AURANGABAD CANCER REGISTRY DIVISION OF THE MUMBAI CANCER REGISTRY

CANCER INCIDENCE IN AURANGABAD CITY AGGLOMERATION 1995-2004



THE INDIAN CANCER SOCIETY

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he Aurangabad Cancer Registry Division of the Mumbai Cancer Registry became operative in January, 1972 as a collaborative effort with Aurangabad Medical College. The staff members of the department of the Radiotherapy at the Medical College were entrusted with day-to-day work relating to the registry.

In this publication "Cancer Incidence in the Aurangabad City Agglomeration data has been thoroughly analyzed by sex, site, age, method of diagnosis, religion, language, education and histology, and is based on all new cancer cases diagnosed in the resident population of Aurangabad City Agglomeration during the 10 year period, 1st January 1995 to 31st December 2004.

The major bulk of the cancer cases registered are abstracted from Aurangabad Medical College and Seth Nandlal Dhoot Hospital. The registry staff is also grateful to the various hospital administrators, there staff members and medical specialist in private practitioners , who have co-operated with us by permitting our social investigators to collect the data on cancer patients in their care.

The Executive Health Officer of the Aurangabad Municipal Corporation deserves special mention and we sincerely thank him for making death records of the city population freely available to us. We also wish to thank the Director of Census Operations of the Maharashtra State, for supplying us with the population break-down according to age, sex, and religion for Aurangabad City Agglomeration. We are indebted to the Din of Aurangabad Medical College, Aurangabad for providing adequate office space for our registry.

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Historical Background

The Mumbai Cancer Registry was established in June 1963 as a unit of the Indian Cancer Society, at Mumbai, with the aim of obtaining reliable morbidity data on cancer, from a precisely defined urban population (Greater Mumbai). The actual compilation of data could however only begin in 1964. Until then, no continuing surveys had ever been undertaken anywhere in India. Initially, up to 1975, the project was initiated in collaboration with and with financial support from the Biometry branch of the National Cancer Institute of the Department of Health in Bethesda, U.S.A.. During 1975-80 the project received grants from the Department of Science and Technology of the Government of India at New Delhi and from the Indian Cancer Society. Since September 1981, the Indian Council of Medical Research, at New Delhi, has initially supported the project.

In order to identify the etiological factors that might be implicated in a segment of a selected population, it is necessary to determine the behavior patterns, habits, customs and environment background, of the group under study. It is also essential, to identify the differences if any, in the site patterns and incidence rates of the disease, amongst various communities living in geographical areas having different patterns of climate and physical environment and dietary habits and social customs, which are known to vary.

With this aim in mind, satellite cancer registries were established in population zones of different sizes, in Maharashtra State, so that the cancer problem throughout the state could be investigated in depth, in the light of the experience gained from the Bombay Metropolitan Registry. Thus the first satellite registry was established in Poona City in 1972, the Second at Aurangabad in 1978 and the third at Nagpur in 1980.



Demographic Characteristics of Aurangabad City.

Aurangabad city is the head quarters of Marathwada, a geographic division of Maharashtra. Marathwada it covers an area of 50.48 sq.kms. having a population of 8,73,331 (2001 Census). Population density in 2001 is 17300 per sq.km. and the area supports a multi religious groups. According to 2001 census 53.19% are Hindus, 29.76% are Muslims 1.03% are Christians. 13.75% are Neo-Buddhists and 1.75% are Jains and 0.32% are Sikhs.

A city receives about 800 mms of rainfall annually. A look at the maximum 42.4°C and minimum 8.4°C temperatures reveals that considerable variations occur in the weather during the year. Aurangabad agglomeration comprises Aurangabad city and cantonment area. Aurangabad city receives the water supply from Jaikwadi dam.

Aurangabad is an important industrial town as well as popular conference center. The fastest growing industrial region in Asia, leaders in industry like Videocon, Siemens and Bajaj have units within it's periphery. The city is convenient base for organizing visits to the world famous Rockfort temples of Ajantha and Elora. Besides, the presence of Buddhist caves in the vicinity shows that the region enjoyed celebrity status as early as the seventh century.

Named after Aurangazeb, last of the six great Moghul, emperors and his son, Azam Shah, who built a Mausoleum here for his father's wife, Rabia Durani. Aurangabad lies almost in the center of Maharashtra.

Sources of Information

The main source of our data collection is Aurangabad Government Medical College and Dhoot Radiotherapy Center. At present Aurangabad city has 2 medical colleges. The city has 12 hospitals and 51 Nursing homes providing 507 seven beds. Besides this private nursing home there are facilities available for diagnosis and treatment of all cancer cases as city has specialists practicing neurology, neurosurgery, medical oncologists, histopathologists and cardio-vascular surgeons in the public as well as private sector institutes.



Population Estimates

Polulation data was estimated from the 1991and 2001 census reports. The estimates as on 1st January 2000 were obtained by assuming a geometric rate of growth for each age group and sex. Population distribution by age and sex for Aurangabad City Agglomeration as on 1st January 2000 is shown in the age pyaramid and given in Table 1. The estimated population of the Aurangabad City Agglomeration as on 1st January 2000 (The mid point of the period, 1995 –2004) is 8.30 Lakhs (4.37 Lakhs Males and 3.93 Lakhs Females).

The Population by religion and sex as on 1st January 2000 is presented in Table 2 This figures have been estimated by using 1991-2001 Census figures assuming geometric growth for each religion and sex.

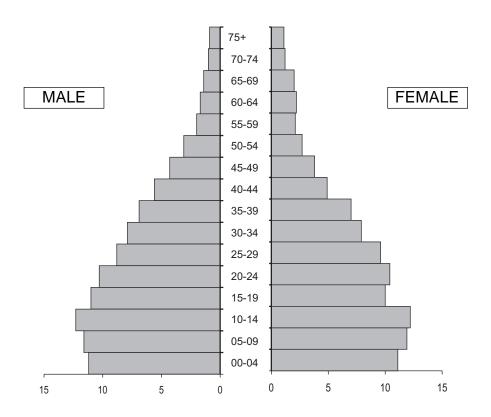


Figure: Percentage Distribution of Estimated Resident Population of Aurangabad City As on 1st January 2000.



Cancer Registration System

Population based cancer registration is a procedure evolved to obtain detailed information on all persons affected by the disease who are resident within a precisely define geographical area, which can be pooled and analyzed at a centralized repository. Such a registry differs in many ways from survey, wherein similar information is obtained only as a spot check, during a select period of time, which can thus reveal only the prevalence of a disease at a given time. The collection of factual information on the other hand is a continuous process in a registry setup, where efforts are made to obtain the necessary information, as soon as possible after diagnosis has been made.

During the period 1995-2004, information was obtained from all cancer patients registered in hospitals, under the care of consultants, physicians, surgeons, gynecologists and radiologist in Aurangabad city and from Aurangabad residents under treatment at the Tata Memorial and other leading hospitals in near by Mumbai City. General medical practitioners are not contacted individually, because according to local practice only medical specialists treat cancer patients in hospitals and nursing homes and even those patients not admitted for hospitals care are at one stage or the other referred to such specialists by the general parishioners.

Working of the Registry

Staff members personally visit the wards of the co-operating hospitals regularly, to interview all confirmed cancer patients and also those who are under cancer registration. The record files maintained by the various departments of these hospitals viz. Pathology, Hematology, Radiology and the various registers in the specialized surgical and medical wards are also examined.

The requisite details obtained for each patients, are cross-checked with the information collected from the various departments of the collaborating hospitals, to ensure completeness of records. Full information on every cancer patient registered at each and every hospitals is thus obtained, irrespective of whether or not the patient is subsequently treated at the particular hospital. Additional information is obtained every time a cancer patient is re-admitted or re-examined at the institution.

As a result of such data collection from different hospitals, one and the same patients is sometimes found to be registered at two or more hospitals. Care is taken, to see that multiple entries for the same patient are not made in our records. On the other hand in some instances complete medical information is obtained by combining the data obtained from two or more hospitals, of one and the same patient.

Only patients residing in Aurangabad City Agglomerations are included in the registry so that the information collected could be related to a known population at risk. Non-residents, whose residence can not be specifically confirmed are also not included in the study.



Cancer Incidence Reporting System

Cancer incidence is defined as the occurrence of new cancer cases in a define population during a specified time period. In this report, the incidence is based on those cancers registered and which were first diagnosed between 1st January 1995 and 31st December 2004 from residents of Aurangabad City Agglomeration.

All malignant tumours including those where the pathologist may have merely suspected a malignant change are registered. Cases under code 'O' (benign) or '1' (uncertain whether benign or malignant borderline malignancy) or '2' (Carcinoma in situ) are not included in our files. Patients in whom cancer has been ruled out or has not yet been diagnosed are also omitted from our register.

We utilize the coding system devised by the World Health Organization using code numbers C00-C96 as published in the Manual of the International Classification of Diseases, Injuries and Causes of Death -10 the Revision (WHO-1992)

For histology coding the World Health Organization's in 2000 edition of International Classification of Diseases for Oncology (ICD-O3) giving histogenic and malignancy codes is followed, in conjunction with the primary site codes suggested by the World Health Organization.

Results

During the period under review (1995-2004), 3574 new cancer cases were registered among the residents of Aurangabad City Agglomeration, which given an average of 357 new cases per annum. Of these 3574 new cases, 1805 were males and 1769 were females indicating a M/F sex ratio of 1.02:1.0 where as the M/F sex ratio in general population viz 1.11:1.0. The number of cases by major sites, sex and year are given Table 3 & 4 for males and females respectively.

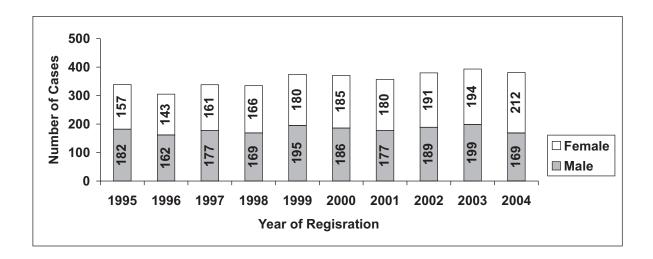


Figure1: Number of Incident Cases of Cancer By Sex and Year of Registration



Site

The number of new cases by site group and sex for period 1995-2004 are given in Table A. In males Buccal cavity & Pharynx is found to be the most commonest cancer site group followed by Digestive organs and Respiratory organs. In females, genital organs and breast contributes more than 50% of total female cancer cases.

Table A: Number of New Cancer Cases by Site group and Sex with Percentage Distribution, Aurangabad, 1995-2004.

	Male Female		nale Total		al	
Site Group	N	%	N	%	N	%
Buccal cavity & Pharynx	431	23.9	152	8.6	583	16.3
Digestive Organs	384	21.3	198	11.2	582	16.3
Respiratory Organs	284	15.7	76	4.3	360	10.1
Bone, C. Tissue, Skin & Breast	138	7.6	497	28.1	635	17.8
Genital Organs	80	4.4	541	30.6	621	17.4
Urinary Organs	48	2.7	21	1.2	69	1.9
Eye,Brain,Thyroid & Secondaries	221	12.2	155	8.8	376	10.5
Lymphomas & Leukemias	219	12.1	129	7.3	348	9.7
Total	1805	100.0	1769	100.0	3574	100.0

Age

The number of new cancer cases by site and age are presented in Tables 5 & 6 for the period 1995-2004, for males and females respectively. Percentage Distribution of the Residence Population as on 1st January 2000 and Average Percentage distribution of New Cancer Cases for the period 1995-2004 By Age and Sex is presented in Table B.

Table B: Percentage Distribution of the Residence Population as on 1st January 2000 and Average Percentage distribution of New Cancer Cases for the period 1995-2004 By Age and Sex.

Age Group	I	Population		New Cancer Cases		
	Male	Female	Total	Male	Female	Total
00-14	35.1	35.2	35.2	5.1	3.3	4.2
15-34	38.0	37.9	37.9	10.6	12.3	11.5
35-64	23.6	22.6	23.2	56.1	65.0	60.5
65+	3.3	4.3	3.8	28.2	19.4	23.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

The Table B clearly indicates that cancer occurs mostly at older ages as only 4.2% of the total number of cancer cases registered, were under 15 yrs of age, although this age group account 35.2% of the total population. The association of cancer with the aging process is clearly shown by the fact that 23.8% of the cases are diagnosed at age 65 and above, an age group which comprises only 3.8% of the population .(Table B & Figure 2)

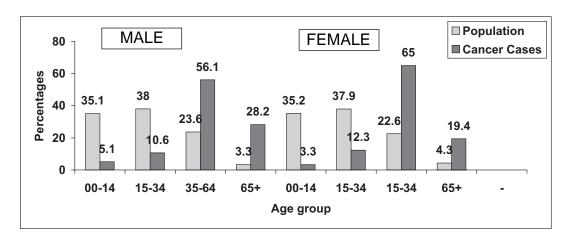


Figure 2: Percentage Distribution of Resident Population and Cancer Cases, 1995-2004.

Crude, Age Specific, Age Adjusted and Truncated incidence rates by sites are given in Table 7 & 8 for males and females respectively. By relating the new cancer cases to the estimated population of Aurangabad City Agglomeration as on 1st January 2000, we find that a crude cancer incidence rate of 43.0 per 100,000 population, for the period 1995-2004. The crude cancer incidence rate for females (45.0) was thus found to be higher than that of for males (41.3).

Age Specific incidence rate per 100,000 Population for all cancer sites for the period 1995-2004 are presented in Table C, and Figure 3.

Table C: Age Specific Incidence Rates Per 100,000 for All Cancer Sites, by Sex,1995-2004.

Age-Group	Male	Female
00-04	6.3	3.7
05-09	7.9	4.5
10-14	3.9	4.6
15-19	8.5	5.6
20-24	7.5	11.3
25-29	10.7	14.1
30-34	22.0	31.4
35-39	29.1	59.9
40-44	60.7	95.9
45-49	88.2	140.8
50-54	164.5	218.7
55-59	180.4	169.8
60-64	308.4	197.3
65-69	361.3	208.4
70-74	371.6	185.7
75+	312.2	199.4
Total	41.3	45.0



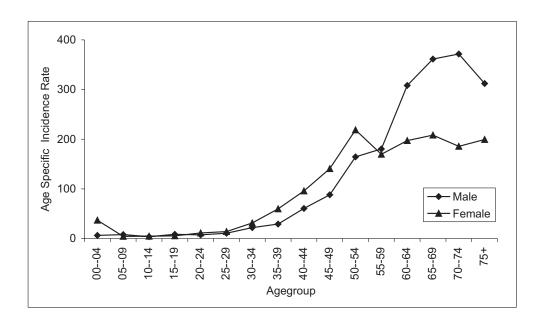


Figure 3: Age Specific Incidence Rates per 100,000 Population for all Cancer Sites, 1995-2004.

Since the incidence of cancer is known to increase with age, comparison of the rates between different populations should take into consideration by age composition of each group. The commonly accepted method of minimizing the difference in age distribution of the incidence rates is to base the rates to be compared on a common age distribution. Cancer incidence rates adjusted to the age distribution of the population of the World taken as a whole indicates that the incidence of cancers in men at 68.2 is somewhat higher than in woman at 63.2.

The most common sites of cancers in males and females are shown in Table D and Figure 4. The most common sites of cancer in male were Oesophagus. Cancer of the lung and Hypopharynx occupied second and third ranks.

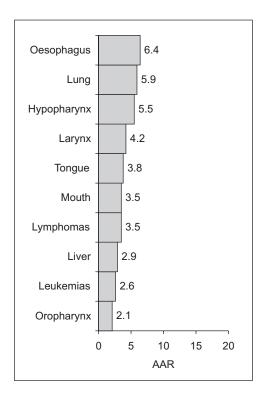
Cancer of the genital organs were found to be predominate in females, the Breast being leading site with the Uterine-Cervix coming second in rank. The Oesophagus was the third leading site in women. Malignant lesions of the digestive system also accounted for a substantial number of cases in women.



Table D: Annual Age-Adjusted Incidence Rates by Sex per 100,000 Population at Ten Leading Sites and at all Sites, 1994-2005, Aurangabad.

	Male			Female	
No	Site	AAR	No	Site	AAR
1	Oesophagus	6.4	1	Breast	15.8
2	Lung	5.9	2	Cervix	14.5
3	Hypopharynx	5.5	3	Oesophagus	4.0
4	Larynx	4.2	4	Ovary	3.0
5	Tongue	3.8	5	Leukemias	2.3
6	Mouth	3.5	6	Mouth	1.9
7	Lymphomas	3.5	7	Lymphomas	1.4
8	Liver	2.9	8	Corpus Uteri	1.4
9	Leukemias	2.6	9	Liver	1.2
10	Oropharynx	2.1	10	Lung	1.2
	AAR At all Sites	68.4		AAR at all Sites	63.1

Age reporting was found to be more reliable in the age group 35 to 65. The truncated incidence rates between the ages 35 to 64 adjusted to the age distribution of the World Population, are presented in Table E, where Ten leading cancer sites ranked as per truncated rates for males and females during 1995-2004, are given in Figure 5.



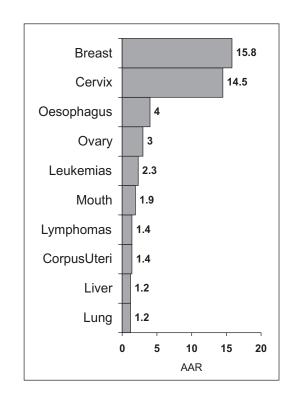
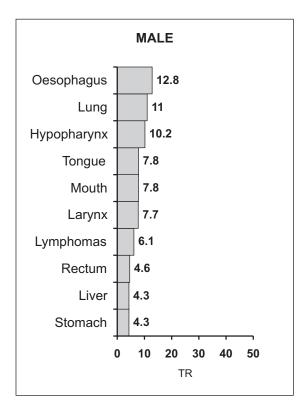


Figure 4: Age Adjusted Incidence Rates per 100,000 Population At Ten Leading Sites, 1995-2004, Aurangabad



Table E: The Leading Cancer Sites by Truncated Incidence Rates by Sex, Site, 1995-2004, Aurangabad.

	Male			Female	
No	Site	TCR	No	Site	TCR
1	Oesophagus	12.8	1	Breast	39.2
2	Lung	11.0	2	Cervix	36.1
3	Hypopharynx	10.2	3	Oesophagus	7.8
4	Tongue	7.8	4	Ovary	6.3
5	Mouth	7.8	5	Mouth	4.5
6	Larynx	7.7	6	Leukemias	3.5
7	Lymphomas	6.1	7	Corpus Uteri	3.2
8	Rectum	4.6	8	Lymphoma	2.9
9	Liver	4.3	9	Tongue	2.9
10	Stomach	4.3	10	Liver	2.6
	TCR at all Sites	124.0		TCR at all Sites	140.0



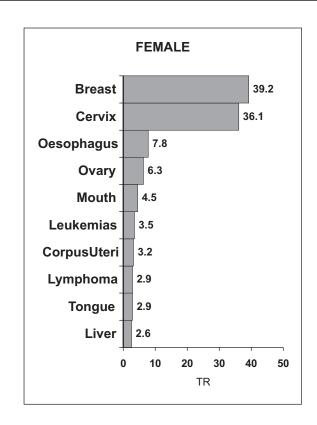


Figure 5: Truncated Incidence Rates per 100,000 Population At Ten Leading Sites, 1995-2004, Aurangabad

The highest incidence by primary site in males and females age wise are presented in Table F. In children (Age < 15), both in boys and girls, leukemias were found to be most predominant. In the young adult male population, leukemias, brain and lymphomas were more predominant. The Oesophagus was the leading site in the men in the age group 50-69 and above the age of 70 years Lung cancer was found to be with highest incidence. Surprisingly, in males mouth cancer was found to be the most predominated cancer in the age



group 35-39. In females in the age group 25-29 years cancer of the cervix was found to be with the highest incidence, and above the age of 30 years cancer of the breast presented with the highest incidence.

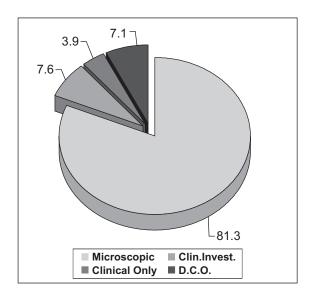
Table F: The Highest Incidence Rate by Age and Sex per 100,000 population, 1995-2004, Aurangabad.

	Male		Fema	le
Age group	Site	Rate	Site	Rate
00-04	Leukemia	2.0	Leukemia	0.7
05-09	Leukemia	2.2	Leukemia	1.1
10-14	Leukemia	1.5	Leukemia	0.8
15-19	Leukemia	2.0	Thyroid	1.0
20-24	Leukemia	1.6	Leukemia	1.5
25-29	Brain	1.6	Cervix	2.1
30-34	Lymphoma	3.2	Breast	8.4
35-39	Mouth	3.6	Breast	18.1
40-44	Lung	5.3	Breast	33.4
45-49	Larynx	8.5	Breast	47.8
50-54	Oesophagus	19.9	Cervix	59.6
55-59	Oesophagus	23.1	Breast	41.5
60-64	Oesophagus	30.8	Breast	48.4
65-69	Oesophagus	36.9	Breast	51.2
70-74	Lung	41.3	Breast	34.2
75+	Oesophagus	33.3	Breast	35.8
All Ages	Lung	3.4	Breast	10.9

Method of Diagnosis

An evaluation of the reliability of cancer data is usually measured by the percentage of patients having microscopic proof of diagnosis as compared with other methods, which are considered less accurate. Incidence cases of cancer by site, sex and method of diagnosis are presented in Tables 9 & 10 for males and females separately. The percentage of new cancer cases diagnosed by method of diagnosis and sex is presented in Table G. During the period of 1995-2004, 84% of the new cases recorded had microscopic confirmation of cancer. The percentage of patients diagnosed on the basis of clinical investigation was of 6.8% (Figure 6)





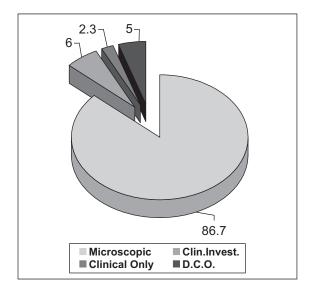


Figure 6: Percentage Distribution of the Incident cases of Cancer by Method of Diagnosis, 1995-2004.

Table G: The Percentage of New Cancer cases by Method of Diagnosis, 1995-2004, Aurangabad.

Method Of Diagnosis	N	Male		Female		Total	
	N	%	N	%	N	%	
Microscopic	1467	81.3	1534	86.7	3001	84.0	
Clinical Investigation	138	7.6	106	6.0	244	6.8	
Clinical Only	71	3.9	41	2.3	112	3.1	
DCO	129	7.1	88	5.0	217	6.1	
Total	1805	100.0	1769	100.0	3574	100	

Religion

Considerable variation was noted in the incidence of cancer at various sites in both the sexes, in patients having their domicile in other countries and in those professing different faiths within a particular population, due to a variety of causes manly endocrine, dietary or environmental. Such variations call for adequate investigations, to elucidate the complex etiology of the disease.

To study the differences in cancer incidence by religion the crude rates by religion and sex are presented in Table H and figure 6. From this it is evident that different religious groups in Aurangabad City exhibit considerable variation in the total incidence of cancer in each sex.



Table H: Number of cases and Crude Incidence Rates by Religion and Sex, Aurangabad, 1995-2004.

Religion	Ma	ale	Fema	ale	Total			
	Cases Cr		Cases	Cr	Cases	Cr		
Hindu	1346	57.3	1329	64.2	2675	60.5		
Muslims	408	31.7	361	30.8	769	31.1		
Others	51	7.4	79	17.6	130	9.3		
Total	1805	41.2	1769	47.3	3574	43.1		

The different religious groups are distinguished from each other by their habits, customs, and socio-economic status. Thus, even though living in the same environment, they present striking differences from each other in the relative frequency with which cancer occurs at various sites. An appraisal of this situation was thus considered promising, in order to study the differences in site patterns of incidence. In order to define the magnitude and nature of the differences observed, the number of cancer cases and the percentage distribution of new cases in each religious group by site, is presented in Table 11 & 12 for males and females respectively.

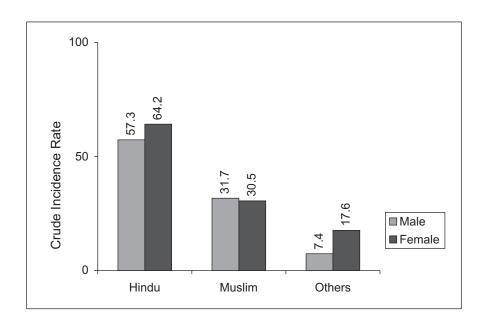


Figure 7: Crude Incidence Rates By Religion, 1995-2004.

The site incidence patterns exhibit considerable differences in the various religious groups. The most common cancer sites in Hindus and Muslims by sex are presented in Table I.



Table I: Five Most Common Sites of Cancer in different Religious Groups by Sex, Aurangabad, 1995-2004.

Religion		Male			Female	
	No	Site	CR	No	Site	CR
Hindu	1	Oesophagus	5.3	1	Cervix	15.8
	2	Hypopharynx	4.2	2	Breast	15.7
	3	Mouth	3.5	3	Oesophagus	3.4
	4	Tongue	3.2	4	Ovary	3.1
	5	Larynx	3.2	5	Leukemia	2.5
Muslims	1	Lung	3.8	1	Breast	7.4
	2	Leukemia	2.1	2	Cervix	3.9
	3	Larynx	2.1	3	Leukemia	1.9
	4	Liver	1.9	4	Mouth	1.7
	5	Oesphagus	1.9	5	Ovary	1.4

Among males, the Oesophagus in Hindus, and the Lung in Muslims are leading sites of cancers. Among females, cervix is the leading sited in Hindus while in Muslims Breast in the most common predominant site.

Mother Tongue

Vast differences have been known to exist in the habits and customs of different section of the large and complex Hindu community in India. One of the ways of identifying the different groups is on the basis of the written and spoken language. Indian states have been organized primarily on linguistic basis and the mother tongue provides an important source of information, to study the variations found in the relative frequency of cancer.

Incidence cases of cancer by language and site with percentages are presented in 13 & 14 for males and females respectively.

The site incidence patterns exhibit considerable differences in the various linguistic sections. The five most common sites in each linguistic groups by sex, are presented in Table J.



Table J: Five Most Common Sites of Cancer in different Linguistic Groups by Sex, Aurangabad, 1994-2005.

Language		Male			Female	
	NO	Site	%	NO	Site	%
Marathi	1	Oesophagus	9.4	1	Cervix	25.4
	2	Hypopharynx	7.7	2	Breast	24.3
	3	Lung	7.4	3	Oesophagus	5.4
	4	Mouth	6.2	4	Ovary	4.7
	5	Leukemia	5.0	5	Leukemia	4.0
Urdu	1	Lung	12.1	1	Breast	24.4
	2	Larynx	6.7	2	Cervix	12.3
	3	Leukemia	6.5	3	Leukemia	6.4
	4	Hypopharynx	6.2	4	Mouth	5.6
	5	Oesophagus	5.9	5	Ovary	4.2
Hindi	1	Lymphoma	17.2	1	Cervix	33.3
	2	Leukemia	8.6	2	Breast	22.2
	3	Oesophagus	6.9	3	Oesophagus	8.3
	4	Mouth	6.9	4	Brain	5.6
	5	Hypopharynx	5.2	5	Corpus Uteri	5.6

From the Table J, it has been observed that in males, the Oesophagus in Marathi speaking, the Lung in Urdu speaking, and the Lymphoma in Hindi speaking ranks first site. Where as in females Cervix ranks first in Marathi and Hindi speaking while Breast ranks first in Urdu speaking females.

Marital Status

An increasing incidence and mortality of cancer relevant to the marital status have been reported in several articles during the past 30 years. In particular, attention has been focused on the relation of marital status to the morbidity and mortality of cancers of the female breast and reproductive organs. Marital Status is one of the major variables included in many epidemiological studies relating to such cancers.

The number and the percentage distribution of cancer cases by marital status and site is presented in Table 15 & 16 for Males and Females respectively.

Education

In the preceding pages, consideration has been given to examine the variation in cancer incidence that can be attributed to religion, the mother tongue and the marital status. These demographic variables are not very sensitive for determining the variations attributable to socioeconomic status. In the Indian situation, evaluation of the socioeconomic status is a very complex matter and there is no simple way of classifying the different groups that exist in the region under study. Innumerable castes and tribes make it s futile exercise to provide any meaningful grouping Family income is a useful criteria, but in a hospital setting where the fees chargeable are often assessed on this information, it is not possible to obtain reliable data. Under these circumstances, the level of formal education provides a more appropriate measure of the socio-economic status.



We have tried to obtain information on the educational level of each cancer patient. Unfortunately, for a large number of patients we could not obtain this information from the hospital records. Only when we were able to interview the patients individually, was it possible to obtain this data.

Incidence cases of cancer by education and site with percentages are given in Table 17 & 18 for males and females respectively.

In general we can conclude from the Table K that Lung, Pharyngeal, Tongue and Laryngeal Cancers which are known to be associated with tobacco-chewing and Cigarettes and bidi smoking habits are more prevalent in the lower socio-economic group.

Table K: Percentage Distribution of Cancer Cases for Selected Sites by Educational Level.

Auranagabad, Males, 1995-2004.

Site	Illiterate	Primary	Mid +Sec	Coll.& Above
Tongue	6.5	5.0	5.1	0.0
Mouth	7.3	4.5	8.3	1.8
Oropharynx	4.0	2.8	3.3	0.0
Hypopharynx	8.5	6.8	6.7	1.8
Larynx	6.2	5.3	6.3	7.0
Lung	7.3	9.9	7.4	3.5
Oesophagus	9.3	8.9	8.6	7.0
Stomach	3.3	2.3	2.1	1.8

In females, besides the breast and uterine cervix, cancer of the buccal cavity and pharynx are the most commonly affected sites. These three sites group are examined in detail in relation to education levels in Table L and Figure 7.

Table L: Percentage Distribution of Cancer Cases for Selected Sites by Educational Level,
Aurangabad, Female, 1995-2004.

Site	Illiterate	Primary	Mid + Sec	Coll. & Above
Mouth	4.6	1.7	0.5	0.0
Breast	23.7	24.8	28.4	53.8
Cervix	28.8	16.0	13.7	15.4

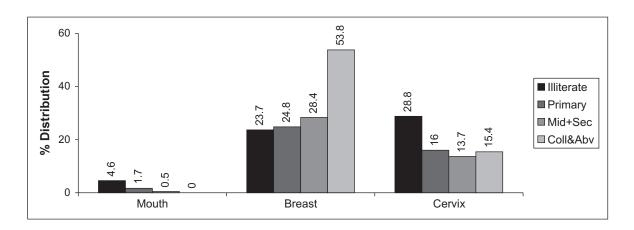


Figure 8: Percentage Distribution of Cancer Cases for Mouth, Breast, Cervix by Educational Level, Female, Aurangabad, 1995-2004.

Histology

During the period 1995-2004, 3001 cancer cases were confirmed microscopically. The proportion of histopathologically proved cases was found to be 84%. The proportion of histopathologically confirmed cases was a little higher for females (86.7%) as compared to that for male (81.2%). The various histological varieties observed for all sites together during 1995-2004 by sex with percentage distribution is presented in Table 19.



Tobacco Related Cancers

Sites of cancers that have been associated with the use of tobacco include lip, tongue, oral cavity, pharynx, oesophagus, larynx, lung and urinary bladder. The proportions of these sites of cancer to all sites in males and females are given in Table M. In males this proportions is 46.4% while in females it is 16.3%. Lung, Oesophagus and oral cavity are major contributors of tobacco related cancers.

Table M: Number (N) & Proportion (%) of specific sites of cancer related to use of Tobacco relative to all sites of cancers

Site	Ма	le	Fem	ale
	N	%	N	%
Lip	4	0.2	5	0.3
Tongue	97	5.4	40	2.3
Oral Cavity	111	6.1	58	3.3
Oropharynx	54	3.0	7	0.4
Hypopharynx	130	7.2	29	1.6
Pharynx	11	0.6	7	0.4
Oesophagus	153	8.5	87	4.9
Larynx	103	5.7	5	0.3
Lung	148	8.2	40	2.3
Urinary Bladder	26	1.4	10	0.6
T.R.C.	837	46.4	288	16.3
All Types	1805	100	1769	100



Childhood Cancers.

Cancers in childhood constitutes one of the most important groups of tumours, not only because of the age occurrence implying different set of etiological factors from those commonly seen in adult cancers, but also because in the past 2-3 decades, with advances particularly in chemotherapy, many of the childhood cancers have gained markabley high potency for care.

The proportions of childhood cancers relative to all sites of cancers is % in males % in females. The number and relative proportion of broad types of childhood cancers are given in Table N. Leukemias and lymphomas, constitutes the vast majority of Childhood cancers.

Table N: Number (N) & Proportion (%) of specific types of cancer in Childhood

Site	М	ale	Fe	male
	N	%	N	%
Leukemia	29	31.5	15	25.4
Lymphoma	20	21.7	5	8.5
C.N.S.Tumours	7	7.6	8	13.6
Retinoblastomas	8	8.7	5	8.5
Renal Tumours	4	4.4	6	10.2
Hepatic Tumours	5	5.5	1	-
Bone Tumours	5	5.5	8	13.6
Soft Tissue Sarcomas	2	2.2	1	1.7
Other Carcinomas	12	13.0	11	18.6
All Types	92	100.0	59	100.0





Table 1: Estimated Resident Population by Age and Sex as on 1st January 2000, Aurangabad, Total Population (All Religious Communities)

Agegroup	Male	е	Fem	ale	Tota	I
	Number	%	Number	%	Number	%
00-04	48991	11.2	43772	11.1	92763	11.2
05-09	50655	11.6	46993	11.9	97648	11.8
10-14	53685	12.3	47965	12.2	101650	12.2
15-19	48195	11.0	39183	10.0	87378	10.5
20-24	45141	10.3	40784	10.4	85925	10.3
25-29	38343	8.8	37675	9.6	76018	9.2
30-34	34613	7.9	30928	7.9	65541	7.9
35-39	30271	6.9	27567	7.0	57838	7.0
40-44	24548	5.6	19182	4.9	43730	5.3
45-49	18820	4.3	14843	3.8	33663	4.1
50-54	13556	3.1	10563	2.7	24119	2.9
55-59	8649	2.0	8186	2.1	16835	2.0
60-64	7459	1.7	8465	2.2	15924	1.9
65-69	6228	1.4	8014	2.0	14242	1.7
70-74	4359	1.0	4685	1.2	9044	1.1
75+	3908	0.9	4464	1.1	8372	1.0
Total	437418	100.0	393263	100.0	830681	100.0

Table 2: Estimated Resident Population by Religion and Sex, Aurangabad (As on 1st January 2000)

Religion	Mal	е	Fema	ıle	Total			
	N	N %		%	N	%		
Hindu	234956	28.3	206882	24.9	441838	53.2		
Muslim	128687	28687 15.5		14.3	247234	29.8		
Christian	4514	0.5	4496	0.5	9010	1.1		
Others	69289	8.3	63337	7.6	132626	16.0		
Total	437446	52.7	393262	47.3	830708	100.0		



Table 3: Number of Incident Cases of Cancer by Site group and Year of Registration, with percentages, Aurangabad, Male 1995-2004.

ICD10	DESCRIPTION	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
C00-C14	Lip, Oral Cavity & Pharynx	34	33	33	49	47	41	54	45	47	48	431
C15-C26	Digestive Organs	43	30	43	24	45	51	42	40	38	28	384
C30-C39	Respiratory System	22	19	37	30	29	26	26	32	35	28	284
C40,C41,C49	Bone & Connective Tissue	4	5	6	7	7	7	7	7	8	4	62
C44	Skin	9	6	8	10	6	4	1	2	10	7	63
C50	Breast	1	0	1	1	2	2	3	1	1	1	13
C60-C63	Male Genital Organs	6	5	11	9	10	7	10	7	6	9	80
C64-C68	Urinary Organs	4	4	2	3	8	7	4	6	6	4	48
C69-C72	Eye & Nervous System	12	9	7	1	6	4	6	9	12	5	71
C73-C75	Thyroid and Other Endogland	0	2	2	5	0	1	2	2	1	0	15
C76-C80	Illdefined, Lymphnodes, Sec	32	19	7	13	13	5	8	9	12	17	135
C81-C90	Lymphatic System	7	13	12	8	15	15	10	19	12	10	121
C91-C96	Leukemias	8	17	8	9	7	16	4	10	11	8	98
Total	All Sites	182	162	177	169	195	186	177	189	199	169	1805

Table 4: Number of Incident Cases of Cancer by Site group and Year of Registration, with percentages, Aurangabad, Female 1995-2004.

ICD10	DESCRIPTION	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
C00-C14	Lip,Oral Cavity, Pharynx	16	13	19	12	12	11	20	17	17	15	152
C15-C26	Digestive Organs	13	14	23	21	26	19	21	14	27	20	198
C30-39	Respiratory Systems	7	1	8	7	6	5	16	3	12	11	76
C40,C41,C49	Bone & Connective Tissue	2	2	1	7	6	6	8	4	4	5	45
C44	Skin	2	2	2	2	4	2	3	2	3	1	23
C50	Breast	29	34	25	42	38	57	48	54	48	54	429
C51-C58	Female Genital Organs	50	38	60	43	58	54	45	68	47	78	541
C64-C68	Urinary Organs	4	2	2	2	2	1	3	1	2	2	21
C69-C72	Eye & Nervous System	3	7	1	7	5	6	2	4	11	0	46
C73-C75	Thyroid & Other Endogland	2	2	5	4	3	2	2	3	0	2	25
C76-C80	Illdefined, Lymphnodes,Sec	21	18	7	5	6	8	3	7	5	4	84
C81-C90	Lymphatic System	4	3	6	4	5	7	2	6	6	8	51
C91-C96	Leukemias	4	7	2	10	9	7	7	8	12	12	78
Total	All Sites	157	143	161	166	180	185	180	191	194	212	1769



Table 5: Number of Incident Cases of Cancer by Site (ICD-10) and Age with Percentages, Aurangabad, 1995-2004, Male.

ICD10	Site	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	Total	%
C00	Lip	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	4	0.2
C01-02	Tongue	0	0	0	0	2	0	5	8	10	9	12	6	19	13	7	6	97	5.4
C03	Gum	0	0	0	0	0	0	0	0	3	3	0	1	4	2	2	2	17	0.9
C04-06	Other Mouth	0	0	0	0	0	1	2	11	17	10	12	8	12	10	7	4	94	5.2
C07-08	Salivary gland	0	0	0	0	1	1	3	0	1	1	2	1	0	1	1	1	13	0.7
C09-10	Oropharynx	0	0	0	0	1	0	3	1	7	6	8	1	7	11	7	2	54	3.0
C11	Nasopharynx	0	1	1	2	0	0	0	1	0	0	0	0	1	2	2	1	11	0.6
C12-13	Hypopharynx	0	0	0	0	1	2	2	2	8	12	23	11	22	22	12	13	130	7.2
C14	Other Oral	0	0	0	0	0	0	0	0	2	1	1	3	1	1	2	0	11	0.6
C15	Oesophagus	0	0	0	0	0	2	1	8	12	11	27	20	23	23	13	13	153	8.5
C16	Stomach	0	0	0	0	0	0	0	1	5	6	6	5	10	3	6	2	44	2.4
C17	Small Intenstine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.1
C18	Colon	0	0	0	0	1	1	0	2	5	7	6	3	8	3	3	2	41	2.3
C19-21	Rectum	0	0	0	0	0	0	3	3	5	7	8	12	3	7	2	1	51	2.8
C22	Liver	1	3	1	0	1	2	6	3	0	5	8	5	11	14	8	6	74	4.1
C23-24	Gall bladder,bile	0	ა 1	0	0	0	0	0	0	0	1	0	0	2	2	0	1	74	0.4
C25-24	Pancreas	0	0	0	0	0	0	0	0	0	1	4	1	2	0	1	0	9	0.4
C30-31	Nose, Sinuses	0	0	0	0	0	0	0	0	1	1	2	1	3	3	0	0	11	0.6
C32	Larynx	0	0	0	0	1	0	2	2	9	16	13	12	11	19	10	8	103	5.7
C32-34		1	1	0	1	3	6	4	4	13	12	16	20	21	16	18	12	148	8.2
C33-34	Lung Med.Plura	0	1	0	1	0		1	0	0	3	4	1		2	3	0	22	1.2
C40-41	Bone	0	2	3	11	3	0 5	3	2	4	5 5	5	2	6 0	1	0	1	47	2.6
C40-41	Skin Melanoma	0	0	0	0	0	0	0	0	1	1	3	0	1	1	0	0	7	0.4
C43	Skin Other	0	1	0	0	0	1	2	2	3	5	3 7	4		7	13	7	56	3.1
C44	Mesothelioma	1	0	0	0	0	0	0	0	ა 0	0	0	0	4	0	0	0	1	0.1
C43		0			1	0	0		0	0	1			0	1	0	1	4	0.1
C48	Retroperitonium Conn & Soft tissue	2	0 0	0 0	0	1	1	0	1	1	1	0 2	0	0 3	1	0	1	14	0.2
C50	Breast	0	0	0	0	0	0	0	2	1	0	2	1	ა 1	3	2	1	13	0.6
C60	Penis	0	-	0	0	0	-	1	1	2	0	3	2		ა 1	0	1	19	1.1
C61		0	0	0	0	0	1	1	2	1	0	3 2	3	7 3	6	13	5	36	2.0
C62	Prostate Testis	1	0	_	-	-	0	•	3	4	-	1	3 2		2			25	
C62-65			0 2	0	2	2	2	3 1		0	2	2	2	0		0 4	1 2	23	1.4 1.2
C66-68	Kidney	2		0	0	0	0	-	0	1	2	3	2	3	2	-	2		
	Urinary Bladder	-	0	0	-	0	1	2	1	-	2			3	4	5		26	1.4
C69	Eye	5 2	3 5	0	0	0 3	0	0 5	0 5	1	1	0	1 5	0	0	0 1	0	11 60	0.6 3.3
C70-72 C73	Brain			0	6		6			6	6			6		•	0		
C74-75	Thyroid	0	0	0	0	0	0 1	2	2	2 0	1	2 0	2	0	1	0	0 1	12 3	0.7 0.2
C74-75	Other Endocrine	0	0	0	-	0	-	0	-		0	1	_	0	0 1	0 1	-	ა 5	0.2
1	Oth.III Def.	-	0	0	0	0	0	0	0	1	0	-	0	1	-	-	0		
C77	Lymph nodes	0	1	0	0	0	0	1	0	0	0	3	0	0	0	2	2	9	0.5
C78	Sec.Resp.	0	0	0	0	0	1	0	0	0	0	0	0	0	3	1	0	5	0.3
C80	Unk.Prim	0	1	0	1	3	0	4	3	12	13	14	9	14	20	9	13	116	6.4
C81	Hodgkins	2	4	6	2	2	1	1	3	4	3	2	2	2	0	0	1	35	1.9
C82-85	Non Hodgkins	3	3	2	4	2	1	10	6	3	4	8	6	9	10	2	4	77	4.3
C90	Multiple Myeloma	0	0	0	0	0	0	2	1	0	1	0	0	0	2	2	1	9	0.5
C91	Lymphoid Leukemia	7	10	5	6	3	1	2	1	1	2	4	0	3	0	0	3	48	2.7
C92	Myeloid Leukemia	3	1	2	1	4	4	4	6	3	4	4	2	3	2	2	0	45	2.5
C93-95	Oth.Leukemia	0	0	1	3	0	0	0	0	0	0	0	0	1	0	0	0	5	0.3
Total	All Sites	31	40	21	41	34	41	76	88	149	166	223	156	230	225	162	122	1805	100.0



Table 6: Number of Incident Cases of Cancer by Site (ICD-10) and Age with Percentages, Aurangabad, 1995-2004, Female.

ICD10 Site 0 5 10 15 20 25 30 35 40 4		55	60	65	70	/5	Total	%
C00 Lip 0 0 0 0 0 0 1 2	50 0 2	0	0	0	0	0	5	0.3
	5 6	1	9	3	3	1	40	2.3
C03 Gum 0 0 0 0 2 2 2 2 6	1 2	0	1	0	0	1	8	0.5
	6 11	2	11	7	3	1	50	2.8
	0 2	0	0	0	ა 1	0	5	0.3
	0 1	1	2	1	1	1	5 7	0.3
		1		0	1	1	7	
	0 0 3 2	2	0 9	4	1	-	29	0.4
		0	-	0	1	3	29 1	1.6 0.1
	0 1 8 15	13	0 7	13	0 7	0	87	
			-		•	15		4.9
	4 5	3	0	1	0	1	15	0.8
	0 0	1	0	0	0	0	2	0.1
C18 Colon 0 0 0 0 1 5 1 2	2 1	I	3	1	0	2	19	1.1
	3 5	2	2	2	1	1	27	1.5
C22 Liver 0 0 0 0 1 2 0 2	3 4	3	5	6	1	1	28	1.6
	0 0	1	3	1	1	2	9	0.5
	0 3	1	0	0	0	1	6	0.3
	0 0	1	0	0	0	0	1	0.1
C30-31 Nose, Sinuses 0 0 0 0 1 0 1 1 3	1 1	2	0	0	2	0	12	0.7
C32 Larynx 0 0 0 1 0 0 0 0	2 0	0	2	0	0	0	5	0.3
C33-34 Lung 1 0 1 0 2 1 6 3 3	3 2	4	7	2	2	3	40	2.3
	0 5	1	2	2	2	2	19	1.1
C40-41 Bone 3 4 1 2 0 0 1 2 2	2 2	0	1	1	2	1	24	1.4
C43 Skin Melanoma 0 0 0 0 0 0 0 0 0	1 1	0	0	0	0	0	2	0.1
	0 0	3	1	2	5	0	21	1.2
	0 0	0	0	0	0	0	1	0.1
· · · · · · · · · · · · · · · · · ·	0 0	0	0	0	0	0	1	0.1
	1 0	0	2	0	0	0	4	0.2
	0 3	1	3	1	1	1	20	1.1
	7 1 55	34	44	41	16	16	429	24.3
	1 3	4	1	3	2	0	19	1.1
	63	28	59	40	12	14	401	22.7
C54 Corpus Uteri 0 0 0 1 0 0 1 1 4	3 8	3	8	4	1	4	38	2.1
	0 0	0	0	0	1	0	1	0.1
C56 Ovary 0 0 3 4 6 1 6 5 8	3 9	10	10	12	3	2	82	4.6
C64-65 Kidney 2 2 2 0 2 0 0 0 0	2 0	0	1	0	0	0	11	0.6
	0 3	0	6	1	0	0	10	0.6
- - - - - - - - - -	0 0	0	0	0	1	0	8	0.5
	3 1	1	1	0	0	1	38	2.1
··· / ··· / · · · · · · · · · · · · · · · · · · ·	0 2	1	0	1	0	1	21	1.2
	1 0	1	0	0	0	0	4	0.2
	0 0	0	0	0	0	1	2	0.1
	1 1	0	1	2	0	1	6	0.3
	0 0	0	0	1	0	1	2	0.1
	6 4	6	13	7	8	8	73	4.1
	0 0	2	0	0	2	0	7	0.4
	4 2	3	1	3	3	1	35	2.0
	1 1	0	2	2	1	0	9	0.5
- /	1 0	1	1	2	2	0	26	1.5
	4 5	1	3	1	1	0	46	2.6
	0 0	0	0	0	0	1	6	0.3
Total All Sites 16 21 22 22 46 53 97 165 184 20	9 231	139	221	167	87	89	1769	100.0



Table 7: Average Annual Age-Specific, World Age Adjusted, Truncated (35-64) Incidence Rates of Cancer Cases Per 100,000 Persons, by site, Aurangabad, 1995-2004, Male.

ICD10	Site	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	CR	AAR	TR
C00	Lip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.3	2.6	0.1	0.2	0.0
C01-02	Tongue	0.0	0.0	0.0	0.0	0.4	0.0	1.4	2.6	4.1	4.8	8.9	6.9	25.5	20.9	16.1	15.4	2.2	3.8	7.8
C03	Gum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.6	0.0	1.2	5.4	3.2	4.6	5.1	0.4	0.7	1.4
C04-06	Other Mouth	0.0	0.0	0.0	0.0	0.0	0.3	0.6	3.6	6.9	5.3	8.9	9.2	16.1	16.1	16.1	10.2	2.1	3.5	7.8
C07-08	Salivary gland	0.0	0.0	0.0	0.0	0.2	0.3	0.9	0.0	0.4	0.5	1.5	1.2	0.0	1.6	2.3	2.6	0.3	0.4	0.6
C09-10	Oropharynx	0.0	0.0	0.0	0.0	0.2	0.0	0.9	0.3	2.9	3.2	5.9	1.2	9.4	17.7	16.1	5.1	1.2	2.1	3.5
C11	Nasopharynx	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.3	3.2	4.6	2.6	0.3	0.4	0.2
C12-13	Hypopharynx	0.0	0.0	0.0	0.0	0.2	0.5	0.6	0.7	3.3	6.4	17.0	12.7	29.5	35.3	27.5	33.3	3.0	5.5	10.2
C14	Other Oral	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.7	3.5	1.3	1.6	4.6	0.0	0.3	0.4	1.0
C15	Oesophagus	0.0	0.0	0.0	0.0	0.0	0.5	0.3	2.6	4.9	5.8	19.9	23.1	30.8	36.9	29.8	33.3	3.5	6.4	12.8
C16	Stomach	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.0	3.2	4.4	5.8	13.4	4.8	13.8	5.1	1.0	1.8	4.3
C17	Small Intenstine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
C18	Colon	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.7	2.0	3.7	4.4	3.5	10.7	4.8	6.9	5.1	0.9	1.6	3.8
C19-21	Rectum	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	2.0	3.7	5.9	13.9	4.0	11.2	4.6	2.6	1.2	1.9	4.6
C22	Liver	0.2	0.6	0.2	0.0	0.2	0.5	1.7	1.0	0.0	2.7	5.9	5.8	14.7	22.5	18.4	15.4	1.7	2.9	4.3
C23-24	Gall bladder,bile	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	2.7	3.2	0.0	2.6	0.2	0.3	0.4
C25-24	Pancreas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.0	1.2	2.7	0.0	2.3	0.0	0.2	0.4	1.1
C30-31	Nose,Sinuses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	1.5	1.2	4.0	4.8	0.0	0.0	0.2	0.5	1.1
C32	Larynx	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	3.7	8.5	9.6	13.9	14.7	30.5	22.9	20.5	2.4	4.2	7.7
C33-34	Lung	0.0	0.0	0.0	0.0	0.2	1.6	1.2	1.3	5.3	6.4	11.8	23.1	28.2	25.7	41.3	30.7	3.4	5.9	11.0
C38	Med.Plura	0.2	0.2	0.0	0.2	0.0	0.0	0.3	0.0	0.0	1.6	3.0	1.2	8.0	3.2	6.9	0.0	0.5	0.9	2.0
C40-41	Bone	0.0	0.2	0.6	2.3	0.7	1.3	0.9	0.0	1.6	2.7	3.7	2.3	0.0	1.6	0.9	2.6	1.1	1.2	1.9
C40-41	Skin Melanoma	0.0	0.4	0.0	0.0	0.7	0.0	0.9	0.0	0.4	0.5	2.2	0.0	1.3	1.6	0.0	0.0	0.2	0.3	0.7
C43	Skin Other	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.2	2.7	5.2	4.6	5.4	11.2	29.8	17.9	1.3	2.3	3.0
C44	Mesothelioma	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C43	Retroperitonium	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	2.6	0.0	0.0	0.0
C46			0.0		0.2	0.0	0.0	0.0	0.0	0.0	0.5	1.5	0.0	4.0	1.6	0.0	2.6	0.1	0.1	1.0
C50	Conn & Soft tissue Breast	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.4	0.0	1.5	1.2	1.3	4.8	4.6	2.6	0.3	0.5	0.8
C60	Penis		0.0			0.0	0.0	0.0	0.7	0.4	0.0	2.2	2.3	9.4		0.0	2.6		0.8	2.1
	Prostate	0.0		0.0	0.0	0.0	0.0	0.3		0.6	0.0	1.5	2.3 3.5	4.0	1.6	29.8		0.4	1.6	1.4
C61 C62		0.0	0.0	0.0	0.0		0.0	0.9	0.7			0.7		0.0	9.6	0.0	12.8		0.7	1.4
C64-65	Testis	0.2	0.0		0.4	0.4	0.0		1.0	1.6 0.0	1.1		2.3 2.3	4.0	3.2 3.2		2.6 5.1	0.6	0.7	1.1
C66-68	Kidney	0.4	0.4	0.0	0.0	0.0		0.3	0.0		1.1	1.5 2.2				9.2	5.1 5.1	0.5		
C69	Urinary Bladder	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.3	0.4	1.1		2.3 1.2	4.0	6.4	11.5		0.6	1.1	1.5 0.3
C70-72	Eye	1.0	0.6	0.0	0.0 1.2		0.0	0.0	0.0	0.4	0.5	0.0 2.2	5.8	0.0	0.0	0.0	0.0	0.3	0.3	3.6
C70-72	Brain Thyroid	0.4	1.0	0.0	0.0	0.7	1.6 0.0	1.4	1.7 0.7	2.4 0.8	3.2 0.5	1.5	2.3	8.0 0.0	1.6 1.6	2.3	0.0	1.4 0.3	1.7	0.9
C74-75	•		0.0	0.0		0.0	0.0	0.6		0.0		0.0	0.0	0.0	0.0	0.0			0.4	0.9
	Other Endocrine	0.2		0.0	0.0	0.0			0.0		0.0					0.0	2.6	0.1	0.1	
C76	Oth.III Def.	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.4	0.0	0.7	0.0	1.3	1.6	2.3	0.0	0.1	0.2	0.4
C77	Lymph nodes	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	2.2	0.0	0.0	0.0	4.6	5.1	0.2	0.3	0.4
C78	Sec.Resp.	0.0	0.0	0.0		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	2.3	0.0	0.1	0.2	0.0
C80	Unk.Prim	0.0	0.2	0.0	0.2	0.7	0.0	1.2	1.0	4.9	6.9	10.3	10.4	18.8	32.1	20.6	33.3	2.7	4.7	7.9
C81	Hodgkins	0.4	0.8	1.1	0.4	0.4	0.3	0.3	1.0	1.6	1.6	1.5	2.3	2.7	0.0	0.0	2.6	0.8	0.9	1.7
C82-85	Non Hodgkins	0.6	0.6	0.4	8.0	0.4	0.3	2.9	2.0	1.2	2.1	5.9	6.9	12.1	16.1	4.6	10.2	1.8	2.6	4.4
C90	Multiple Myeloma	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.5	0.0	0.0	0.0	3.2	4.6	2.6	0.2	0.3	0.2
C91	Lymphoid Leukemia	1.4	2.0		1.2	0.7	0.3	0.6	0.3	0.4	1.1	3.0	0.0	4.0	0.0	0.0	7.7	1.1	1.2	1.3
C92	Myeloid Leukemia	0.6	0.2	0.4		0.9	1.0	1.2		1.2	2.1	3.0	2.3	4.0	3.2	4.6	0.0	1.0	1.3	2.3
C93-95	Oth.Leukemia	0.0	0.0		0.6	0.0		0.0		0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.1	0.1	0.2
Total	All Sites	6.3	7.9	3.9	8.5	7.5	10.7	22.0	29.1	60.7	88.2	164.5	180.4	308.4	361.3	371.6	312.2	41.3	68.4	124.0



Table 8: Average Annual Age-Specific, World Age Adjusted, Truncated (35-64) Incidence Rates of Cancer Cases Per 100,000 Persons, by site, Aurangabad, 1995-2004, Female

ICD10	Site	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	CR	AAR	TR
C00	Lip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6
C01-02	Tongue	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.7	3.1	3.4	5.7	1.2	3.5	3.7	6.4	2.2	1.0	1.3	2.9
C03	Gum	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.7	1.9	0.0	0.0	0.0	0.0	2.2	0.2	0.3	0.5
C04-06	Other Mouth	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.8	1.6	4.0	10.4	2.4	8.3	8.7	6.4	2.2	1.3	1.9	4.5
C07-08	Salivary gland	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	1.9	0.0	0.0	0.0	2.1	0.0	0.1	0.2	0.4
C09-10	Oropharynx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.2	1.2	1.2	2.1	2.2	0.2	0.3	0.5
C11	Nasopharynx	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.4	0.0	0.0	0.0	1.2	0.0	0.0	2.1	2.2	0.2	0.3	0.3
C12-13	Hypopharynx	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	1.0	2.0	1.9	2.4	4.7	5.0	2.1	6.7	0.7	1.0	2.0
C12-13	Other Oral	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
C15	Oesophagus	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.1	5.4	14.2	15.9	15.4	16.2	14.9	33.6	2.2	4.0	7.8
C16	Stomach	0.2	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	2.7	4.7	3.7	1.2	1.2	0.0	2.2	0.4	0.7	1.9
C10			0.0				0.0						1.2		0.0			0.4	0.7	0.2
C17	Small Intenstine	0.0		0.0	0.0	0.2		0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0			
	Colon	0.0	0.0	0.0	0.0	0.0	0.3	1.6	0.4	1.0	1.3	0.9	1.2	1.2	1.2	0.0	4.5	0.5	0.6	1.0
C19-21	Rectum	0.0	0.0	0.0	0.0	0.2	0.5	0.6	1.1	1.6	2.0	4.7	2.4	2.4	2.5	2.1	2.2	0.7	1.0	2.3
C22	Liver	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	1.0	2.0	3.8	3.7	7.1	7.5	2.1	2.2	0.7	1.2	2.6
C23-24	Gall bladder,bile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.2	1.2	1.2	2.1	4.5	0.2	0.3	0.4
C25	Pancreas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	2.8	1.2	0.0	0.0	0.0	2.2	0.2	0.3	0.7
C26	Other Dig.Organs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
C30-31	Nose,Sinuses	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.4	1.6	0.7	0.9	2.4	0.0	0.0	4.3	0.0	0.3	0.4	1.0
C32	Larynx	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3
C33-34	Lung	0.2	0.0	0.2	0.0	0.5	0.3	1.9	1.1	1.6	2.0	1.9	4.9	2.4	2.5	4.3	6.7	1.0	1.2	2.1
C38	Med.Plura	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.4	0.5	0.0	4.7	1.2	2.4	2.5	4.3	4.5	0.5	0.7	1.4
C40-41	Bone	0.7	0.9	0.2	0.5	0.0	0.0	0.3	0.7	1.0	1.3	1.9	0.0	1.2	1.2	4.3	2.2	0.6	0.7	1.1
C43	Skin Melanoma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3
C44	Skin Other	0.0	0.0	0.0	0.3	0.5	0.3	0.0	2.2	0.0	0.0	0.0	3.7	2.4	2.5	10.7	0.0	0.5	0.7	1.2
C45	Mesothelioma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
C47	Nervous System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
C48	Retroperitonium	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
C49	Conn & Soft tissue	0.0	0.2	0.0	0.0	0.2	0.8	0.6	1.1	0.0	0.0	2.8	1.2	1.2	1.2	2.1	2.2	0.5	0.6	1.0
C50	Breast	0.0	0.0	0.0	0.0	1.5	1.6	8.4	18.1	33.4	47.8	52.1	41.5	48.4	51.2	34.2	35.8	10.9	15.8	39.2
C51-52,57,58	Oth.Fem.Gen.Organs	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.7	0.5	0.7	2.8	4.9	3.5	3.7	4.3	0.0	0.5	0.8	1.9
C53	Cervix Uteri	0.0	0.0	0.0	0.0	0.5	2.1	7.1	15.6	24.5	42.4	59.6	34.2	47.3	49.9	25.6	31.4	10.2	14.5	36.1
C54	Corpus Uteri	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.4	2.1	2.0	7.6	3.7	4.7	5.0	2.1	9.0	1.0	1.4	3.2
C55	Uterus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0
C56	Ovary	0.0	0.0	0.6	1.0	1.5	0.3	1.9	1.8	4.2	2.0	8.5	12.2	14.2	15.0	6.4	4.5	2.1	3.0	6.3
C64-65	Kidney	0.5	0.4	0.4	0.0	0.5	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
C66-68	Urinary Bladder	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	1.2	1.2	0.0	0.0	0.3	0.2	0.6
C69	Eye	0.7	0.4	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.2	0.2	0.1
C70-72	Brain	0.0	1.1			0.7	1.9	1.0	2.5	1.6	2.0	0.9	1.2	0.0	0.0	0.0	2.2	1.0	0.9	1.5
C73	Thyroid		0.0	0.0		0.5	8.0	0.0	2.2	0.5	0.0	1.9	1.2	1.2	1.2	0.0	2.2	0.5	0.6	1.1
C74-75	Other Endocrine	0.2	0.0	0.2		0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3
C76	Oth.III Def.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.1	0.1	0.1
C77	Lymph nodes		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.0	2.4	2.5	0.0	2.2	0.2	0.3	0.6
C78	Sec.Resp.	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	2.2	0.1	0.1	0.2
C80	Unk.Prim	0.2	0.0			0.7	1.3	0.3	1.1	3.1	4.0	3.8	7.3	8.3	8.7	17.1	17.9	1.9	2.5	4.2
C81	Hodgkins	0.0	0.0	0.0		0.2	0.0	0.3	0.4	0.0	0.0	0.0	2.4	0.0	0.0	4.3	0.0	0.2	0.2	0.4
C82-85	Non Hodgkins		0.2	0.6		0.2	0.5	0.3	2.2	1.6	2.7	1.9	3.7	3.5	3.7	6.4	2.2	0.9	1.2	2.5
C90	Multiple Myeloma		0.0	0.0		0.0	0.0	0.3	0.0	0.5	0.7	0.9	0.0	2.4	2.5	2.1	0.0	0.2	0.4	0.7
C91	Lymphoid Leukemia		1.1	0.8	0.0	0.2	0.3	0.3	1.1	0.5	0.7	0.0	1.2	2.4	2.5	4.3	0.0	0.7	0.8	0.9
C92	Myeloid Leukemia	0.0	0.0	0.6		1.5	1.3	1.9	1.5	2.6	2.7	4.7	1.2	1.2	1.2	2.1	0.0	1.2	1.3	2.4
C93-95	Oth.Leukemia		0.0			0.2	0.3	0.0			0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.2	0.2	0.2
Total	All Sites	3.7	4.5	4.6	5.6	11.3	14.1	31.4	59.9	95.9	140.8	218.7	169.8	197.3	208.4	185.7	199.4	45.0	63.1	140.0



Table 9: Incident Cases of Cancer by Most Valid Basis of Diagnosis and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Male.

ICD10	Site	Micro	scopic	DC	0	Clini	cal Only	Clinical In	vestigation	T	otal	
		N	%	N	%	N	%	N	%	N	%	
C00	Lip	3	75.0	0	0.0	0	0.0	1	25.0	4	100.0	
C01-02	Tongue	91	93.8	3	3.1	1	1.0	2	2.1	97	100.0	
C03	Gum	16	94.1	0	0.0	1	5.9	0	0.0	17	100.0	
C04-06	Other Mouth	90	95.7	1	1.1	0	0.0	3	3.2	94	100.0	
C07-08	Salivary gland	7	53.8	0	0.0	0	0.0	6	46.2	13	100.0	
C09-10	Oropharynx	52	96.3	1	1.9	0	0.0	1	1.9	54	100.0	
C11	Nasopharynx	7	63.6	0	0.0	0	0.0	4	36.4	11	100.0	
C12-13	Hypopharynx	118	90.8	6	4.6	1	0.8	5	3.8	130	100.0	
C14	Other Oral	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0	
C15	Oesophagus	141	92.2	8	5.2	0	0.0	4	2.6	153	100.0	
C16	Stomach	33	75.0	5	11.4	0	0.0	6	13.6	44	100.0	
C17	Small Intenstine	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0	
C18	Colon	31	75.6	2	4.9	0	0.0	8	19.5	41	100.0	
C19-21	Rectum	43	84.3	1	2.0	3	5.9	4	7.8	51	100.0	
C22	Liver	71	95.9	1	1.4	1	1.4	1	1.4	74	100.0	
C23-24	Gall bladder,bile	2	28.6	2	28.6	2	28.6	1	14.3	7	100.0	
C25	Pancreas	4	44.4	0	0.0	1	11.1	4	44.4	9	100.0	
C30-31	Nose,Sinuses	9	81.8	0	0.0	0	0.0	2	18.2	11	100.0	
C32	Larynx	97	94.2	2	1.9	1	1.0	3	2.9	103	100.0	
C33-34	Lung	75	50.7	20	13.5	9	6.1	44	29.7	148	100.0	
C38	Med.Plura	3	13.6	14	63.6	4	18.2	1	4.5	22	100.0	
C40-41	Bone	46	97.9	0	0.0	0	0.0	1	2.1	47	100.0	
C43	Skin Melanoma	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0	
C44	Skin Other	55	98.2	1	1.8	0	0.0	0	0.0	56	100.0	
C45	Mesothelioma	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0	
C48	Retroperitonium	3	75.0	0	0.0	1	25.0	0	0.0	4	100.0	
C49	Conn & Soft tissue	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0	
C50	Breast	13	100.0	0	0.0	0	0.0	0	0.0	13	100.0	
C60	Penis	16	84.2	0	0.0	1	5.3	2	10.5	19	100.0	
C61	Prostate	21	58.3	0	0.0	6	16.7	9	25.0	36	100.0	
C62	Testis	20	80.0	1	4.0	3	12.0	1	4.0	25	100.0	
C64-65	Kidney	20	90.9	0	0.0	0	0.0	2	9.1	22	100.0	
C66-68	Urinary Bladder	19	73.1	0	0.0	2	7.7	5	19.2	26	100.0	
C69	Eye	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0	
C70-72	Brain	56	93.3	1	1.7	3	5.0	0	0.0	60	100.0	
C73	Thyroid	7	58.3	1	8.3	0	0.0	4	33.3	12	100.0	
C74-75	Other Endocrine	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0	
C76	Oth.III Def.	3	60.0	0	0.0	2	40.0	0	0.0	5	100.0	
C77	Lymph nodes	4	44.4	3	33.3	2	22.2	0	0.0	9	100.0	
C78	Sec.Resp.	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0	
C80	Unk.Prim	19	16.4	56	48.3	27	23.3	14	12.1	116	100.0	
C81	Hodgkins	35	100.0	0	0.0	0	0.0	0	0.0	35	100.0	
C82-85	Non Hodgkins	77	100.0	0	0.0	0	0.0	0	0.0	77	100.0	
C90	Multiple Myeloma	9	100.0	0	0.0	0	0.0	0	0.0	9	100.0	
C91	Lymphoid Leukemia	48	100.0	0	0.0	0	0.0	0	0.0	48	100.0	
C92	Myeloid Leukemia	45	100.0	0	0.0	0	0.0	0	0.0	45	100.0	
C93-95	Oth.Leukemia	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0	
Total	All Sites	1467	81.3	129	7.1	71	3.9	138	7.6	1805	100.0	



Table 10: Incident Cases of Cancer by Most Valid Basis of Diagnosis and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Female.

ICD10	Site	Micro	scopic	DC	0	Clini	cal Only	Clinical Inv	vestigation	To	tal
		N	%	N	%	N	%	N	%	N	%
C00	Lip	4	80.0	0	0.0	1	20.0	0	0.0	5	100.0
C01-02	Tongue	38	95.0	1	2.5	Ó	0.0	1	2.5	40	100.0
C03	Gum	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
C04-06	Other Mouth	47	94.0	ő	0.0	Ö	0.0	3	6.0	50	100.0
C07-08	Salivary gland	5	100.0	ő	0.0	Ö	0.0	Ö	0.0	5	100.0
C09-10	Oropharynx	7	100.0	Ö	0.0	0	0.0	0	0.0	7	100.0
C11	Nasopharynx	6	85.7	Ö	0.0	0	0.0	1 1	14.3	7	100.0
C12-13	Hypopharynx	27	93.1	1	3.4	Ö	0.0	1	3.4	29	100.0
C14	Other Oral	1	100.0	Ö	0.0	Ö	0.0	0	0.0	1	100.0
C15	Oesophagus	82	94.3	4	4.6	1	1.1	0	0.0	87	100.0
C16	Stomach	13	86.7	0	0.0	Ö	0.0	2	13.3	15	100.0
C17	Small Intenstine	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
C18	Colon	14	73.7	1	5.3	1	5.3	3	15.8	19	100.0
C10 C19-21	Rectum	20	74.1	2	7.4	3	11.1	2	7.4	27	100.0
C22	Liver	24	85.7	1	3.6	0	0.0	3	10.7	28	100.0
C22 C23-24	Gall bladder,bile	4	44.4	1	11.1	0	0.0	4	44.4	9	100.0
C25-24 C25	Pancreas	2	33.3		0.0	1	16.7	3	50.0	6	100.0
C26	Other Dig.Organs	0	0.0	0	0.0		100.7	0	0.0	1	100.0
C30-31	Nose, Sinuses	10	83.3	0	0.0	0	0.0	2	16.7	12	100.0
C30-31		5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
C32-34	Larynx	15	37.5	10	25.0	4	10.0	11	27.5	40	100.0
C33-34 C38	Lung Med.Plura	4	21.1	8	42.1	3	15.8	4	21.3	19	100.0
C40-41	Bone	23	95.8		0.0	0	0.0	1	4.2	24	100.0
			100.0	0	l	1			0.0		100.0
C43 C44	Skin Melanoma	2	100.0	0	0.0	0	0.0	0	0.0	2 21	
	Skin Other	21		0	0.0	0	0.0	0			100.0
C45	Mesothelioma	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
C47	Nervous System	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
C48	Retroperitonium	2	50.0	0	0.0	1	25.0	1	25.0	4	100.0
C49	Conn & Soft tissue	13	65.0	1	5.0	3	15.0	3	15.0	20	100.0
C50	Breast	411	95.8	1	0.2	3	0.7	14	3.3	429	100.0
C51-52,57,58	Oth.Fem.Gen.Organs	15	78.9	0	0.0	1	5.3	3	15.8	19	100.0
C53	Cervix Uteri	388	96.8	6	1.5	1	0.2	6	1.5	401	100.0
C54	Corpus Uteri	33	86.8	1	2.6	0	0.0	4	10.5	38	100.0
C55	Uterus	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
C56	Ovary	56	68.3	2	2.4	0	0.0	24	29.3	82	100.0
C64-65	Kidney	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0
C66-68	Urinary Bladder	9	90.0	1	10.0	0	0.0	0	0.0	10	100.0
C69	Eye	6	75.0	0	0.0	0	0.0	2	25.0	8	100.0
C70-72	Brain	37	97.4	1	2.6	0	0.0	0	0.0	38	100.0
C73	Thyroid	17	81.0	2	9.5	2	9.5	0	0.0	21	100.0
C74-75	Other Endocrine	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
C76	Oth.III Def.	0	0.0	0	0.0	1	50.0	1	50.0	2	100.0
C77	Lymph nodes	5	83.3	0	0.0	1	16.7	0	0.0	6	100.0
C78	Sec.Resp.	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
C80	Unk.Prim	10	13.7	44	60.3	13	17.8	6	8.2	73	100.0
C81	Hodgkins	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
C82-85	Non Hodgkins	35	100.0	0	0.0	0	0.0	0	0.0	35	100.0
C90	Multiple Myeloma	9	100.0	0	0.0	0	0.0	0	0.0	9	100.0
C91	Lymphoid Leukemia	26	100.0	0	0.0	0	0.0	0	0.0	26	100.0
C92	Myeloid Leukemia	46	100.0	0	0.0	0	0.0	0	0.0	46	100.0
C93-95	Oth.Leukemia	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
Total	All Sites	1534	86.7	88	5.0	41	2.3	106	6.0	1769	100.0



Table 11: Incident Cases of Cancer by Religion and Site (ICD-10) with Crude Rates per 100,000 Population, Aurangabad, 1995-2004, Male.

ICD10	Site	Н	indu	Mu	ıslim	C	Others	To	otal
		N	CR	N	CR	N	CR	N	CR
C00	Lip	2	.09	1	.08	1	.14	4	.09
C01-02	Tongue	74	3.15	20	1.55	3	.43	97	2.22
C03	Gum	12	.51	3	.23	2	.29	17	.39
C04-06	Other Mouth	71	3.02	23	1.79	0	00	94	2.15
C07-08	Salivary gland	11	.47	2	.16	0	00	13	.30
C09-10	Oropharynx	38	1.62	14	1.09	2	.29	54	1.23
C11	Nasopharynx	9	.38	2	.16	0	00	11	.25
C12-13	Hypopharynx	99	4.21	26	2.02	5	.72	130	2.97
C14	Other Oral	9	.38	1	.08	1	.14	11	.25
C15	Oesophagus	124	5.28	24	1.86	5	.72	153	3.50
C16	Stomach	35	1.49	9	.70	0	00	44	1.01
C17	Small Intenstine	1	.04	0	00	0	00	1	.02
C18	Colon	37	1.57	3	.23	1	.14	41	.94
C19-21	Rectum	42	1.79	7	.54	2	.29	51	1.17
C22	Liver	49	2.09	25	1.94	0	00	74	1.69
C23-24	Gall bladder,bile	6	.26	1	.08	0	00	7	.16
C25	Pancreas	9	.38	0	.00	0	00	9	.21
C30-31	Nose,Sinuses	9	.38	2	.16	0	00	11	.25
C32	Larynx	74	3.15	27	2.10	2	.29	103	2.35
C33-34	Lung	94	4.00	49	3.81	5	.72	148	3.38
C38	Med.Plura	16	.68	6	.47	0	00	22	.50
C40-41	Bone	34	1.45	11	.85	2	.29	47	1.07
C43	Skin Melanoma	6	.26	0	00	1	.14	7	.16
C44	Skin Other	42	1.79	12	.93	2	.29	56	1.28
C45	Mesothelioma	0	.00	1	.08	0	.00	1	.02
C48	Retroperitonium	2	.09	2	.16	0	.00	4	.09
C49	Conn & Soft tissue	9 8	.38 .34	5	.39 .39	0	.00	14	.32
C50 C60	Breast Penis	17	.34 .72	5 1	.39	0	.00 .14	13 19	.30 .43
C61	Prostate	27	1.15	8	.06 .62	1 1	.14	36	.43
C62	Testis	19	.81	5	.39	1	.14	25	.57
C64-65	Kidney	18	.77	4	.31	0	.00	22	.50
C66-68	Urinary Bladder	24	1.02	1	.08	1	.14	26	.59
C69	Eye	5	.21	6	.47	0	.00	11	.25
C70-72	Brain	46	1.96	10	.78	4	.58	60	1.37
C73	Thyroid	7	.30	4	.31	i i	.14	12	.27
C74-75	Other Endocrine	3	.13	0	.00	0	.00	3	.07
C76	Oth.III Def.	4	.17	1 1	.08	0	.00	5	.11
C77	Lymph nodes	6	.26	3	.23	0	.00	9	.21
C78	Sec.Resp.	3	.13	2	.16	0	.00	5	.11
C80	Unk.Prim	89	3.79	25	1.94	2	.29	116	2.65
C81	Hodgkins	26	1.11	7	.54	2	.29	35	.80
C82-85	Non Hodgkins	53	2.26	22	1.71	2	.29	77	1.76
C90	Multiple Myeloma	8	.34	1	.08	0	.00	9	.21
C91	Lymphoid Leukemia	37	1.57	10	.78	1	.14	48	1.10
C92	Myeloid Leukemia	29	1.23	15	1.17	1	.14	45	1.03
C93-95	Oth.Leukemia	3	.13	2	.16	0	.00	5	.11
Total	All Sites	1346	57.29	408	31.70	51	7.36	1805	41.26



Table 12: Incident Cases of Cancer by Religion and Site (ICD-10) with Crude Rates per 100,000 Population, Aurangabad, 1995-2004, Female

ICD10	Site	Hi	indu	Mu	slim	Ot	hers	Tot	al
		N	CR	N	CR	N	CR	N	CR
C00	Lip	5	0.24	0	00	0	00	5	0.13
C01-02	Tongue	25	1.21	11	0.93	4	8.90	40	1.02
C03	Gum	7	0.34	1	0.08	0	00	8	0.20
C04-06	Other Mouth	28	1.35	19	1.60	3	6.67	50	1.27
C07-08	Salivary gland	3	0.15	2	0.17	0	00	5	0.13
C09-10	Oropharynx	5	0.24	2	0.17	0	00	7	0.18
C11	Nasopharynx	1	0.05	6	0.51	0	00	7	0.18
C12-13	Hypopharynx	26	1.26	3	0.25	0	00	29	0.74
C14	Other Oral	0	00	1	0.08	0	00	1	0.03
C15	Oesophagus	71	3.43	11	0.93	5	11.12	87	2.21
C16	Stomach	12	0.58	2	0.17	1	2.22	15	0.38
C17	Small Intenstine	1	0.05	1	0.08	0	00	2	0.05
C18	Colon	11	0.53	8	0.67	0	00	19	0.48
C19-21	Rectum	17	0.82	8	0.67	2	4.45	27	0.69
C22	Liver	23	1.11	5	0.42	0	00	28	0.71
C23-24	Gall bladder,bile	7	0.34	2	0.17	0	00	9	0.23
C25	Pancreas	4	0.19	1	0.08	1	2.22	6	0.15
C26	Other Dig.Organs	0	00	1	0.08	0	00	1	0.03
C30-31	Nose, Sinuses	9	0.44	i i	0.08	2	4.45	12	0.31
C32	Larynx	5	0.24	Ö	00	0	00	5	0.13
C33-34	Lung	35	1.69	5	0.42	0	00	40	1.02
C38	Med.Plura	10	0.48	9	0.76	0	00	19	0.48
C40-41	Bone	18	0.40	6	0.70	0	00	24	0.40
C43	Skin Melanoma	1	0.05	0	0.51	1	2.22	2	0.05
C44	Skin Other	13	0.63	8	0.67	Ö	00	21	0.53
C45	Mesothelioma	0	0.03	0	0.07	1	2.22	1	0.03
C47	Nervous System	1	0.05	0	00	0	00		0.03
C48	Retroperitonium	1	0.05	3	0.25	0	00	4	0.03
C49	Conn & Soft tissue	14	0.68	5	0.42	1	2.22	20	0.10
C50	Breast	326	15.76	88	7.42	15	33.36	429	10.91
C51-52,57,58	Oth.Fem.Gen.Organs	14	0.68	4	0.34	1	2.22	19	0.48
C53	Cervix Uteri	327	15.81	46	3.88	28	62.28	401	10.20
C54	Corpus Uteri	23	1.11	12	1.01	3	6.67	38	0.97
C55	Uterus	1	0.05	0	00	0	0.07	1	0.97
C56	Ovary	64	3.09	16	1.35	2	4.45	82	2.09
C64-65	Kidney	8	0.39	1	0.08	2	4.45	11	0.28
C66-68	Urinary Bladder	9	0.34	1	0.08	0	00	10	0.25
C69	Eye	4	0.44	4	0.34	0	00	8	0.20
C70-72	Brain	27	1.31	11	0.93	0	00	38	0.20
C70-72 C73	Thyroid	16	0.77	3	0.93	2	4.45	21	0.57
C73 C74-75	Other Endocrine	3	0.77	1	0.23	0	00	4	0.55
C74-75 C76	Oth.III Def.	2	0.15		0.08	0	00		0.10
C76 C77	Lymph nodes	4	0.10	0 2	0.17	0	00	2	0.05
C77		1 1	0.19	1	0.17	0	00	6 2	0.15
	Sec.Resp.					_			
C80	Unk.Prim	61	2.95	11	0.93	1	2.22	73	1.86
C81	Hodgkins	5	0.24	2	0.17	0	00	7	0.18
C82-85	Non Hodgkins	25	1.21	10	0.84	0	00	35	0.89
C90	Multiple Myeloma	4	0.19	4	0.34	1	2.22	9	0.23
C91	Lymphoid Leukemia	17	0.82	8	0.67	1	2.22	26	0.66
C92	Myeloid Leukemia	33	1.60	11	0.93	2	4.45	46	1.17
C93-95	Oth.Leukemia	2	0.10	4	0.34	0	00	6	0.15
Total	All Sites	1329	64.24	361	30.45	79	175.71	1769	44.98



Table 13: Incident Cases of Cancer by Language and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Male

ICD10	Site	Mar	athi	Uro		Hir	ndi	Oth		Tota	al
		N	%	N	%	N	%	N	%	N	%
C00	Lip	3	0.2	1	0.2	0	0.0	0	0.0	4	0.2
C01-02	Tongue	74	5.6	20	4.9	2	3.4	1	3.6	97	5.4
C03	Gum	14	1.1	3	0.7	0	0.0	0	0.0	17	0.9
C04-06	Other Mouth	67	5.1	23	5.7	4	6.9	0	0.0	94	5.2
C07-08	Salivary gland	11	0.8	2	0.5	0	0.0	0	0.0	13	0.7
C09-10	Oropharynx	40	3.0	14	3.5	0	0.0	0	0.0	54	3.0
C11	Nasopharynx	9	0.7	2	0.5	0	0.0	0	0.0	11	0.6
C12-13	Hypopharynx	101	7.7	25	6.2	3	5.2	1	3.6	130	7.2
C14	Other Oral	8	0.6	1	0.2	1	1.7	1	3.6	11	0.6
C15	Oesophagus	124	9.4	24	5.9	4	6.9	1	3.6	153	8.5
C16	Stomach	32	2.4	9	2.2	2	3.4	1	3.6	44	2.4
C17	Small Intenstine	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
C18	Colon	34	2.6	3	0.7	3	5.2	1	3.6	41	2.3
C19-21	Rectum	38	2.9	7	1.7	5	8.6	1	3.6	51	2.8
C22	Liver	48	3.7	25	6.2	0	0.0	1	3.6	74	4.1
C23-24	Gall bladder,bile	6	0.5	1	0.2	0	0.0	0	0.0	7	0.4
C25	Pancreas	9	0.7	0	0.0	0	0.0	0	0.0	9	0.5
C30-31	Nose, Sinuses	8	0.6	2	0.5	1	1.7	0	0.0	11	0.6
C32	Larynx	72	5.5	27	6.7	3	5.2	1	3.6	103	5.7
C33-34	Lung	97	7.4	49	12.1	0	0.0	2	7.1	148	8.2
C38	Med.Plura	16	1.2	6	1.5	0	0.0	0	0.0	22	1.2
C40-41	Bone	33	2.5	11	2.7	1	1.7	2	7.1	47	2.6
C43	Skin Melanoma	7	0.5	0	0.0	0	0.0	0	0.0	7	0.4
C44	Skin Other	42	3.2	12	3.0	2	3.4	0	0.0	56	3.1
C45	Mesothelioma	0	0.0	1	0.2	0	0.0	0	0.0	1	0.1
C48	Retroperitonium	2	0.2	2	0.5	0	0.0	0	0.0	4	0.2
C49	Conn & Soft tissue	8	0.6	5	1.2	1	1.7	0	0.0	14	0.2
C50	Breast	6	0.5	5	1.2	2	3.4	0	0.0	13	0.7
C60	Penis	17	1.3	1	0.2	0	0.0	1	3.6	19	1.1
C61	Prostate	28	2.1	8	2.0	0	0.0	0	0.0	36	2.0
C62	Testis	18	1.4	5	1.2	0	0.0	2	7.1	25	1.4
C64-65	Kidney	17	1.3	4	1.0	0	0.0	1	3.6	22	1.2
C66-68	Urinary Bladder	22	1.7	1	0.2	2	3.4	1	3.6	26	1.4
C69	Eye	5	0.4	6	1.5	0	0.0	0	0.0	11	0.6
C70-72	Brain	47	3.6	10	2.5	1	1.7	2	7.1	60	3.3
C73	Thyroid	7	0.5	4	1.0	1	1.7	0	0.0	12	0.7
C74-75	Other Endocrine	1	0.3	0	0.0	1	1.7	1	3.6	3	0.7
C74-73	Oth-III Def.	4	0.1	1	0.0	0	0.0	0	0.0	5	0.2
C77	Lymph nodes	6	0.5	3	0.2	0	0.0	0	0.0	9	0.5
C78	Sec.Resp.	3	0.5	2	0.7	0	0.0	0	0.0	5	0.3
C80	Unk.Prim	85	6.5	25	6.2	3	5.2	3	10.7	116	6.4
C81	Hodgkins	23	1.8	25 6	1.5	5 5	8.6	ა 1	3.6	35	1.9
C82-85	Non Hodgkins	49	3.7	22	5.4	5	8.6		3.6	77	4.3
C82-85	Multiple Myeloma	7	3. <i>1</i> 0.5	1	0.2	1	1.7	1	0.0	9	4.3 0.5
C90	Lymphoid Leukemia	35	0.5 2.7	10	2.5	2	3.4	0	3.6	48	0.5 2.7
C91		27	2.1	10	2.5 3.5	3	5.4			45	2.7
	Myeloid Leukemia				3.5 0.5			1	3.6 0.0		
C93-95	Oth.Leukemia	3	0.2	2		0	0.0	0		5	0.3
Total	All Sites	1314	100.0	405	100.0	58	100.0	28	100.0	1805	100.0



Table 14: Incident Cases of Cancer by Language and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Female.

ICD10	Site	Mai	rathi	Urd	du	Hir	ndi	Oth	ers	To	tal
		N	%	N	%	N	%	N	%	N	%
C00 I	Lip	5	0.4	0	0.0	0	0.0	0	0.0	5	0.3
C01-02	Tongue	27	2.0	11	3.1	1	2.8	1	4.5	40	2.3
C03	Gum	7	0.5	1	0.3	0	0.0	0	0.0	8	0.5
C04-06	Other Mouth	30	2.2	19	5.3	1	2.8	0	0.0	50	2.8
C07-08	Salivary gland	3	0.2	2	0.6	0	0.0	0	0.0	5	0.3
C09-10 (Oropharynx	5	0.4	2	0.6	0	0.0	0	0.0	7	0.4
	Nasopharynx	1	0.1	6	1.7	0	0.0	0	0.0	7	0.4
C12-13	Hypopharynx	25	1.8	3	0.8	0	0.0	1	4.5	29	1.6
C14 (Other Oral	0	0.0	1	0.3	0	0.0	0	0.0	1	0.1
C15 (Oesophagus	73	5.4	11	3.1	3	8.3	0	0.0	87	4.9
C16 S	Stomach	13	1.0	2	0.6	0	0.0	0	0.0	15	0.8
C17 S	Small Intenstine	1	0.1	1	0.3	0	0.0	0	0.0	2	0.1
C18 (Colon	10	0.7	8	2.2	0	0.0	1	4.5	19	1.1
C19-21	Rectum	19	1.4	8	2.2	0	0.0	0	0.0	27	1.5
	Liver	22	1.6	5	1.4	0	0.0	1	4.5	28	1.6
	Gall bladder,bile	6	0.4	2	0.6	1	2.8	0	0.0	9	0.5
	Pancreas	4	0.3	1	0.3	0	0.0	1	4.5	6	0.3
C26 (Other Dig.Organs	0	0.0	1	0.3	0	0.0	0	0.0	1	0.1
	Nose, Sinuses	11	0.8	1	0.3	0	0.0	0	0.0	12	0.7
	Larynx	5	0.4	0	0.0	0	0.0	0	0.0	5	0.3
	Lung	34	2.5	5	1.4	1	2.8	0	0.0	40	2.3
	Med.Plura	10	0.7	9	2.5	0	0.0	0	0.0	19	1.1
	Bone	18	1.3	6	1.7	0	0.0	0	0.0	24	1.4
	Skin Melanoma	2	0.1	0	0.0	0	0.0	0	0.0	2	0.1
	Skin Other	13	1.0	8	2.2	0	0.0	0	0.0	21	1.2
C45 I	Mesothelioma	0	0.0	0	0.0	0	0.0	1	4.5	1	0.1
	Nervous System	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
	Retroperitonium	1	0.1	3	0.8	0	0.0	0	0.0	4	0.2
	Conn & Soft tissue	15	1.1	5	1.4	0	0.0	0	0.0	20	1.1
C50 I	Breast	329	24.3	87	24.4	8	22.2	5	22.7	429	24.3
C51-52,57,58 (Oth.Fem.Gen.Organs	14	1.0	4	1.1	1	2.8	0	0.0	19	1.1
	Cervix Uteri	344	25.4	44	12.3	12	33.3	1	4.5	401	22.7
C54 (Corpus Uteri	23	1.7	12	3.4	2	5.6	1	4.5	38	2.1
	Uterus	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
C56 (Ovary	64	4.7	15	4.2	1	2.8	2	9.1	82	4.6
	Kidney	9	0.7	1	0.3	0	0.0	1	4.5	11	0.6
	Urinary Bladder	9	0.7	1	0.3	0	0.0	0	0.0	10	0.6
C69 I	Eye	4	0.3	4	1.1	0	0.0	0	0.0	8	0.5
	Brain	25	1.8	11	3.1	2	5.6	0	0.0	38	2.1
C73	Thyroid	17	1.3	3	0.8	0	0.0	1	4.5	21	1.2
	Other Endocrine	3	0.2	1	0.3	0	0.0	0	0.0	4	0.2
C76 (Oth.III Def.	1	0.1	0	0.0	1	2.8	0	0.0	2	0.1
	Lymph nodes	4	0.3	2	0.6	0	0.0	0	0.0	6	0.3
	Sec.Resp.	1	0.1	1	0.3	0	0.0	0	0.0	2	0.1
	Unk.Prim	59	4.4	11	3.1	0	0.0	3	13.6	73	4.1
	Hodgkins	4	0.3	2	0.6	1	2.8	0	0.0	7	0.4
	Non Hodgkins	22	1.6	10	2.8	1	2.8	2	9.1	35	2.0
	Multiple Myeloma	5	0.4	4	1.1	0	0.0	0	0.0	9	0.5
	Lymphoid Leukemia	18	1.3	8	2.2	0	0.0	0	0.0	26	1.5
	Myeloid Leukemia	35	2.6	11	3.1	0	0.0	0	0.0	46	2.6
	Oth.Leukemia	2	0.1	4	1.1	0	0.0	0	0.0	6	0.3
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Table 15: Incident Cases of Cancer by Marital Status and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Male.

ICD10	Site	Unr	married	M	arried	Wid	owed	Div	& Sep	Uı	nknown		Total
		N	%	N	%	N	%	N	%	N	%	N	%
C00	Lip	0	0.0	4	0.3	0	0.0	0	0.0	0	0.0	4	0.2
C01-02	Tongue	1	0.6	77	5.8	2	20.0	0	0.0	17	5.8	97	5.4
C03	Gum	0	0.0	13	1.0	0	0.0	0	0.0	4	1.4	17	0.9
C04-06	Other Mouth	0	0.0	67	5.1	0	0.0	0	0.0	27	9.2	94	5.2
C07-08	Salivary gland	2	1.1	10	0.8	0	0.0	0	0.0	1	0.3	13	0.7
C09-10	Oropharynx	1	0.6	35	2.6	1	10.0	0	0.0	17	5.8	54	3.0
C11	Nasopharynx	4	2.3	7	0.5	0	0.0	0	0.0	0	0.0	11	0.6
C12-13	Hypopharynx	3	1.7	107	8.1	0	0.0	0	0.0	20	6.8	130	7.2
C14	Other Oral	0	0.0	9	0.7	0	0.0	0	0.0	2	0.7	11	0.6
C15	Oesophagus	3	1.7	129	9.7	2	20.0	0	0.0	19	6.5	153	8.5
C16	Stomach	0	0.0	38	2.9	0	0.0	0	0.0	6	2.1	44	2.4
C17	Small Intenstine	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3	1	0.1
C18	Colon	2	1.1	30	2.3	0	0.0	0	0.0	9	3.1	41	2.3
C19-21	Rectum	0	0.0	39	2.9	0	0.0	0	0.0	12	4.1	51	2.8
C22	Liver	10	5.7	52	3.9	0	0.0	0	0.0	12	4.1	74	4.1
C23-24	Gall bladder,bile	1	0.6	6	0.5	0	0.0	0	0.0	0	0.0	7	0.4
C25	Pancreas	0	0.0	8	0.6	0	0.0	0	0.0	1	0.3	9	0.5
C30-31	Nose,Sinuses	0	0.0	7	0.5	0	0.0	0	0.0	4	1.4	11	0.6
C32	Larynx	1	0.6	81	6.1	1	10.0	0	0.0	20	6.8	103	5.7
C33-34	Lung	8	4.5	120	9.0	1	10.0	0	0.0	19	6.5	148	8.2
C38	Med.Plura	2	1.1	18	1.4	0	0.0	0	0.0	2	0.7	22	1.2
C40-41	Bone	20	11.4	22	1.7	0	0.0	0	0.0	5	1.7	47	2.6
C43	Skin Melanoma	0	0.0	7	0.5	0	0.0	0	0.0	0	0.0	7	0.4
C44	Skin Other	1	0.6	39	2.9	0	0.0	0	0.0	16	5.5	56	3.1
C45	Mesothelioma	1	0.6	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
C48	Retroperitonium	1	0.6	3	0.2	0	0.0	0	0.0	0	0.0	4	0.2
C49	Conn & Soft tissue	2	1.1	10	0.8	0	0.0	0	0.0	2	0.7	14	8.0
C50	Breast	0	0.0	9	0.7	1	10.0	0	0.0	3	1.0	13	0.7
C60	Penis	0	0.0	15	1.1	0	0.0	0	0.0	4	1.4	19	1.1
C61	Prostate	0	0.0	33	2.5	0	0.0	0	0.0	3	1.0	36	2.0
C62	Testis	3	1.7	15	1.1	1	10.0	1	100.0	5	1.7	25	1.4
C64-65	Kidney	3	1.7	15	1.1	0	0.0	0	0.0	4	1.4	22	1.2
C66-68	Urinary Bladder	0	0.0	21	1.6	0	0.0	0	0.0	5	1.7	26	1.4
C69	Eye	8	4.5	1	0.1	0	0.0	0	0.0	2	0.7	11	0.6
C70-72	Brain	19	10.8	36	2.7	0	0.0	0	0.0	5	1.7	60	3.3
C73	Thyroid	0	0.0	9	0.7	0	0.0	0	0.0	3	1.0	12	0.7
C74-75	Other Endocrine	1	0.6	1	0.1	0	0.0	0	0.0	1	0.3	3	0.2
C76 C77	Oth.III Def. Lymph nodes	0	0.0	4 7	0.3 0.5	0	0.0 0.0	0	0.0	1 1	0.3	5 9	0.3 0.5
C77	, , .	1	0.6	2	0.5	0	0.0	0	0.0	3		5	0.5
	Sec.Resp. Unk.Prim	0	0.0 2.3	105	7.9	0		0		7	1.0		
C80 C81	Hodgkins	15	2.3 8.5	105	1.9	0 0	0.0 0.0	0	0.0	5	2.4 1.7	116 35	6.4 1.9
C82-85	Non Hodgkins	14	8.0	50	3.8	1	10.0	0	0.0	12	4.1	35 77	1.9 4.3
C82-85	Multiple Myeloma	14	0.6	50 7	0.5	0	0.0	0	0.0	12	0.3	9	4.3 0.5
C90 C91	Lymphoid Leukemia	29	16.5	16	1.2	0	0.0	0	0.0	3	1.0	48	0.5 2.7
C91	Myeloid Leukemia	11	6.3	26	2.0	0	0.0	0	0.0	8	2.7	45	2.7
C92-95	Oth.Leukemia	4	2.3	20 1	0.1	0	0.0	0	0.0	0	0.0	45 5	0.3
		-		-						_			
Total	All Sites	176	100.0	1326	100.0	10	100.0	1	100.0	292	100.0	1805	100.0



Table 16: Incident Cases of Cancer by Marital Status and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Female

ICD10	Site	Unm	arried	Mar	ried	Wido	owed	Div	& Sep.	Not K	nown	Tota	al
		N	%	N	%	N	%	N	%	N	%	N	%
C00	Lip	0	0.0	3	0.2	0	0.0	0	0.0	2	0.7	5	0.3
C01-02	Tongue	0	0.0	30	2.2	1	1.9	0	0.0	9	3.4	40	2.3
C03	Gum	0	0.0	5	0.4	1	1.9	0	0.0	2	0.7	8	0.5
C04-06	Other Mouth	0	0.0	41	3.0	3	5.7	0	0.0	6	2.2	50	2.8
C07-08	Salivary gland	0	0.0	3	0.2	0	0.0	0	0.0	2	0.7	5	0.3
C09-10	Oropharynx	0	0.0	6	0.4	0	0.0	0	0.0	1	0.4	7	0.4
C11	Nasopharynx	2	2.0	4	0.3	0	0.0	0	0.0	1	0.4	7	0.4
C12-13	Hypopharynx	0	0.0	21	1.6	2	3.8	0	0.0	6	2.2	29	1.6
C14	Other Oral	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
C15	Oesophagus	3	3.0	63	4.7	7	13.2	1	100.0	13	4.9	87	4.9
C16	Stomach	0	0.0	14	1.0	0	0.0	0	0.0	1	0.4	15	0.8
C17	Small Intenstine	1	1.0	1	0.1	0	0.0	0	0.0	0	0.0	2	0.1
C18	Colon	1	1.0	12	0.9	0	0.0	0	0.0	6	2.2	19	1.1
C19-21	Rectum	0	0.0	22	1.6	0	0.0	0	0.0	5	1.9	27	1.5
C22	Liver	0	0.0	23	1.7	0	0.0	0	0.0	5	1.9	28	1.6
C23-24	Gall bladder,bile	0	0.0	8	0.6	0	0.0	0	0.0	1	0.4	9	0.5
C25	Pancreas	0	0.0	4	0.3	0	0.0	0	0.0	2	0.7	6	0.3
C26	Other Dig.Organs	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	1	0.1
C30-31	Nose, Sinuses	0	0.0	11	0.8	0	0.0	0	0.0	1	0.4	12	0.7
C32	Larynx	1	1.0	3	0.2	0	0.0	0	0.0	1	0.4	5	0.3
C33-34	Lung	5	5.1	35	2.6	0	0.0	0	0.0	0	0.0	40	2.3
C38	Med.Plura	3	3.0	12	0.9	0	0.0	0	0.0	4	1.5	19	1.1
C40-41	Bone	10	10.1	10	0.7	0	0.0	0	0.0	4	1.5	24	1.4
C43	Skin Melanoma	0	0.0	0	0.0	1	1.9	0	0.0	1	0.4	2	0.1
C44	Skin Other	1	1.0	16	1.2	1	1.9	0	0.0	3	1.1	21	1.2
C45	Mesothelioma	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
C47	Nervous System	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
C48	Retroperitonium	0	0.0	3	0.2	0	0.0	0	0.0	1	0.4	4	0.2
C49	Conn & Soft tissue	1	1.0	15	1.1	0	0.0	0	0.0	4	1.5	20	1.1
C50	Breast	3	3.0	356	26.4	11	20.8	0	0.0	59	22.1	429	24.3
C51-52,57,58	Oth.Fem.Gen.Organs	1	1.0	17	1.3	0	0.0	0	0.0	1	0.4	19	1.1
C53	Cervix Uteri	1	1.0	320	23.7	18	34.0	0	0.0	62	23.2	401	22.7
C54	Corpus Uteri	1	1.0	29	2.1	1	1.9	0	0.0	7	2.6	38	2.1
C55	Uterus	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	1	0.1
C56	Ovary	10	10.1	59	4.4	0	0.0	0	0.0	13	4.9	82	4.6
C64-65	Kidney	6	6.1	2	0.1	0	0.0	0	0.0	3	1.1	11	0.6
C66-68	Urinary Bladder	0	0.0	7	0.5	1	1.9	0	0.0	2	0.7	10	0.6
C69	Eye	6	6.1	0	0.0	0	0.0	0	0.0	2	0.7	8	0.5
C70-72	Brain	10	10.1	21	1.6	1	1.9	0	0.0	6	2.2	38	2.1
C73	Thyroid	4	4.0	11	0.8	2	3.8	0	0.0	4	1.5	21	1.2
C74-75	Other Endocrine	1	1.0	2	0.1	0	0.0	0	0.0	1	0.4	4	0.2
C76	Oth.III Def.	0	0.0	1	0.1	0	0.0	0	0.0	1	0.4	2	0.1
C77	Lymph nodes	0	0.0	5	0.4	0	0.0	0	0.0	1	0.4	6	0.3
C78	Sec.Resp.	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.1
C80	Unk.Prim	6	6.1	60	4.4	1	1.9	0	0.0	6	2.2	73	4.1
C81	Hodgkins	0	0.0	4	0.3	1	1.9	0	0.0	2	0.7	7	0.4
C82-85	Non Hodgkins	5	5.1	23	1.7	1	1.9	0	0.0	6	2.2	35	2.0
C90	Multiple Myeloma	0	0.0	9	0.7	0	0.0	0	0.0	0	0.0	9	0.5
C91	Lymphoid Leukemia	11	11.1	13	1.0	0	0.0	0	0.0	2	0.7	26	1.5
C92	Myeloid Leukemia	5	5.1	34	2.5	0	0.0	0	0.0	7	2.6	46	2.6
C93-95	Oth.Leukemia	1	1.0	5	0.4	0	0.0	0	0.0	0	0.0	6	0.3
Total	All Sites	99	100.0	1349	100.0	53	100.0	1	100.0	267	100.0	1769	100.0



Table 17: Incident Cases of Cancer by Education and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Male.

ICD10	Site	Illite	erate	Prin	nary	Mid-	-Sec	College	& Above	Oth	ers	To	tal
		N	%	N	%	N	%	N	%	N	%	N	%
C00	Lip	2	0.4	1	0.2	1	0.2	0	0.0	0	0.0	4	0.2
C01-02	Tongue	36	6.5	32	5.0	22	5.1	0	0.0	7	5.7	97	5.4
C03	Gum	7	1.3	3	0.5	4	0.9	1	1.8	2	1.6	17	0.9
C04-06	Other Mouth	33	6.0	26	4.0	32	7.4	0	0.0	3	2.4	94	5.2
C07-08	Salivary gland	2	0.4	7	1.1	3	0.7	1	1.8	0	0.0	13	0.7
C09-10	Oropharynx	22	4.0	18	2.8	14	3.3	0	0.0	0	0.0	54	3.0
C11	Nasopharynx	4	0.7	3	0.5	4	0.9	0	0.0	0	0.0	11	0.6
C12-13	Hypopharynx	47	8.5	44	6.8	29	6.7	1	1.8	9	7.3	130	7.2
C14	Other Oral	6	1.1	4	0.6	1	0.2	0	0.0	0	0.0	11	0.6
C15	Oesophagus	51	9.3	57	8.9	37	8.6	4	7.0	4	3.3	153	8.5
C16	Stomach	18	3.3	15	2.3	9	2.1	1	1.8	1	0.8	44	2.4
C17	Small Intenstine	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	1	0.1
C18	Colon	8	1.5	16	2.5	14	3.3	2	3.5	1	0.8	41	2.3
C19-21	Rectum	14	2.5	13	2.0	19	4.4	1	1.8	4	3.3	51	2.8
C22	Liver	17	3.1	39	6.1	10	2.3	1	1.8	7	5.7	74	4.1
C23-24	Gall bladder,bile	4	0.7	3	0.5	0	0.0	0	0.0	0	0.0	7	0.4
C25	Pancreas	2	0.4	3	0.5	3	0.7	0	0.0	1	0.8	9	0.5
C30-31	Nose,Sinuses	4	0.7	2	0.3	4	0.9	1	1.8	0	0.0	11	0.6
C32	Larynx	34	6.2	34	5.3	27	6.3	4	7.0	4	3.3	103	5.7
C33-34	Lung	40	7.3	64	9.9	32	7.4	2	3.5	10	8.1	148	8.2
C38	Med.Plura	3	0.5	15	2.3	3	0.7	1	1.8	0	0.0	22	1.2
C40-41	Bone	12	2.2	15	2.3	14	3.3	3	5.3	3	2.4	47	2.6
C43	Skin Melanoma	2	0.4	2	0.3	2	0.5	1	1.8	0	0.0	7	0.4
C44	Skin Other	21	3.8	17	2.6	16	3.7	1	1.8	1	8.0	56	3.1
C45	Mesothelioma	0	0.0	0	0.0	0	0.0	0	0.0	1	8.0	1	0.1
C48	Retroperitonium	1	0.2	0	0.0	3	0.7	0	0.0	0	0.0	4	0.2
C49	Conn & Soft tissue	1	0.2	4	0.6	6	1.4	0	0.0	3	2.4	14	0.8
C50	Breast	4	0.7	3	0.5	3	0.7	2	3.5	1	0.8	13	0.7
C60	Penis	9	1.6	3	0.5	5	1.2	0	0.0	2	1.6	19	1.1
C61	Prostate	15	2.7	10	1.6	8	1.9	3	5.3	0	0.0	36	2.0
C62	Testis	4	0.7	7	1.1	11	2.6	1	1.8	2	1.6	25	1.4
C64-65	Kidney	8	1.5	3	0.5	6	1.4	1	1.8	4	3.3	22	1.2
C66-68	Urinary Bladder	11	2.0	7	1.1	5	1.2	3	5.3	0	0.0	26	1.4
C69	Eye	3	0.5	2	0.3	1	0.2	0	0.0	5	4.1	11	0.6
C70-72	Brain	13	2.4	18	2.8	11	2.6	4	7.0	14	11.4	60	3.3
C73	Thyroid	3	0.5	1	0.2	3	0.7	2	3.5	3	2.4	12	0.7
C74-75	Other Endocrine	0	0.0	0	0.0	2	0.5	0	0.0	1	8.0	3	0.2
C76	Oth.III Def.	4	0.7	1	0.2	0	0.0	0	0.0	0	0.0	5	0.3
C77	Lymph nodes	1	0.2	6	0.9	2	0.5	0	0.0	0	0.0	9	0.5
C78	Sec.Resp.	1	0.2	3	0.5	1	0.2	0	0.0	0	0.0	5	0.3
C80	Unk.Prim	23	4.2	73	11.3	16	3.7	1	1.8	3	2.4	116	6.4
C81	Hodgkins	12	2.2	11	1.7	8	1.9	1	1.8	3	2.4	35	1.9
C82-85	Non Hodgkins	20	3.6	24	3.7	15	3.5	7	12.3	11	8.9	77	4.3
C90	Multiple Myeloma	2	0.4	3	0.5	1	0.2	2	3.5	1	0.8	9	0.5
C91	Lymphoid Leukemia	16	2.9	18	2.8	6	1.4	1	1.8	7	5.7	48	2.7
C92	Myeloid Leukemia	10	1.8	11	1.7	15	3.5	4	7.0	5	4.1	45	2.5
C93-95	Oth.Leukemia	1	0.2	3	0.5	1	0.2	0	0.0	0	0.0	5	0.3
Total	All Sites	551	100.0	644	100.0	430	100.0	57	100.0	123	100.0	1805	100.0



Table 18: Incident Cases of Cancer by Education and Site (ICD-10) with Percentages, Aurangabad, 1995-2004, Female

ICD10	Site	Illite	rate	Prir	nary	Mic	1+Sec	College	& Above	Ot	hers	То	tal
		N	%	N	%	N	%	N	%	N	%	N	%
C00	Lip	3	0.3	0	0.0	1	0.5	0	0.0	1	1.1	5	0.3
C01-02	Tongue	24	2.3	8	1.8	7	3.8	0	0.0	1	1.1	40	2.3
C03	Gum	6	0.6	2	0.4	0	0.0	0	0.0	0	0.0	8	0.5
C04-06	Other Mouth	41	4.0	6	1.3	1	0.5	0	0.0	2	2.2	50	2.8
C07-08	Salivary gland	5	0.5	0	0.0	0	0.0	0	0.0	0	0.0	5	0.3
C09-10	Oropharynx	6	0.6	0	0.0	1	0.5	0	0.0	0	0.0	7	0.4
C11	Nasopharynx	3	0.3	2	0.4	2	1.1	0	0.0	0	0.0	7	0.4
C12-13	Hypopharynx	20	1.9	6	1.3	1	0.5	0	0.0	2	2.2	29	1.6
C14	Other Oral	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
C15	Oesophagus	57	5.5	19	4.2	10	5.5	0	0.0	1	1.1	87	4.9
C16	Stomach	8	0.8	4	0.9	2	1.1	0	0.0	1	1.1	15	0.8
C17	Small Intenstine	1	0.1	1	0.2	0	0.0	0	0.0	0	0.0	2	0.1
C18	Colon	8	0.8	6	1.3	3	1.6	0	0.0	2	2.2	19	1.1
C19-21	Rectum	14	1.4	10	2.2	1	0.5	0	0.0	2	2.2	27	1.5
C22	Liver	16	1.6	7	1.5	2	1.1	0	0.0	3	3.4	28	1.6
C23-24	Gall bladder,bile	7	0.7	1	0.2	0	0.0	0	0.0	1	1.1	9	0.5
C25	Pancreas	2	0.2	2	0.4	1	0.5	1	7.7	0	0.0	6	0.3
C26	Other Dig.Organs	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
C30-31	Nose, Sinuses	7	0.7	4	0.9	1	0.5	0	0.0	0	0.0	12	0.7
C32	Larynx	2	0.2	1	0.2	2	1.1	0	0.0	0	0.0	5	0.3
C33-34	Lung	13	1.3	21	4.6	0	0.0	1	7.7	5	5.6	40	2.3
C38	Med.Plura	8	0.8	10	2.2	1	0.5	0	0.0	0	0.0	19	1.1
C40-41	Bone	12	1.2	2	0.4	6	3.3	0	0.0	4	4.5	24	1.4
C43	Skin Melanoma	2	0.2	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
C44	Skin Other	15	1.5	2	0.4	1	0.5	0	0.0	3	3.4	21	1.2
C45	Mesothelioma	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0	1	0.1
C47	Nervous System	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
C48	Retroperitonium	2	0.2	1	0.2	1	0.5	0	0.0	0	0.0	4	0.2
C49	Conn & Soft tissue	11	1.1	6	1.3	1	0.5	0	0.0	2	2.2	20	1.1
C50	Breast	244	23.7	113	24.8	52	28.4	7	53.8	13	14.6	429	24.3
C51-52,57,58	Oth.Fem.Gen.Organs	13	1.3	2	0.4	4	2.2	0	0.0	0	0.0	19	1.1
C53	Cervix Uteri	296	28.8	73	16.0	25	13.7	2	15.4	5	5.6	401	22.7
C54	Corpus Uteri	20	1.9	7	1.5	8	4.4	0	0.0	3	3.4	38	2.1
C55	Uterus	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
C56	Ovary	50	4.9	21	4.6	8	4.4	0	0.0	3	3.4	82	4.6
C64-65	Kidney	2	0.2	3	0.7	2	1.1	0	0.0	4	4.5	11	0.6
C66-68	Urinary Bladder	7	0.7	3	0.7	0	0.0	0	0.0	0	0.0	10	0.6
C69	Eye	2	0.2	1	0.2	2	1.1	0	0.0	3	3.4	8	0.5
C70-72	Brain	11	1.1	13	2.9	7	3.8	1	7.7	6	6.7	38	2.1
C73	Thyroid	11	1.1	5	1.1	4	2.2	0	0.0	1	1.1	21	1.2
C74-75	Other Endocrine	1	0.1	0	0.0	2	1.1	0	0.0	1	1.1	4	0.2
C76	Oth.III Def.	1	0.1	0	0.0	1	0.5	0	0.0	0	0.0	2	0.1
C77	Lymph nodes	3	0.3	3	0.7	0	0.0	0	0.0	0	0.0	6	0.3
C78	Sec.Resp.	1	0.1	1	0.2	0	0.0	0	0.0	0	0.0	2	0.1
C80	Unk.Prim	19	1.8	46	10.1	2	1.1	0	0.0	6	6.7	73	4.1
C81	Hodgkins	3	0.3	3	0.7	1	0.5	0	0.0	0	0.0	7	0.4
C82-85	Non Hodgkins	13	1.3	11	2.4	5	2.7	1	7.7	5	5.6	35	2.0
C90	Multiple Myeloma	4	0.4	2	0.4	2	1.1	0	0.0	1	1.1	9	0.5
C91	Lymphoid Leukemia	14	1.4	6	1.3	3	1.6	0	0.0	3	3.4	26	1.5
C92	Myeloid Leukemia	15	1.5	18	4.0	8	4.4	0	0.0	5	5.6	46	2.6
C93-95	Oth.Leukemia	2	0.2	3	0.7	1	0.5	0	0.0	0	0.0	6	0.3
Total	All Sites	1029	100.0	455	100.0	183	100.0	13	100.0	89	100.0	1769	100.0



Table 19: Number of incident cases of Cancer by Primary Histology (ICDO-3) and Sex with Percentages, 1995-2004, Aurangabad

	Morphology	N	%	N	%	N	%
800	Malignant Neoplasm, NOS	352	24.0	244	15.9	596	19.9
801-804	Malignant Epithelial Neoplasms, NOS	45	3.1	20	1.3	65	2.2
805-808	Squamous Cell Neoplasm	781	53.2	677	44.1	1458	48.6
809-811	Basal Cell Neoplasms	1	0.1	3	0.2	4	0.1
812-813	Transitional Cell Carcinomas	13	0.9	7	0.5	20	0.7
814-838	Adenocarcinomas	220	15.0	166	10.8	386	12.9
839-842	Skin Appendage Neoplasms	0	0.0	2	0.1	2	0.1
843	Mucoepidermoid Neoplasms	2	0.1	1	0.1	3	0.1
844-849	Cystic, Mucinous and Serous Neoplasms	10	0.7	19	1.2	29	1.0
850-854	Ductal and Lobular Neoplasms	12	0.8	406	26.5	418	13.9
856-857	Complex Epithelial Neoplasms	0	0.0	2	0.1	2	0.1
859-867	Specialised Gonadal Neoplasms	0	0.0	1	0.1	1	0.0
872-879	Nevi and Melanomas	7	0.5	4	0.3	11	0.4
880	Soft Tissue Tumours and Sarcomas, NOS	16	1.1	10	0.7	26	0.9
881-883	Fibromatous Neoplasms	6	0.4	7	0.5	13	0.4
885-888	Lipomatous Neoplasms	2	0.1	3	0.2	5	0.2
889-892	Myomatous Neoplasms	5	0.3	4	0.3	9	0.3
893-899	Complex mixed and Stromal Neoplasms	4	0.3	4	0.3	8	0.3
904	Synovial Neoplasms	1	0.1	0	0.0	1	0.0
905	Mesothelial Neoplasms	1	0.1	1	0.1	2	0.1
906-909	Germ Cell Neoplasms	17	1.2	4	0.3	21	0.7
910	Trophoblasic Neoplasms	1	0.1	1	0.1	2	0.1
918-924	Osseous and Chondromatous Neoplasms	17	1.2	5	0.3	22	0.7
925	Giant cell Tumours	1	0.1	0	0.0	1	0.0
926	Miscellaneous Bone Tumours	8	0.5	3	0.2	11	0.4
927-934	Odontogenic Tumours	1	0.1	2	0.1	3	0.1
935-937	Miscellaneous Tumours	0	0.0	2	0.1	2	0.1
938-948	Gliomas	52	3.5	35	2.3	87	2.9
949-952	Neuroepitheliomatous Neoplasms	11	0.7	5	0.3	16	0.5
954-957	Nerve Sheath Tumours	0	0.0	2	0.1	2	0.1
959	Malignant Lymphomas, NOS or Diffuse	77	5.2	35	2.3	112	3.7
965-966	Hodgkin's Lymphoma	35	2.4	7	0.5	42	1.4
973	Plasma Cell Tumours	9	0.6	9	0.6	18	0.6
980-994	Leukaemias	98	6.7	78	5.1	176	5.9
Total		1467	100.0	1534	100.0	3001	100.0



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