NHL, oth M	er/unclas	ssifiable	1				1	4	4	2	4	2	4	11	4	2	5	4	42	3.2	2.2-4.2	95	0.4	265	4.9 (3.4-6.4)
			1.4				1.3	1.4	1.3	2.8	6.0	3.5	9.5	33.4	14.9	9.7	40.9	52.0							, ,
F 					1 1.5				3 3.9	1 1.4	5 7.6	6 11.1	4 9.9	4 11.9	5 17.4	5 20.2	3 16.4	3 17.9	40	2.7	1.8-3.6	98	0.3	310	4.1 (2.8-5.3)

App	endix	3A.	Ca	ncer	inc	iden	ce. W	Vest	ern <i>A</i>	lusti	alia.	200	3												
Age	0- 4					25-29	-				-			65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD% (CumInc	Risk	ASR2
Lymphoi M	mas (all) 2 3.2	1 1.5	3 4.2	4 5.4	2 2.8	3 4.5	8 10.7	8 11.0	9 11.7	12 16.9	12 18.0	20 34.8	19 45.2	22 66.9	20 74.4	23 111.9	20 163.5	10 130.1	198	15.2	13.0-17.4	97	1.6	65	22.5 (19.3-25.7)
F	3.2	1.5	2	4	4	2	3	2	15	8	18	19	17	15	18	21	16	16	180	12.5	10.6-14.5	99	1.3	75	18.1 (15.5-20.8)
MYELO	мл		2.9	5.7	5.9	3.1	4.1	2.7	19.5	11.2	27.3	35.2	41.9	44.7	62.6	84.9	87.2	95.3							
	a/plasma	cell tur	nours																						
M									1 1.3	1 1.4	4 6.0	4 7.0	4 9.5	6 18.2	7 26.0	6 29.2	8 65.4	7 91.0	48	3.3	2.3-4.2	88	0.3	288	6.0 (4.3-7.7)
F						1			1.3	1.4	4	6	9.5	10.2	20.0	29.2	3	81.0	44	2.8	1.9-3.7	91	0.4	268	4.4 (3.1-5.7)
F						1.5			2.6		6.1	11.1	7.4	14.9	31.3	12.1	16.4	47.6	44	2.0	1.9-3.7	91	0.4	200	4.4 (3.1-3.7)
LEUKAI	_	2/un ala	a aifi a b la																						
M	nias, NOS	5/uncia	SSIIIADIE	;				1 1.4									1 8.2	1 13.0	3	0.2	0 - 0.4	100	0.0	*	0.4 (0 - 0.9)
F														1 3.0		1 4.0		2 11.9	4	0.2	0 - 0.4	100	0.0	6716	0.4 (0.0-0.7)
Leukaen	nias, lymp 4	ohoid, a		0	2	1	1			5	3	,		8	4	8	0	3	57	5.3	3.8-6.8	95	0.4	228	0.4 (4.7.0.4)
IVI	6.3	5.8	3 4.2	3 4.1	2.8	1.5	1.3			7.0	3 4.5	1.7	4 9.5	24.3	4 14.9	38.9	3 24.5	39.0	5/	5.3	3.0-0.0	95	0.4	228	6.4 (4.7-8.1)
F	5	3	1	1				1	1		2	2	2	2	4	5	1		30	3.1	1.8-4.3	100	0.2	401	3.2 (2.0-4.3)
Leukaen	8.2 nias, lymp	4.6	1.5	1.4				1.4	1.3		3.0	3.7	4.9	6.0	13.9	20.2	5.5								
М	4 6.3	511010, 6 4 5.8	3 4.2	3 4.1	2 2.8					1 1.4				1 3.0					18	2.5	1.3-3.7	100	0.1	724	1.8 (1.0-2.6)
F	5	3	1		2.0			1			1			0.0	1		1		13	1.8	0.8-2.9	100	0.1	969	1.4 (0.6-2.1)
Leukaen	8.2 nias, lymp	4.6 ohoid. d	1.5 hronic					1.4			1.5				3.5		5.5								
M	,	,								4	3	1	4	7	4	8	3	3	37	2.7	1.8-3.5	92	0.3	348	4.4 (3.0-5.9)
_										5.6	4.5	1.7	9.5	21.3	14.9	38.9	24.5	39.0							
F									1 1.3		1 1.5	2 3.7	2 4.9	2 6.0	3 10.4	5 20.2			16	1.1	0.5-1.6	100	0.1	719	1.7 (0.9-2.5)
	nias, lymp	ohoid, d	ther/NC	os																					
М						1 1.5	1 1.3												2	0.2	0 - 0.5	100	0.0	7068	0.2 (0 - 0.5)
F				1		1.0	1.0												1	0.1	0 - 0.4	100	0.0	*	0.1 (0 - 0.3)
Lautena		1-:	1	1.4																					
Leukaen M	nias, mye 1	eloid, ai	2	2	1	3		1	2	1	6	4	2	1	7		1	4	38	3.3	2.2-4.4	100	0.3	294	4.3 (2.9-5.7)
	1.6		2.8	2.7	1.4	4.5		1.4	2.6	1.4	9.0	7.0	4.8	3.0	26.0		8.2	52.0							, ,
F	1	1	1	1	2		1	3	1	2	1	1	5	4	3	4	3	3	37	3.0	1.9-4.0	97	0.3	354	3.8 (2.5-5.0)
Leukaen	1.6 nias, mye	1.5 loid, ad	1.5 cute	1.4	3.0		1.4	4.1	1.3	2.8	1.5	1.9	12.3	11.9	10.4	16.2	16.4	17.9							
M	1	.,	1	. 1	1	2		. 1	1	1	3	3	1	1	5		1	3	26	2.3	1.3-3.2	100	0.2	430	3.0 (1.8-4.1)
_	1.6		1.4	1.4	1.4	3.0		1.4	1.3	1.4	4.5	5.2	2.4	3.0	18.6	_	8.2	39.0			4 4 4 5 :			450	0.4 (0.0.4.5)
F	1 1.6	1 1.5	1 1.5	1 1.4	1 1.5		1 1.4	3 4.1	1 1.3	2 2.8	1 1.5	1 1.9	4 9.9	1 3.0	3 10.4	3 12.1	3 16.4	2 11.9	30	2.4	1.4-3.4	97	0.2	458	3.1 (2.0-4.2)

App	endix	3A.	Ca	ncer	inci	dend	e. V	Vest	ern <i>A</i>	lustr	alia,	200	3												
Age	0- 4	5-9	10-14			25-29					-			65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD%	CumInc	Risk	ASR2
Leukaer M	nias, myel	oid, chr	ronic 1 1.4	1 1.4		1 1.5			1 1.3		3 4.5	1 1.7			1 3.7				9	8.0	0.3-1.4	100	0.1	1291	0.9 (0.3-1.5)
F					1 1.5	1.0			1.0		1.0		1 2.5	3 8.9	0.7	1 4.0			6	0.5	0.1-1.0	100	0.1	1554	0.6 (0.1-1.1)
	nias, myel	oid, oth	er/NOS	3	1.0									0.3		4.0									
М													1 2.4		1 3.7			1 13.0	3	0.2	0 - 0.5	100	0.0	3279	0.4 (0 - 0.9)
F																		1 6.0	1	0.0	0 - 0.1	100	0.0	0	0.1 (0 - 0.2)
	nias, other	r														•	•		40		0040	400	0.4	4550	10(0701)
М										1 1.4			1 2.4	3 9.1		2 9.7	3 24.5	2 26.0	12	0.8	0.3-1.3	100	0.1	1550	1.6 (0.7-2.4)
F												1 1.9	1 2.5				2 10.9	2 11.9	6	0.3	0.0-0.6	100	0.0	4631	0.5 (0.1-1.0)
Leukaer M	nias (all) 5 7.9	4 5.8	5 6.9	5 6.8	3 4.2	4 5.9	1 1.3	2 2.8	2 2.6	7 9.8	9 13.5	5 8.7	7 16.7	12 36.5	11 40.9	10 48.6	8 65.4	10 130.1	110	9.6	7.7-11.6	97	0.9	118	12.7 (10.3-15.1)
F	6 9.8	4 6.2	2 2.9	2 2.9	2 3.0		1 1.4	4 5.5	2 2.6	2 2.8	3 4.6	4 7.4	8 19.7	7 20.8	7 24.3	10 40.4	6 32.7	7 41.7	77	6.5	4.8-8.1	99	0.6	176	7.9 (6.1-9.6)
	DYSPLAS ory anaemi																								
М	лу апаетп	ias/cyto	раетта	5				1 1.4	1 1.3	1 1.4	1 1.5		1 2.4	2 6.1	3 11.2	2 9.7	2 16.3	3 39.0	17	1.2	0.6-1.8	100	0.1	794	2.2 (1.1-3.2)
F												2 3.7		1 3.0	3 10.4		5 27.3	2 11.9	13	0.6	0.3-1.0	85	0.1	1169	1.3 (0.6-2.0)
	splastic sy	yndrom	es																						0.7 (0.4.4.0)
М					1 1.4							2 3.5	1 2.4	4 12.2	3 11.2	5 24.3	8 65.4	3 39.0	27	1.7	1.0-2.4	78	0.2	654	3.5 (2.1-4.8)
F							1 1.4						2 4.9		2 7.0	1 4.0	4 21.8	4 23.8	14	0.7	0.3-1.1	71	0.1	1511	1.3 (0.6-2.1)
Myelody M	splastic di	iseases	, all		1 1.4			1 1.4	1 1.3	1 1.4	1 1.5	2 3.5	2 4.8	6 18.2	6 22.3	7 34.0	10 81.7	6 78.0	44	2.9	2.0-3.8	86	0.3	359	5.6 (3.9-7.3)
F							1 1.4					2 3.7	2 4.9	1 3.0	5 17.4	1 4.0	9 49.1	6 35.7	27	1.3	0.8-1.9	78	0.2	659	2.6 (1.6-3.6)
	IC MYELO myeloprol					S																			
М	myelopioi	nerauve	e disorc	iei, NO	5									1 3.0		2 9.7			3	0.2	0 - 0.4	100	0.0	6581	0.4 (0 - 0.8)
F											1 1.5		2 4.9		1 3.5			1 6.0	5	0.4	0.0-0.7	80	0.0	2016	0.5 (0.1-1.0)
	aemia rub	ra vera	1												0.0										
М								1 1.4					1 2.4						2	0.2	0 - 0.4	100	0.0	5322	0.2 (0 - 0.5)
F												1 1.9			1 3.5				2	0.1	0 - 0.3	100	0.0	3752	0.2 (0 - 0.5)

Δηι	pendi	γ 3Δ	Ca	ncei	rinci	iden	ce V	Vest	ern A	\IIeti	ralia	200	3												
Age							-							65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD%	CumInc	Risk	ASR2
Myelo M	fibrosis/so	clerosis									1 1.5			1 3.0			1 8.2	1 13.0	4	0.3	0 - 0.5	100	0.0	4408	0.5 (0 - 1.1)
F											1.0			0.0		1 4.0	0.2	10.0	1	0.0	0 - 0.1	100	0.0	0	0.1 (0 - 0.3)
Other M	chronic n	nyeloprol	iferative	d/o						1 1.4	1 1.5							1 13.0	3	0.2	0 - 0.5	100	0.0	6886	0.4 (0 - 0.8)
F									1 1.3	1 1.4		1 1.9	1 2.5	1 3.0		2 8.1	1 5.5		8	0.5	0.1-0.9	100	0.0	2003	0.8 (0.2-1.4)
Chron M	ic myelop	roliferativ	ve d/o, a	II				1 1.4		1 1.4	2 3.0		1 2.4	2 6.1		2 9.7	1 8.2	2 26.0	12	0.9	0.4-1.4	100	0.1	1405	1.5 (0.6-2.3)
F									1 1.3	1 1.4	1 1.5	2 3.7	3 7.4	1 3.0	2 7.0	3 12.1	1 5.5	1 6.0	16	1.1	0.5-1.7	94	0.1	793	1.6 (0.8-2.4)
	R CHRO		UNOPR	OLIFE	RATIVE	DISEAS	ES												0						
F																			0						
Histio	cytic/deno	Iritic cell	maligna	ncies										1 3.0					1	0.1	0 - 0.3	100	0.0	6581	0.1 (0 - 0.3)
F														0.0					0						
Other M	& U/S im	munopro	liferative	neopla	sms							1 1.7	1 2.4	1 3.0		1 4.9		1 13.0	5	0.4	0.0-0.7	100	0.0	2794	0.6 (0.1-1.2)
F											1 1.5	2 3.7	2.4	1 3.0		4.5		10.0	4	0.3	0.0-0.6	100	0.0	2438	0.4 (0.0-0.8)
Other M	chronic ir	nmunopr	oliferativ	e d/o, a	ill							1 1.7	1 2.4	2 6.1		1 4.9		1 13.0	6	0.5	0.1-0.8	100	0.1	1961	0.7 (0.1-1.3)
F											1 1.5	2 3.7		1 3.0					4	0.3	0.0-0.6	100	0.0	2438	0.4 (0.0-0.8)
Unkno	wn prima	ry site (C	26, C39), C76, (C80; Bel	haviour (1	1	6	5	14	15	18	11	19	15	16	12	134	9.6	7.9-11.3	76	1.1	94	15.8 (13.1-18.5)
F	1.6		1			2	1.3	1.4	7.8	7.0	21.0	26.1	42.8	33.4	70.7	73.0 26	25	156.1 29	151	8.4	6.9-9.8	61	0.9	109	15.1 (12.7-17.5)
All ca	ncers 14	10	1.5 15	20	25	3.1 50	2.7	1.4 88	129	212	16.7 331	9.3	22.2 549	32.8 673	90.4 710	105.1 623	136.3	296	4796	354.3	344-365	94	41.5	3	555.0 (539-571)
F	22.1 14	14.6 5	20.8	27.2 15	35.3 28	74.3 42	90.0	121.3 134	168.3	298.1	495.9					3029.9 412			3857	267.9	259-277	94	29.6	4	389.5 (377-402)
•	23.0	7.7	23.3	21.4	41.3		111.3				602.5					1665.2			5001	201.0	LOU ZII	J-1	20.0	7	300.0 (011 402)

Age	0-4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 + u/k	Total	ASR	95% c.i.	TD%	CumInc	Risk	ASR
Sum	mary o	f mos	t com	non c	ancer	type	s 2003	3																	
Prosta	e gland (0	C610-C6	519)																						
М								2 2.8	2 2.6	20 28.1	64 95.9	159 276.7	181 430.8	247 750.8	204 758.7	170 826.8	109 891.0	72 936.4	1230	90.2	85.0-95.4	97	11.7	9	142.8 (135-151
	(C500-C5	609)																							
М					1 1.4					1 1.4			1 2.4	2 6.1	1 3.7	1 4.9		1 13.0	8	0.7	0.2-1.1	100	0.1	1334	0.9 (0.3-1.6
F				1 1.4		6 9.2	20 27.2	44 60.3	70 90.9	143 199.4	173 262.6	170 315.3	139 342.6	107 318.7	77 267.7	62 250.6	67 365.3	40 238.2	1119	83.4	78.4-88.5	99	9.5	11	113.0 (106-120
Colore	ctal cance	r (C18-0	C20. C21					00.0	00.0		202.0	0.0.0	0.2.0	0.0		200.0	000.0	200.2							
М		(1 1.4	-,		3 4.5		5 6.9	8 10.4	20 28.1	46 68.9	58 100.9	80 190.4	92 279.6	109 405.4	88 428.0	62 506.8	49 637.3	621	44.8	41.2-48.4	97	5.5	19	73.6 (67.7-79.5
F			1 1.5			1 1.5		7 9.6	11 14.3	16 22.3	28 42.5	38 70.5	52 128.1	49 145.9	63 219.0	81 327.4	63 343.5	57 339.4	467	28.5	25.7-31.4	96	3.3	31	47.1 (42.8-51.4
Skin (n	nelanoma	only) (C		19: M-8	720 - 87			5.0	14.0	22.0	42.0	70.0	120.1	140.0	210.0	027.4	040.0	000.4							
М		,, (-	1	6 8.2	10 14.1	13 19.3	27 36.3	26 35.8	49 63.9	51 71.7	59 88.4	99 172.3	53 126.2	58 176.3	79 293.8	57 277.2	39 318.8	23 299.1	650	49.4	45.5-53.3	100	5.5	19	71.4 (65.8-77.0
F			1 1.5	4 5.7	12 17.7	12 18.4	31 42.1	21 28.8	42 54.5	38 53.0	39 59.2	25 46.4	33 81.3	37 110.2	36 125.1	24 97.0	22 120.0	26 154.8	403	30.5	27.3-33.6	100	3.2	32	40.8 (36.8-44.8
Luna. I	ronchus 8	& trache				10.1	12	20.0	01.0	00.0	00.2	10.1	01.0	110.2	120.1	01.0	120.0	10 1.0							
M			(,			2 2.7		4 5.2	15 21.1	27 40.5	43 74.8	59 140.4	59 179.3	103 383.1	96 466.9	71 580.4	24 312.1	503	34.5	31.4-37.7	89	4.2	24	60.1 (54.8-65.5
F								2 2.7	3 3.9	13 18.1	20 30.4	21 38.9	33 81.3	45 134.0	39 135.6	59 238.5	45 245.4	21 125.1	301	18.8	16.5-21.1	84	2.2	45	30.7 (27.2-34.2
Lymph	omas (all)								0.0			00.0	00		100.0	200.0	2.0	.20							
M	3.2	1 1.5	3 4.2	4 5.4	2 2.8	3 4.5	8 10.7	8 11.0	9 11.7	12 16.9	12 18.0	20 34.8	19 45.2	22 66.9	20 74.4	23 111.9	20 163.5	10 130.1	198	15.2	13.0-17.4	97	1.6	65	22.5 (19.3-25.7
F			2 2.9	4 5.7	4 5.9	2 3.1	3 4.1	2 2.7	15 19.5	8 11.2	18 27.3	19 35.2	17 41.9	15 44.7	18 62.6	21 84.9	16 87.2	16 95.3	180	12.5	10.6-14.5	99	1.3	75	18.1 (15.5-20.8
Jnkno	vn primar	v site (C																							
М	1	,					1	1	6	_ 5	14	15	18	11	19	15	16	12	134	9.6	7.9-11.3	76	1.1	94	15.8 (13.1-18.5
_	1.6						1.3	1.4	7.8	7.0	21.0	26.1	42.8	33.4	70.7	73.0	130.8	156.1	454		0000	0.4	0.0	400	45 4 (40 7 47 5
F			1.5			2 3.1	2 2.7	1 1.4		3 4.2	11 16.7	5 9.3	9 22.2	11 32.8	26 90.4	26 105.1	25 136.3	29 172.7	151	8.4	6.9-9.8	61	0.9	109	15.1 (12.7-17.5
All car				_																					
М	14 22.1	10 14.6	15 20.8	20 27.2	25 35.3	50 74.3	67 90.0	88 121.3	129 168.3	212 298.1	331 495.9	538 936.2	549 1306.8	673 2045.6	710 2640.6	623 3029.9	446 3645.9	296 3849.7	4796	354.3	344-365	94	41.5	3	555.0 (539-571
F	14	5	16	15	28	42	82	134	195	294	397	386	388	384	392	412	354	319	3857	267.9	259-277	94	29.6	4	389.5 (377-402

Age 0-4 5-9 10-14 15-19 20-24 25-29 30-34 3	5-39 40-44 45-	19 50-5	4 55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR2
Lip (C000-C009) M		1.	1 5							1	0.1	0 - 0.2	21	0.0	*	0.1 (0 - 0.3)
F										0					-	
Tongue (C010-C029)																
M		3 .2 3.	2 0	3 7.1	3 9.1	1 3.7		1 8.2		13	1.1	0.5-1.7	175	0.1	736	1.4 (0.6-2.1)
F			1 1.9		2 6.0	1 3.5	1 4.0	2 10.9	1 6.0	8	0.4	0.1-0.8	33	0.1	1772	0.8 (0.2-1.3)
Gum (C030-C039)									4	1	0.4	0.00	0	0.0		0.0 (00.5)
M									1 13.0	1	0.1	0 - 0.2	0	0.0		0.2 (0 - 0.5)
F										0					-	
Floor of mouth (C040-C049) M		1 .4	2 3.5	1 2.4	1 3.0	1 3.7				6	0.5	0.1-0.9	78	0.1	1426	0.6 (0.1-1.1)
F	·		0.0	2.7	0.0	0.1	1 4.0		1 6.0	2	0.1	0 - 0.2	0	0.0	*	0.2 (0 - 0.5)
Palate, other & u/s parts of mouth (C050-C069) M			1		2	2		1		6	0.4	0.1-0.8	35	0.1	1311	0.7 (0.1-1.2)
F			1.7		6.1 1	7.4		8.2	1	2	0.1	0 - 0.3	7	0.0	6716	0.2 (0 - 0.4)
Parotid & other major salivary gland (C070-C089)					3.0				6.0							
M		1 .4		1 2.4			2 9.7			4	0.3	0 - 0.6	37	0.0	5282	0.5 (0.0-0.9)
F										0					-	
Tonsil & oropharynx (C090-C109)										_						
M				1 2.4	1 3.0	3 11.2				5	0.4	0.0-0.8	26	0.1	1207	0.6 (0.1-1.1)
F			1 1.9		1 3.0					2	0.2	0 - 0.4	24	0.0	4139	0.2 (0 - 0.5)
Nasopharynx (C110-C119)			1.0		0.0											
M	1 1.3						1 4.9			2	0.1	0 - 0.3	30	0.0	*	0.2 (0 - 0.6)
F					1 3.0					1	0.1	0 - 0.3	7	0.0	6716	0.1 (0 - 0.3)
Pyriform sinus & hypopharynx (C120-C139)					3.0											-
M				2 4.8	1 3.0	2 7.4		1 8.2		6	0.5	0.1-0.9	35	0.1	1313	0.7 (0.1-1.2)
F					1					1	0.1	0 - 0.3	7	0.0	6716	0.1 (0 - 0.3)

Age 0-4 5-9 10-14 15-19 20-24 25	5-29 30-34 3	5-39 4	10-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR2
Pharynx, other & ill-def. sites (C140-C149) M					2			1		1	2		6	0.4	0.1-0.7	48	0.0	3314	0.7 (0.1-1.3)
ivi					3.0			3.0		4.9	16.3		Ü	0.4	0.1-0.7	40	0.0	3314	0.7 (0.1-1.3)
F									1 3.5	1 4.0		1 6.0	3	0.1	0 - 0.3	2	0.0	5754	0.3 (0 - 0.7)
Desophagus (C150-C159)									0.0	1.0		0.0							
M			1 1.3	2 2.8	3 4.5	6 10.4	2 4.8	14 42.6	12 44.6	11 53.5	11 89.9	6 78.0	68	4.6	3.5-5.8	389	0.6	181	8.3 (6.3-10.3)
F					1 1.5	2 3.7	2 4.9	3 8.9	2 7.0	7 28.3	4 21.8	10 59.6	31	1.5	0.9-2.1	105	0.1	768	3.0 (1.9-4.0)
Stomach (C160-C169)																			
M		1 1.4	2 2.6	2 2.8	4 6.0	10 17.4	4 9.5	4 12.2	12 44.6	9 43.8	10 81.7	9 117.1	67	4.5	3.4-5.6	492	0.5	208	8.3 (6.2-10.3)
F 1 1.4				1 1.4	2 3.0	2 3.7	3 7.4	4 11.9	8 27.8	6 24.3	3 16.4	4 23.8	34	2.2	1.4-3.0	241	0.3	353	3.5 (2.3-4.7)
Small intestine (C170-C179)																			
M					1 1.5	2 3.5	1 2.4	2 6.1	1 3.7				7	0.6	0.1-1.0	81	0.1	1166	0.7 (0.2-1.3)
F									1 3.5		2 10.9	1 6.0	4	0.2	0 - 0.3	2	0.0	5754	0.4 (0.0-0.8)
Colorectal cancer (C18-C20, C218)													050		450400				
M			3 3.9	12 16.9	10 15.0	17 29.6	23 54.7	34 103.3	41 152.5	47 228.6	36 294.3	35 455.2	258	17.6	15.3-19.8	1480	1.9	54	32.3 (28.3-36.3)
F	1 1.4		5 6.5	5 7.0	8 12.1	9 16.7	11 27.1	12 35.7	25 86.9	31 125.3	31 169.0	46 273.9	184	9.5	8.0-11.1	924	1.0	104	18.0 (15.4-20.6)
Colon (C180-C189) M			1	7	3	9	17	16	23	31	26	26	159	10.6	8.9-12.3	778	1.0	98	20.4 (17.2-23.6)
			1.3	9.8	4.5	15.7	40.5	48.6	85.5	150.8	212.5	338.1							
F			3 3.9	4 5.6	4 6.1	6 11.1	10 24.6	8 23.8	13 45.2	21 84.9	23 125.4	30 178.7	122	6.3	5.0-7.5	590	0.6	167	11.9 (9.8-14.0)
Rectosigmoid junction & rectum (C190-C209)																			
M			2 2.6	5 7.0	7 10.5	8 13.9	6 14.3	18 54.7	18 66.9	16 77.8	10 81.7	9 117.1	99	7.0	5.6-8.4	699	0.8	118	11.9 (9.5-14.3)
F	1 1.4		2 2.6	1 1.4	4 6.1	3 5.6	1 2.5	4 11.9	12 41.7	10 40.4	8 43.6	16 95.3	62	3.2	2.4-4.1	333	0.4	274	6.1 (4.6-7.6)
nus (C210-C219)																			
M									1 3.7				1	0.1	0 - 0.2	2	0.0	5378	0.1 (0 - 0.4)
F						1 1.9		2 6.0	1 3.5	1 4.0	1 5.5	2 11.9	8	0.4	0.1-0.8	33	0.1	1772	0.8 (0.2-1.3)
iver & intrahepatic bile ducts (C220-C229)												-							
M		1 1.4			3 4.5	7 12.2	6 14.3	4 12.2	6 22.3	6 29.2	4 32.7		37	2.6	1.8-3.5	321	0.3	300	4.1 (2.8-5.5)
F					1 1.5	2 3.7		1 3.0		5 20.2	1 5.5	3 17.9	13	0.6	0.3-1.0	62	0.0	2438	1.3 (0.6-2.0)

Appendix 3B. Cancer me		•																		
Age 0-4 5-9 10-14 15-19 20-2 Gallbladder & bile ducts (C230-C249)	4 25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR
M					1		6	1	4	3	3		1	19	1.4	0.8-2.0	168	0.2	533	2.1 (1.1-3.1
					1.4		10.4	2.4	12.2	11.2	14.6		13.0							
F						4	1	6	2		7	3	7	30	1.7	1.0-2.4	187	0.1	698	2.9 (1.9-4.0
Pancreas (C250-C259)						6.1	1.9	14.8	6.0		28.3	16.4	41.7							
M			1	1	2	4	8	7	11	16	14	9	1	74	5.2	3.9-6.4	523	0.7	149	8.6 (6.6-10.6
			1.4	1.3	2.8	6.0	13.9	16.7	33.4	59.5	68.1	73.6	13.0							
F				. 1	2	6	8	9	12	6	14	13	12	83	4.9	3.8-6.1	552	0.5	188	8.3 (6.5-10.0
asal cavity & sinuses, middle & inner ear (C	300-0310	١		1.3	2.8	9.1	14.8	22.2	35.7	20.9	56.6	70.9	71.5							
M	300-0319	,			1					1	1	1	1	5	0.3	0.0-0.6	28	0.0	3903	0.7 (0.1-1.3
					1.4					3.7	4.9	8.2	13.0							•
F								2			1	1		4	0.3	0 - 0.6	24	0.0	4058	0.4 (0.0-0.8
.arynx (C320-C329)								4.9			4.0	5.5								
M					1	1	1	1	1	3	4	2		14	0.9	0.4-1.4	88	0.1	943	1.7 (0.8-2.5
					1.4	1.5	1.7	2.4	3.0	11.2	19.5	16.3								
F									1			1	1	3	0.1	0 - 0.3	7	0.0	6716	0.3 (0 - 0.6
ung, bronchus & trachea (C330-C349)									3.0			5.5	6.0							
ung, bronchus & trachea (C330-C349)		1		5	15	17	28	48	58	80	87	60	29	428	29.3	26.5-32.2	2540	3.5	29	51.9 (47.0-56.9
		1.3		6.5	21.1	25.5	48.7	114.3	176.3	297.5	423.1	490.5	377.2	0		20.0 02.2	20.0	0.0		0.10 (1.10 00.0)
F			1	5	11	11	16	31	24	43	51	35	24	252	15.3	13.3-17.4	1628	1.8	55	25.7 (22.5-28.9)
(00=0 00=0)			1.4	6.5	15.3	16.7	29.7	76.4	71.5	149.5	206.1	190.8	142.9							
Thymus (C370-C379) M														0					_	
														·						
F														0					-	
Pleura, heart & mediastinum (C380-C389)																				
М													1	1	0.1	0 - 0.2	0	0.0	*	0.2 (0 - 0.5)
													13.0							
F														0					-	
Bones, joints & articular cartilages (C400-C41	9)																			
M		1					1				1			4	0.3	0 - 0.6	106	0.0	4449	0.4 (0.0-0.8
1.	4	1.3					1.7				4.9									
F 1.		1 1.4				1 1.5					1 4.0	2 10.9		8	0.6	0.1-1.1	205	0.0	2699	0.8 (0.3-1.4)
kin (melanoma only) (C430-C439)	0 0.1	1.4				1.0					4.0	10.3								
M				6	2	6	2	7	12	7	5	7	4	58	4.3	3.2-5.4	569	0.5	196	6.8 (5.0-8.5
				7.8	2.8	9.0	3.5	16.7	36.5	26.0	24.3	57.2	52.0							
F		1	. 1	1	3	1		5	3	4	4		5	28	1.9	1.2-2.7	298	0.2	446	2.8 (1.8-3.9
		1.4	1.4	1.3	4.2	1.5		12.3	8.9	13.9	16.2		29.8							

Age 0-4 5-9 10-14 15-19 20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR2
kin (not melanoma-SCC-BCC) (C440-C449) M	1						2	1	7	4	3	3	3	24	1.8	1.0-2.5	147	0.2	460	3.0 (1.8-4.2
	1.5						3.5	2.4	21.3	14.9	14.6	24.5	39.0							0.0 (
F										2 7.0	3 12.1	2 10.9	9 53.6	16	0.6	0.3-0.9	5	0.0	2877	1.5 (0.7-2.2)
Mesothelioma (M905; ICD10 C45)										7.0	12.1	10.5	33.0							
M						2 3.0	3 5.2	5 11.9	10 30.4	10 37.2	7 34.0	10 81.7	11 143.1	58	4.0	2.9-5.0	241	0.4	229	7.5 (5.5-9.5
F						1 1.5					3 12.1	3 16.4	1 6.0	8	0.3	0.1-0.5	21	0.0	*	0.8 (0.2-1.3
aposi's sarcoma (M914; ICD10 C46)													0.0							
M														0					-	
F														0					-	
ervous system, peripheral & autonomic (C470	-C479)													_						
M														0					-	
F														0					-	
etroperitoneum and peritoneum (C480-C489)														0					_	
vi														·						
F								1 2.5	1 3.0	1 3.5				3	0.3	0 - 0.6	21	0.0	2243	0.3 (0 - 0.7
onnective, subcutaneous & other soft tissues (C490-C49							2.0	0.0	0.0	4					0.05	0.5	0.0	7000	0.0 (00.7
M	1.5	1 1.3									1 4.9			3	0.2	0 - 0.5	85	0.0	7068	0.3 (0 - 0.7
F 1 1.5						1 1.5	1 1.9	3 7.4			1 4.0		1 6.0	8	0.7	0.2-1.2	139	0.1	1625	0.8 (0.2-1.4
reast (C500-C509) M														0					_	
_																				
F	2 3.1	5 6.8	4 5.5	10 13.0	19 26.5	20 30.4	26 48.2	31 76.4	21 62.5	19 66.0	29 117.2	32 174.5	38 226.3	256	16.2	14.1-18.4	2680	1.7	60	25.3 (22.2-28.5
ulva/vagina (C510-C529) F									1 3.0		3 12.1	3 16.4		7	0.3	0.1-0.5	7	0.0	6716	0.7 (0.2-1.2
ervix uteri (C530-C539)											12.1	10.4								
F	2 3.1	3 4.1			2 2.8	4 6.1	1 1.9	2 4.9	2 6.0	3 10.4		2 10.9	3 17.9	24	1.8	1.0-2.5	414	0.2	511	2.4 (1.4-3.4
orpus uteri (C540-C549)						2	2	2		2	4	5	7	25	1.2	0.7-1.8	126	0.1	993	24/1522
						3 4.6	3.7	2 4.9		7.0	16.2	27.3	41.7	20	1.2	U.1-1.0	120	0.1	993	2.4 (1.5-3.3
terus, NOS (C550-C559)					1	1								2	0.2	0 - 0.4	47	0.0	6869	0.2 (0 - 0.5)
					1.4	1.5								2	0.2	0 - 0.4	4/	0.0	0009	0.2 (0 - 0.5

Age 0-4 5-9 10-14 15-19 20-24 25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR2
Ovary, uterine adnexa & other female genital (C560-C579 F)) 1 1.4	1 1.4		2 2.8	3 4.6	7 13.0	13 32.0	5 14.9	7 24.3	8 32.3	15 81.8	9 53.6	71	4.3	3.2-5.4	516	0.5	213	7.1 (5.4-8.7
Placenta (C580-C589) F	1.4	1		2.0	4.0	10.0	02.0	14.0	24.0	02.0	01.0	00.0	0					-	
Penis & other male genital organs (C600-C639) (not C61 M	C62)		1										1	0.1	0 - 0.2	30	0.0	*	0.1 (0 - 0.3
			1.3											•••	0 0.2				
Prostate gland (C610-C619) M					1 1.5	5 8.7	9 21.4	12 36.5	31 115.3	53 257.8	33 269.8	58 754.3	202	12.4	10.6-14.1	362	0.9	110	28.3 (24.4-32.3)
Testis (C620-C629) M					1 1.5	0.1		00.0	110.0	201.0	200.0	701.0	1	0.1	0 - 0.2	21	0.0	*	0.1 (0 - 0.3)
Kidney & other renal tract (C640-C689) (not C67)																			
M			1 1.3	1 1.4	2 3.0	7 12.2	6 14.3	2 6.1	5 18.6	5 24.3	7 57.2	2 26.0	38	2.6	1.7-3.4	304	0.3	352	4.4 (3.0-5.9)
F			1 1.3			4 7.4	3 7.4	5 14.9	10 34.8	4 16.2	4 21.8	3 17.9	34	2.2	1.4-3.0	193	0.3	305	3.5 (2.3-4.7)
Jrinary bladder (C670-C679) M				1	2	4	4	4	6	11	9	16	57	3.6	2.7-4.6	219	0.3	362	7.8 (5.7-9.8)
IVI				1.4	3.0	7.0	9.5	12.2	22.3	53.5	73.6	208.1	37	3.0	2.7-4.0	219	0.3	302	7.0 (3.7-9.0)
F		1 1.4				1 1.9		1 3.0		8 32.3	3 16.4	10 59.6	24	0.9	0.5-1.4	60	0.0	3225	2.3 (1.4-3.2)
Eye & lacrimal gland (C690-C699) M	1 1.3								1 3.7			1 13.0	3	0.2	0 - 0.5	42	0.0	3951	0.4 (0 - 0.9)
F				1 1.4						1 4.0	1 5.5		3	0.2	0 - 0.3	26	0.0	*	0.3 (0 - 0.6)
Meninges (cerebral & spinal) (C700-C709) M								1			0.0		1	0.1	0 - 0.3	7	0.0	6581	0.1 (0 - 0.3)
F								3.0		1			1	0.0	0 - 0.1	0	0.0	*	0.1 (0 - 0.3)
Brain (C710-C719) M 1 1 1	2		5	4	8	8	5	10	13	4.0	5	1	69	5.3	4.0-6.6	949	0.7	148	7.6 (5.8-9.4)
1.5 1.4 1.5	2.7		6.5	5.6	12.0	13.9	11.9	30.4	48.3	24.3	40.9	13.0							
F 1 1 1.6 1.5		2 2.7	3 3.9	2 2.8	3 4.6	3 5.6	5 12.3	5 14.9	8 27.8	4 16.2	1 5.5	4 23.8	42	3.2	2.1-4.2	583	0.4	258	4.3 (3.0-5.6)
Spinal cord & cranial nerves (C720-C729) M 1 1.4													1	0.1	0 - 0.4	54	0.0	*	0.1 (0 - 0.3)
r.4 F 1													1	0.1	0 - 0.3	51	0.0	*	0.1 (0 - 0.3)

Age 0-4 5-9 10-14 15-19	20-24 25-29	30-34	35-39	40-44	45-49 5	0-54	55-59 6	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR
Thyroid gland (C730-C739) M								1 2.4		1 3.7				2	0.2	0 - 0.4	14	0.0	3279	0.2 (0 - 0.5
F						1 1.5		2.4		5.1	1 4.0		2 11.9	4	0.2	0 - 0.4	21	0.0	*	0.4 (0.0-0.7
Adrenal & other endocrine glands (C74 M	10-C759) 1 1.5													1	0.1	0 - 0.4	45	0.0	*	0.1 (0 - 0.3
F 1	1.5						1 1.9			1 3.5				3	0.3	0 - 0.7	85	0.0	2910	0.3 (0 - 0.7
LYMPHOMAS Lymphoma, NOS / unclassifiable							-													
M								1 2.4			2 9.7			3	0.2	0 - 0.4	12	0.0	8403	0.4 (0 - 0.8
F				1 1.3								2 10.9	1 6.0	4	0.2	0 - 0.3	31	0.0	*	0.4 (0.0-0.7
Hodgkin lymphoma M								1 2.4						1	0.1	0 - 0.3	12	0.0	8403	0.1 (0 - 0.3
F						1 1.5		2.4						1	0.1	0 - 0.2	21	0.0	*	0.1 (0 - 0.3
All NHL 2	2	1	2		1	4	4	4	4	12	8	17	14	75	5.1	3.9-6.3	603	0.5	221	9.8 (7.5-12.0
2.9 F	3.0	1.3 2 2.7	2.8	1	1.4	6.0	7.0 3	9.5 3 7.4	12.2	44.6 9	38.9	139.0	182.1	46	2.6	1.8-3.5	331	0.3	317	4.6 (3.3-6.0
NHL, mature B cell M 2	2	1	1	1.3	1.4	4.6	5.6 1	4	8.9	31.3 7	28.3	38.2 11	41.7	48	3.4	2.4-4.4	481	0.3	329	6.1 (4.3-7.8
2.9 F	3.0	1.3 1	1.4	1	1.4 1	4.5 1	1.7 3	9.5 2	9.1 3	26.0 6	29.2 6	89.9 7	78.0 5	36	2.0	1.3-2.7	229	0.2	437	3.6 (2.4-4.8
NHL, mature YT/NK cell		1.4		1.3	1.4	1.5	5.6	4.9	8.9	20.9	24.3	38.2	29.8	2		0.04	40	0.0	0004	0.0.(00.
M							1 1.7			1 3.7	1 4.9			3	0.2	0 - 0.4	19		3664	0.3 (0 - 0.7
NHL, precursor cell lymphoblastic		1 1.4								2 7.0				3	0.2	0 - 0.5	46	0.0	2407	0.3 (0 - 0.7
M M			1 1.4								1 4.9			2	0.1	0 - 0.3	35	0.0	*	0.2 (0 - 0.6
F														0					-	
IHL, other/unclassifiable M						1	2		1	4		6	8	22	1.4	0.8-2.0	69	0.1	874	3.1 (1.8-4.5
						1.5	3.5		3.0	14.9		49.0	104.0							
F						2 3.0		1 2.5		1 3.5	1 4.0		2 11.9	7	0.4	0.1-0.8	57	0.0	2229	0.7 (0.2-1.2

	- 4 5- 9 10-14 15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR
Lymphomas M	(all) 2 2.9		2 3.0	1 1.3	2 2.8		1 1.4	4 6.0	4 7.0	6 14.3	4 12.2	12 44.6	10 48.6	17 139.0	14 182.1	79	5.4	4.1-6.6	626	0.5	210	10.2 (7.9-12.6
F				2 2.7		2 2.6	1	4 6.1	3 5.6	3 7.4	3 8.9	9 31.3	7 28.3	9 49.1	8 47.6	51	2.9	2.0-3.7	384	0.3	304	5.1 (3.7-6.5
MYELOMA						2.0		0.1	0.0	,	0.0	01.0	20.0	10.1	17.0							
Myeloma/pla M	isma cell tumours						1 1.4	1 1.5	4 7.0	6 14.3	5 15.2	6 22.3	8 38.9	5 40.9	8 104.0	44	3.0	2.1-3.9	228	0.3	325	5.6 (3.9-7.3
F							1.4	2 3.0	3 5.6	2 4.9	2 6.0	8 27.8	5 20.2	5 27.3	104.0 10 59.6	37	1.9	1.3-2.6	150	0.2	423	3.6 (2.5-4.8
EUKAEMI <i>A</i>	AS							3.0	5.0	4.9	6.0	21.0	20.2	21.3	59.6							
	, NOS/unclassifiable									1 2.4				1 8.2	1 13.0	3	0.2	0 - 0.4	12	0.0	8403	0.4 (0 - 0.9
F										2.7				0.2	2 11.9	2	0.1	0 - 0.1	0	0.0	*	0.2 (0 - 0.4
Leukaemias, M	, lymphoid, all	1	1			1	3	1		2	3	2	3	3	2	22	1.6	0.9-2.4	270	0.2	641	2.6 (1.5-3.7
F	1 1.5	1.4 1 1.5	1.5 1 1.5			1.3	4.2	1.5 2 3.0	2 3.7	4.8	9.1 1 3.0	7.4 2 7.0	14.6 2 8.1	24.5 2 10.9	26.0 6 35.7	20	1.2	0.6-1.8	245	0.1	947	1.9 (1.1-2.8
eukaemias	, lymphoid, acute	1.5	1.5					3.0	3.1		3.0	7.0	0.1	10.9	35.7							
M	, iyiiipiiola, acate	1 1.4	1 1.5				3 4.2				1 3.0	1 3.7		1 8.2		8	0.7	0.2-1.2	180	0.1	1442	0.9 (0.3-1.5
F	1 1.5	1 1.5	1 1.5					2 3.0			1 3.0	1 3.5				7	0.7	0.2-1.2	209	0.1	1434	0.7 (0.2-1.3
	, lymphoid, chronic					4		4		4	2	4	2	0	0	42	0.0	0444	70	0.4	1005	17/0726
M						1 1.3		1 1.5		1 2.4	2 6.1	3.7	3 14.6	16.3	2 26.0	13	0.9	0.4-1.4	79		1335	1.7 (0.7-2.6
F									1 1.9			1 3.5	2 8.1	2 10.9	5 29.8	11	0.4	0.2-0.7	19	0.0	3752	1.0 (0.4-1.6
Leukaemias, M	, lymphoid, other/NOS									1 2.4						1	0.1	0 - 0.3	12	0.0	8403	0.1 (0 - 0.3
F									1 1.9						1 6.0	2	0.1	0 - 0.3	17	0.0	*	0.2 (0 - 0.4
	, myeloid, all																					
М			1 1.5		1 1.4	3 3.9		2 3.0	2 3.5	2 4.8	1 3.0	6 22.3	9 43.8	2 16.3	3 39.0	32	2.2	1.4-2.9	288	0.2	462	3.9 (2.5-5.3
F	1 1.5			1 1.4	2 2.7	2 2.6		1 1.5	1 1.9	3 7.4	3 8.9	3 10.4	2 8.1	8 43.6	1 6.0	28	1.8	1.1-2.6	342	0.2	522	2.8 (1.8-3.9
	, myeloid, acute																					
М			1 1.5		1 1.4	2 2.6		2 3.0	2 3.5	1 2.4	1 3.0	6 22.3	6 29.2	2 16.3	2 26.0	26	1.8	1.1-2.5	246	0.2	504	3.1 (1.9-4.4
F	1 1.5			1 1.4	1 1.4	2 2.6		1 1.5	1 1.9	2 4.9	3 8.9	3 10.4	2 8.1	8 43.6	1 6.0	26	1.6	0.9-2.3	295	0.2	580	2.6 (1.6-3.6

Age 0-4 5-9 10-14 15-19	20-24 2	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR
eukaemias, myeloid, chronic M					1				1			3			5	0.3	0.0-0.6	42	0.0	5428	0.6 (0.1-1.1
ivi					1.3				2.4			14.6			J	0.5	0.0-0.0	72	0.0	3420	0.0 (0.1-1.1
F				1 1.4					1 2.5						2	0.2	0 - 0.4	48	0.0	5216	0.2 (0 - 0.5
eukaemias, myeloid, other/NOS				1					2.0												
M														1 13.0	1	0.1	0 - 0.2	0	0.0	*	0.2 (0 - 0.5
F														10.0	0					-	
eukaemias, other																					
M									1 2.4	2 6.1			2 16.3	1 13.0	6	0.4	0.1-0.8	25	0.0	2365	0.8 (0.1-1.4
F												1	2	4	7	0.2	0.1-0.4	0	0.0	*	0.6 (0.2-1.1
												4.0	10.9	23.8							
eukaemias (all) M	1	2		1	4	3	3	2	6	6	8	12	8	7	63	4.4	3.3-5.6	595	0.4	235	7.7 (5.8-9.7
	1.4	3.0		1.4	5.2	4.2	4.5	3.5	14.3	18.2	29.8	58.4	65.4	91.0							`
F 1 1 1.5 1.5	1 1.5	1 1.5	1 1.4	2 2.7	2 2.6		3 4.6	3 5.6	3 7.4	4 11.9	5 17.4	5 20.2	12 65.4	13 77.4	57	3.3	2.3-4.3	587	0.3	337	5.5 (4.1-7.0
YELODYSPLASTIC DISEASES																					
lefractory anaemias/cytopaenias M											2	2	5	1	10	0.5	0.2-0.8	5	0.0	2689	1.4 (0.5-2.2
											7.4	9.7	40.9	13.0		0.0	0.2 0.0	J	0.0	2000	1.1 (0.0 2.2
F									1		1		2	2	6	0.3	0.0-0.5	14	0.0	3367	0.6 (0.1-1.0
lyelodysplastic syndromes									2.5		3.5		10.9	11.9							
M			1					2	1			2	4	4	14	0.8	0.4-1.3	84	0.0	2777	1.9 (0.9-2.9
			1.3					3.5	2.4			9.7	32.7	52.0							
F										1 3.0	1 3.5	4 16.2	3 16.4	5 29.8	14	0.6	0.2-0.9	10	0.0	3099	1.3 (0.6-2.0
yelodysplastic diseases, all										3.0		10.2	10.4	23.0							
M			1 1.3					2 3.5	1 2.4		2 7.4	4 19.5	9 73.6	5 65.0	24	1.4	0.8-1.9	88	0.1	1366	3.3 (1.9-4.6
F			1.3					3.5	2. 4 1	1	7. 4 2	19.5	73.6 5	65.0 7	20	0.8	0.4-1.2	24	0.1	1614	1.9 (1.1-2.7
-									2.5	3.0	7.0	16.2	27.3	41.7	20	0.0	0.4-1.2	24	0.1	1014	1.9 (1.1-2.7
HRONIC MYELOPROLIFERATIVE DIS																					
thronic myeloproliferative disorder, NOS M												1	1	1	3	0.2	0 - 0.3	0	0.0	*	0.4 (0 - 1.0
												4.9	8.2	13.0							011 (0 111
=												1 4.0		1 6.0	2	0.1	0 - 0.2	0	0.0	*	0.2 (0 - 0.5
olycythaemia rubra vera												4.0		0.0							
M							1 1.5						1 8.2		2	0.1	0 - 0.3	21	0.0	*	0.2 (0 - 0.6
F							1.5								4	0.0	0 0 4	^	0.0	*	04/0 07
F													1 5.5		1	0.0	0 - 0.1	0	0.0	*	0.1 (0 - 0.3

			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR2
Myelofibrosi M	s/scle	rosis														1	1		2	0.1	0 - 0.2	0	0.0	*	0.3 (0 - 0.6)
																4.9	8.2								` '
F											1 1.5					1 4.0			2	0.1	0 - 0.3	21	0.0	*	0.2 (0 - 0.5)
Other chroni	ic mye	eloprolif	erative	d/o																	0.00	40	2.0	*	0.4.(00.0)
М												1 1.7							1	0.1	0 - 0.2	16	0.0	-	0.1 (0 - 0.3
F															1				1	0.1	0 - 0.2	2	0.0	5754	0.1 (0 - 0.3
Chronic mye	eloprol	liferative	e d/o, a	I											3.5										
М											1 1.5	1 1.7				2 9.7	3 24.5	1 13.0	8	0.4	0.1-0.7	37	0.0	6176	1.0 (0.3-1.8)
F											1.5	1.7			1	2	1	13.0	6	0.3	0.0-0.5	24	0.0	4006	0.6 (0.1-1.1)
	DONI	C INABAL	NODD	OL IEED	A TIV/E	DICEAG	NEC				1.5				3.5	8.1	5.5	6.0							
OTHER CHI Mast cell tur			NOPK	OLIFER	AIIVE	DISEAS	DES																		
M																			0					-	
F																			0					-	
Histiocytic/d	endriti	ic cell m	alignar	ncies																					
М			J							1 1.4				1 3.0					2	0.2	0 - 0.4	32	0.0	4499	0.2 (0 - 0.5)
F										1.4				3.0					0					_	
Other & U/S	imm	nonroli	orotivo	noonloo	ma																				
M	iiiiiiu	irioproii	erative	пеоріаз	51115													1	1	0.1	0 - 0.2	0	0.0	*	0.2 (0 - 0.5)
_																		13.0	•						
F																			0					-	
Other chroni M	ic imm	nunopro	liferativ	e d/o, al	I					1				1				1	3	0.2	0 - 0.5	32	0.0	4499	0.4 (0 - 0.8)
										1.4				3.0				13.0	ŭ	0.2	0 0.0	02	0.0	1100	0.1 (0 0.0)
F																			0					-	
Unknown pr	imary	site (C8	80 or Be	ehaviour	6/9)																				
М .	,	•			,				1 1.3	2 2.8	4 6.0	5 8.7	15 35.7	10 30.4	16 59.5	16 77.8	13 106.3	12 156.1	94	6.5	5.2-7.9	525	0.7	139	11.7 (9.3-14.1)
F									1.3	2.8 1	6.0	3	35.7	30.4	59.5 21	21	106.3	23	105	5.5	4.3-6.7	343	0.6	157	10.5 (8.5-12.5)
•										1.4	4.6	5.6	19.7	23.8	73.0	84.9	92.7	137.0		0.0	4.0 0.7	040	0.0	107	10.0 (0.0 12.0)
Total death	s due		cer	2	2	0	7	6	24	E7	00	12F	170	225	205	323	255	222	1835	125.0	120 122	12160	10.7	0	227 6 (247 220)
IVI		3 4.4		2 2.7	2 2.8	8 11.9	9.4	6 8.3	31 40.4	57 80.2	82 122.9	135 234.9	172 409.4	683.9	305 1134.3	1570.9	255 2084.5	2887.2	1635	125.8	120-132	12169	13.7	8	227.6 (217-238)
F	1	4	1	1	3	7	15	12	30	51	84	101	145	128	188	239	213	260	1483	87.0	82.1-91.8	11049	9.4	11	147.6 (140-155)
	1.6	6.2	1.5	1.4	4.4	10.7	20.4	16.4	39.0	71.1	127.5	187.3	357.3	381.2	653.5	966.0	1161.4	1548.4							

							-																		
Age				15-19		25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 +	Total	ASR	95% c.i.	PYLL	CumInc	Risk	ASR
Deaths M	due to be	nign tur	mours in	CR cas	es														0					-	
F																			0					-	
	due to lyr	nphoha	ematop	oietic tun	nours o	f uncerta	ain maliç	gnant po	tential										0						
М																			U					-	
F															1 3.5				1	0.1	0 - 0.2	2	0.0	5754	0.1 (0 - 0.3
Deaths M	due to no 1 1.6	n-lympl	nohaem	atopoieti	c tumoı	ırs of un	certain/	unspeci	ied natu	re								1 13.0	2	0.3	0 - 0.6	71	0.0	*	0.3 (0 - 0.7
F															1 3.5				1	0.1	0 - 0.2	2	0.0	5754	0.1 (0 - 0.3
Non-ca M	ncer deatl	ns in CF	R cases				2 2.7	2 2.8	3 3.9	4 5.6	12 18.0	9 15.7	18 42.8	37 112.5	84 312.4	157 763.5	186 1520.5	245 3186.4	759	44.9	41.7-48.2	1405	2.6	39	109.0 (101-11
F								1 1.4	2 2.6	2 2.8	3 4.6	13 24.1	10 24.6	22 65.5	50 173.8	68 274.8	113 616.1	281 1673.4	565	22.2	20.2-24.3	828	1.5	67	51.8 (47.5-56.
Deaths M	of undete	rmined	cause ir	n CR cas	ses										1 3.7		1 8.2		2	0.1	0 - 0.3	2	0.0	5378	0.3 (0 - 0.0
F						1 1.5			1 1.3						1 3.5		1 5.5	3 17.9	7	0.4	0.1-0.7	79	0.0	3173	0.7 (0.2-1.2
	eaths of		Registi																0004		100 100				2.12.2.(222.25
М	1 1.6	3 4.4		2 2.7	2 2.8	8 11.9	11 14.8	8 11.0	35 45.7	61 85.8	95 142.3	147 255.8	191 454.7	262 796.4	391 1454.2	487 2368.4	454 3711.3	476 6190.7	2634	173.2	166-180	13969	16.4	7	342.0 (329-35
F	1 4.9	4 1.5	1 5.9	1 2.9	3 1.5	8 7.5	15 16.4	13 21.7	33 51.6	53 77.9	88 121.0	114	156 363.8	151 484.4	244 812.1	315 1199.1	333 1771.0	550 3033.4	2083	110.9	106-116	12072	11.0	10	202.9 (194-212

	Males							Female						Δ	JI						
	Age Gro		10 14	Total	۸QD	95%c.i.	TD%	Age G		10 14	Total	۸QD	95%c.i.	TD%	Age G		10-14	Total	۸QD	95%c.i.	TD%
I. LEUKAEMIAS, MYELOPRO									1 3-9	10-14	TOLAI	ASK	95%0.1.	10%	0 1-	+ 5-9	10-14	TOTAL	ASK	95%0.1.	. 10%
All	5 9.8	4	5	14	6.9	3.2-10.6	100		6.2 6.2		12	6.6	2.8-10.4	100	1 11.			26	6.8	4.1-9.4	100
Lymphoid leukaemia	4 7.8			11	5.5	2.2-8.8	100	10.	5 3 2 4.6		9	5.1	1.7-8.4	100	9.	9 7 0 5.2		20	5.3	2.9-7.7	100
Acute myeloid leukaemia	1 2.0		1 1.4	2	1.0	0 - 2.4	100	2.		1 1.5	3	1.6	0 - 3.3	100	2.	2 1 0 0.7	2 1.4	5	1.3	0.1-2.4	100
Chronic MPDs			1 1.4	1	0.4	0 - 1.2	100				0						1 0.7	1	0.2	0 - 0.6	100
MDS & other MPDs				0							0							0			
Unspecified/other leukaemia				0							0							0			
II. LYMPHOMAS																					
All	3.9		3 4.2	6	2.9	0.5-5.2	100			2 2.9	2	0.8	0 - 2.0	100	2.	2 1 0 0.7	5 3.6	8	1.9	0.6-3.2	100
Hodgkin lymphoma			1 1.4	1	0.4	0 - 1.2	100			2 2.9	2	0.8	0 - 2.0	100			3 2.1	3	0.6	0 - 1.3	100
Non-Hodgkin lymphoma exc Burkit	3.9		2 2.8	5	2.5	0.3-4.7	100				0				2.	2 1 0 0.7	2 1.4	5	1.3	0.1-2.4	100
Burkitt lymphoma				0							0							0			
Misc. lymphoreticular neoplasms				0							0							0			
Unspecified lymphoma				0							0							0			
III. CNS AND INTRACRANIAL/S			_	_						_							_	_			_
All	3.9			5	2.5	0.3-4.7	40	2.		3 4.4	4	1.9	0.0-3.8	75	3.	3 1 0 0.7	5 3.6	9	2.2	0.7-3.7	56
Ependymoma/choroid plexus				0							0							0			
Astrocytoma				0							0							0			
Embryonal tumours	1 2.0			1	0.6	0 - 1.8	100			2 2.9	2	0.8	0 - 2.0	100	1.	1	2 1.4	3	0.7	0 - 1.6	100
Other gliomas	1 2.0	1 1.5		4	1.9	0.0-3.8	25	2.		1 1.5	2	1.1	0 - 2.5	50		2 1	3 2.1	6	1.5	0.3-2.7	33
Other intracranial/spinal				0							0							0			
Unspecified				0							0							0			

Appendix 3C.Childh	Males					•	•	Femal	les							All							
	Age Gro		10-14	Total	ΔSR	95%c i	. TD%	Age G		5-0 1	0-14	Total	ΔSR	95%c i	TD%		e Grou		10-14	Total	ΔSR	95%c.i.	TD%
IV. NEUROBLASTOMA & PEF		NERV	OUS S	YSTE	M TUM		. ID/0	0 1	-4 ,	J-9 II	0-14	TOtal	AUIN	93 /60.1.	10/0		1-4	3-9	10-14	TOtal	ASIN	93 /00.1.	10/0
All	1 8.2	1 1.5		2	1.1	0 - 2.6	100	4	2 I.1			2	1.3	0 - 3.0	100	1 4.1	2 2.0	1 0.7		4	1.2	0.0-2.3	100
Neuroblastoma/ganglioneurobl.	1 8.2	1 1.5		2	1.1	0 - 2.6	100	4	2 I.1			2	1.3	0 - 3.0	100	1 4.1	2 2.0	1 0.7		4	1.2	0.0-2.3	100
Other				0								0								0			
V. RETINOBLASTOMA																							
All	2 3.9			2	1.2	0 - 2.9	100	6	3 3.1			3	1.9	0 - 4.0	100		5 5.0			5	1.5	0.2-2.9	100
VI. RENAL TUMOURS	_			_								_					_	_		_			
All	2 3.9	1.5		3	1.7	0 - 3.6	100			1 1.5	1 1.5	2		0 - 2.2	100		2 2.0	2 1.5	1 0.7	5	1.3	0.1-2.5	100
Neuroblastoma/other non-epithel.	2 3.9			3	1.7	0 - 3.6	100			1 1.5	1 1.5	2	0.9	0 - 2.2	100		2 2.0	2 1.5	1 0.7	5	1.3	0.1-2.5	100
Renal carcinoma				0								0								0			
Unspecified				0								0								0			
VII. HEPATIC TUMOURS																							
All			2 2.8	2	8.0	0 - 1.9	100					0							2 1.4	2	0.4	0 - 1.0	100
Hepatoblastoma				0								0								0			
Hepatic carcinoma			2 2.8	2	8.0	0 - 1.9	100					0							2 1.4	2	0.4	0 - 1.0	100
Unspecified				0								0								0			
VIII. BONE																							
All		1 1.5		1	0.5	0 - 1.4	100					0						1 0.7		1	0.2	0 - 0.7	100
Osteosarcoma				0								0								0			
Chondrosarcoma				0								0								0			
Ewing & related sarcoma		1 1.5		1	0.5	0 - 1.4	100					0						1 0.7		1	0.2	0 - 0.7	100
Other specified				0								0								0			
Unspecified				0								0								0			

Appendix 3C.Childhood	lales						•		nales						All	•						
	Age Grou								e Grou							e Grou						
IX. SOFT TISSUE SARCOMA) 1-4	5-9	10-14	Total	ASR	95%c.i.	TD%	0	1-4	5-9 10-14	Total	ASR	95%c.i.	TD%	0	1-4	5-9	10-14	Total	ASR	95%c.i.	TD9
				_						_	_							_	_			
All				0					1 2.0	2 2.9	3	1.5	0 - 3.2	100		1 1.0		2 1.4	3	0.7	0 - 1.6	100
Rhabdomyosarcoma				0							0								0			
Fibrosarcoma/Neurofibrosarc.				0					1 2.0		1	0.6	0 - 1.9	100		1 1.0			1	0.3	0 - 0.9	100
Kaposi sarcoma				0					2.0		0					1.0			0			
Other specified				0						2 2.9	2	0.8	0 - 2.0	100				2 1.4	2	0.4	0 - 1.0	100
Unspecified				0							0								0			
X. GONADAL AND GERM CELL																						
All		1 1.5	1 1.4	2	0.9	0 - 2.1	100	1 8.4		2 2.9	3	1.5	0 - 3.2	100	1 4.1		1 0.7	3 2.1	5	1.2	0.1-2.2	100
Intracranial/spinal		1 1.5		1	0.5	0 - 1.4	100				0						1 0.7		1	0.2	0 - 0.7	100
Other/unspecified non-gonadal				0				1 8.4			1	0.6	0 - 1.9	100	1 4.1				1	0.3	0 - 0.9	100
Gonadal germ cell			1 1.4	1	0.4	0 - 1.2	100			1 1.5	1	0.4	0 - 1.3	100				2 1.4	2	0.4	0 - 1.0	100
Gonadal carcinoma				0						1 1.5	1	0.4	0 - 1.3	100				1 0.7	1	0.2	0 - 0.6	100
Other and unspecified				0							0								0			
XI. OTHER EPITHELIAL / MELANC	AMC																					
All			2 2.8	2	0.8	0 - 1.9	100			4 5.8	4	1.7	0.0-3.4	100				6 4.3	6	1.2	0.2-2.2	100
Adrenocortical carcinoma				0							0								0			
Thyroid carcinoma				0						1 1.5	1	0.4	0 - 1.3	100				1 0.7	1	0.2	0 - 0.6	100
Nasopharyngeal carcinoma				0							0								0			
Malignant melanoma			1 1.4	1	0.4	0 - 1.2	100			1 1.5	1	0.4	0 - 1.3	100				2 1.4	2	0.4	0 - 1.0	100
Skin carcinomas			1.7	0						1.0 1.5	1	0.4	0 - 1.3	100				1.0	1	0.2	0 - 0.6	100
Other/unspecified carcinoma			1 1.4	1	0.4	0 - 1.2	100			1 1.5	1	0.4	0 - 1.3	100				2 1.4	2	0.4	0 - 1.0	100

Males							Fe	males						ΑII									
Age Grou	ıp						Αç	ge Grou	ap.						Age	Group	р						
0 1-4	5-9	10-14	Total	ASR	95%c.i.	TD%	0	1-4	5-9	10-14	Total	ASR	95%c.i. TD%)	0	1-4	5-9	10-14	Total	ASR	95%c.i.	TD%	
			0								0								0				
			0								0								0				
			0								0								0				
								13		16	35	18.1	12.0-24.2 97					31	74	18.7	14.4-23.0		
	Males Age Groບ	Males Age Group	Males Age Group	Males Age Group 0 1-4 5-9 10-14 Total 0	Males Age Group 0 10-14 5-9 10-14 Total ASR 0 0 0	Males Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. 0 0	Males Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 0	Males Fe Age Group Age Group Age Group Age Group Age	Males Females Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4	Males Age Group Age Group Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4 5-9	Males Age Group Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4 5-9 10-14	Males Age Group Age Group Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4 5-9 10-14 Total 0 0 0 0 0 0 0 0 0 0 0	Males Females Age Group Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4 5-9 10-14 Total ASR	Males Females Age Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 0 1-4 5-9 10-14 Total ASR 95%c.i. TD%	Males Females Agle Group 0 1-4 5-9 10-14 Total ASR 95%c.i. TD% 0 1-4 5-9 10-14 Total ASR 95%c.i. TD%	Males Females Agle Group Age Group Age Group Age Group O 10-14 Total ASR 95%c.i. TD% O 10-14 Total ASR 95%c.i. TD% O	Males Females Agle Group Age Group Age Group Age Group Age Group Age Group O 1-4 Total ASR 95%c.i. TD% 0 1-4 O 1-4 Total ASR 95%c.i. TD% O 1-4 O 1-	Males Females Age Group Age Group Age Group Age Group Age Group O 1-4 5-9 10 1-4 5-9 Total ASR 95%c.i. TD% 0 1-4 5-9 O 1-4 5-9 10 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4	Males Females Age Group Age Group Age Group Age Group Age Group Age Group O 10-14 Total ASR 95%c.i. TDW 0 10-14 TOTAL TOTAL <th colspa<="" td=""><td> Males</td><td>Age Group O 1-4 5-9 10-14 Total ASR 95%c.i. TD% O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula ASR 0 1-4 5-9 10-14 5-9 10-14 5-9 10-14 5-9 10-14 ASR 0 0 1-4 5-9 10-14 5-9 10-14 Formula 5-9 10-14 Formula 4-8 95%c.i. TD% 10-14 5-9 10-14 Formula 10-14 10-14 10-14 10-14 10-14 10-14 10-14</td><td> Males</td></th>	<td> Males</td> <td>Age Group O 1-4 5-9 10-14 Total ASR 95%c.i. TD% O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula ASR 0 1-4 5-9 10-14 5-9 10-14 5-9 10-14 5-9 10-14 ASR 0 0 1-4 5-9 10-14 5-9 10-14 Formula 5-9 10-14 Formula 4-8 95%c.i. TD% 10-14 5-9 10-14 Formula 10-14 10-14 10-14 10-14 10-14 10-14 10-14</td> <td> Males</td>	Males	Age Group O 1-4 5-9 10-14 Total ASR 95%c.i. TD% O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula Age Group O 1-4 5-9 10-14 Formula ASR 0 1-4 5-9 10-14 5-9 10-14 5-9 10-14 5-9 10-14 ASR 0 0 1-4 5-9 10-14 5-9 10-14 Formula 5-9 10-14 Formula 4-8 95%c.i. TD% 10-14 5-9 10-14 Formula 10-14 10-14 10-14 10-14 10-14 10-14 10-14	Males

Small intestine	4	3.1	11.4	0.1-22.6	104	Ovary	4	4.5	13.5	0.3-26.7	5
Hodgkin lymphoma NHL	3 2	2.4 1.6	8.6 5.1	0 - 18.6 0 - 12.2	143 78	Leukaemia, other Uterus	0 5	5.6	15.1	1.5-28.6	4
Lymphoma NOS	0	0.4		0 40 0	4.40	Myeloid leukaemia	3	3.4	8.5	0 - 18.8	40
Lymphoma	5	3.9	13.7	1.5-26.0	51	Lymphoid leukaemia	1	1.1	5.2	0 - 15.5	38
Testis	5	3.9	19.6	1.9-37.3	71	Leukaemia NOS	2	2.2	5.1	0 - 12.7	17
Bladder	8	6.3	21.9	6.5-37.3	34	Leukaemia	6	6.7	18.8	2.4-35.2	ģ
Lung	12	9.4	32.3	14.0-50.6	15	Rectum	3	3.4	8.8	0 - 10.5	11
Rectum	7	5.5 5.5	18.9	4.8-33.0	32 30	Colorectal	4	7.9 4.5	8.0	3.5-30.1 0 - 16.5	17
Colorectal Colon	14 7	11.0 5.5	36.9 18.9	17.4-56.3 4.8-33.0	16 32	Lung Colorectal	11 7	12.4 7.9	28.4 16.8	10.9-45.9 3.5-30.1	-
Melanoma (skin)	20	15.7	55.4	30.5-80.3	15	Melanoma (skin)	14	15.7	50.1	22.2-78.0	2
Prostate	31	24.4	84.8	54.6-115	10	Breast	20	22.5	59.5	32.8-86.1	
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Ri
Males						Females					
CHS Midwest-Murch	ison R	egion									
All cancers	66	100.0	312.9	232-394	3	All cancers	57	100.0	296.9	213-381	
Myelodysplastic diseases	2	3.0	10.1	0 - 25.3	349	Gum	2	3.5	12.6	0 - 31.2	2
Testis	2	3.0 3.0	7.2	0 - 17.3	210	NHL	3 2	5.3	11.6	0 - 25.3	8
Skin (NMSC exc. SCC/BCC)		3.0	5.7	0 - 13.8	247	Hodgkin lymphoma	0				
Pancreas	2	3.0	13.1	0 - 31.5	52	Lymphoma NOS	0				
Liver	2	3.0	10.9	0 - 27.3	60	Lymphoma	3	5.3	11.6	0 - 25.3	
Hypopharynx	2	3.0	9.9	0 - 24.7	49	Thyroid gland	3	5.3	8.3	0 - 17.8	1.
Kidney	3	4.5	12.8	0.1-34.2	105	Uterus	3	5.3	11.7	0 - 25.4	1.
Unknown primary	5 5	4.5 7.6	22.6 17.2	0.1-34.2	39 37	Melanoma (skin)	3	5.3	9.5	0.5-66.5	1:
Colon Rectum	2	3.0 4.5	10.9 22.8	0 - 27.3 0 - 48.4	60 39	Lung Unknown primary	4	7.0 7.0	27.9 33.5	0 - 56.2 0.5-66.5	
Colorectal	5	7.6	33.7	3.3-64.1	24	Rectum	0	7.0	07.0	0 500	
Oesophagus	6	9.1	31.9	4.7-59.0	27	Colon	4	7.0	26.9	0 - 54.7	•
Prostate	7	10.6	33.9	8.0-59.8	32	Colorectal	4	7.0	26.9	0 - 54.7	
Lung	8	12.1	40.9	10.4-71.4	13	Cervix	5	8.8	26.7	2.0-51.3	:
Melanoma (skin)	10	15.2	38.4	11.6-65.2	21	Breast	18	31.6	77.1	39.2-115	
viaioo	Cases	%	ASR	95%c.i.	Risk	Tomalos	Cases	%	ASR	95%c.i.	Ri
CHS Pilbara-Gascoy ^{Males}	ne Re	gion				Females					
All cancers	47	100.0	320.4	226-415	3	All cancers	36	100.0	270.1	178-363	
All concern	47	400.0	200.4	000 445	0	All concern	20	400.0	070.4	470.000	
NHL	2	4.3	11.0	0 - 26.3	164						
Lymphoma NOS Hodgkin lymphoma	0										
Lymphoma	2	4.3	11.0	0 - 26.3	164						
Kidney	2	4.3	17.9	0 - 42.8	38						
Melanoma (skin)	2	4.3	8.5	0 - 20.5	109	Ovary	2	5.6	16.8	0 - 41.0	
Larynx	2	4.3	10.4	0 - 24.8	86	Lung	2	5.6	13.4	0 - 32.0	
Hypopharynx	2	4.3	13.0	0 - 31.5	71	Oesophagus	2	5.6	13.7	0 - 32.7	(
Tonsil / oropharynx	2	4.3	10.4	0 - 24.8	105	Rectum	1	2.8	7.2	0 - 21.4	1
Oesophagus	3	6.4	20.4	0 - 44.8	36	Colon	1	2.8	4.9	0 - 14.6	2
Rectum Lung	6	8.5 12.8	23.8 44.4	0 - 47.7 7.9-80.8	62 15	Cervix Colorectal	2	8.3 5.6	20.9 12.2	0 - 44.6 0 - 29.3	
Colon	2 4	4.3	12.5	0 - 30.4	79	Melanoma (skin)	3	8.3	17.4	0 - 37.4	(
Colorectal	6	12.8	36.3	6.4-66.1	35	Unknown primary	4	11.1	46.1	0.8-91.4	
Prostate	9	19.1	78.1	26.6-130	8	Breast	10	27.8	79.4	27.1-132	
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Ri
	C										

CHS Wheatbelt Re	aion										
Males	9.0					Females					
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Risk
Prostate	64	31.8	103.8	78.1-129	7	Breast	44	30.8	82.8	57.6-108	11
Colorectal	33	16.4	53.5	35.0-72.0	14	Melanoma (skin)	18	12.6	37.9	19.5-56.3	26
Colon	20	10.0	33.0	18.4-47.7	24	Colorectal	17	11.9	29.1	14.8-43.3	23
Rectum	13	6.5	20.4	9.2-31.7	33	Colon	15	10.5	25.3	12.1-38.6	25
Melanoma (skin)	30	14.9	49.3	31.4-67.2	18	Rectum	2	1.4	3.7	0 - 8.9	241
Lung	13	6.5	19.2	8.6-29.8	47	Lung	9	6.3	16.2	5.3-27.2	43
Kidney	7	3.5	12.0	2.8-21.2	74	Lip	5	3.5	11.1	0.3-21.9	75
Bladder	7	3.5	12.3	3.2-21.5	57	Uterus	5	3.5	9.3	1.1-17.5	59
Unknown primary	6	3.0	9.7	1.8-17.6	88	Ovary	5	3.5	6.6	0.4-12.8	152
Brain	5	2.5	7.8	0.8-14.8	114	Leukaemia	5	3.5	9.0	0.8-17.2	98
Lymphoma	5	2.5	12.1	0.5-23.8	101	Leukaemia NOS	0	0.4		0 400	405
Lymphoma NOS	0					Lymphoid leukaemia	3	2.1	5.9	0 - 12.6	135
Hodgkin lymphoma	0	0.5	40.4	0.5.00.0	404	Myeloid leukaemia	2	1.4	3.1	0 - 7.7	359
NHL	5	2.5	12.1	0.5-23.8	101	Leukaemia, other	0	0.5	۰.	0.0.40.0	74
						Myeloma Thyroid gland	5 4	3.5 2.8	8.5 7.7	0.8-16.2 0 - 15.4	71 150
						myroid giand	-	2.0		0 - 13.4	150
All cancers	201	100.0	333.9	287-381	3	All cancers	143	100.0	266.2	220-312	4
CHS Goldfields-SE	Coasta	l Rea	ion								
Males	Jusia	 g	1011			Females					
Ividico	Cases	%	ASR	95%c.i.	Risk	i diliaids	Cases	%	ASR	95%c.i.	Risk
Prostate	22	23.2	82.3	95%C.I. 47.4-117	11	Breast	23	34.8	91.6	95%C.I. 52.6-130	11
Colorectal	15	15.8	55.2	27.0-83.3	22	Lung	9	13.6	35.0	10.9-59.1	37
Colon	8	8.4	27.2	8.3-46.1	93	Melanoma (skin)	4	6.1	15.2	0 - 31.0	81
Rectum	7	7.4	28.0	7.0-48.9	29	Cervix	4	6.1	14.7	0 - 29.9	69
Lung	11	11.6	36.6	14.6-58.5	32	Unknown primary	3	4.5	12.3	0 - 26.4	43
Melanoma (skin)	9	9.5	31.7	10.1-53.2	18	Charlewit phinary	Ū	1.0	. 2.0	0 20.1	
Lip	5	5.3	13.9	1.1-26.7	61						
Unknown primary	5	5.3	17.2	1.6-32.7	42						
Testis	4	4.2	9.4	0.1-18.6	121						
All cancers	95	100.0	336.6	268-406	3	All cancers	66	100.0	252.1	188-316	5
CHS Great Souther	rn Regio	n									
Males						Females					
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Risk
Prostate	36	26.5	76.7	50.9-103	11	Breast	22	19.6	51.1	28.8-73.3	17
Colorectal	22	16.2	51.4	29.3-73.4	16	Melanoma (skin)	21	18.8	60.6	31.8-89.5	19
Colon	12	8.8	25.6	10.6-40.7	32	Colorectal	11	9.8	19.8	7.4-32.2	47
Rectum	10	7.4	25.7	9.6-41.9	32	Colon	9	8.0	16.5	5.0-27.9	61
Lung	13	9.6	27.4	11.9-42.8	31	Rectum	2	1.8	3.3	0 - 8.1	197
Bladder	11	8.1	18.2	7.2-29.2	48	Unknown primary	11	9.8	24.4	8.9-39.9	35
Melanoma (skin)	8	5.9	18.4	5.2-31.5	54	Lung	6	5.4	13.7	2.3-25.2	76
Pancreas	5	3.7	9.8	0.9-18.6	74	Pancreas	4	3.6	10.3	0.1-20.5	57
Brain	5	3.7	13.8	1.0-26.5	82	Uterus	4	3.6	8.6	0 - 17.5	76
Leukaemia	5	3.7	10.6	0.8-20.3	80						
Leukaemia NOS	0	_			2.2.						
Lymphoid leukaemia	3	2.2	6.5	0 - 14.0	113						
Myeloid leukaemia	0										
Leukaemia, other	2	1.5	4.1	0 - 10.3	275						
All cancers	136	100.0		248-353	3	All cancers		100.0		213-321	4

46 1 24 22	% 23.1 14.6 7.6 7.0 13.3 7.0 3.2 3.2 0.6 2.5 2.8 2.8 0.3 2.5 2.2 2.2 1.9 1.6 1.6	ASR 72.3 45.1 22.9 22.2 47.7 19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 10.7 7.5 6.5 5.3 6.2	95%c.i. 55.2-89.4 31.6-58.6 13.4-32.3 12.6-31.8 32.7-62.8 11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.7-18.7 1.8-13.1 1.5-11.5	Risk 12 18 32 40 20 40 80 88 325 120 180 209 0	Females Breast Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	Cases 68 34 29 20 9 24 17 0 6 11 12 10 10 9 7 0 4	% 25.3 12.6 10.8 7.4 3.3 8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	ASR 74.4 40.7 24.6 15.0 9.6 22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4 13.2 9.2	95%c.i. 56.3-92.6 26.4-55.0 14.8-34.3 7.7-22.3 3.1-16.0 12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1 1.6-16.7	Riss 1 1 2 4 4 7 7 100 4 4 5 5 11 1 10 8 8 11 16 8 8 13
773 246 142 142 142 142 142 142 142 142 142 142	23.1 14.6 7.6 7.0 13.3 7.0 3.2 3.2 0.6 2.5 2.8 0.3 2.5 2.5 2.5 2.5 2.2 2.2 1.9 1.6	72.3 45.1 22.9 22.2 47.7 19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 10.7 7.5 6.5 5.3	55.2-89.4 31.6-58.6 13.4-32.3 12.6-31.8 32.7-62.8 11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	12 18 32 40 20 40 80 88 325 120 180 209 0	Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia	68 34 29 20 9 24 17 0 6 11 12 10 10 9 7	25.3 12.6 10.8 7.4 3.3 8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.7 3.3 2.6	74.4 40.7 24.6 15.0 9.6 22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4	56.3-92.6 26.4-55.0 14.8-34.3 7.7-22.3 3.1-16.0 12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	1 2 4 7 10 4 5 11 10 8 8 11 16 8
446 1 442 22 442 21 410 0 0 2 8 0 9 9 1 0 8 8 8 7 7 6 6 6 5 5 5 5 4	14.6 7.6 7.0 13.3 7.0 3.2 3.2 0.6 2.5 2.8 0.3 2.5 2.5 2.5 2.5 2.5 2.5 2.2 2.2 1.9 1.6	45.1 22.9 22.2 47.7 19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	31.6-58.6 13.4-32.3 12.6-31.8 32.7-62.8 11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	18 32 40 20 40 80 88 325 120 180 209 0	Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia	34 29 20 9 24 17 0 6 11 12 10 10 10	12.6 10.8 7.4 3.3 8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	40.7 24.6 15.0 9.6 22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4	26.4-55.0 14.8-34.3 7.7-22.3 3.1-16.0 12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	2 4 7 10 4 5 11 10 8 8 11 16 8
224 222 222 110 0 0 2 2 8 0 9 9 1 0 0 8 8 8 8 7 7 6 6 6 5 5 5 5 5 4	7.6 7.0 13.3 7.0 3.2 3.2 0.6 2.5 2.8 0.3 2.5 2.5 2.5 2.5 2.2 2.2 1.9 1.6	22.9 22.2 47.7 19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 10.7 7.5 6.5 5.3	13.4-32.3 12.6-31.8 32.7-62.8 11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	32 40 20 40 80 88 325 120 180 209 0	Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia	29 20 9 24 17 0 6 11 12 10 10 10 9 7	10.8 7.4 3.3 8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	24.6 15.0 9.6 22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4	14.8-34.3 7.7-22.3 3.1-16.0 12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	4 7 10 4 5 11 10 8 8 11 16 8
222 242 210 100 22 80 99 10 88 88 77 66 65 55 55 4	7.0 13.3 7.0 3.2 3.2 0.6 2.5 2.8 2.8 0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.6	22.2 47.7 19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 7.1 7.6 6.5 5.3	12.6-31.8 32.7-62.8 11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	40 20 40 80 88 325 120 180 209 0	Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia	20 9 24 17 0 6 11 12 10 10 10 9 7	7.4 3.3 8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	9.6 22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4	7.7-22.3 3.1-16.0 12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	77 100 44 55 111 100 8 8 111 166 8
142 142 142 140 140 140 140 140 140 140 140 140 140	13.3 7.0 3.2 3.2 0.6 2.5 2.8 0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.6	47.7 19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	32.7-62.8 11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	20 40 80 88 325 120 180 209 0	Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	9 24 17 0 6 11 12 10 10 10 9 7	3.3 8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	9.6 22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4 13.2	3.1-16.0 12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	10 4 5 11 10 8 8 11 16
222 110 10 0 0 2 8 0 9 9 1 0 8 8 8 8 7 7 6 6 6 5 5 5 5 5 4	7.0 3.2 3.2 0.6 2.5 2.8 0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.6	19.6 9.2 13.6 3.2 10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	11.1-28.0 3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	40 80 88 325 120 180 209 0 209 87 90	Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	24 17 0 6 11 12 10 10 10 9 7	8.9 6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	22.5 19.9 9.4 10.5 11.8 9.7 9.8 7.4	12.9-32.2 9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	11 10 8 11 16
110 110 0 2 8 8 9 9 9 1 0 8 8 8 7 7 6 6 5 5 5 5 5 4	3.2 3.2 0.6 2.5 2.8 2.8 0.3 2.5 2.5 2.2 2.2 1.9 1.6	9.2 13.6 3.2 10.4 8.0 7.7 0.6 7.1 7.6 6.5 5.3	3.3-15.1 4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	80 88 325 120 180 209 0 209 87 90	Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	17 0 6 11 12 10 10 10 9 7	6.3 2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	9.4 10.5 11.8 9.7 9.8 7.4 13.2	9.5-30.3 1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	11 10 8 8 11 16 8
10 0 2 8 0 9 9 1 0 8 8 8 7 7 6 6 5 5 5 4	3.2 0.6 2.5 2.8 2.8 0.3 2.5 2.5 2.2 2.2 1.9 1.6	13.6 3.2 10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	4.8-22.3 0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	88 325 120 180 209 0 209 87 90	Lymphoma NOS Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	0 6 11 12 10 10 10 9 7	2.2 4.1 4.5 3.7 3.7 3.7 3.3 2.6	9.4 10.5 11.8 9.7 9.8 7.4 13.2	1.5-17.4 3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	11 10 8 8 11 16 8
0 2 8 0 9 1 0 8 8 8 7 7 6 6 5 5 4	0.6 2.5 2.8 2.8 0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.6	3.2 10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	0 - 7.7 2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	325 120 180 209 0 209 87 90	Hodgkin lymphoma NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	6 11 12 10 10 10 9 7	4.1 4.5 3.7 3.7 3.7 3.3 2.6	10.5 11.8 9.7 9.8 7.4 13.2	3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	10 8 8 11 16
2 8 0 9 9 1 0 8 8 8 7 7 6 6 5 5 5 4	2.5 2.8 2.8 0.3 2.5 2.5 2.5 2.2 1.9 1.9	10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	120 180 209 0 209 87 90	NHL Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	11 12 10 10 10 9 7	4.1 4.5 3.7 3.7 3.7 3.3 2.6	10.5 11.8 9.7 9.8 7.4 13.2	3.8-17.1 4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	10 8 8 11 16
8 0 9 1 0 8 8 8 7 7 6 6 5 5 4	2.5 2.8 2.8 0.3 2.5 2.5 2.5 2.2 1.9 1.9	10.4 8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	2.9-17.9 2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	120 180 209 0 209 87 90	Ovary Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	12 10 10 10 9 7 0	4.5 3.7 3.7 3.7 3.3 2.6	11.8 9.7 9.8 7.4 13.2	4.8-18.8 3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	8 1 1 16
0 9 9 1 0 8 8 8 7 7 6 6 5 5 4	2.8 2.8 0.3 2.5 2.5 2.5 2.2 1.9 1.9	8.0 7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	2.6-13.3 2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	180 209 0 209 87 90	Uterus Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	10 10 10 9 7 0	3.7 3.7 3.7 3.3 2.6	9.7 9.8 7.4 13.2	3.3-16.1 3.2-16.5 2.4-12.3 4.4-22.1	1° 16
9 9 1 0 8 8 8 7 7 6 6 5 5 4	2.8 0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.9	7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	209 0 209 87 90	Kidney Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	10 10 9 7 0	3.7 3.7 3.3 2.6	9.8 7.4 13.2	3.2-16.5 2.4-12.3 4.4-22.1	1°
9 1 0 8 8 8 7 7 6 6 5 5 5	2.8 0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.9	7.7 0.6 7.1 7.6 10.7 7.5 6.5 5.3	2.3-13.1 0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	209 0 209 87 90	Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	10 9 7 0	3.7 3.3 2.6	7.4 13.2	2.4-12.3 4.4-22.1	16
1 0 8 8 8 7 7 6 6 5 5 5	0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.9	7.1 7.6 10.7 7.5 6.5 5.3	0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	0 209 87 90	Unknown primary Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	9 7 0	3.3 2.6	13.2	4.4-22.1	8
0 8 8 7 7 6 6 5 5 5	0.3 2.5 2.5 2.5 2.2 2.2 1.9 1.9	7.1 7.6 10.7 7.5 6.5 5.3	0 - 1.9 1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	0 209 87 90	Thyroid gland Leukaemia Leukaemia NOS Lymphoid leukaemia	9 7 0	3.3 2.6	13.2	4.4-22.1	8
8 8 7 7 6 6 5 5 4	2.5 2.5 2.5 2.2 2.2 1.9 1.9	7.1 7.6 10.7 7.5 6.5 5.3	1.8-12.3 2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	209 87 90	Leukaemia Leukaemia NOS Lymphoid leukaemia	7 0	2.6			
8 8 7 7 6 6 5 5 4	2.5 2.5 2.2 2.2 1.9 1.9	7.6 10.7 7.5 6.5 5.3	2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	87 90	Leukaemia NOS Lymphoid leukaemia	0				
8 7 7 6 6 5 5 4	2.5 2.5 2.2 2.2 1.9 1.9	7.6 10.7 7.5 6.5 5.3	2.1-13.0 2.7-18.7 1.8-13.1 1.5-11.5	87 90	Lymphoid leukaemia					
8 7 7 6 6 5 5 5	2.5 2.2 2.2 1.9 1.9 1.6	10.7 7.5 6.5 5.3	2.7-18.7 1.8-13.1 1.5-11.5	90	• •		1.5	5.2	0 - 10.7	26
7 7 6 6 5 5 4	2.2 2.2 1.9 1.9 1.6	7.5 6.5 5.3	1.8-13.1 1.5-11.5			3	1.1	4.0	0 - 9.2	28
7 6 6 5 5 4	2.2 1.9 1.9 1.6	6.5 5.3	1.5-11.5	100	Leukaemia, other	0	1.1	7.0	0 0.2	_(
6 5 5 4	1.9 1.9 1.6	5.3		159	Stomach	5	1.9	4.1	0.3-7.9	1:
6 5 5 5 4	1.9 1.6		1.0-9.6	133	Skin (NMSC exc. SCC/BCC)	4	1.5	3.1	0.3-7.9	2
5 5 5 4	1.6	U.Z	1.1-11.3	100	Brain	4	1.5	6.7	0 - 6.5	1
5 5 4		4.6	0.4-8.8	314	Oesophagus	3	1.1	2.3	0 - 13.5	4
5 4	1 6		0.4-8.8	170	Pancreas	3	1.1	2.3	0 - 5.2	4
4	1.6 1.6	4.7 7.0	0.5-6.9	185	Vulva & vagina	3	1.1	1.9	0 - 5.0	4
					vulva & vagilia	3	1.1	1.9	0 - 4.3	41
4	1.3	4.9	0 - 10.1	170						
4	1.3	4.3	0.0-8.7 0 - 6.6	256						
4	1.3	3.2	0 - 6.6	473						
16 10	0.00	324.8	288-362	3	All cancers	269	100.0	281.9	246-318	
					Fomalos					
20	0/_	ΔSP	95%c i	Rick	i emaies	Casas	0/_	ΔSR	95%c i	Ris
					Projet					1 1
										2
										4
										1
					•					4
										7
										(
					•					(
1	0.1		0 - 0.7		Lymphoma	29	3.8	10.6	6.5-14.6	
	0.4	1.3	0.0-2.6	891	, ,		0.1	0.4	0 - 1.1	27
		7.8	4.3-11.2	135	Hodgkin lymphoma		0.9	3.2	0.8-5.7	2
	2.6	8.1	4.9-11.3	99	NHL	21	2.7	7.0	3.9-10.1	1:
	2.3	7.9	4.6-11.2	98	Leukaemia	24	3.1	9.4	5.3-13.4	13
22	2.2	8.7	4.9-12.6	134	Leukaemia NOS	2	0.3	0.6	0 - 1.5	13
0					Lymphoid leukaemia	10	1.3	4.4	1.5-7.3	2
8	8.0	3.3	0.9-5.8	323	Myeloid leukaemia	12	1.6	4.3	1.6-7.1	3
11	1.1	4.5	1.7-7.2	258	Leukaemia, other	0				
3	0.3	0.9	0 - 2.0	1962	Thyroid gland	23	3.0	9.2	5.4-13.0	1
	2.0	6.4	3.5-9.2	135	Kidney	20	2.6	6.9	3.7-10.0	1:
	2.0	6.4	3.5-9.2	117	Cervix	19	2.5	7.4	3.9-10.8	1
	1.9	7.4		164	Brain	14	1.8	5.8	2.7-8.9	1
					Pancreas					1
										3
										2
										3
					•					2
10	1.0	3.1	1.1-5.1	421	Skin (NMSC exc. SCC/BCC)	6	0.8	1.8	0.4-4.2	3! 64
RR 1/	00.0	329 4	308 340	2	All cancers	770	100.0	272 F		
	95	16 100.0 es % 42 24.5 41 14.3 7.6 66 6.7 21 12.2 85 8.6 330 3.0 2.7 2.7 1 0.1 4 0.4 22 2.2 26 2.6 23 2.3 2.2 0 8 0.8 11 1.1 3 0.3 20 2.0 20 2.0 19 1.9 19 1.9 16 1.6 13 1.3 12 1.2 11 1.1	98	98	## ASR 95%c.i. Risk 42 24.5 79.3 69.1-89.5 10 41 14.3 46.8 38.9-54.7 17 7.6 24.7 19.0-30.4 32 66 6.7 22.1 16.7-27.5 35 21 12.2 40.1 32.8-47.3 22 85 8.6 26.9 21.1-32.7 27 36 3.6 11.3 7.5-15.1 77 30 3.0 10.3 6.5-14.1 85 2.7 9.3 5.6-13.0 118 1 0.1 0.2 0-0.7 0 4 0.4 1.3 0.0-2.6 891 22 2.2 7.8 4.3-11.2 135 22 2.2 7.8 4.3-11.2 135 22 2.2 8.7 4.9-12.6 134 0.0 8 0.8 3.3 0.9-5.8 323 11 1.1 4.5 1.7-7.2 258 3 0.3 0.9 0-2.0 1962 20 2.0 6.4 3.5-9.2 117 19 1.9 6.5 3.5-9.5 148 19 1.9 6.5 3.5-9.5 148 19 1.9 6.5 3.5-9.5 148 12 1.2 4.0 1.6-6.4 239 11 1.1 3.5 1.4-5.6 220 11 1.0 3.1 1.1-5.1 427	Females *** ASR	Females Ses	Females Ses	Females Cases % ASR 95%c.i. Risk Risk	Females Females Females Females Females Females Females Sas

North Metro AHS											
Males						Females					
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Risk
Prostate	510	26.4	94.0	85.6-102	9	Breast	479	30.4	84.5	76.7-92.4	11
Melanoma (skin)	276	14.3	52.3	46.0-58.6	17	Colorectal	193	12.2	28.4	24.0-32.7	31
Colorectal	250	13.0	45.0	39.2-50.7	18	Colon	123	7.8	17.5	14.1-20.9	51
Colon	151	7.8	26.4	22.0-30.7	31	Rectum	70	4.4	10.9	8.1-13.6	76
Rectum	97	5.0	18.2	14.5-21.9	43	Melanoma (skin)	157	9.9	27.5	23.0-32.1	36
Lung	205	10.6	35.4	30.3-40.4	24	Lung	117	7.4	16.8	13.5-20.2	50
Lymphoma	83	4.3	15.5	12.0-19.0	70	Lymphoma	83	5.3	13.7	10.5-16.9	67
Lymphoma NOS	0	0.4		0000	700	Lymphoma NOS	5	0.3	0.4	0.0-0.9	6449
Hodgkin lymphoma	7	0.4	1.4	0.3-2.6	739	Hodgkin lymphoma	6	0.4	1.2	0.1-2.2	1500
NHL	76	3.9	14.0	10.7-17.3	77 75	NHL	72 55	4.6	12.1	9.1-15.1	71
Kidney	60	3.1	11.8	8.7-15.0	75 424	Ovary	55 54	3.5	8.9	6.4-11.4	111
Bladder	48 48	2.5 2.5	7.9 8.8	5.6-10.2	121	Unknown primary Uterus	51 47	3.2	7.1 7.8	4.9-9.2	127
Unknown primary	46 42	2.5	9.9	6.2-11.3 6.6-13.1	100 117		41	3.0 2.6	7.6 8.1	5.4-10.1 5.6-10.6	109 126
Leukaemia Leukaemia NOS	1	0.1	0.2	0.6-13.1	0	Thyroid gland Kidney	32	2.0	5.0	3.2-6.8	154
Lymphoid leukaemia	25	1.3	6.3	3.6-9.0	206	Cervix	30	1.9	5.1	3.2-0.0	210
Myeloid leukaemia	15	0.8	3.2	1.5-4.9	271	Pancreas	28	1.8	4.0	2.4-5.6	198
Leukaemia, other	1	0.6	0.2	0 - 0.5	0	Leukaemia	24	1.5	5.2	2.4-3.6	225
Stomach	39	2.0	6.5	4.3-8.6	165	Leukaemia NOS	0	1.5	3.2	2.0-1.1	223
	36	1.9	6.1		161			0.8	3.3	1252	405
Oesophagus Pancreas	33	1.7	5.7	4.0-8.2	141	Lymphoid leukaemia Myeloid leukaemia	13 7	0.6	3.3 1.5	1.2-5.3 0.3-2.7	595
Testis	33	1.7	7.3	3.7-7.7 4.8-9.9	178	•	4	0.4	0.4	0.3-2.7	3305
Brain	28	1.7	7.3 5.7	3.5-8.0	165	Leukaemia, other Brain	22	1.4	4.7	2.6-6.8	214
	26	1.3	4.7	2.8-6.5	187	Gallbladder / bile ducts	21	1.4	2.5	1.3-3.7	631
Lip Skin (NMSC exc. SCC/BCC)	20	1.0	3.5	1.9-5.1	302	Myeloma	20	1.3	2.9	1.6-4.3	246
Myelodysplastic diseases	20	1.0	3.2	1.7-4.7	283	Bladder	18	1.1	2.4	1.2-3.6	322
Myeloma	18	0.9	2.8	1.7-4.7	338	Stomach	17	1.1	2.4	1.4-4.1	245
Liver	16	0.8	2.9	1.4-4.3	296	Vulva & vagina	16	1.0	2.0	0.9-3.1	390
Larynx	16	0.8	2.9	1.4-4.3	299	Skin (NMSC exc. SCC/BCC)	14	0.9	2.2	1.0-3.4	490
Larynx		0.0	2.5	1.7 4.0	200	OKIT (MINOO CXC. GGG/BGG)		0.5		1.0 0.4	430
All cancers	1930	100.0	355.4	339-372	3	All cancers	1578	100.0	259.4	246-273	4
South Metro AHS Males						Females					
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Risk
Prostate	478	25.5	92.9	84.3-101	9	Breast	434	28.9	86.9	78.4-95.3	10
Melanoma (skin)	253	13.5	52.3	45.7-59.0	18	Colorectal	202	13.4	32.0	27.2-36.9	28
Colorectal	230	12.3	43.5	37.7-49.3	21	Colon	133	8.8	21.0	17.1-24.9	42
Colon	137	7.3	25.3	20.9-29.7	36	Rectum	66	4.4	10.5	7.7-13.3	80
Rectum	93	5.0	18.2	14.4-22.0	47	Melanoma (skin)	149	9.9	30.0	24.9-35.1	31
Lung	213	11.3	38.1	32.8-43.5	22	Lung	119	7.9	19.2	15.5-23.0	42
Lymphoma	88	4.7	18.5	14.5-22.5	48	Lymphoma	68	4.5	12.4	9.2-15.6	80
Lymphoma NOS	6	0.3	1.2	0.2-2.3	1353	Lymphoma NOS	2	0.1	0.4	0 - 1.0	2178
Hodgkin lymphoma	8	0.4	2.2	0.6-3.8	720	Hodgkin lymphoma	5	0.3	1.5	0.2-2.9	985
NHL	74	3.9	15.1	11.6-18.6	53	NHL	61	4.1	10.5	7.6-13.3	90
Unknown primary	55	2.9	9.7	7.0-12.3	99	Unknown primary	63	4.2	8.4	6.0-10.7	121
Kidney	47	2.5	9.3	6.5-12.1	89	Lip	39	2.6	6.7	4.4-9.0	143
Bladder	47	2.5	8.3	5.8-10.7	134	Uterus	38	2.5	6.9	4.6-9.2	119
Leukaemia	46	2.5	9.9	6.8-12.9	110	Ovary	36	2.4	6.5	4.2-8.8	149
Leukaemia NOS	2	0.1	0.3	0 - 0.9	4926	Thyroid gland	36	2.4	8.3	5.5-11.1	136
Lymphoid leukaemia	24	1.3	5.5	3.1-7.8	212	Pancreas	35	2.3	5.3	3.4-7.3	157
Myeloid leukaemia	12	0.6	2.6	1.1-4.2	357	Cervix	33	2.2	7.3	4.7-9.9	140
Leukaemia, other	8	0.4	1.4	0.4-2.5	715	Leukaemia	29	1.9	6.4	3.6-9.1	164
Stomach	45	2.4	8.8	6.1-11.4	99	Leukaemia NOS	2	0.1	0.2	0 - 0.4	0
Lip	40	2.1	8.1	5.5-10.7	116	Lymphoid leukaemia	7	0.5	1.9	0.2-3.6	563
Pancreas	38	2.0	7.3	4.9-9.7	135	Myeloid leukaemia	18	1.2	4.1	2.0-6.2	245
Mesothelioma	30	1.6	5.9	3.7-8.1	127	Leukaemia, other	2	0.1	0.3	0 - 0.7	3987
Brain	27	1.4	6.3	3.7-8.8	149	Kidney	28	1.9	5.2	3.2-7.3	162
Oesophagus	26	1.4	4.6	2.8-6.5	208	Brain	20	1.3	4.1	2.2-6.0	199
Larynx	21	1.1	4.0	2.3-5.8	213	Bladder	18	1.2	2.2	1.1-3.3	693
Testis			E 0		232	Myeloma	16	1.1	2.9		313
	21	1.1	5.9	3.3-8.4						1.3-4.4	
Skin (NMSC exc. SCC/BCC)	19	1.0	3.9	2.1-5.6	216	Oesophagus	14	0.9	2.2	1.0-3.4	305
Myeloma	19 17	1.0 0.9	3.9 3.0	2.1-5.6 1.5-4.5	216 318	Oesophagus Stomach	14 14	0.9 0.9	2.2 1.7	1.0-3.4 0.7-2.7	305 635
,	19	1.0	3.9	2.1-5.6	216	Oesophagus	14	0.9	2.2	1.0-3.4	305

Males						Females					
	Cases	%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Ris
Prostate	988	26.0	93.4	87.4-99.4	9	Breast	913	29.6	85.6	79.9-91.4	1
Melanoma (skin)	529	13.9	52.3	47.7-56.8	18	Colorectal	395	12.8	30.1	26.9-33.4	2
Colorectal	480	12.6	44.2	40.1-48.3	19	Colon	256	8.3	19.2	16.6-21.8	4
Colon	288	7.6	25.8	22.7-28.9	33	Rectum	136	4.4	10.7	8.8-12.7	7
Rectum	190	5.0	18.2	15.5-20.9	45	Melanoma (skin)	306	9.9	28.8	25.4-32.2	3
Lung	418	11.0	36.7	33.1-40.4	23	Lung	236	7.7	18.0	15.5-20.5	4
Lymphoma NOS	171	4.5	16.9	14.2-19.5	57	Lymphoma NOS	151	4.9	13.1	10.8-15.3	7
Lymphoma NOS	6	0.2	0.6	0.1-1.1	2898	Lymphoma NOS	7	0.2	0.4	0.1-0.8	336
Hodgkin lymphoma	15	0.4	1.8	0.8-2.7	741	Hodgkin lymphoma	11	0.4	1.3	0.5-2.2	120
NHL	150	3.9	14.5	12.1-17.0	63	NHL	133	4.3	11.3	9.2-13.4	7
Kidney	107	2.8	10.7	8.5-12.8	81	Unknown primary	114	3.7	7.7	6.1-9.3	12
Unknown primary	103	2.7	9.2	7.4-11.1	99	Ovary	91	3.0	7.8	6.1-9.5	12
Bladder	95	2.5	8.0	6.4-9.7	127	Uterus	85	2.8	7.4	5.7-9.0	11
Leukaemia	88	2.3	9.9	7.7-12.1	114	Thyroid gland	77	2.5	8.2	6.3-10.1	13
Leukaemia NOS	3	0.1	0.2	0 - 0.5		Pancreas	63	2.0	4.6	3.4-5.9	17
Lymphoid leukaemia	49	1.3	5.9	4.1-7.8	209	Cervix	63	2.0	6.1	4.5-7.7	17
Myeloid leukaemia	27	0.7	2.9	1.8-4.1	309	Kidney	60	1.9	5.1	3.7-6.4	15
Leukaemia, other	9	0.2	0.8	0.2-1.3	1462	Leukaemia	53	1.7	5.8	3.9-7.6	19
Stomach	84	2.2	7.6	5.9-9.3	125	Leukaemia NOS	2	0.1	0.1	0 - 0.2	
Pancreas	71	1.9	6.4	4.9-8.0	139	Lymphoid leukaemia	20	0.6	2.6	1.3-4.0	46
Lip	66	1.7	6.3	4.7-7.9	145	Myeloid leukaemia	25	8.0	2.7	1.5-3.9	3
Oesophagus	62	1.6	5.4	4.0-6.8	181	Leukaemia, other	6	0.2	0.4	0.0-0.7	36
Brain	55	1.4	6.0	4.3-7.6	157	Lip	52	1.7	4.4	3.1-5.7	2
Testis	54	1.4	6.7	4.9-8.5	199	Brain	42	1.4	4.4	3.0-5.9	2
Mesothelioma	45	1.2	4.2	2.9-5.5	189	Bladder	36	1.2	2.3	1.5-3.1	4
Skin (NMSC exc. SCC/BCC)	39	1.0	3.7	2.5-4.9	253	Myeloma	36	1.2	2.9	1.9-3.9	2
Larynx	37	1.0	3.4	2.3-4.5	251	Stomach	31	1.0	2.3	1.4-3.1	3
Myeloma	35	0.9	2.9	1.9-3.9	327	Gallbladder / bile ducts	31	1.0	1.9	1.1-2.6	8
Myelodysplastic diseases	34	0.9	2.8	1.8-3.8	343	Vulva & vagina	28	0.9	2.3	1.3-3.2	3
A.II	2007	100.0	361.8	350-374	0	All cancers	3082	100.0	266.1	256-276	
All cancers	3807	100.0	301.0	350-374	3	All caricers	3002	100.0	200.1	250 270	
All Western Australia Vales		100.0		330-374		Females	3002	100.0	200.1	230 270	
All Western Australia		%	ASR	95%c.i.	Risk		Cases	%	ASR	95%c.i.	Ri
All Western Australia											
All Western Australia Males Prostate	Cases	%	ASR	95%c.i.	Risk	Females	Cases	%	ASR	95%c.i.	
All Western Australia Males	Cases 1230	% 25.6	ASR 90.2	95%c.i. 85.0-95.4	Risk 9	Females Breast	Cases 1119	% 29.0	ASR 83.4	95%c.i. 78.4-88.5	
All Western Australia Males Prostate Melanoma (skin)	Cases 1230 650	% 25.6 13.6	ASR 90.2 49.4	95%c.i. 85.0-95.4 45.5-53.3	Risk 9 19	Females Breast Colorectal	Cases 1119 467	% 29.0 12.1	ASR 83.4 28.5	95%c.i. 78.4-88.5 25.7-31.4	
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon	Cases 1230 650 621	% 25.6 13.6 12.9	ASR 90.2 49.4 44.8	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4	Risk 9 19	Females Breast Colorectal Colon Rectum	Cases 1119 467 310	% 29.0 12.1 8.0	ASR 83.4 28.5 18.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5	
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum	Cases 1230 650 621 363	% 25.6 13.6 12.9 7.6	ASR 90.2 49.4 44.8 25.6	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3	Risk 9 19 19 33	Females Breast Colorectal Colon Rectum Melanoma (skin)	Cases 1119 467 310 154	% 29.0 12.1 8.0 4.0 10.4	ASR 83.4 28.5 18.5 9.8 30.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8	
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung	Cases 1230 650 621 363 256 503	% 25.6 13.6 12.9 7.6 5.3 10.5	ASR 90.2 49.4 44.8 25.6 19.0 34.5	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7	Risk 9 19 19 33 42 24	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung	Cases 1119 467 310 154 403 301	% 29.0 12.1 8.0 4.0 10.4 7.8	ASR 83.4 28.5 18.5 9.8 30.5 18.8	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1	
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma	Cases 1230 650 621 363 256 503 198	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1	ASR 90.2 49.4 44.8 25.6 19.0 34.5	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4	Risk 9 19 19 33 42 24 65	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma	Cases 1119 467 310 154 403 301 180	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5	
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS	Cases 1230 650 621 363 256 503 198 7	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9	Risk 9 19 19 33 42 24 65 3793	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma Lymphoma NOS	Cases 1119 467 310 154 403 301 180 8	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7	32
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma	Cases 1230 650 621 363 256 503 198 7	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5	Risk 9 19 19 33 42 24 65 3793 770	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma	Cases 1119 467 310 154 403 301 180 8	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5	32
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	Cases 1230 650 621 363 256 503 198 7	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0	Risk 9 19 19 33 42 24 65 3793 770 72	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	Cases 1119 467 310 154 403 301 180 8 18	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2	32 7
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma Hodgkin lymphoma NHL Unknown primary	Cases 1230 650 621 363 256 503 198 7 19 172	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3	Risk 9 19 19 33 42 24 655 3793 770 72 94	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary	Cases 1119 467 310 154 403 301 180 8 18 154	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.5 4.0 3.9	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8	32 7
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney	Cases 1230 650 621 363 256 503 198 7 19 172 134	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6 2.8 2.8	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8	Risk 9 19 19 33 42 24 65 3793 770 72 94 85	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary	Cases 1119 467 310 154 403 301 180 8 18 154 154	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.4	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7	32 7
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder	Cases 1230 650 621 363 256 503 198 7 19 172 134 133	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6 2.8 2.8	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 8.2-11.8 7.2-10.3	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus	Cases 1119 467 310 154 403 301 180 8 18 154 151 120	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.2 8.0	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5	32 7 1 1
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6 2.8 2.8 2.7 2.3	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.2 8.0 8.4	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1	32 7 1 1 1 1
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6 2.8 2.8 2.7 2.3 0.1	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.4 8.2 8.0 8.4 6.4	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8	32 7 1 1 1 1 1
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.8 2.7 2.3 0.1 1.2	ASR 90.2 49.4 44.8 25.6 19.0 34.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.2 8.2 8.4 6.4 5.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8	322 77 11 11 11 11
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia Leukaemia Myeloid leukaemia	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.4 8.2 8.0 8.4 6.4 5.5 6.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1	32 7 1 1 1 1 1 1 1
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 8.8 9.6 0.2 5.3 3.3 0.8	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS	Cases 1119 467 310 154 403 301 180 8 18 154 154 151 120 114 100 82 80 77	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.1	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4	32 7 1 1 1 1 1 1 67
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.3 2.2	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.1 0.8	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5 0.2 3.1	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3	322 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3 6.4	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.8 1.0	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5 6.2 3.1 3.0	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0	322 77 11 11 11 11 11 11 16 77 22 33
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9	ASR 90.2 49.4 44.8 25.6 19.0 34.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 13.0 2.6 2.1 2.1 2.0 0.1 0.2	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.4 6.4 5.5 6.5 0.3	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6	322 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8	ASR 90.2 49.4 44.8 25.6 19.0 34.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151 155	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6 75	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.1 0.2 1.0	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.4 8.2 8.0 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6	322 7 67 46
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip Brain	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5	ASR 90.2 49.4 44.8 25.6 19.0 34.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0 6.1	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.6-7.5	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151 155 155	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6 75 58	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.0 0.1 0.8 1.0 0.2 1.9 1.5	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.2 8.0 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.5	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1	322 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip Brain Testis	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74 73	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5 1.5	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0 6.1 6.8	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.6-7.5 5.2-8.4	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151 155 155 190	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip Brain	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6 75 58	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.0 2.6 2.1 2.0 0.1 0.8 1.0 0.2 1.9 1.5 1.5	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.5 4.0	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1 3.4-6.0	322 7 67 46
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip Brain Testis Mesothelioma	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74 73 56	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5 1.5 1.5	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0 6.1 6.8 4.0	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.6-7.5 5.2-8.4 3.0-5.1	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151 155 155 190 195	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip Brain Myeloma	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6 75 58	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.1 0.8 1.0 0.2 1.9 1.5 1.5	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.0 4.7 2.8	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1 3.4-6.0 1.9-3.7	322 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia Leukaemia Myeloid leukaemia	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74 73 56 51	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5 1.5 1.5 1.1	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0 6.1 6.8	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.6-7.5 5.2-8.4 3.0-5.1 2.7-4.8	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151 155 155 190	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip Brain Myeloma Bladder	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6 75 58 56 44 41	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.1 1.0 0.2 1.9 1.5 1.1 1.1	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.5 4.7 2.8 2.2	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1 3.4-6.0	322 77 11 11 11 11 11 11 11 11 11 11 11 11
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip Brain Testis Mesothelioma Skin (NMSC exc. SCC/BCC) Myeloma	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74 73 56 51 48	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5 1.5 1.5 1.2 1.1 1.0	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0 6.1 6.0 3.7 3.3	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.6-7.5 5.2-8.4 3.0-5.1 2.7-4.8 2.3-4.2	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 155 155 190 195 250 288	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip Brain Myeloma Bladder Stomach	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 82 80 77 4 30 37 6 75 58 56 44 41	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 2.1 2.0 0.1 1.0 0.2 1.9 1.5 1.1 1.1	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.5 4.0 4.7 2.8 2.2 2.3	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1 3.4-6.0 1.9-3.7 1.5-3.0 1.5-3.1	322 7 1 1 1 1 1 1 1 6 7 4 6 3 4 6 6 1 2 2 4 4 3 3
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip Brain Testis Mesothelioma Skin (NMSC exc. SCC/BCC) Myeloma	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74 73 56 51 48	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5 1.5 1.5 1.5 1.1 1.0 1.0	ASR 90.2 49.4 44.8 25.6 19.0 34.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.8 7.3 6.4 6.0 6.0 6.1 6.8 4.0 3.3 3.3	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.7-7.3 4.6-7.5 5.2-8.4 3.0-5.1 2.7-4.8 2.3-4.2 2.4-4.3	Risk 9 19 19 33 424 655 3793 770 72 94 85 111 118 14514 228 294 1550 127 134 151 155 155 190 195 250 288 251	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip Brain Myeloma Bladder	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 114 100 82 80 77 4 30 37 6 75 58 56 44 41	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 3.0 2.6 2.1 2.1 2.0 0.1 1.0 0.2 1.9 1.5 1.1 1.1	ASR 83.4 28.5 18.5 9.8 30.5 18.8 12.5 0.4 1.7 10.4 8.2 8.0 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.5 4.7 2.8 2.2	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1 3.4-6.0 1.9-3.7 1.5-3.0	32 7 1 1 1 1 1 67 4 4 6 1 1 2 1 1 2 4 3 3 3 4 6 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
All Western Australia Males Prostate Melanoma (skin) Colorectal Colon Rectum Lung Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Kidney Bladder Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Stomach Pancreas Oesophagus Lip Brain Testis Mesothelioma Skin (NMSC exc. SCC/BCC)	Cases 1230 650 621 363 256 503 198 7 19 172 134 133 131 110 3 57 38 12 104 91 85 82 74 73 56 51 48	% 25.6 13.6 12.9 7.6 5.3 10.5 4.1 0.4 3.6 2.8 2.7 2.3 0.1 1.2 0.8 0.3 2.2 1.9 1.8 1.7 1.5 1.5 1.5 1.2 1.1 1.0	ASR 90.2 49.4 44.8 25.6 19.0 34.5 15.2 0.5 1.7 13.0 9.6 10.0 8.8 9.6 0.2 5.3 3.3 0.2 6.4 6.0 6.1 6.0 6.1 6.3 7.3 7.3	95%c.i. 85.0-95.4 45.5-53.3 41.2-48.4 22.9-28.3 16.7-21.4 31.4-37.7 13.0-17.4 0.1-0.9 0.9-2.5 11.0-15.0 7.9-11.3 8.2-11.8 7.2-10.3 7.7-11.6 0 - 0.4 3.8-6.8 2.2-4.4 0.3-1.3 5.8-8.7 5.0-7.8 4.7-7.3 4.6-7.5 5.2-8.4 3.0-5.1 2.7-4.8 2.3-4.2	Risk 9 19 19 33 42 24 65 3793 770 72 94 85 111 118 14514 228 294 1550 155 155 190 195 250 288	Females Breast Colorectal Colon Rectum Melanoma (skin) Lung Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Unknown primary Ovary Uterus Thyroid gland Cervix Kidney Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Pancreas Lip Brain Myeloma Bladder Stomach	Cases 1119 467 310 154 403 301 180 8 18 154 151 120 82 80 77 4 30 37 6 75 58 56 44 41	% 29.0 12.1 8.0 4.0 10.4 7.8 4.7 0.2 0.5 4.0 3.9 3.1 2.1 2.0 0.1 1.0 0.2 1.9 1.5 1.1 1.1	ASR 83.4 28.5 18.5 9.8 30.5 12.5 0.4 1.7 10.4 8.4 6.4 5.5 6.5 0.2 3.1 3.0 0.3 4.5 4.0 4.7 2.8 2.2 2.3	95%c.i. 78.4-88.5 25.7-31.4 16.3-20.8 8.1-11.5 27.3-33.6 16.5-21.1 10.6-14.5 0.1-0.7 0.9-2.5 8.7-12.2 6.9-9.8 6.6-9.7 6.4-9.5 6.7-10.1 4.9-7.8 4.2-6.8 4.8-8.1 0 - 0.4 1.8-4.3 1.9-4.0 0.0-0.6 3.4-5.6 2.9-5.1 3.4-6.0 1.9-3.7 1.5-3.0 1.5-3.1	Richard Richar

0										
0										
_				-	Leukaemia, other	0				
2	4.2	4.5	0 - 10.7	156	Myeloid leukaemia	1	2.9	3.2	0 - 9.6	37
	21	3.0	0 - 9 0				2.9	1.7	0 - 4.9	
	6.3	7.5	0 - 16.2							37
3	6.3	8.4	0 - 18.1	107	Brain	2	5.7	5.7	0 - 13.6	7
4	8.3	10.3	0.1-20.5	88	Cervix	2	5.7	6.7	0 - 16.0	8
4	8.3	12.3	0.2-24.3	56	Rectum	0				
1	2.1	2.6	0 - 7.6	156	Colon	2	5.7	5.5	0 - 13.5	33
5	10.4			42	Colorectal	2	5.7	5.5	0 - 13.5	33
										5 13
					Droot	Deaths				Ris
					Females					
son Re	gion									
		95.5	48.6-142	6	All cancer deaths	20	100.0	118.1	62.8-173	
					All					
					Brain	1	5.0	4.6	0 - 30.0	43
7	5.6	1.2	0 - 21.3	•						15 6
										47
0			0 00=	-	Pancreas	1	5.0	3.8	0 - 11.4	31
0				-	Tongue	1	5.0	8.7	0 - 25.8	4
1	5.6	7.0	0 - 20.7	58	Rectum	1	5.0	3.9	0 - 11.5	25
1	5.6	7.0	0 - 20.7	58	Colon	0				_
1	5.6	7.0	0 - 20.7	58	Colorectal	1	5.0	3.9	0 - 11.5	25
1										5
							15.0	14 1	0 - 32 4	6
1	5.6	3.2	0 - 9.4	252	Lymphoma	3	15.0	14.1	0 - 32.4	6
2	11.1	6.1	0 - 14.4	147	Breast	3	15.0	14.3	0 - 30.8	37
8	44.4	49.0	13.6-84.3	12	Unknown primary	5	25.0	37.0	4.2-69.7	2
Deaths	%	ASR	95%c.i.	Risk	Tomaioo	Deaths	%	ASR	95%c.i.	Ris
no rtog	1011				Females					
ne Rea	ion									
19	100.0	140.3	76.3-204	7	All cancer deaths	16	100.0	127.3	61.4-193	
					Leukaemia	1	6.3	6.5	0 - 19.2	15
1	5.3	8.2	0 - 24.1	*	Lymphoma	1	6.3	3.7	0 - 10.9	32
1	5.3	7.9	0 - 23.2	102	Bladder	1	6.3	7.2	0 - 21.4	11
1	5.3	8.5	0 - 25.3	47		1	6.3	12.4	0 - 36.7	3
				*	•					15
										11 15
									0 04 4	
5	26.3	39.5	4.3-74.7	17	Colon	2	12.5	9.9	0 - 23.6	12
2	10.5	13.0	0 - 31.5	62	Colorectal	2	12.5	9.9	0 - 23.6	12
3	15.8	22.5	0 - 47.9	51	Unknown primary	3	18.8	33.7	0 - 72.0	2
					Breast					4
Dootho	0/	A C D	0E9/ o i	Diek	remaies	Dootho	0/	۸CD	0E9/ o i	Ris
	2 5 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths

Lung	CHS Wheatbelt Reg	gion										
Lung	Males						Females					
Color		Deaths	%	ASR	95%c.i.	Risk		Deaths	%	ASR		Risk
Colon	•						•					65
Rectum												71
Prostate							' '					135
Brain												183
Bladder							•					458
Description												359
Stomach									6.3	4.2	0 - 9.3	359
Melanoma (skin)									0.0	- 4	0 44.4	-
Pancreas												201
Skin (not melanoma) 2 2.9 2.7 0 - 6.5 248 Lymphoma 2 4.2 3.7 0 - 8.8 10	,						•					
Mesohieloma												
Lymphoma	,						• •		4.2	3.7	0 - 8.8	109
All cancer deaths							* *					-
All cancer deaths 69 100.0 113.2 85.7-141 8 All cancer deaths 48 100.0 67.2 46.8-87.6 1 CHS Goldfields-SE Coastal Region Males Deaths % ASR 95%c.i. Risk Lung 8 25.0 31.4 8.5-44.1 19 Lung 8 25.0 31.4 8.5-44.1 31 19 Lung 8 25.0 31.4 8.5-44.1 31 19 Lung 8 25.0 31.4 8.5-44.1 31 19 Lung 8 25.0 31.4 8.5-44.1 19 Lung 18 25.0 31.4 19 Lung 18 25.0 3									4.2	27	0 0 0	100
CHS Goldfields-SE Coastal Region	Суттрпотпа	2	2.9	4.5	0-11.5	307	NIIL	2	4.2	3.7	0 - 0.0	109
Name	All cancer deaths	69	100.0	113.2	85.7-141	8	All cancer deaths	48	100.0	67.2	46.8-87.6	15
Deaths	CHS Goldfields-SE	Coastal	Regio	n								
Lung	Males						Females					
Prostate		Deaths	%	ASR	95%c.i.	Risk		Deaths	%	ASR	95%c.i.	Risk
Colorectal 5	Lung	13	31.7	47.7	21.3-74.1	19	Lung	8	25.0	31.4	8.4-54.4	35
Colon 2 4.9 7.2 0 - 17.2 * Colorectal 2 6.3 10.3 0 - 24.6 4 Rectum 3 7.3 11.4 0 - 24.4 134 Colon 1 3.1 4.7 0 - 13.8 8 Unknown primary 4 9.8 16.0 0.13.19 41 Rectum 1 3.1 4.7 0 - 13.8 8 Bladder 2 4.9 6.3 0 - 15.0 359 Oesophagus 2 6.3 7.7 0 - 19.4 14 Palate 1 2.4 4.8 0 - 14.1 85 Unknown primary 2 6.3 4.2 0 - 9.9 Palate 1 2.4 4.8 0 - 14.1 85 Unknown primary 2 6.3 4.9 0 - 11.7 44 Oesophagus 1 2.4 4.8 0 - 14.1 85 Unknown primary 2 6.3 4.9 0 - 11.7 44 Stomach 1 2.4 4	Prostate	6	14.6	22.7	4.4-41.0	59	Breast	6	18.8	20.3	3.1-37.6	48
Rectum 3 7.3 11.4 0 - 24.4 134 Colon 1 3.1 4.7 0 - 13.8 8 Unknown primary 4 9.8 16.0 0.1-31.9 41 Rectum 1 3.1 5.6 0 - 16.7 10 Bladder 2 4.9 6.3 0 - 15.0 359 Oesophagus 2 6.3 7.7 0 - 19.4 14 Tongue 1 2.4 2.9 0 - 8.6 412 Stomach 2 6.3 7.6 0 - 18.4 8 Oesophagus 1 2.4 4.8 0 - 14.1 85 Unknown primary 2 6.3 7.6 0 - 18.4 8 Oesophagus 1 2.4 4.2 0 - 12.3 193 Leukaemia 2 6.3 4.9 0 - 11.7 44 Stomach 1 2.4 3.1 0 - 9.1 Leukaemia NOS O Anus 1 2.4 4.8 0 - 14.1 85 Lymphoid leukaemia 1 3.1 2.7 0 - 8.0 44 Larynx 1 2.4 4.8 0 - 14.1 85 Myeloid leukaemia 1 3.1 2.7 0 - 8.0 44 Larynx 1 2.4 4.8 0 - 14.1 85 Myeloid leukaemia 1 3.1 2.7 0 - 8.0 44 Larynx 1 2.4 4.5 0 - 13.3 134 Kidney 1 2.4 4.2 0 - 12.3 193 Leukaemia, other O Melanoma (skin) 1 2.4 4.2 0 - 12.3 193 Leukaemia 1 2.4 4.2 0 - 12.3 193 Leukaemia CHS Great Southern Region Males Females CHS Great Southern Region Males Females CHS Great Southern CHS Great Southern Region Males Females CHS Great Southern Region ARR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 30.924.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colon 3 4.8 5.1 0 - 11.3 240 Colon 3 4.8 5.1 0 - 11.3 240 Colorectal 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 8.8 0.4-17.2 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 8.8 0.4-17.2 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 7.5 0.2-14.7 27 Ridney 4 6.5 7.0 0 - 14.0 326 Leukaemia 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Colorectal	5	12.2	18.6	2.3-35.0	134	Pancreas	3	9.4	11.2	0 - 24.8	78
Unknown primary	Colon	2	4.9	7.2	0 - 17.2	*	Colorectal	2	6.3	10.3	0 - 24.6	48
Bladder	Rectum	3	7.3	11.4	0 - 24.4	134	Colon	1	3.1	4.7	0 - 13.8	86
Tongue	Unknown primary	4	9.8	16.0	0.1-31.9	41	Rectum	1	3.1	5.6	0 - 16.7	107
Palate	Bladder	2	4.9	6.3	0 - 15.0	359	Oesophagus	2	6.3	7.7	0 - 19.4	142
Oesophagus	Tongue	1	2.4	2.9	0 - 8.6	412	Stomach	2	6.3	4.2	0 - 9.9	*
Stomach	Palate	1	2.4	4.8	0 - 14.1	85	Unknown primary	2	6.3	7.6	0 - 18.4	86
Anus 1 2.4 4.8 0-14.1 85 Leukaemia 1 3.1 2.2 0-6.4 Pancreas 1 2.4 4.8 0-14.1 85 Myeloid leukaemia 1 3.1 2.7 0-8.0 44 Larynx 1 2.4 4.5 0-13.3 134 Kidney 1 2.4 4.5 0-13.3 134 Kidney 1 2.4 4.9 0-8.6 412 All cancer deaths 41 100.0 154.7 107-203 6 All cancer deaths 32 100.0 115.7 72.9-158 CHS Great Southern Region Males Females Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Deaths 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0-7.4 19 Colon 3 4.8 5.1 0-11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0-17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0-16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0-14.7 106 Leukaemia 1 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0-14.0 326 Leukaemia NOS Unknown primary 4 6.5 8.2 0-16.4 776 Myeloid leukaemia 3 5.9 3.2 0-7.0 Bladder 3 4.8 5.4 0-11.5 190 Leukaemia, other 0	Oesophagus	1	2.4	4.2	0 - 12.3		Leukaemia	2	6.3	4.9	0 - 11.7	443
Pancreas	Stomach	1		3.1		*	Leukaemia NOS					-
Larynx 1 2.4 2.9 0 - 8.6 412 Leukaemia, other 0 Melanoma (skin) 1 2.4 4.5 0 - 13.3 134 Kidney 1 2.4 4.2 0 - 12.3 193 Leukaemia 1 2.4 2.9 0 - 8.6 412 All cancer deaths 41 100.0 154.7 107-203 6 All cancer deaths 32 100.0 115.7 72.9-158 CHS Great Southern Region Males Peaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Lung 111 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colon 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Risk 10 New primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 Unknown primary 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0							* *					*
Melanoma (skin) 1 2.4 4.5 0 - 13.3 134 Kidney 1 2.4 4.2 0 - 12.3 193 Leukaemia 1 2.4 2.9 0 - 8.6 412 All cancer deaths 32 100.0 115.7 72.9-158 CHS Great Southern Region Males Females Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Color 3 4.8 5.1 0 - 11.3 240							•		3.1	2.7	0 - 8.0	443
Kidney 1 2.4 4.2 0 - 12.3 193 Leukaemia 1 2.4 2.9 0 - 8.6 412 CHS Great Southern Region Females Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2	•						Leukaemia, other	0				-
Leukaemia 1 2.4 2.9 0 - 8.6 412 All cancer deaths 31 100.0 115.7 72.9-158 CHS Great Southern Region Females Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Color 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8	` '											
All cancer deaths 41 100.0 154.7 107-203 6 All cancer deaths 32 100.0 115.7 72.9-158 CHS Great Southern Region Males Deaths	•											
CHS Great Southern Region Males Deaths Males Females												
Males Females Deaths % ASR 95%c.i. Risk Deaths % ASR 95%c.i. Risk Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 -7.4 19 Colon 3 4.8 5.1 0 -11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 -17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 -16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7	All cancer deaths	41	100.0	154.7	107-203	6	All cancer deaths	32	100.0	115.7	72.9-158	8
Lung Deaths % ASR 95%c.i. Risk Colorectal Deaths % ASR 95%c.i. Risk Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colon 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Ridney		n Regior	1									
Lung 11 17.7 20.6 7.9-33.4 51 Colorectal 7 13.7 9.4 1.6-17.2 10 Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colon 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney <td< td=""><td>Males</td><td></td><td></td><td></td><td></td><td>5</td><td>Females</td><td>5</td><td></td><td></td><td></td><td>5</td></td<>	Males					5	Females	5				5
Prostate 8 12.9 14.1 4.2-24.0 64 Colon 5 9.8 6.4 0.0-12.9 22 Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colon 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0 Unknown primary 4 6.5 9.1 0.0-18.2												Risk
Colorectal 7 11.3 13.7 3.0-24.3 110 Rectum 2 3.9 3.0 0 - 7.4 19 Colon 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0 Unknown primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 Myeloma 4 6.5 8.2 0 - 16.4	•											105
Colon 3 4.8 5.1 0 - 11.3 240 Lung 5 9.8 12.1 1.1-23.0 7 Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0 Unknown primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 Myeloma 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190												224
Rectum 4 6.5 8.5 0 - 17.2 201 Breast 5 9.8 11.0 0.8-21.1 11 Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0 Unknown primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 Myeloma 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0												
Oesophagus 4 6.5 8.3 0 - 16.7 80 Unknown primary 5 9.8 8.8 0.4-17.2 7 Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0 0 - 10.2-14.7 27 Unknown primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 - 10.4 27 Myeloma 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0 - 10.4 27							•					
Pancreas 4 6.5 7.3 0 - 14.7 106 Leukaemia 5 9.8 7.5 0.2-14.7 27 Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0												
Kidney 4 6.5 7.0 0 - 14.0 326 Leukaemia NOS 0 Unknown primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 Myeloma 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0							·					
Unknown primary 4 6.5 9.1 0.0-18.2 84 Lymphoid leukaemia 3 5.9 3.2 0 - 7.0 Myeloma 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0									3.0	7.5	0.2-14.7	210
Myeloma 4 6.5 8.2 0 - 16.4 176 Myeloid leukaemia 2 3.9 4.2 0 - 10.4 27 Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0	•								5.0	3 2	0 - 7 0	*
Bladder 3 4.8 5.4 0 - 11.5 190 Leukaemia, other 0							, ,					276
·	•						•		0.5	7.2	0 10.4	2/0
5 1.0 Gill 0 10.1 110 1 anotodo 4 1.0 0.0 0 10.0 1									7.8	8.9	0 - 18 0	76
Leukaemia 3 4.8 5.8 0 - 12.7 275 Stomach 3 5.9 6.2 0 - 13.8 11												112
												111
Lymphoid leukaemia 0 -						_	- 1- 7					
Myeloid leukaemia 2 3.2 2.9 0 - 6.8 *	- ·		3.2	2.9	0 - 6.8	*						
Leukaemia, other 1 1.6 2.9 0 - 8.6 275	•					275						
All cancer deaths 62 100.0 121.7 90.0-153 9 All cancer deaths 51 100.0 97.4 68.1-127 1	All cancer deaths	62	100.0	121.7	90.0-153	9	All cancer deaths	51	100.0	97.4	68.1-127	10

South West AHS											
Males	5 "	0.4	4.00	050/ :	D: 1	Females	5 4	0/	4.00	050/	ρ.
Luna	Deaths	% 10.4	ASR	95%c.i.	Risk	Luna	Deaths	%	ASR	95%c.i.	Ri
Lung Colorectal	28 20	19.4 13.9	26.0 20.4	16.0-36.0 11.2-29.6	34 44	Lung Colorectal	22 15	21.6 14.7	20.0 10.8	11.1-29.0 4.9-16.7	
Colon	12	8.3	12.2	5.1-19.4	76	Colon	11	10.8	7.6	4.9-16.7 2.7-12.5	1
Rectum	8	5.6	8.2	2.4-14.0	102	Rectum	4	3.9	3.2	0 - 6.5	2
Prostate	20	13.9	17.6	9.6-25.6	52	Breast	13	12.7	11.1	4.4-17.8	1
Bladder	9	6.3	7.5	2.4-12.6	184	Pancreas	6	5.9	5.0	0.7-9.4	2
Lymphoma	9	6.3	6.7	2.1-11.4	473	Unknown primary	6	5.9	2.9	0.6-5.3	_
Lymphoma NOS	2	1.4	1.3	0 - 3.1	*	Skin (not melanoma)	5	4.9	2.8	0.2-5.5	4
Hodgkin lymphoma	0				-	Oesophagus	4	3.9	3.3	0 - 6.8	2
NHL	7	4.9	5.5	1.2-9.7	473	Melanoma (skin)	4	3.9	3.4	0 - 7.0	2
Leukaemia	9	6.3	10.3	3.3-17.4	102	Kidney	4	3.9	2.6	0 - 5.2	4
Leukaemia NOS	0				-	Ovary	3	2.9	2.9	0 - 6.4	2
Lymphoid leukaemia	4	2.8	5.3	0 - 10.8	248	Lymphoma	3	2.9	2.3	0 - 5.2	4
Myeloid leukaemia	5	3.5	5.0	0.6-9.5	174	Lymphoma NOS	0				
Leukaemia, other	0				-	Hodgkin lymphoma	0				
Brain	7	4.9	7.3	1.8-12.8	103	NHL	3	2.9	2.3	0 - 5.2	4
Myeloma	6	4.2	5.4	0.9-9.8	379	Leukaemia	3	2.9	3.7	0 - 8.5	2
Stomach	5	3.5	3.9	0.4-7.4	200	Leukaemia NOS	0				
Unknown primary	5	3.5	4.4	0.3-8.4	240	Lymphoid leukaemia	1	1.0	2.1	0 - 6.1	7
Oesophagus	4	2.8	3.5	0 - 7.0	217	Myeloid leukaemia	2	2.0	1.7	0 - 4.3	4
Mesothelioma	4	2.8	3.7	0 - 7.4	217	Leukaemia, other	0				
Pancreas	3	2.1	3.2	0 - 6.7	168						
Kidney Myelodysplastic diseases	3 3	2.1 2.1	2.2 3.1	0 - 4.8 0 - 6.7	400 281						
All cancer deaths	144	100.0	134.5	112-157	7	All cancer deaths	102	100.0	86.2	67.7-105	
	144	100.0	134.5	112-157	7	All cancer deaths	102	100.0	86.2	67.7-105	
WA Country - all	144	100.0	134.5	112-157	7	All cancer deaths	102	100.0	86.2	67.7-105	
NA Country - all	144 Deaths	100.0	134.5 ASR	112-157 95%c.i.	7 Risk		102 Deaths	100.0	86.2 ASR	67.7-105 95%c.i.	R
WA Country - all Males											
WA Country - all Males	Deaths	%	ASR	95%c.i.	Risk	Females	Deaths	%	ASR	95%c.i.	R
NA Country - all Males	Deaths 86	% 21.4	ASR 27.4	95%c.i. 21.5-33.4	Risk 30	Females Lung	Deaths 51	% 16.8	ASR 16.4	95%c.i. 11.6-21.1	R
WA Country - all Males Lung Colorectal	Deaths 86 52	% 21.4 13.0	ASR 27.4 16.8	95%c.i. 21.5-33.4 12.1-21.5	Risk 30 57	Females Lung Breast	Deaths 51 46	% 16.8 15.1	ASR 16.4 14.1	95%c.i. 11.6-21.1 9.7-18.4	R 1
NA Country - all Males Lung Colorectal Colon	Deaths 86 52 27	% 21.4 13.0 6.7	ASR 27.4 16.8 8.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0	Risk 30 57 110	Females Lung Breast Colorectal	Deaths 51 46 32	% 16.8 15.1 10.5	ASR 16.4 14.1 8.8	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0	R 1 1
WA Country - all Males Lung Colorectal Colon Rectum	Deaths 86 52 27 25	% 21.4 13.0 6.7 6.2	ASR 27.4 16.8 8.7 8.1	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4	Risk 30 57 110 119	Females Lung Breast Colorectal Colon	Deaths 51 46 32 24	% 16.8 15.1 10.5 7.9	ASR 16.4 14.1 8.8 6.3	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0	1 1 3
WA Country - all Males Lung Colorectal Colon Rectum Prostate	Deaths 86 52 27 25 47	% 21.4 13.0 6.7 6.2 11.7	ASR 27.4 16.8 8.7 8.1 14.3	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4	Risk 30 57 110 119 67	Females Lung Breast Colorectal Colon Rectum	Deaths 51 46 32 24 8	% 16.8 15.1 10.5 7.9 2.6	ASR 16.4 14.1 8.8 6.3 2.5	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3	R 1 1 3
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder	Deaths 86 52 27 25 47 23	% 21.4 13.0 6.7 6.2 11.7 5.7	ASR 27.4 16.8 8.7 8.1 14.3 6.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5	Risk 30 57 110 119 67 182	Females Lung Breast Colorectal Colon Rectum Unknown primary	Deaths 51 46 32 24 8 27	% 16.8 15.1 10.5 7.9 2.6 8.9	ASR 16.4 14.1 8.8 6.3 2.5 7.4	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4	R 1 1 3 1 1 1
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain	Deaths 86 52 27 25 47 23 22	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4	Risk 30 57 110 119 67 182 106	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas	Deaths 51 46 32 24 8 27 19	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0	R 1 1 3 1 1 1
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus	Deaths 86 52 27 25 47 23 22	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5 4.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8	Risk 30 57 110 119 67 182 106 124	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia	Deaths 51 46 32 24 8 27 19 14	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2	1 3 1 1 3
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary	Deaths 86 52 27 25 47 23 22 18	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5 4.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4	Risk 30 57 110 119 67 182 106 124 156	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS	Deaths 51 46 32 24 8 27 19 14 1	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5	1 3 1 1 3
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia	Deaths 86 52 27 25 47 23 22 18 18	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5 4.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4	Risk 30 57 110 119 67 182 106 124 156 173	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia	Deaths 51 46 32 24 8 27 19 14 1 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1	1 3 1 1 3
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS	Deaths 86 52 27 25 47 23 22 18 18	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5 4.5 4.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5	Risk 30 57 110 119 67 182 106 124 156 173	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	Deaths 51 46 32 24 8 27 19 14 1 6 7	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1	1 3 1 1 3 14 5
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia	Deaths 86 52 27 25 47 23 22 18 18 17 0	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5 4.5 4.5 4.2	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5	Risk 30 57 110 119 67 182 106 124 156 173	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	Deaths 51 46 32 24 8 27 19 14 1 6 7 0	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8	1 1 3 1 1 3 1 5
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma	Deaths	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.2 1.5 2.5 0.2 3.7	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0	Risk 30 57 110 119 67 182 106 124 156 173 476 316 1962 402	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2	1 3 1 1 3 14 5
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NOS	Deaths	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.2 1.5 2.5 0.2	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2	Risk 30 57 110 119 67 182 106 124 156 173 - 476 316 1962	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 10	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8	11 33 14 5 22 21
VA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1	Risk 30 57 110 119 67 182 106 124 156 316 316 1962 402 *	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NOS	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 0 0	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2	11 33 14 5 22 21
VA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 2.5 3.7 0.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1	Risk 30 57 110 119 67 182 106 124 156 316 316 402 402 402	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 0 0	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6	11 3 11 3 14 5 2 2 2 1
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Stomach	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.5 3.7 0.5	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 4.6 0.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1	Risk 30 57 110 119 67 182 106 124 156 316 316 402 402 214	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 0 0 10 10	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.4	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6	11 13 11 13 14 5 2 2 2 2 2 2 2 2
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Stomach Melanoma (skin)	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.5 3.2	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 4.6 0.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2	Risk 30 57 110 119 67 182 106 124 156 173 - 476 316 1962 402 402 214 169	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Melanoma (skin)	Deaths 51 46 32 24 8 27 19 14 1 66 7 0 11 10 10 10 0 0 10 9	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.4 2.8	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6	11 11 33 11 11 33 11 12 12 12 12 12 12 12 12 12 12 12 12
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Stomach Melanoma (skin) Pancreas	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.5 3.2 3.0	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9	Risk 30 57 110 119 67 182 106 124 156 173 - 476 316 402 402 214 169 171	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Melanoma (skin) Oesophagus	Deaths 51 46 32 24 8 27 19 14 1 66 7 0 11 10 10 10 9 7	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3 3.0 2.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.4 2.8 2.0	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6	11 13 14 15 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.6 3.0 3.0	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.6 3.7 3.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5	Risk 30 57 110 119 67 182 106 124 156 173 - 476 316 1962 402 214 169 171 323	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Melanoma (skin) Oesophagus Uterus	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 10 9 7 7	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.3 3.3 3.3 3.3 2.0 2.3 2.3	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.4 2.8 2.0 2.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7	1 1 1 3 1 1 1 3 3 1 1 2 2 3 3 2 5 5
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney Myeloma	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.6 3.0 3.0 3.0	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.1 4.6 3.7 3.5 3.7	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5 1.6-5.8	Risk 30 57 110 119 67 182 106 124 156 173 - 476 316 1962 402 214 169 171 323 332	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Melanoma (skin) Oesophagus Uterus Skin (not melanoma)	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 0 0 10 9 7 7 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.3 3.3 3.3 3.3 2.0 2.3 2.3 2.3 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.4 2.8 2.0 2.1 1.2	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7 0.2-2.2	1 1 1 3 1 2 2 2 3 2 2 5 1 1 1
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney Myeloma Mesothelioma	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12 12 8	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.0 3.0 3.0 2.0	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.1 4.6 3.7 3.5 3.7 2.4	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5 1.6-5.8 0.7-4.1	Risk 30 57 110 119 67 182 106 124 156 173 - 476 316 1962 402 214 169 171 323 332 365	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NHL Melanoma (skin) Oesophagus Uterus Skin (not melanoma) Cervix	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 0 0 10 9 7 7 6 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3 3.0 2.3 2.0 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8 3.4 2.8 2.0 2.1 1.2 2.0	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7 0.2-2.2 0.3-3.7	1 1 1 3 3 1 4 5 5 2 2 3 3 4 5 5 1 1 1 4 2 5 5 1 1 1 4 2 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney Myeloma Mesothelioma Larynx	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12 12 12 8 5	% 21.4 13.0 6.7 6.2 11.7 5.7 5.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.5 3.2 3.0 3.0 3.0 1.2	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.1 4.6 3.7 3.5 3.7 2.4 1.4	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5 1.6-5.8 0.7-4.1 0.1-2.7	Risk 30 57 110 119 67 182 106 124 156 173 476 316 1962 402 * * 402 214 169 171 323 332 365 1251	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Melanoma (skin) Oesophagus Uterus Skin (not melanoma) Cervix Kidney	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 0 0 10 9 7 7 6 6 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3 2.0 2.0 2.0 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8 3.4 2.8 2.0 2.1 1.2 2.0 1.8	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7 0.2-2.2 0.3-3.7 0.3-3.2	1 1 1 3 1 4 5 2 2 2 2 3 4 5 1 1 1 2 4 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney Myeloma Mesothelioma Larynx Myelodysplastic diseases	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12 12 12 8 5	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.0 3.0 3.0 3.0 1.2 1.2	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.1 4.6 3.7 3.5 3.7 2.4 1.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5 1.6-5.8 0.7-4.1 0.1-2.7 0.2-2.8	Risk 30 57 110 119 67 182 106 124 156 316 1962 402 * * 402 214 169 171 323 332 365 1251 895	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NHL Melanoma (skin) Oesophagus Uterus Skin (not melanoma) Cervix Kidney Myeloma	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 0 0 10 9 7 7 6 6 6 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3 3.2 2.0 2.0 2.0 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8 3.4 2.8 2.0 2.1 1.2 2.0 1.8 1.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7 0.2-2.2 0.3-3.7 0.3-3.2 0.2-2.0	11 33 11 13 14 5 22 22 33 44 5 5 11 11 44 33
Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney Myeloma Mesothelioma Larynx Myelodysplastic diseases Tongue	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12 12 8 5 5	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.0 3.0 3.0 3.0 1.2 1.2 1.0	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.6 3.7 3.5 3.7 2.4 1.5 1.4	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5 1.6-5.8 0.7-4.1 0.1-2.7 0.2-2.8 0.0-2.7	Risk 30 57 110 119 67 182 106 124 156 316 1962 402 * 402 214 169 171 323 332 365 1251 895 572	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Melanoma (skin) Oesophagus Uterus Skin (not melanoma) Cervix Kidney	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 0 0 10 9 7 7 6 6 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3 2.0 2.0 2.0 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8 3.4 2.8 2.0 2.1 1.2 2.0 1.8	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7 0.2-2.2 0.3-3.7 0.3-3.2	R
WA Country - all Males Lung Colorectal Colon Rectum Prostate Bladder Brain Oesophagus Unknown primary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Melanoma (skin) Pancreas Kidney Myeloma Mesothelioma Larynx Myelodysplastic diseases	Deaths 86 52 27 25 47 23 22 18 18 17 0 6 10 1 15 2 0 13 14 13 12 12 12 12 8 5	% 21.4 13.0 6.7 6.2 11.7 5.5 4.5 4.5 4.5 2.5 0.2 3.7 0.5 3.2 3.0 3.0 3.0 3.0 1.2 1.2	ASR 27.4 16.8 8.7 8.1 14.3 6.7 7.3 6.0 5.7 5.7 2.3 3.0 0.4 4.6 0.5 4.1 4.1 4.6 3.7 3.5 3.7 2.4 1.5	95%c.i. 21.5-33.4 12.1-21.5 5.3-12.0 4.9-11.4 10.1-18.4 3.9-9.5 4.2-10.4 3.2-8.8 3.0-8.4 2.9-8.5 0.4-4.1 1.1-4.9 0 - 1.2 2.1-7.0 0 - 1.1 1.7-6.5 2.0-6.3 2.1-7.2 1.6-5.9 1.5-5.5 1.6-5.8 0.7-4.1 0.1-2.7 0.2-2.8	Risk 30 57 110 119 67 182 106 124 156 316 1962 402 * * 402 214 169 171 323 332 365 1251 895	Females Lung Breast Colorectal Colon Rectum Unknown primary Pancreas Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Ovary Stomach Brain Lymphoma Lymphoma NHL Melanoma (skin) Oesophagus Uterus Skin (not melanoma) Cervix Kidney Myeloma	Deaths 51 46 32 24 8 27 19 14 1 6 7 0 11 10 10 10 9 7 7 6 6 6 6 6 6 6	% 16.8 15.1 10.5 7.9 2.6 8.9 6.3 4.6 0.3 2.0 2.3 3.6 3.3 3.3 3.3 3.2 2.0 2.0 2.0 2.0	ASR 16.4 14.1 8.8 6.3 2.5 7.4 6.1 4.0 0.2 1.6 2.1 3.2 3.4 3.8 3.4 2.8 2.0 2.1 1.2 2.0 1.8 1.1	95%c.i. 11.6-21.1 9.7-18.4 5.6-12.0 3.6-9.0 0.7-4.3 4.4-10.4 3.2-9.0 1.7-6.2 0 - 0.5 0.2-3.1 0.4-3.8 1.2-5.3 1.1-5.7 1.3-6.2 1.2-5.6 0.9-4.7 0.4-3.6 0.4-3.7 0.2-2.2 0.3-3.7 0.3-3.2 0.2-2.0	11 33 11 13 14 5 22 22 33 44 5 5 11 11 44 33

115-140

401 100.0 **127.3**

All cancer deaths

7 All cancer deaths

11

81.0-103

304 100.0 **92.0**

North Metro AHS											
Males					5	Females	5				5
	Deaths	%	ASR	95%c.i.	Risk		Deaths	%	ASR	95%c.i.	Risk
Lung	176	24.1	28.8	24.4-33.3	33	Breast	108	18.4	16.1	12.8-19.4	60
Colorectal	111	15.2	18.8	15.2-22.5	51	Lung	93	15.8	12.7	9.9-15.6	69
Colon	71	9.7	12.0	9.1-14.9	78	Colorectal	86	14.6	10.6	8.1-13.1	92
Rectum	40	5.5	6.9	4.7-9.1	146	Colon	58	9.9	6.9	4.9-8.9	165
Prostate	74	10.1	10.5	8.0-12.9	208	Rectum	28	4.8	3.7	2.2-5.1	207
Lymphoma	36	4.9	5.7	3.7-7.6	222	Pancreas	36	6.1	5.0	3.2-6.7	185
Lymphoma NOS	1	0.1	0.2	0 - 0.7	3377	Unknown primary	34	5.8	4.6	2.9-6.3	166
Hodgkin lymphoma	1	0.1	0.2	0 - 0.7	3377	Ovary	29	4.9	3.9	2.3-5.5	247
NHL	34	4.7	5.2	3.4-7.0	256	Leukaemia	21	3.6	2.7	1.4-4.0	346
Melanoma (skin)	30	4.1	5.4	3.4-7.4	161	Leukaemia NOS	0	4.0	4.0	0040	4005
Unknown primary	29	4.0	5.2	3.3-7.2	181	Lymphoid leukaemia	7	1.2	1.0	0.2-1.8	1005
Oesophagus	28	3.8	4.6	2.9-6.4	198	Myeloid leukaemia	10	1.7	1.5	0.5-2.4	526
Stomach	28	3.8	4.5	2.8-6.2	217	Leukaemia, other	4	0.7	0.3	0.0-0.5	
Pancreas	26	3.6	4.3	2.6-6.0	203	Lymphoma	18	3.1	2.2	1.1-3.4	531
Leukaemia	25	3.4	4.2	2.5-5.9	260	Lymphoma NOS	4	0.7	0.4	0 - 0.8	6449
Leukaemia NOS	2	0.3	0.4	0 - 1.0	3377	Hodgkin lymphoma	0				
Lymphoid leukaemia	8	1.1	1.4	0.4-2.4	781	NHL	14	2.4	1.8	0.8-2.9	578
Myeloid leukaemia	13	1.8	2.1	0.9-3.3	439	Gallbladder / bile ducts	16	2.7	1.9	0.8-2.9	833
Leukaemia, other	2	0.3	0.3	0 - 0.6	*	Brain	15	2.6	2.6	1.1-4.2	416
Mesothelioma	22	3.0	3.6	2.0-5.2	302	Myeloma	14	2.4	1.7	0.7-2.7	520
Brain	21	2.9	4.2	2.3-6.0	200	Kidney	13	2.2	2.1	0.9-3.4	299
Myeloma	20	2.7	3.4	1.9-4.9	285	Uterus	12	2.0	1.2	0.4-1.9	2084
Liver	19	2.6	3.0	1.6-4.5	295	Oesophagus	11	1.9	1.3	0.4-2.2	683
Kidney	14	1.9	2.6	1.2-3.9	317	Stomach	11	1.9	1.8	0.7-3.0	364
Bladder	14	1.9	2.1	1.0-3.2	966	Bladder	11	1.9	1.0	0.4-1.6	6077
Gallbladder / bile ducts	10	1.4	1.8	0.6-2.9	404	Melanoma (skin)	8	1.4	1.4	0.4-2.4	605
Myelodysplastic diseases	9	1.2	1.1	0.4-1.9	1460	Cervix	7	1.2	0.9	0.2-1.7	834
Skin (not melanoma)	8	1.1	1.5	0.4-2.6	540	Myelodysplastic diseases	7	1.2	0.8	0.1-1.4	1257
Tongue	6	0.8	1.3	0.3-2.4	614	Mesothelioma	6	1.0	0.6	0.1-1.1	5641
All cancer deaths	731	100.0	121.6	112-131	9	All cancer deaths	588	100.0	80.3	73.1-87.6	12
South Metro AHS						Females					
South Metro AHS Males	5	0/	400	050/	D: 1	Females	D 11	0/	400	05%	D: 1
Males	Deaths	%	ASR	95%c.i.	Risk		Deaths	%	ASR	95%c.i.	Risk
Males Lung	166	23.6	31.1	26.2-35.9	26	Lung	108	18.3	17.6	14.0-21.1	47
Males Lung Colorectal	166 95	23.6 13.5	31.1 16.3	26.2-35.9 12.9-19.7	26 55	Lung Breast	108 102	18.3 17.3	17.6 17.8	14.0-21.1 14.1-21.6	47 52
Males Lung Colorectal Colon	166 95 61	23.6 13.5 8.7	31.1 16.3 10.0	26.2-35.9 12.9-19.7 7.4-12.6	26 55 122	Lung Breast Colorectal	108 102 66	18.3 17.3 11.2	17.6 17.8 8.7	14.0-21.1 14.1-21.6 6.4-11.1	47 52 114
Males Lung Colorectal Colon Rectum	166 95 61 34	23.6 13.5 8.7 4.8	31.1 16.3 10.0 6.3	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5	26 55 122 101	Lung Breast Colorectal Colon	108 102 66 40	18.3 17.3 11.2 6.8	17.6 17.8 8.7 5.6	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5	47 52 114 163
Males Lung Colorectal Colon Rectum Prostate	166 95 61 34 81	23.6 13.5 8.7 4.8 11.5	31.1 16.3 10.0 6.3 13.2	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2	26 55 122 101 98	Lung Breast Colorectal Colon Rectum	108 102 66 40 26	18.3 17.3 11.2 6.8 4.4	17.6 17.8 8.7 5.6 3.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5	47 52 114 163 376
Males Lung Colorectal Colon Rectum Prostate Unknown primary	166 95 61 34 81 47	23.6 13.5 8.7 4.8 11.5 6.7	31.1 16.3 10.0 6.3 13.2 8.3	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8	26 55 122 101 98 107	Lung Breast Colorectal Colon Rectum Unknown primary	108 102 66 40 26 44	18.3 17.3 11.2 6.8 4.4 7.4	17.6 17.8 8.7 5.6 3.1 5.6	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4	47 52 114 163 376 172
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas	166 95 61 34 81 47 36	23.6 13.5 8.7 4.8 11.5 6.7 5.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5	26 55 122 101 98 107	Lung Breast Colorectal Colon Rectum Unknown primary Ovary	108 102 66 40 26 44 31	18.3 17.3 11.2 6.8 4.4 7.4 5.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4	47 52 114 163 376 172 173
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma	166 95 61 34 81 47 36 28	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2	26 55 122 101 98 107 107	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas	108 102 66 40 26 44 31 28	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7	17.6 17.8 8.7 5.6 3.1 5.6 5.4	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1	47 52 114 163 376 172 173 227
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma	166 95 61 34 81 47 36 28 28	23.6 13.5 8.7 4.8 11.5 6.7 5.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5	26 55 122 101 98 107 107 155 159	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma	108 102 66 40 26 44 31 28 23	18.3 17.3 11.2 6.8 4.4 7.4 5.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4	47 52 114 163 376 172 173
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS	166 95 61 34 81 47 36 28 28	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2	26 55 122 101 98 107 107 155 159	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS	108 102 66 40 26 44 31 28 23	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6	47 52 114 163 376 172 173 227 258
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma	166 95 61 34 81 47 36 28 28	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5	26 55 122 101 98 107 107 155 159	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma	108 102 66 40 26 44 31 28 23 0	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6	47 52 114 163 376 172 173 227 258 - 4801
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NHL	166 95 61 34 81 47 36 28 28 0 0	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5	26 55 122 101 98 107 107 155 159	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	108 102 66 40 26 44 31 28 23 0	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4	47 52 114 163 376 172 173 227 258 - 4801 272
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NHL Stomach	166 95 61 34 81 47 36 28 28 0 0	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5	26 55 122 101 98 107 107 155 159 - 159 193	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NHL Leukaemia	108 102 66 40 26 44 31 28 23 0 1	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4	47 52 114 163 376 172 173 227 258 - 4801 272 310
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain	166 95 61 34 81 47 36 28 28 0 0 28 25 25	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0	26 55 122 101 98 107 107 155 159 - 159 193 152	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS	108 102 66 40 26 44 31 28 23 0 1 22 22	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7 0.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2	47 52 114 163 376 172 173 227 258 - 4801 272 310
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus	166 95 61 34 81 47 36 28 28 0 0 28 25 25	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4	26 55 122 101 98 107 107 155 159 - - - 159 193 152 223	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia	108 102 66 40 26 44 31 28 23 0 1 22 22 1	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7 0.2 1.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3	47 52 114 163 376 172 173 227 258 - 4801 272 310 *
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia	166 95 61 34 81 47 36 28 28 0 0 28 25 25 22	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7	26 55 122 101 98 107 107 155 159 - 159 193 152 223 264	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia	166 95 61 34 81 47 36 28 0 0 28 25 25 22 21	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 5.5 4.6 5.0 3.7 3.9 0.1	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3	26 55 122 101 98 107 107 155 159 - 159 193 152 223 264 *	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.2 1.9 0.5	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 *
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia	166 95 61 34 81 47 36 28 28 0 28 25 25 22 21 1 8	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5	26 55 122 101 98 107 107 155 159 193 152 223 264 *	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.2 1.9 0.5 2.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	166 95 61 34 81 47 36 28 28 0 0 28 25 25 22 21 1 8	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0	26 55 122 101 98 107 107 155 159 - 159 193 152 223 264 * 681 656	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma	108 102 66 40 26 44 31 28 23 0 1 22 22 22 1 7 11 3 17	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.6 0.1 1.2 2.1 0.2 3.4 2.6	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	166 95 61 34 81 47 36 28 28 0 0 28 25 25 22 21 1 8 9	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1 1.3	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3	26 55 122 101 98 107 107 155 159 - 159 193 152 223 264 * 681 656 1254	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9 2.9 2.5	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 2.5	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274
Males Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Bladder	166 95 61 34 81 47 36 28 28 0 0 28 25 25 22 21 1 8 9 3	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1 1.3 0.4 2.8	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 3.6	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3	26 55 122 101 98 107 107 155 159 - 159 193 152 223 264 * 681 656 1254 331	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 17 15	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9 2.9 2.5 2.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 2.5 1.5	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin)	166 95 61 34 81 47 36 28 20 25 25 22 21 1 8 9 3 20 15	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1,1 1.3 0.4 2.8 2.1	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 3.6 2.8	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3	26 55 122 101 98 107 107 155 159 193 152 223 264 * 681 656 1254 331 298	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 15 13	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7 0.2 1.9 0.5 2.9 2.9 2.5 2.2	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 2.5 1.5	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4 0.8-3.0	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409 454
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver	166 95 61 34 81 47 36 28 28 0 0 28 25 25 22 21 1 8 9 3 20 15	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1 1.3 0.4 2.8 2.1 2.0	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 0.6 3.6 2.8 3.1	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7	26 55 122 101 98 107 107 155 159 13 152 223 264 * 681 656 1254 331 298 220	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 17 15 13	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7 0.2 1.9 0.5 2.9 2.5 2.2 2.2 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.5 1.5 1.9	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4 0.8-3.0 0.6-2.8	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 249 274 1409 454 622
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver Skin (not melanoma)	166 95 61 34 81 47 36 28 28 0 0 0 28 25 25 22 21 1 8 9 3 20 15 14	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1 1.3 0.4 2.8 2.1 2.0 1.7	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 3.6 2.8 3.1 2.4	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7 1.0-3.8	26 55 122 101 98 107 155 159 159 193 152 223 264 * 681 656 1254 331 298 220 352	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts Melanoma (skin)	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 17 15 13 13	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9 2.5 2.2 2.2 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.5 1.5 1.7 2.0	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4 0.8-3.0 0.6-2.8 0.8-3.3	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 249 274 1409 454 622 382
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver Skin (not melanoma) Kidney	166 95 61 34 81 47 36 28 28 20 0 0 28 25 25 22 21 1 8 9 3 20 15 14 12	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 3.0 0.1 1.1 1.3 0.4 2.8 2.1 2.0 1.7	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 3.6 2.8 3.1 2.4 2.1	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7 1.0-3.8 0.9-3.4	26 55 122 101 98 107 155 159 159 193 152 223 264 * 681 656 1254 331 298 220 352 420	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts Melanoma (skin) Cervix	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 15 13 13 11 11	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9 2.9 2.5 2.2 2.2 1.9 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.5 1.5 1.7 2.0 2.7	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4 0.8-3.0 0.6-2.8 0.8-3.3 1.1-4.3	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409 454 622 382 379
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver Skin (not melanoma) Kidney Myeloma	166 95 61 34 81 47 36 28 28 25 25 22 21 1 8 9 3 20 15 14 12 12	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 1.1 1.3 0.4 2.8 2.1 2.0 1.7	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 2.8 3.1 2.4 2.1 2.2	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7 1.0-3.8 0.9-3.4 0.9-3.5	26 55 122 101 98 107 155 159 193 152 223 264 * 681 656 1254 331 298 220 352 420 378	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts Melanoma (skin) Cervix Myelodysplastic diseases	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 15 13 13 11 11	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9 2.5 2.2 2.2 1.9 1.9 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 2.5 1.5 1.7 2.0 2.7	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4 0.8-3.3 1.1-4.3 0.4-1.9	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409 454 622 382 379 1317
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver Skin (not melanoma) Kidney Myeloma Myelodysplastic diseases	166 95 61 34 81 47 36 28 28 0 0 0 28 25 25 22 21 1 8 9 3 20 15 14 12 12 12	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 1.1 1.3 0.4 2.8 2.1 2.0 1.7 1.7	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 2.8 3.1 2.4 2.1 2.2	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7 1.0-3.8 0.9-3.4 0.9-3.5 0.5-2.4	26 55 122 101 98 107 155 159 193 152 223 264 * 681 656 1254 331 298 220 378 1761	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts Melanoma (skin) Cervix Myelodysplastic diseases Bladder	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 17 15 13 13 11 11 11	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7 0.2 1.9 0.5 2.9 2.5 2.2 2.2 1.9 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 1.5 1.7 2.0 2.7 1.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 0.6-2.4 0.8-3.0 0.6-2.4 0.8-3.3 1.1-4.3 0.4-1.9 0.3-1.7	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409 454 622 382 379 1317 2616
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver Skin (not melanoma) Kidney Myeloma	166 95 61 34 81 47 36 28 28 25 25 22 21 1 8 9 3 20 15 14 12 12	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 1.1 1.3 0.4 2.8 2.1 2.0 1.7	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 2.8 3.1 2.4 2.1 2.2	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7 1.0-3.8 0.9-3.4 0.9-3.5	26 55 122 101 98 107 155 159 193 152 223 264 * 681 656 1254 331 298 220 352 420 378	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts Melanoma (skin) Cervix Myelodysplastic diseases	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 15 13 13 11 11	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 0.2 1.9 0.5 2.9 2.5 2.2 2.2 1.9 1.9 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 2.5 1.5 1.7 2.0 2.7	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 1.1-3.8 0.6-2.4 0.8-3.3 1.1-4.3 0.4-1.9	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409 454 622 382 379 1317
Lung Colorectal Colon Rectum Prostate Unknown primary Pancreas Mesothelioma Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Stomach Brain Oesophagus Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Bladder Melanoma (skin) Liver Skin (not melanoma) Kidney Myeloma Myelodysplastic diseases	166 95 61 34 81 47 36 28 28 25 25 22 21 1 8 9 3 20 15 14 12 12 12 10 6	23.6 13.5 8.7 4.8 11.5 6.7 5.1 4.0 4.0 3.6 3.6 3.1 1.1 1.3 0.4 2.8 2.1 2.0 1.7 1.7	31.1 16.3 10.0 6.3 13.2 8.3 7.1 5.2 5.5 4.6 5.0 3.7 3.9 0.1 1.5 1.8 0.6 3.6 2.8 3.1 2.4 2.1 2.2 1.5	26.2-35.9 12.9-19.7 7.4-12.6 4.1-8.5 10.2-16.2 5.8-10.8 4.7-9.5 3.2-7.2 3.4-7.5 2.7-6.5 3.0-7.0 2.1-5.4 2.2-5.7 0 - 0.3 0.4-2.5 0.6-3.0 0 - 1.3 2.0-5.3 1.3-4.3 1.5-4.7 1.0-3.8 0.9-3.4 0.9-3.5 0.5-2.4	26 55 122 101 98 107 155 159 193 152 223 264 * 681 656 1254 331 298 220 378 1761	Lung Breast Colorectal Colon Rectum Unknown primary Ovary Pancreas Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Brain Myeloma Kidney Oesophagus Stomach Gallbladder / bile ducts Melanoma (skin) Cervix Myelodysplastic diseases Bladder	108 102 66 40 26 44 31 28 23 0 1 22 22 1 7 11 3 17 17 15 13 13 11 11 11	18.3 17.3 11.2 6.8 4.4 7.4 5.2 4.7 3.9 0.2 3.7 3.7 0.2 1.9 0.5 2.9 2.5 2.2 2.2 1.9 1.9	17.6 17.8 8.7 5.6 3.1 5.6 5.4 4.3 3.2 0.2 3.0 3.6 0.1 1.2 2.1 0.2 3.4 2.6 1.5 1.7 2.0 2.7 1.1	14.0-21.1 14.1-21.6 6.4-11.1 3.6-7.5 1.8-4.5 3.7-7.4 3.3-7.4 2.5-6.1 1.8-4.6 0 - 0.6 1.6-4.4 1.8-5.4 0 - 0.2 0.2-2.3 0.6-3.5 0 - 0.5 1.7-5.1 1.3-4.0 0.6-2.4 0.8-3.0 0.6-2.4 0.8-3.3 1.1-4.3 0.4-1.9 0.3-1.7	47 52 114 163 376 172 173 227 258 - 4801 272 310 * 784 512 * 212 249 274 1409 454 622 382 379 1317 2616

/lales						Females					
	Deaths	%	ASR	95%c.i.	Risk		Deaths	%	ASR	95%c.i.	Ris
Lung	342	23.9	29.9	26.6-33.2	29	Breast	210	17.8	16.8	14.4-19.3	5
Colorectal	206	14.4	17.7	15.2-20.2	53	Lung	201	17.0	15.1	12.8-17.3	5
Colon	132	9.2	11.0	9.1-13.0	95	Colorectal	152	12.9	9.7	8.0-11.4	10
Rectum	74	5.2	6.6	5.1-8.2	119	Colon	98	8.3	6.3	4.9-7.7	16
Prostate	155	10.8	11.8	9.9-13.7	134	Rectum	54	4.6	3.4	2.4-4.4	26
Unknown primary	76	5.3	6.7	5.2-8.3	135	Unknown primary	78	6.6	5.1	3.8-6.3	16
Lymphoma	64	4.5	5.5	4.1-7.0	186	Pancreas	64	5.4	4.7	3.4-5.9	20
Lymphoma NOS	1	0.1	0.1	0 - 0.4	6441	Ovary	60	5.1	4.6	3.3-5.9	20
Hodgkin lymphoma	1	0.1	0.1	0 - 0.4	6441	Leukaemia	43	3.6	3.1	2.0-4.2	32
NHL	62	4.3	5.3	3.9-6.7	197	Leukaemia NOS	1	0.1	0.0	0 - 0.1	
Pancreas Stomach	62 53	4.3 3.7	5.6 4.6	4.2-7.0 3.3-5.8	142 205	Lymphoid leukaemia	14 21	1.2 1.8	1.1 1.7	0.5-1.8 0.9-2.6	8 5
Oesophagus	50 50	3.7	4.0	3.0-5.4	209	Myeloid leukaemia Leukaemia, other	7	0.6	0.3	0.9-2.6	5
Mesothelioma	50	3.5	4.4	3.1-5.7	209	Lymphoma	41	3.5	0.3 2.7	1.8-3.6	3
Brain	46	3.2	4.6	3.2-5.9	173	Lymphoma NOS	4	0.3	0.2	0 - 0.4	
Leukaemia	46	3.2	4.0	2.8-5.3	263	Hodgkin lymphoma	1	0.1	0.1	0 - 0.4	104
Leukaemia NOS	3	0.2	0.3	0 - 0.6	6441	NHL	36	3.1	2.4	1.5-3.3	3
Lymphoid leukaemia	16	1.1	1.4	0.7-2.2	722	Brain	32	2.7	3.0	1.9-4.2	2
Myeloid leukaemia	22	1.5	1.9	1.1-2.8	533	Myeloma	31	2.6	2.2	1.3-3.0	3
Leukaemia, other	5	0.3	0.4	0.0-0.8	2537	Kidney	28	2.4	2.3	1.4-3.2	2
Melanoma (skin)	45	3.1	4.1	2.9-5.4	207	Gallbladder / bile ducts	26 27	2.4	1.8	1.0-2.6	7
Bladder	34	2.4	2.8	1.8-3.8	503	Oesophagus	24	2.3	1.4	0.8-2.0	9
Liver	33	2.4	3.0	2.0-4.1	254	Stomach	24	2.0	1.9	1.1-2.7	4
Myeloma	32	2.2	2.8	1.8-3.8	324	Bladder	21	1.8	1.0	0.5-1.5	36
Kidney	26	1.8	2.4	1.4-3.3	360	Melanoma (skin)	19	1.6	1.7	0.9-2.5	4
Skin (not melanoma)	20	1.4	2.0	1.1-2.8	429	Cervix	18	1.5	1.7	0.9-2.6	5
Myelodysplastic diseases	19	1.3	1.3	0.7-1.9	1617	Uterus	18	1.5	1.0	0.5-2.0	12
Gallbladder / bile ducts	16	1.1	1.5	0.7-1.3	516	Myelodysplastic diseases	18	1.5	0.9	0.4-1.4	12
Calibladaci / blic dacio			1.5	0.7 2.2	310	Liver	11	0.9	0.6	0.2-1.0	30
						2.70.		0.0	0.0	0.2	
All cancer deaths	1433	100.0	125.1	118-132	8	All cancer deaths	1179	100.0	85.8	80.4-91.2	1
All Western Australia		100.0	125.1	118-132	8		1179	100.0	85.8	80.4-91.2	
	a					All cancer deaths Females					
All Western Australia	Deaths	%	ASR	95%c.i.	Risk	Females	Deaths	%	ASR	95%c.i.	Ri
All Western Australia Nales Lung	Deaths	% 23.3	ASR 29.3	95%c.i. 26.5-32.2	Risk 29	Females Breast	Deaths 256	% 17.3	ASR 16.2	95%c.i. 14.1-18.4	R
All Western Australia Males Lung Colorectal	Deaths 428 258	% 23.3 14.1	ASR 29.3 17.6	95%c.i. 26.5-32.2 15.3-19.8	Risk 29 54	Females Breast Lung	Deaths 256 252	% 17.3 17.0	ASR 16.2 15.3	95%c.i. 14.1-18.4 13.3-17.4	
All Western Australia Males Lung Colorectal Colon	Deaths 428 258 159	% 23.3 14.1 8.7	ASR 29.3 17.6 10.6	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3	Risk 29 54 98	Females Breast Lung Colorectal	Deaths 256 252 184	% 17.3 17.0 12.4	ASR 16.2 15.3 9.5	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1	1
All Western Australia Males Lung Colorectal Colon Rectum	Deaths 428 258 159 99	% 23.3 14.1 8.7 5.4	ASR 29.3 17.6 10.6 7.0	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4	Risk 29 54 98 118	Females Breast Lung Colorectal Colon	Deaths 256 252 184 122	% 17.3 17.0 12.4 8.2	ASR 16.2 15.3 9.5 6.3	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5	1
All Western Australia Males Lung Colorectal Colon Rectum Prostate	Deaths 428 258 159 99 202	% 23.3 14.1 8.7 5.4 11.0	ASR 29.3 17.6 10.6 7.0 12.4	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1	Risk 29 54 98 118 110	Females Breast Lung Colorectal Colon Rectum	Deaths 256 252 184 122 62	% 17.3 17.0 12.4 8.2 4.2	ASR 16.2 15.3 9.5 6.3 3.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1	1 1 2
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary	Deaths 428 258 159 99 202 94	% 23.3 14.1 8.7 5.4 11.0 5.1	ASR 29.3 17.6 10.6 7.0 12.4 6.5	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9	Risk 29 54 98 118 110	Females Breast Lung Colorectal Colon Rectum Unknown primary	Deaths 256 252 184 122 62 105	% 17.3 17.0 12.4 8.2 4.2 7.1	ASR 16.2 15.3 9.5 6.3 3.2 5.5	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7	1 1 2 1
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma	Deaths 428 258 159 99 202 94 79	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6	Risk 29 54 98 118 110 139 210	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas	Deaths 256 252 184 122 62 105 83	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1	1 1 2 1
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS	Deaths 428 258 159 99 202 94 79 3	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4	Risk 29 54 98 118 110 139 210 8403	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary	Deaths 256 252 184 122 62 105 83 71	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4	1 1 2 1 1 2
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma	Deaths 428 258 159 99 202 94 79 3	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3	Risk 29 54 98 118 110 139 210 8403 8403	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia	Deaths 256 252 184 122 62 105 83 71 57	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3	1 1 2 1 1
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	Deaths 428 258 159 99 202 94 79 3 1 75	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3	Risk 29 54 98 118 110 139 210 8403 8403 221	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS	Deaths 256 252 184 122 62 105 83 71 57	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1	1 1 2 1 1 2 3
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas	Deaths 428 258 159 99 202 94 79 3 1 75 74	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4	Risk 29 54 98 118 110 139 210 8403 8403 221 149	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia	Deaths 256 252 184 122 62 105 83 71 57 2	% 17.3 17.0 12.4 8.2 7.1 5.6 4.8 3.8 0.1 1.3	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8	1 1 1 1 2 3
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain	Deaths 428 258 159 99 202 94 79 3 1 75 74	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia	Deaths 256 252 184 122 62 105 83 71 57 2 20 28	% 17.3 17.0 12.4 8.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6	1 1 1 1 2 3
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8	Risk 29 54 98 118 110 139 210 8403 821 149 148 181	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other	Deaths 256 252 184 122 62 105 83 71 57 2 20 28	% 17.3 17.0 12.4 8.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 1.8	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4	1 1 1 1 2 3
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6	Risk 29 54 98 118 110 139 210 8403 221 149 148 181 208	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51	% 17.3 17.0 12.4 8.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 1.8 0.2 2.9	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7	11 12 11 12 33 95 55
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.4-5.6 3.3-5.6	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 1.8 0.2 2.9 0.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3	11 11 11 12 33 55 55
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.7 3.7 3.7 3.4 0.2	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 1.8 0.2 2.9 0.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2	1 1 1 1 2 3 3 5 5 153 131
All Western Australia fales Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Desophagus Stomach Leukaemia Leukaemia Leukaemia Leukaemia	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4 0.2 1.2	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 4.6 4.5 4.4 0.2	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403 641	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.9 0.5 3.4 0.3 0.1 3.1	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5	155
All Western Australia fales Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia Leukaemia Myeloid leukaemia	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.0 3.8 3.7 3.4 0.2 1.2	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403 641 462	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Brain	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2	155
All Western Australia fales Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Desophagus Stomach Leukaemia Leukaemia Leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.4 0.2 1.2 1.7 0.3	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 235 8403 641 462 2365	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NHL Brain Myeloma	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 1.8 0.2 2.9 0.2 0.1 2.6 3.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6	153
All Western Australia lales Lung Colorectal Colon Rectum Prostate Jinknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Desophagus Stomach Leukaemia Leukaemia Leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Welanoma (skin)	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4 0.2 1.2 1.7 0.3 3.2	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403 641 462 2365 196	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0	155
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia Leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4 0.2 1.2 1.7 0.3 3.2 3.2	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 8403 641 462 2365 196 229	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2 2.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0	155 133
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4 0.2 1.7 0.3 3.2 3.2 3.1	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 8403 641 462 2365 196 229 362	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 34 31	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.3 2.1	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 2.9 0.1 2.6 3.2 1.9 2.2 2.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1	153
All Western Australia fales Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia Leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4 0.2 1.7 0.3 3.2 3.2 3.1 2.4	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 235 8403 641 462 2365 196 229 362 325	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 34 31	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 3.1 2.8 2.5 2.3 2.1 2.0	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 2.9 0.1 2.6 3.2 1.9 2.2 2.2 1.5	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4	155
All Western Australia fales Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58 57 44 38	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.4 0.2 1.7 0.3 3.2 3.1 2.4 2.1	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 3.6 3.0 2.6	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.3 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403 641 462 2365 196 229 362 325 352	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin)	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 31 30 28	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 2.9 0.2 1.8 0.2 2.9 1.2 1.8 1.2 1.1 1.8 1.2 1.1 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.2	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7	155
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58 58 57 44 38 37	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.4 0.2 1.7 0.3 3.2 3.2 3.1 2.4 2.1 2.0	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 3.6 3.0 2.6 2.6	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5	Risk 29 54 98 118 110 139 210 8403 821 149 148 181 208 235 8403 641 462 2365 196 229 362 325 352 300	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 34 34 31 30 28	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.1 2.0 1.9 1.7	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2 2.2 1.5 1.7	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8	153
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma)	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58 57 44 38 37	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.7 3.4 0.2 1.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0 1.3	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6 2.6 1.8	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.4-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403 641 462 2365 196 229 362 325 352 300 460	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 34 31 30 28 25	% 17.3 17.0 12.4 8.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.1 2.0 1.9 1.7 1.6	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2 2.2 1.5 1.7	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8 1.0-2.5	1553 133
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma) Myelodysplastic diseases	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58 57 44 38 37 24 24	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.4 0.2 1.2 1.7 0.3 3.2 3.2 3.1 2.4 2.1 2.0 1.3 1.3	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6 2.6 1.8	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5 0.8-1.9	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 235 8403 641 462 2365 196 229 362 325 352 300 460 1366	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix Bladder	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 31 30 28 25 24	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9 1.7 1.6 1.6	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2 2.2 1.5 1.7 1.9	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8 1.0-2.5 0.5-1.4	150 133 133 143 143 143 143 143 143 143 143
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma) Myelodysplastic diseases Gallbladder / bile ducts	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58 57 44 38 37 24 24	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.4 0.2 1.2 1.7 0.3 3.2 3.1 2.4 2.1 2.0 1.3 1.3	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 2.6 1.8 1.4	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 3.9-6.4 4.0-6.6 3.5-5.8 3.4-5.6 3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5 0.8-1.9 0.8-2.0	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 181 208 235 8403 641 462 2365 196 229 362 325 352 300 460 1366 533	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix Bladder Myelodysplastic diseases	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 34 31 30 28 25 24 24	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9 1.7 1.6 1.6 1.3	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2 2.2 1.5 1.7 1.9 1.2 1.8 0.9 0.8	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8 1.0-2.5 0.5-1.4 0.4-1.2	R 11 11 22 33 35 153 131 32 44 33 37 66 44 99 55 322 166
All Western Australia Males Lung Colorectal Colon Rectum Prostate Unknown primary Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Pancreas Brain Oesophagus Stomach Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Melanoma (skin) Mesothelioma Bladder Myeloma Kidney Liver Skin (not melanoma) Myelodysplastic diseases	Deaths 428 258 159 99 202 94 79 3 1 75 74 69 68 67 63 3 22 32 6 58 58 57 44 38 37 24 24	% 23.3 14.1 8.7 5.4 11.0 5.1 4.3 0.2 0.1 4.1 4.0 3.8 3.7 3.4 0.2 1.2 1.7 0.3 3.2 3.2 3.1 2.4 2.1 2.0 1.3 1.3	ASR 29.3 17.6 10.6 7.0 12.4 6.5 5.4 0.2 0.1 5.1 5.2 5.3 4.6 4.5 4.4 0.2 1.6 2.2 0.4 4.3 4.0 3.6 3.0 2.6 2.6 1.8	95%c.i. 26.5-32.2 15.3-19.8 8.9-12.3 5.6-8.4 10.6-14.1 5.2-7.9 4.1-6.6 0 - 0.4 0 - 0.3 3.9-6.3 4.0-6.6 3.5-5.8 3.3-5.6 0 - 0.4 0.9-2.4 1.4-2.9 0.1-0.8 3.2-5.4 2.9-5.0 2.7-4.6 2.1-3.9 1.7-3.4 1.8-3.5 1.0-2.5 0.8-1.9	Risk 29 54 98 118 110 139 210 8403 8403 221 149 148 235 8403 641 462 2365 196 229 362 325 352 300 460 1366	Females Breast Lung Colorectal Colon Rectum Unknown primary Pancreas Ovary Leukaemia Leukaemia NOS Lymphoid leukaemia Myeloid leukaemia Leukaemia, other Lymphoma Lymphoma NOS Hodgkin lymphoma NHL Brain Myeloma Stomach Kidney Oesophagus Gallbladder / bile ducts Melanoma (skin) Uterus Cervix Bladder	Deaths 256 252 184 122 62 105 83 71 57 2 20 28 7 51 4 1 46 42 37 34 31 30 28 25 24	% 17.3 17.0 12.4 8.2 4.2 7.1 5.6 4.8 3.8 0.1 1.3 1.9 0.5 3.4 0.3 0.1 3.1 2.8 2.5 2.3 2.3 2.1 2.0 1.9 1.7 1.6 1.6	ASR 16.2 15.3 9.5 6.3 3.2 5.5 4.9 4.3 3.3 0.1 1.2 2.9 0.2 0.1 2.6 3.2 1.9 2.2 2.2 1.5 1.7 1.9	95%c.i. 14.1-18.4 13.3-17.4 8.0-11.1 5.0-7.5 2.4-4.1 4.3-6.7 3.8-6.1 3.2-5.4 2.3-4.3 0 - 0.1 0.6-1.8 1.1-2.6 0.1-0.4 2.0-3.7 0 - 0.3 0 - 0.2 1.8-3.5 2.1-4.2 1.3-2.6 1.4-3.0 0.9-2.1 1.0-2.4 1.2-2.7 0.7-1.8 1.0-2.5 0.5-1.4	R 11 11 22 11 11 22 33 35 55 33 153