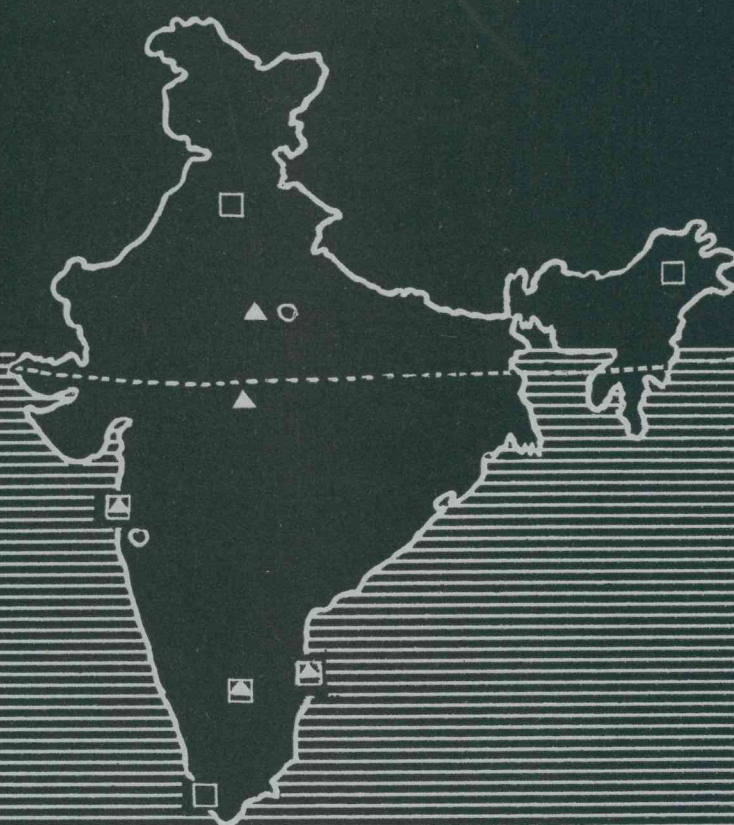




ANNUAL REPORT 1986



NATIONAL CANCER REGISTRY

A PROJECT OF

INDIAN COUNCIL OF MEDICAL RESEARCH

ANSARI NAGAR, NEW DELHI-110 029

ANNUAL REPORT 1986



NATIONAL CANCER REGISTRY

A PROJECT OF THE INDIAN COUNCIL OF MEDICAL RESEARCH
ANSARI NAGAR, NEW DELHI - 110029

JANUARY, 1989

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ANNUAL REPORT 1988

The Consolidated Report was prepared by the Technical Wing of the Coordinating Unit,
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(A project of the Indian Council of Medical Research)

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PREFACE

I am delighted to introduce the fifth Annual Report of the National Cancer Registry Project (NCRP) which presents the 1986 data. The NCRP was initiated by the Indian Council of Medical Research in 1981-82 by augmenting/establishing three Population-Based Cancer Registries (PBCR) one each at Bombay, Bangalore and Madras, three Hospital Cancer Registries (HCR) at Chandigarh, Dibrugarh and Trivandrum and a Co-ordinating Unit with an Operational and a Technical Wing. The overall objectives of the NCRP are :

1. to generate reliable data on the magnitude of the cancer problem, - from the population-based registries;
2. to generate authentic data on cancer patient care parameters including diagnosis and extent of disease, treatment and outcome, follow-up and survival for clinical epidemiology studies and other relative frequency data, - from the hospital cancer registries;
3. to undertake other epidemiological investigations and to evaluate cancer control measures; and
4. to develop human resources in cancer epidemiology.

The National Cancer Registry Project has expanded over the years. It now consists of twelve registries collecting data on cancer. There are six hospital cancer registries and six are population-based. Locations of the six hospital cancer registries are Chandigarh, Dibrugarh, Trivandrum, Bangalore, Bombay, Madras - the first three collecting data in general hospitals from 1982, the last three in cancer centres from 1984. Five of the six PBCRs are urban-based; - in Bombay since 1964, Bangalore and Madras since 1982; and Bhopal and Delhi from 1986. The sixth is rural based in Barsi, in Solapur District of Maharashtra State.

The Steering Committee has both national and international experts, (WHO consultants) who review and monitor the functioning of the entire project. This year saw the induction of two new members of the Steering Committee - Dr. N.C. Mishra, Prof. of Surgery, K.G. Medical College, Lucknow, and Prof. P.S.S. Sundar Rao, Prof. of Biostatistics, Christian Medical College, Vellore. We look forward to their ideas and contribution in the working of NCRP. Many thanks to Dr. I.K. Dhawan who served the Steering Committee from 1985.

As the registry project has grown, so have the material to be presented at its Annual Meetings and in the consolidated report. It was felt therefore that in alternate years, the focus of the meeting and the report should be on the hospital or on the population registries. This year's report focuses therefore on hospital cancer registry data from the six HCRs with a brief chapter on the PBCRs. Tables in Part II are from the HCRs only.

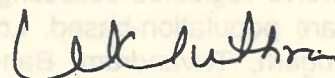
The Hospital Cancer Registries show that patients registered in the six HCRs in 1986 were 30,871, which was an increase from 29,619 in 1985 and 27,057 in 1984. Of these around 23,000 cases in 1986 were from the three cancer centre HCRs and nearly 8,000 from the general hospital HCRs. This year, analysis of head and neck tobacco-related cancers by the 4th digit of the ICD9 for the first time has revealed that pharyngeal cancers have the highest relative frequency in males except in Trivandrum where oral cavity leads. Cervix remains the leading cancer in women. It is followed by breast in Bombay, Chandigarh, Madras and Trivandrum, but by cancers of oral cavity in Bangalore and pharynx in Dibrugarh. The large majority of cancers are regionally spread at first diagnosis. Analysis of treatment data has shown that, while localised cancers are mostly treated, large proportions of regionally spread cancers go untreated. Reasons for this need elucidating.

Population-based cancer registry data in this report shows that the age-adjusted incidence rates for 1986 were respectively, 107, 118.9, and 116 for males in Bangalore, Bombay and Madras. For females they were 129.4 in Bangalore, 115.2 in Bombay, and 144.3 in Madras. Data for Bhopal and Delhi are as yet provisional. Rural cancer registry data are not yet available for publication.

The Inter registry Panel of Pathologists has recently begun to study a single year's data from the NCRP for a specific cancer. This year's report includes information on histologic types of cervical cancer in India from the registry centres for the first time.

Automation and expansion in the registries has been a recurring topic for discussion. While most registries are automated, a clear need to convert from the existing CPM to the more widely accepted MS-DOS system has been indicated. This will be done in a phased manner.

Information from the NCRP has provided support to the National Cancer Control Programme and the various State Cancer Control Programmes. Annual Review Meetings including the various WHO experts - Profs. M. Hakama and T. Hirayama, the Steering Committee members, the various Project Chiefs and registry staff, Technical Wing and Operational Wing staff contribute to better communication and functioning among all. I thank them all, and Dr. L.D. Sanghvi, Project Consultant, for their cooperation and support in making the NCRP possible.



USHA K. LUTHRA
ADDL. DIRECTOR-GENERAL
ICMR

PART I

CONSOLIDATED REPORT

Chapter 1 Introduction

2-5 Hospital Data

6 Population Data

PART I
CONSOLIDATED REPORT

The fundamental objective in science is maximum economy in the accurate description of nature.

- E.A. MURPHY. 1976

Chapter 1 Introduction
2-5 Hospital Data
6 Population Data

1. INTRODUCTION

The National Cancer Registry, a Project of the Indian Council of Medical Research (ICMR), was initiated in February 1980 when the ICMR formulated its expanded programme in cancer research. From 1982, ICMR supported the existing Bombay Cancer Registry founded in 1963 by the Indian Cancer Society, and established two new population-based cancer registries at Bangalore and Madras. Criteria for selecting the latter two centres were their ability to coordinate a population-based cancer registry system around a hospital medical records department in operation for several years. Simultaneously three hospital registries were organised in places of special epidemiological interest. These were the PostGraduate Institute of Medical Education & Research, Chandigarh; Assam Medical College, Dibrugarh; and Regional Cancer Centre/Medical College, Trivandrum. A Coordinating Unit with Operational Wing in Delhi and Technical Wing in Bombay was also set up to liaise the various activities of these registries. A Steering Committee was constituted to monitor the progress of the registry programme. WHO consultants were invited to advise the Coordinating Unit and the ICMR by visiting the registries and participating in the annual review meeting and in other ways. Necessary staff to run the registries efficiently was sanctioned by the ICMR. Ongoing programmes for their training and continuing education were developed. Registry Chiefs with senior staff members of the coordinating unit, steering committee and WHO consultants meet annually to review the project and its progress.

The registries started uniform collection of minimum data using a pre-designed proforma from 1st January, 1982. Separate proformas for population-based and hospital registries were adopted from January 1, 1984. Three more hospital registries in the base hospitals of the population registries at Kidwai Memorial Institute of Oncology, Bangalore; Tata Memorial Hospital, Bombay; and Cancer Institute, Madras - were supported and started uniform data collection from January 1, 1984. Two new population-based cancer registries were established to collect data from January 1, 1986; - at Institute Rotary Cancer Hospital, New Delhi and at Gandhi Medical College, Bhopal. The registry at Bhopal is a special cancer registry set up in the aftermath of the MIC gas tragedy in December, 1984. A rural population-based cancer registry at Barsi in Sholapur District of Maharashtra State started collecting data from July, 1987 to study the incidence of cancer in a rural population of the country. The present report does not include the data of this registry. The map on page - shows the location of these 12 registries and the Coordinating Unit.

Cancer Registration and Cancer Control

The broad purpose of cancer registration is to assess the load of malignancies in the community. Hospital and population-based cancer registries complement each other and consequently have common areas with differing emphasis in organisation, operation & areas of possible research. In the short-term, this Project aims to provide reliable data on incidence and mortality rates of cancers according to sex, age, ethnicity, language, cultural subgroups etc; on the types of cancer diagnosed in a hospital; stage of the disease when patients are diagnosed, treatment patterns, and outcome. The long-term objective, however, is to provide a research base for a National Cancer Control Programme, viz. (i) primary prevention, (ii) early detection, (iii) effective treatment (iv) survival rates (v) health care infrastructure and to monitor and evaluate such a programme. These registries are active so that registry staff regularly go to original sources and interview cancer patients whenever necessary to elicit desired information. The information from both population & hospital registries is collected on a standard proforma.

All registries are required to report all malignant neoplasms as defined in the ICD-O and ICD-9. Each registry is required to consolidate all data concerning an individual cancer case, with the exception of duplicate information, into one abstract. The abstracted data on all the cancer patients are sent to the Technical Wings by the PBCRs and HCRs. The data so received are scrutinised for internal consistency, legitimate data codes, subjected to strict quality control checks, processed and tabulated, using a microcomputer.

Population-based registries mainly assess the magnitude of cancer in the community and some aspects of epidemiology by providing both denominators and numerators although numerators are of poorer quality than in hospital registries. Patients are registered from the main cancer hospital, other general hospitals, and private nursing homes. Death certificates are also scrutinised. Each registry is required to register all cancer patients resident in the area, and record all death certificates wherein cancer is mentioned of residents dying within or outside the area. "Resident" is defined as a person continuously living in the defined geographic area for one year or more.

Hospital registries primarily assess cancer patient care in hospitals, and help evaluate treatment. Their data has high quality numerators but unknown denominators, and are valuable from a clinical epidemiology perspective. The data are limited by selection bias of patients who attend a certain hospital, and the relative frequencies that result do not represent all the cancer in a geographical region. Data focus on diagnostic procedures, extent of disease, treatment modalities, follow-up, and patient outcome in addition to demographic information.

Cost of Registration

The Indian Council of Medical Research provides a basic budget to the registries for staff, contingencies, and equipment. Infrastructural facilities and services are provided by the institutions where the registries are located. The grants vary from registry to registry.

The cost of registering each PBCR case currently is about Rs 120 in Bangalore, Rs.70 in Bombay and Rs.90 in Madras. The cost per HCR case is about Rs. 92 in Chandigarh, Rs. 184 in Dibrugarh and Rs. 62 in Trivandrum, and only about Rs.11 in Bangalore, Rs. 7 in Bombay and Rs. 14 in Madras.

Present Report

This is the fifth Annual Consolidated Report of the National Cancer Registry Project. The data to be organized and presented has increased as the registry has grown. Therefore, it was decided to have an alternating focus for each year's report - hospital registries one year and population registries, the next. Accordingly the focus of this year's report is the hospital registry data, which Dr. S. Krishnamurthy describes in chapters 2 to 5 of Part I with criticisms & comments from Dr. L. D. Sanghvi. The chapter on the population data is prepared by Mr. D.K. Jain. Part II presents detailed tabulations of the HCR data of all the registries.

There is greater awareness, today, of the predominance of tobacco-related head and neck cancers in our country and the need to understand their epidemiology better for prevention and control. It has become clear therefore, that the existing classification of these cancers by the ICD9 3-digit code, as done so far, is not satisfactory, since the 3-digit code does not permit classification with anatomic and biologic accuracy as defined by the UICC. This year, for the first time, detailed tabulation by the ICD9 4-digit rubric of cleaned data on head & neck cancers have been provided, and clinical epidemiologic parameters of these cancer patients analysed according to 4th digit classification.

Another first this year is the presentation of data on histologic types of a cancer. This is the second year that the InterRegistry Panel of Pathologists affiliated with each registry have studied slides of representative cases of a particular cancer from the entire registry. Data of histologic types of cancer cervix in the 1985 data is presented in this report in the chapter on Breast & Cervical Cancers.

This year saw several changes in the Technical Wing. The statistician Mr. D.K. Jain responsible for data cleaning and tabulation until May-June, 1988 moved to New Delhi on 22 June 1988, and the statistical assistant Ms. Joshi left in July 1988 for training in the U.S. New computer programmes to clean and organize the data had to be developed afresh as of June 1988. Much of the commitment, dedication and hard work required for this major task was put in by Ms. C. Stewart, Ms. V Krishnan and Dr. S. Krishnamurthy who guided and directed them. Further, the typing and artwork needed to make this report a reality was done by Mss. Krishnan, Stewart, and by Messrs. Gujarathi & Chavan under Dr. Krishnamurthy's direction. The chapters on the HCR data in Part I and tabulations in Part II of this report are therefore truly the result of team work at the Technical Wing in Tata Memorial Hospital, Bombay.

L.D. Sanghvi
Consultant, NCRP

2. THE HOSPITAL CANCER REGISTRY PATIENTS

This chapter provides a profile of the number of patients in the HCRs over the years, their age, gender, and a ranking of the most frequent cancers in each registry. Its objective is to provide the context for the analyses in the subsequent three chapters, of diagnosis, cancer extent, treatment and condition at discharge of all cancer patients, and the leading cancers in each gender group.

2.1 NUMBER OF CASES REGISTERED

The number of cases registered in each hospital cancer registry from 1984 to 1986 are shown in Table 2.1. In general, more cancer cases-about 4,500 to 12,500 - are registered

**Table - 2.1 Number of Patients Registered - All Cancers
HCRs, 1984 to 1986**

Registry Type & Place		1984	1985	1986	Cumulative 1984 to 1986
GENERAL HOSPITAL REGISTRIES					
Chandigarh	Male	1206	1143	1090	3439
	Female	1220	1285	1325	3830
	Sub Total	2426	2428	2415	7269
Dibrugarh	Male	863	856	928	2647
	Female	335	355	385	1075
	Sub Total	1198	1211	1313	3722
Trivandrum	Male	2097	2067	2297	6461
	Female	1755	1790	1935	5480
	Sub Total	3852	3857	4232	11941
CANCER CENTRE REGISTRIES					
Bangalore	Male	2260	2757	2874	7891
	Female	2733	3020	3152	8905
	Sub Total	4993	5777	6026	16796
Bombay	Male	5744	6537	6939	19220
	Female	4871	5465	5508	15844
	Sub Total	10615	12002	12447	35064
Madras	Male	1807	1985	2046	5838
	Female	2166	2359	2408	6933
	Sub Total	3973	4344	4454	12771

at cancer-centre registries (Bangalore, Bombay, Madras) than in the largely general hospital registries (Chandigarh, Dibrugarh, Trivandrum) where around 1200 to 4500 cases are included. These two groups of registries show differences in number of cancer patients registered, in treatment patterns and in outcome at discharge. Trivandrum alone shows a tendency towards the cancer-centre-based registries as expected by its location in the

Regional Cancer Centre (although its case material is derived from the Medical College Hospital and other Hospitals under its aegis, as well). Generally, there is a continuous increase in the number of cancer cases registered from 1984 to 1986 in all the registries except Chandigarh where there is a slight decline in male registrations.

2.2 GENDER & AGE (See Tables 2.1, 2.2a and b, and Fig. 2.2)

Females slightly outnumber males in Bangalore, Chandigarh and Madras, and males exceed females marginally, in Bombay and Trivandrum. Males markedly exceed females in Dibrugarh. Thus, in the HCR dataset as a whole, (see Table 2.2b) there is a small excess of males over females, with male:female ratios of 1:1 from 1984 to 1986. Female preponderance of registered patients is due to high frequencies of cervical cancer in Bangalore, Chandigarh and Madras.

Figure 2.2 MALE:FEMALE RATIO OF ALL CANCER PATIENTS
Hospital Cancer Registries, 1984-86

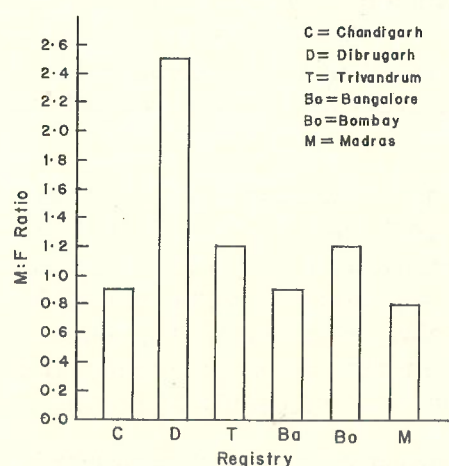


Table - 2.2a Male:Female Ratios - HCRs, 1984 to 1986

Registry	1984	1985	1986	Cumulative 1984 to 1986
Chandigarh	1.0	0.9	0.8	0.9
Dibrugarh	2.6	2.4	2.4	2.5
Trivandrum	1.2	1.1	1.2	1.2
Bangalore	0.8	0.9	0.9	0.9
Bombay	1.2	1.2	1.3	1.2
Madras	0.8	0.8	0.9	0.8

Table - 2.2 b Total Number Patients & Male:Female Ratios
HCRs, Cumulative 1984 to 1986

	General Hospital Registries	Cancer Centre Registries	Overall
Male	12,547	32,949	45,653
Female	10,385	31,682	42,229
Total	22,932	64,631	87,882
Male:Female	1.2	1.0	1.1

Median ages of registered patients have uniformly been around 50-54 or 55-59 years in men and about five years earlier, in women.

Sources of Registration as documented by the registries are of value only in the general hospital registries where patients with many other diseases besides cancer are admitted so that identifying cancer patient sources is important. In contrast cancer centres by definition largely admit patients suspected to have cancer and identifying sources of patients may be of less value. Within each registry, sources of male/female registrations do not vary much. Neither are annual variations marked over the years from 1984. As expected radiotherapy departments provide the bulk of registrations, followed by surgical departments. Interestingly, pathology departments are not apparently a major source of case material.

2.3 LEADING CANCERS IN THE HOSPITAL REGISTRY PATIENTS

The 1986 data has been tabulated in Part II of this report, both according to the ICD9 three-digit rubric and for the upper aerodigestive tract cancer sites according to the 4th digit of the ICD9 code. Studies since many years in this part of the world have shown* that upper aerodigestive tract cancers are the most common in frequency and in incidence in men, and among the major cancers in women. The UICC definition for these tobacco-related cancer sites of the head and neck are as follows : Oral Cavity includes all structures in the mouth, the mucosa of the lip, anterior two-thirds of the tongue, but excludes the base (posterior two-thirds) tongue, soft palate and uvula which are biologically related to the oropharynx (see Fig 5.1).

The base tongue, soft palate and uvula are coded only to 4th digit subcodes of the main ICD9 3-digit codes. Since base tongue belongs biologically to the oropharynx, to assess the true frequency of oral vs pharyngeal vs other cancers, 4th digit subclassification is necessary. Although done in a limited way for the first NCRP report, for practical purposes it has not been available till now. In assessing the relative frequency of oral cavity and pharyngeal cancers, in this report, they are therefore defined according to the 4th digit rubric of ICD9 codes for the anatomic locations contributing to the oral cavity and the oropharynx.

Table 2.3.1 : Comparison of Ranking When Sites Classified by ICD9-3 - Digit or 4 - Digit Code

3 - Digit	Registry	4 - Digit
1. Lung 2. Tongue 3. Esophagus	CHANDIGARH	1. Pharynx 2. Lung 3. Esophagus
1. Esophagus 2. Hypopharynx 3. Oropharynx	DIBRUGARH	1. Pharynx 2. Esophagus 3. Primary Unknown
1. Lung 2. Other Mouth 3. Tongue	TRIVANDRUM	1. Oral Cavity & Lip 2. Lung 3. Pharynx
1. Esophagus 2. Hypopharynx 3. Lung	BANGALORE	1. Pharynx 2. Esophagus 3. Lung
1. Tongue 2. Hypopharynx 3. Esophagus	BOMBAY	1. Pharynx 2. Oral Cavity & Lip 3. Esophagus
1. Esophagus 2. Hypopharynx 3. Mouth NOS	MADRAS	1. Pharynx 2. Oral Cavity & Lip 3. Esophagus

* Sanghvi LD : J Cancer Res Clin Oncol, 99: 1-14; 1981

2.3.1 Ranking According to ICD9 three digit code and ICD9 four digit code

Changes in rank of leading cancers in males by using the 4-digit ICD9 code instead of the 3-digit code are shown in Table 2.3.1 The leading, and sometimes the second, cancer in frequency, changes in all registries, when the more anatomically accurate 4th digit ICD9 code is used to define the oral cavity and the pharynx. One note of caution; cases coded to "lip", are included with "oral cavity" for two reasons. One, their numbers are very small and unlikely to have any impact on the relative frequencies. Second, lip cancers in this country are most often of the angle of the mouth or the labial commissure, often involved by a buccal mucosal cancer which would belong to the oral cavity anyway.

A similar comparison for cancer in females shows that the only major change occurs in the second most frequent cancer in Bangalore which becomes oral cavity, instead of breast when only the 3-digit code is used.

2.3.2 a Leading Cancers in Males in 1986

Pharyngeal cancer leads in all registries except Trivandrum where it is third. Dibrugarh registrations include nearly 40% pharyngeal cancer, - one of the highest frequencies worldwide, of these cancers. Cancers of the oral cavity are number one in Trivandrum, and are among the first five in the remaining registries except Chandigarh. Lung cancer is second in Trivandrum and Chandigarh but is also within the first five cancers everywhere except Dibrugarh. Overall, assuming oral, pharyngeal, laryngeal, esophageal, and lung cancers are related causally to tobacco use in one form or another (chew, smoke bidi, cigarette, apply mishri, etc.) anywhere from around 28% cancers in males in Chandigarh to over 50% in Dibrugarh and Bombay are tobacco-related. (See Fig. 2.3.2a)

Management of these patients poses immense problems, and obviously, control of tobacco use is the single most important need in any aspect of cancer control.

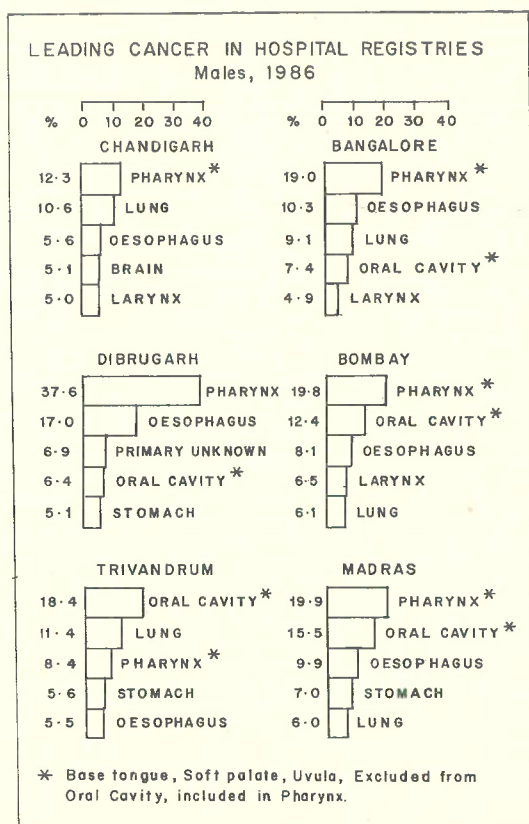


Figure 2.3.2a

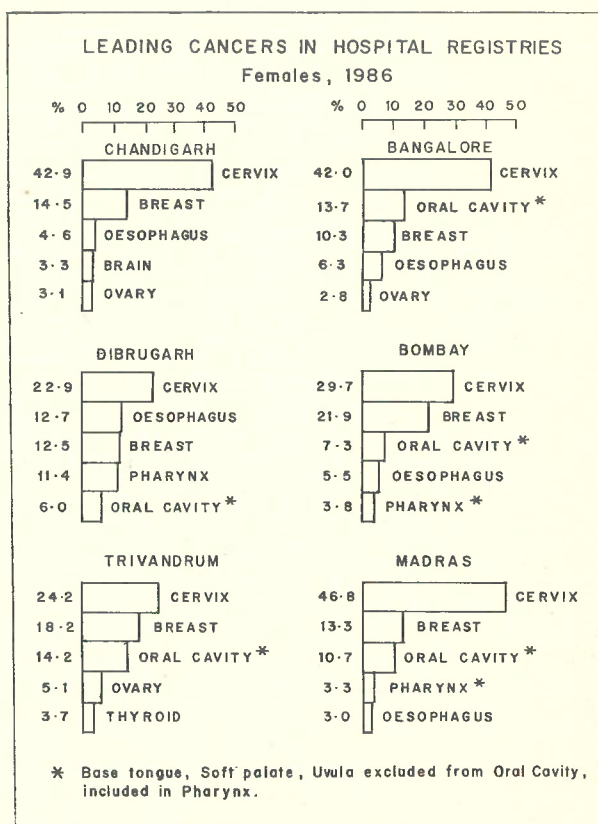


Figure 2.3.2b

2.3.2b Leading Cancers in Females In 1986 (See Fig. 2.3.2b)

Classifying the head & neck aerodigestive cancers into their accurate categories by the 4th digit ICD9 rubric yields as much of interest in females as in males. In all the registries, cervix leads. Breast cancer is second in all the registries except in Bangalore and Dibrugarh where it is third. The second most frequent cancer in Bangalore is oral cavity as mentioned above and esophagus in Dibrugarh. Points to note are the narrow gap in frequency between cervix at number one and breast at number two, in Trivandrum (6%) and Bombay - Tata Hospital (8%). This may relate to the decline in the incidence of cervical cancer and a slight increase in cancer of the breast as has been shown in the Bombay PBCR reports. In Bombay this may also relate to the fact that the Tata Hospital's patients come not only from Bombay city but from much of Maharashtra and from the rest of India where cervical cancer exceeds breast in incidence. In Trivandrum, it may reflect a truly higher incidence of breast cancer. Kerala which contributes most of the Trivandrum registry patients, has the highest female literacy rate, socioeconomic status and lowest birth rate in the nation. It may well be that reproductive risk factors associated with breast cancer are more prevalent in these women than risk factors of cervical cancer. Other points of interest are the inclusion of thyroid cancer in the first five cancers in Trivandrum, and the first ten in the other registries except Chandigarh. The high frequency of tobacco-related upper aerodigestive tract cancers even in registries like Trivandrum, Bombay, Madras, where reproductive system cancers lead in frequency suggests control of tobacco use will affect not only the management and occurrence of cancers in males but also in females, although to a lesser degree.



Figure 2.3.2b

Figure 2.3.2a

3. ALL CANCER PATIENTS IN THE HOSPITAL REGISTRIES

This chapter presents an overview of diagnosis, extent of spread, treatment, and discharge status of all cancer patients registered in the six hospital cancer registries (HCRs) for 1986.

3.1 DIAGNOSTIC METHODS

Table 3.1 presents the frequencies of microscopic diagnoses which range from 83% to 97% except in Madras where they are around 70%. In general, data on cancer diagnosis is of a high order of reliability. A slightly higher frequency of microscopically diagnosed cancers in females in most registries may be due to the ease of sampling the cervix for a cellular or tissue diagnosis since cervix is the leading cancer in females in all registries (see Ch 2).

Table 3.1 : All Cancer Patients - Microscopic Diagnoses
(ICD 140-208) - HCRs, 1986

Registry	MALE		FEMALE	
	Total Patients T	MV* %	Total Patients T	MV* %
Chandigarh	1090	94	1325	97
Dibrugarh	928	86	385	84
Trivandrum	2297	83	1935	89
Bangalore	2874	90	3152	96
Bombay	6939	93	5508	94
Madras	2046	72	2408	71
Total	16174	89	14713	90

* MV = Microscopically Verified

3.2 METHOD USED IN ANALYSIS OF CANCER EXTENT, TREATMENT, AND CONDITION AT DISCHARGE

Table 3.2 presents an overview of the method used in analysing the patterns of cancer extent, treatment, and condition at discharge of treated patients in the hospital registry data for 1986. The first two columns present Total numbers of patients (T) in each registry and overall, for both gender groups.

From these, patients who cannot be evaluated for extent of disease patterns are identified. These patients are labelled "Other" in terms of Extent of Disease. They consist of six categories of patients. They are those previously treated, or treated elsewhere than in the reporting institution, or with recurrent or impalpable cancers; those with nonsolid eg. hematologic malignancies which do not lend themselves to the AJC classification; and those for whom extent of disease data is not known. The entire group of "Other" Patients (n) is

subtracted from Total patients (T) to yield the Number of patients (N), whose data is analysed for extent of disease or cancer spread at diagnosis. Thus $T = n + N$.

**Table 3.2 : Patient Numbers as analysed for Cancer Extent, Treatment, & Condition at Discharge
All Cancers, HCRs, 1986**

Registry	Total patients (T)		Patients not Evaluated for EOD "Other" (n)		Patients Evaluated for EOD (N)		Treated Patients		NED & Regressed	
	M	F	M	F	M	F	M	F	M	F
Chandigarh	1090	1325	228	283	862	1042	711	888	578	752
Dibrugarh	928	385	264	110	664	275	583	248	367	143
Trivandrum	2297	1935	457	499	1840	1436	1442	1206	786	851
Subtotal	4315	3645	949	892	3366	2753	2736	2342	1731	1746
Bangalore	2874	3152	689	564	2185	2588	1280	1413	702	851
Bombay	6939	5508	2544	2138	4395	3370	2593	2170	1996	1827
Madras	2046	2408	513	405	1533	2003	849	1166	780	1110
Subtotal	11859	11068	3746	3107	8113	7961	4722	4749	3478	3788
Overall Total	16174	14713	4695	3999	11479	10714	7458	7091	5209	5534

* EOD = Extent of Disease; Other Group = Patients treated prior to registration or treated elsewhere; or with impalpable or hematologic or recurrent cancers; or unknown extent of disease data; NED = No Evidence of Disease

Treatment patterns are examined only among these patients (N) described above. They are classified into three groups of extent of cancer spread, described in the next section. The major patterns are "Treated" and "Not Treated". Since only a proportion of patients are usually treated, the number of patients who receive cancer-directed treatment, i.e. "Treated patients" - for both genders, in each registry, and overall, is presented in the next two columns. "Not Treated" patients include those noncompliant, or nonaccepting of treatment, or patients with "Unknowns" in this data item.

The patients' Condition at Discharge after the first planned cancer-directed treatment is the only available measure of therapeutic effectiveness at the present time in the registry data. This is examined only for Treated Patients who are analysed for Extent of Disease. Obviously, discharge data has relevance only if treatment has been given and in any case, is of limited value in assessing longterm therapeutic effectiveness. The last column describes patients whose condition shows NED (No Evidence of Disease) and Regressed cancer, at discharge.

The data in this and the final table 3.6 are discussed at the end of this chapter.

3.3 CANCER EXTENT PATTERNS

This information, patterned on the AJCC (American Joint Committee on Cancer staging) classification of cancers as localised, regionally spread and distantly spread or disseminated or advanced, is meant for solid cancers, and does not address the unique staging features of hemopoietic malignancies. Data from the UICC devised Tumour, Node, Metastasis - TNM - system is not uniformly entered in the six registries. Further, the 3-digit code that exists for TNM in the presently used HCR form does not easily permit for alphanumeric data entry which is needed. TNM data is not, therefore, studied for this report.

3.3.1 Patients Not Evaluated for Extent of Disease - "Other Group"

Data which cannot be used to accurately assess the extent of cancer at first diagnosis are described in Section 3.2. Care has been taken to exclude previously treated patients as coded in item 17 and in item 24(a) of the current HCR proforma. Table 3.3.1 and Fig. 3.3.1 show patients categorised as "Other" under Extent of Disease. Inter-registry variation in the percentages of these patients is another reason to exclude them from extent of disease assessments.

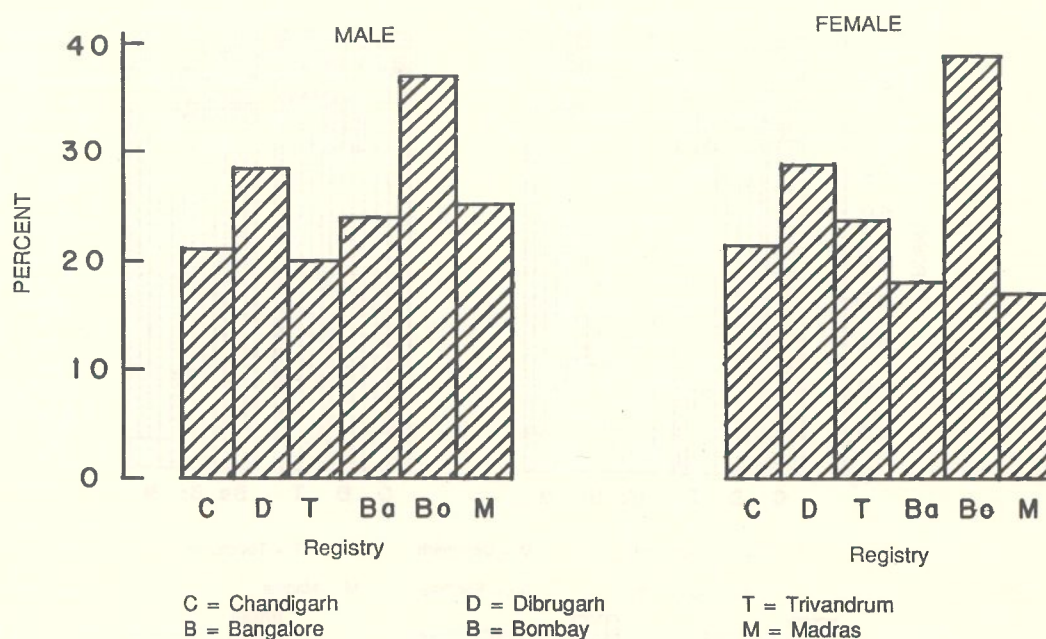
From 20-37% males and 17-39% females in different registries in 1986 are in this group. In Bombay, 37% males and 39% females in this group probably reflect the large referral patient population, many with recurrent cancers.

Table 3.3.1 : Patients Not Evaluated for Extent of Disease-"Other" Group* - All Cancers
HCRs, 1986

Registry	Total Patients	Male		Total Patients	Female	
		Other Group n	%		Other Group n	%
Chandigarh	1090	228	20.9	1325	283	21.4
Dibrugarh	928	264	28.4	385	110	28.6
Trivandrum	2297	457	19.9	1935	499	25.8
Bangalore	2874	689	24.0	3152	564	17.9
Bombay	6939	2544	36.7	5508	2138	38.8
Madras	2046	513	25.1	2408	405	16.8

* Patients treated prior to registration or treated elsewhere; or with impalpable or hematologic or recurrent cancers; or unknown extent of disease data

Figure 3.3.1: PATIENTS NOT EVALUATED FOR EXTENT OF DISEASE
- OTHER GROUP - IN ALL CANCER PATIENTS
HCRs, 1986



3.3.2 Extent of Disease of Cancer patients after Excluding "Other" Group :

Patients categorised to have Localised, Regionally Spread, or Advanced (syn. Disseminated) cancer are thus determined after excluding patients in the "Other" group as described in Section 3.2, Tables 3.2, and 3.3.1. Categories are defined as follows : Localised means cancers localised to the organ or tissue of origin of the neoplasm; regionally spread includes regional lymph node metastases, and extension into contiguous tissue structures from the site of origin; it includes Locally advanced cancers or Loco/Regional disease in current oncologic parlance. Advanced means Distantly Metastasized cancers or those labelled "Too Advanced", in the patient's chart.

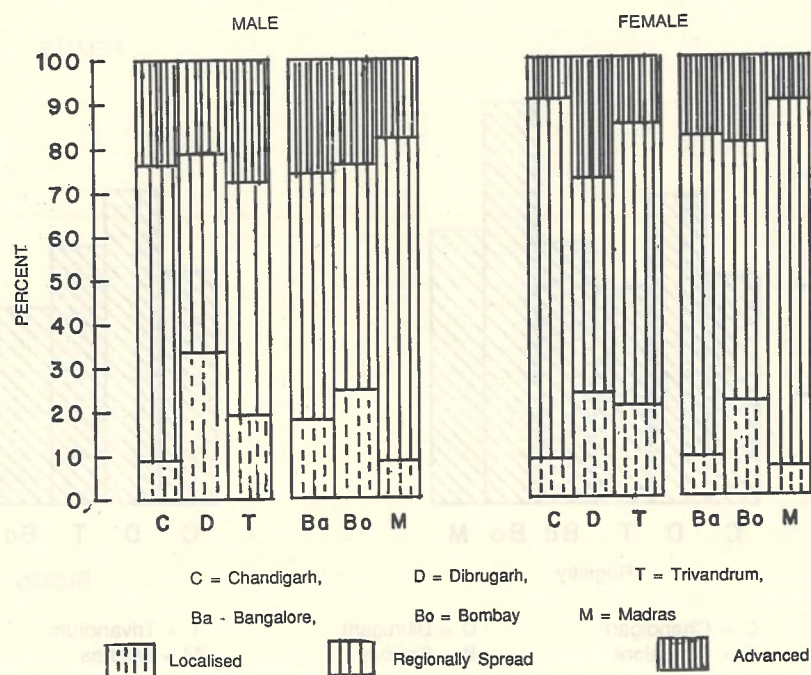
Data are shown in Table 3.3.2 and Fig. 3.3.2.

**Table 3.3.2 : Extent of Disease* - All Cancers
HCRs, 1986**

Registry	No. of Patients Evaluated for Ext. of Disease		Localised %		Regionally Spread %		Advanced %	
	Male	Female	Male	Female	Male	Female	Male	Female
Chandigarh	862	1042	8.9	9.4	76.8	81.3	14.3	9.3
Dibrugarh	664	275	33.6	23.6	45.0	48.7	21.4	27.6
Trivandrum	1840	1436	19.1	20.8	53.1	64.3	27.8	15.0
Bangalore	2185	2588	18.1	9.2	55.5	72.3	26.5	18.5
Bombay	4395	3370	24.5	21.8	51.4	58.8	24.1	19.4
Madras	1533	2003	8.7	6.7	72.6	84.0	18.7	9.2

* After excluding patients not evaluated for cancer spread: "Other" group

Figure 3.3.2: EXTENT OF DISEASE - ALL CANCERS
excluding Patients not evaluated : Other Groups
HCRs, 1986



Anywhere from 9-34% male and 7-24% female patients in 1986 have localised cancers. Higher frequencies of around 20-25% localised cancers in both gender groups in the Bombay hospital registry may reflect the existence of the Tata Memorial Hospital since 1941 in the city with a resulting greater awareness of cancer in its populace.

About a half to three-fourths of male and slightly more female patients have cancers regionally spread/locally advanced at first diagnosis. Figures are least in Bombay and Dibrugarh where many of these patients may be classified as Localised or Advanced. Their frequencies are highest in Chandigarh and Madras where advanced and localised cancer frequencies are least. Female percentages are higher than male within each registry, most prominently in the south Indian registries at Bangalore, Madras and Trivandrum perhaps because of the common occurrence of cervical cancer. Advanced cancer frequencies are higher in males than females in all registries except Dibrugarh, where the number of female patients is also least.

Differences in recording, coding and "staff" factors between the registries rather than a real difference in stage of cancer at diagnosis may well be the reason for these differences. Until we know that extent data is obtained or recorded in the same way in all centres, it may be wise to refrain from drawing firm conclusions.

3.4 TREATMENT PATTERNS OF PATIENTS ACCORDING TO THE EXTENT OF SPREAD OF THEIR CANCERS

Cancer therapeutic decisions are usually based on the extent of cancer at first diagnosis. The patterns of cancer treatment therefore are analysed only in patients evaluated for extent of disease.

The data are presented in Tables 3.4a & b, and Figs. 3.4 a-c.

A few major points emerge :

i) Treatment patterns are distinct in the two types of reporting institutions, regardless of patient gender or degree of cancer spread. In the general hospitals cancer-directed treatment is given to a larger proportion of patients (by 10 to 30%) compared to cancer centres.

ii) The frequencies of treated patients are lower with increasing dissemination of disease assuming that dissemination follows a stepwise pattern as envisaged when the AJC classification was developed. This as we know, may not always be the case. This treatment pattern is observed in both the gender groups and types of institutions.

iii) Around 5% more females than males with localised cancers get treated. Treated males with advanced cancers are higher in frequency than females in most registries. Reasons for this are not clear but may include general societal biases in favour of males, more apparent when the cancer is advanced.

iv) Finally, around 10% unknown data for treatment in the reporting institution in some registries need explaining. It may indicate a need for improved record keeping in the institution.

**Table 3.4a : Treatment Patterns according to Extent of Spread – All Cancers
HCRs, Males, 1986**

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
LOCALISED CANCERS	N	77	223	351	395	1078	133
Treatment Status	%						
Treated		95	93	82	60	72	61
Not Treated		5	6	17	15	8	39
Treatment not accepted		0	0	0	18	21	0
Unknown		0	1	1	8	0	0
REGIONALLY SPREAD	N	662	299	977	1212	2257	1113
Treatment Status	%						
Treated		84	89	84	63	64	59
Not Treated		16	11	14	16	10	41
Treatment not accepted		0	0	0	13	25	0
Unknown		0	0	2	8	1	0
ADVANCED CANCERS	N	123	142	512	578	1060	287
Treatment Status	%						
Treated		68	77	65	49	35	37
Not Treated		32	22	28	37	39	63
Treatment not accepted		0	0	0	6	24	0
Unknown		0	1	8	9	2	0

**Table 3.4b : Treatment Patterns according to Extent of Spread – All Cancers
HCRs, Females, 1986**

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
LOCALISED CANCERS	N	98	65	298	237	736	135
Treatment Status	%						
Treated		98	97	87	61	81	73
Not Treated		2	3	13	16	7	27
Treatment not accepted		0	0	0	16	12	0
Unknown		0	0	0	7	0	0
REGIONALLY SPREAD	N	847	134	923	1871	1981	1683
Treatment Status	%						
Treated		87	92	88	58	68	59
Not Treated		13	8	11	18	10	41
Treatment not accepted		0	0	0	8	21	0
Unknown		0	0	2	16	0	0
ADVANCED CANCERS	N	97	76	215	480	653	185
Treatment Status	%						
Treated		56	82	65	40	34	38
Not Treated		44	18	27	41	41	62
Treatment not accepted		0	0	0	6	23	0
Unknown		0	0	8	13	2	0

3.4a: TREATMENT STATUS OF PATIENTS WITH LOCALISED CANCERS
HCRs, 1986

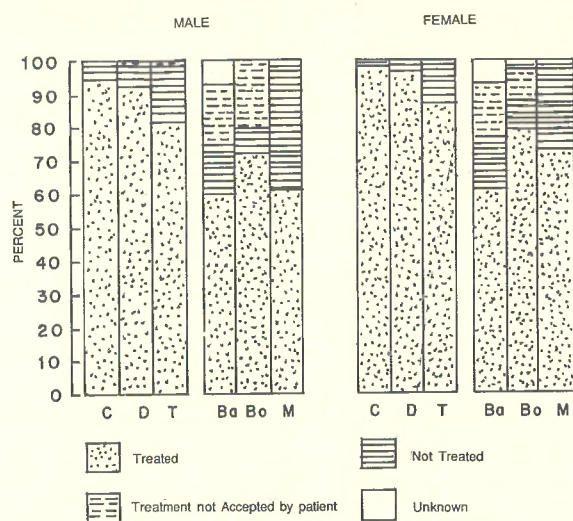
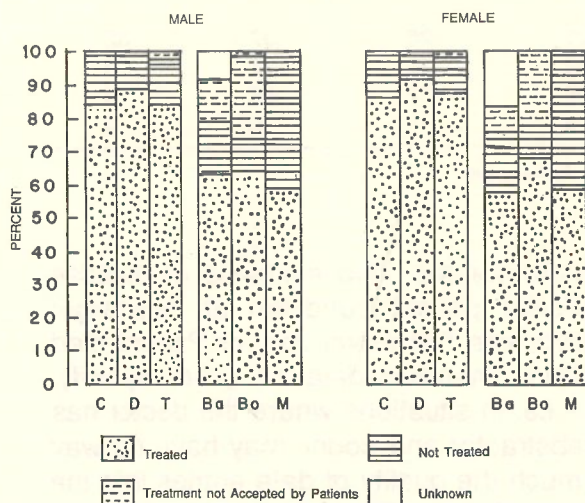
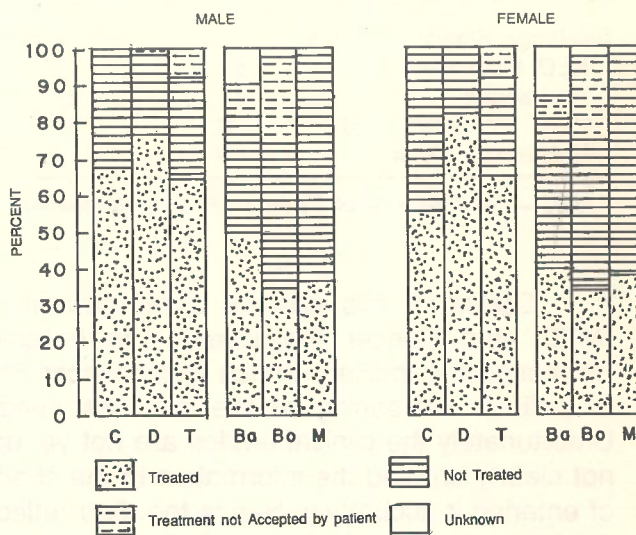


Figure 3.4.a-c

3.4b: TREATMENT STATUS OF PATIENTS WITH REGIONALLY SPREAD CANCERS
HCRs, 1986



3.4c: TREATMENT STATUS OF PATIENTS WITH ADVANCED CANCERS
HCRs, 1986



3.5 CONDITION AT DISCHARGE OF TREATED PATIENTS ACCORDING TO THE EXTENT OF SPREAD OF THEIR CANCERS

Tables 3.5a & b and Figs. 3.5 a-c present the data.

Table 3.5a : Condition at Discharge of Treated Patients according to Extent of Spread - All Cancers HCRs, Males, 1986

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
LOCALISED CANCERS	N	73	208	287	235	773	81
Discharge Status	%						
NED*, Regressed		96	95	77	68	90	94
Unchanged		4	3	8	20	3	2
Prog, Too Adv, Died		0	2	10	12	6	4
Unknown & Other		0	0	6	0	1	0
REGIONALLY SPREAD	N	554	265	824	763	1445	661
Discharge Status	%						
NED, Regressed		83	62	60	61	80	93
Unchanged		17	23	19	13	7	3
Prog*, Too Adv*, Died		0	10	18	23	12	4
Unknown & Other		0	5	3	3	1	0
ADVANCED CANCERS	N	84	110	331	282	375	107
Discharge Status	%						
NED, Regressed		57	6	22	26	37	82
Unchanged		41	32	38	21	17	9
Prog*, Too Adv*, Died		2	57	36	52	46	9
Unknown & Other		0	5	4	1	0	0

* NED = No Evidence of Disease; Prog = Progressed, Adv = Advanced

Codes for this variable in the current HCR proforma are : No evidence of disease (NED) and Cancer Regressed - to indicate improved patient condition at discharge; Unchanged to indicate Status quo; Cancer Progressed, was Too advanced, or Patient died to indicate worsening of the patient's condition, and Unknown data or Other specify. Unfortunately the clinical entries are not yet defined - i.e. in situations where the doctor has not clearly entered the information in the chart, the abstractor and coder may have no way of entering it accurately. Hence the data reflects as much the quality of data entries into the medical record by doctors as it does abstracting and coding practices. Moreover, this data item cannot be cross checked with any other for accuracy.

These limitations in the data limit interpretations of findings which are nevertheless, interesting and may be, plausible. Where the patient was treated as an outpatient, the data implies his/her condition at the end of the first planned cancer-directed treatment in the hospital. The data examines only those patients with a solid malignancy who are treated for

3-5a: CONDITION AT DISCHARGE OF TREATED PATIENTS
WITH LOCALISED CANCERS
HCRs, 1986

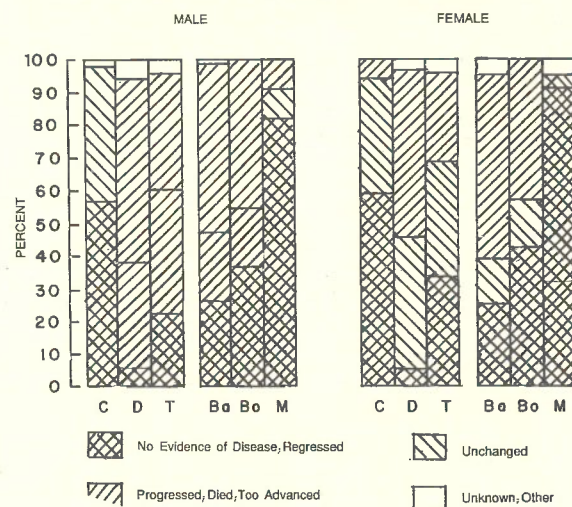
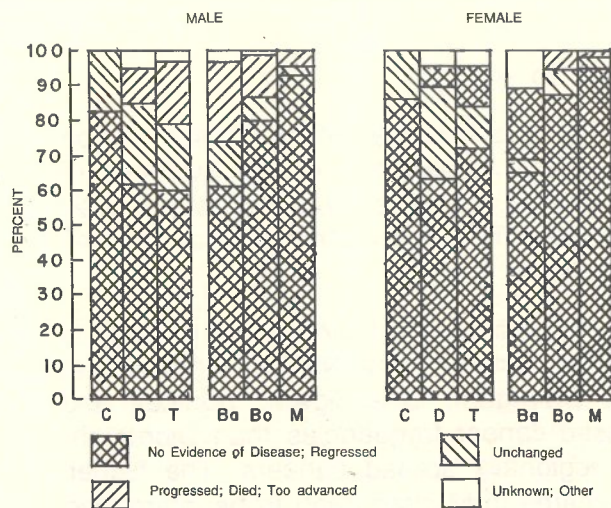


Figure 3.5a-c

3.5b: CONDITION AT DISCHARGE OF TREATED PATIENTS
WITH REGIONALLY SPREAD CANCERS
HCRs, 1986



3.5c: CONDITION AT DISCHARGE OF TREATED PATIENTS
WITH ADVANCED CANCERS
HCRs, 1986

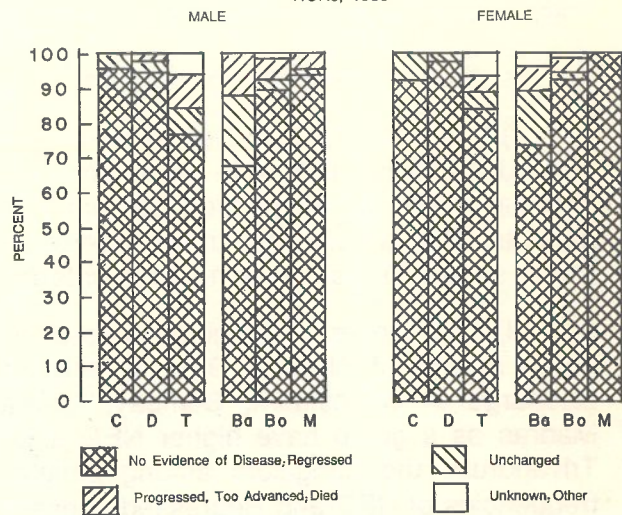


Table 3.5b : Condition at Discharge of Treated Patients according to Extent of Spread - All Cancers HCRs, Females, 1986

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
LOCALISED CANCERS	N	96	63	258	144	596	98
Discharge Status	%						
NED*, Regressed		93	98	85	74	93	100
Unchanged		7	2	5	16	2	0
Prog, Too Adv, Died		0	0	5	7	4	0
Unknown & Other		0	0	6	3	1	0
REGIONALLY SPREAD	N	738	123	809	1078	1355	998
Discharge Status	%						
NED, Regressed		86	63	72	65	87	95
Unchanged		14	27	12	4	6	3
Prog, Too Adv, Died		0	6	12	20	6	2
Unknown & Other		0	4	4	11	0	0
ADVANCED CANCERS	N	54	62	139	191	219	70
Discharge Status	%						
NED, Regressed		59	5	33	25	42	91
Unchanged		35	40	36	14	15	4
Prog, Too Adv, Died		6	52	27	57	43	4
Unknown & Other		0	3	4	4	0	0

* NED = No Evidence of Disease; Prog = Progressed, Adv = Advanced

the first time in the reporting institution. Major points to emerge :

i) It is essential that Discharge data (Tables 3.5) and Treatment data (Tables 3.4) be studied in conjunction with each other. There are high proportions of No Evidence of Disease (NED) and Regressed cancers in some registries with lower frequencies of treated patients. This is especially true in some cancer centres. This may reflect a selection bias which should be kept in mind while interpreting the data.

ii) The cancer centre/general hospital dichotomy observed with treatment patterns is not as prominent. About 90-95% patients with localised cancers show NED or regression at discharge in Chandigarh, Bombay, Madras and Dibrugarh. Chandigarh, Bombay and Madras as a group have higher NED and regressed cancer frequencies than Dibrugarh, Trivandrum and Bangalore among patients with regionally spread cancers. The higher frequencies of NED and Regressed cancers at discharge in Madras need to be interpreted in the light of the lower frequencies of treated patients in that centre.

3.6 THE ROLE OF THE HCR DATA IN THE NATIONAL CANCER CONTROL PROGRAMME

Primary prevention of tobacco-related cancers, early diagnosis and treatment of cervical cancers, and the provision of adequate therapeutic services with pain relief are the three goals of the National Cancer Control Programme (NCCP). Fruitful efforts directed to

these goals should result in a long-term reduction in incidence and prevalence of tobacco-related cancers, and in downstaging of, and improved survival from, those and cervical cancers.

HCR data as provided in this chapter and the next two chapters, are critical in supporting and monitoring the NCCP. Tables 3.2 and 3.6 provide a preliminary overview of the entire HCR dataset. The findings should be viewed with caution. Limitations include lack of uniformity in criteria used for evaluating extent of disease, definitions for condition at discharge; variations in available equipment, bed and therapeutic facilities between different centres; and still as yet unknown problems such as different patient-bed ratios in different centres. Please note that treated patients are only those identified from Patients Evaluated for Extent of Disease - i.e. "new-new" patients not treated elsewhere and without hematologic or impalpable malignancies. Hospitals treat many more "old" patients. The NED and Regressed figures relate only to patients who took cancer-directed treatment for the first time.

Despite these limitations, the main points that emerge are :

(i) There are about 35-40% nontreated patients in general hospitals and 55-60% such patients in cancer centres. As shown earlier in this chapter, 20-30% localised and 30-40% regionally spread cancer patients are not treated. Reasons for this include patient noncompliance and nonacceptance of treatment. The causes of these need elucidating. They may include fear and ignorance, logistic problems, overloaded facilities, etc.

**Table 3.6 : Proportions of Patients Analysed for Cancer Extent, Treatment, & Condition at Discharge
All Cancers, HCRs, 1986**

Registry	Number of Total Patients (T)		Patients not Evaluated for EOD (n)		Patients Evaluated for EOD (N)		Treated Patients		NED & Regressed	
	M	F	M %	F %	M %	F %	M %	F %	M %	F %
Chandigarh	1090	1325	21	21	79	79	65	67	53	57
Dibrugarh	928	385	28	29	72	71	63	64	40	37
Trivandrum	2297	1935	20	26	80	74	63	62	34	44
Bangalore	2874	3152	24	18	76	82	45	45	24	27
Bombay	6939	5508	37	39	63	61	37	39	29	33
Madras	2046	2408	25	17	75	83	41	48	38	46
Overall Total	16174	14713	29	27	71	73	46	48	32	38

(ii) Accurate assessment of staging and prevalence of cancers at diagnosis and at followup can be done through HCR data. Therapeutic services and efforts at early diagnosis and treatment can thus be monitored and assessed.

(iii) Once accurate follow-up data are available, therapeutic effectiveness can be assessed by survival rates, assessment of quality of life after diagnosis, etc.

The immediate major need as clear from 1986 HCR data, is to determine and tackle the causes of patient noncompliance and nonacceptance of available therapy. This alone may contribute more to downstaging the leading cancers in males and females than does earlier diagnosis without adequate treatment facilities.

4. BREAST & UTERINE CERVICAL CANCERS

Cervical and breast cancers are the first and second leading cancers in women in the HCRs in 1986, except in Dibrugarh where oesophagus is second and Bangalore where oral cavity is second, followed in each by breast in third place. Details are in Chapter 2. This chapter reviews the diagnosis, extent, treatment and condition at discharge of these cancers registered in the six HCRs for 1986, and of histologic types of cervical cancer in 1985.

4.1 NUMBER OF CANCERS AND THEIR DIAGNOSIS

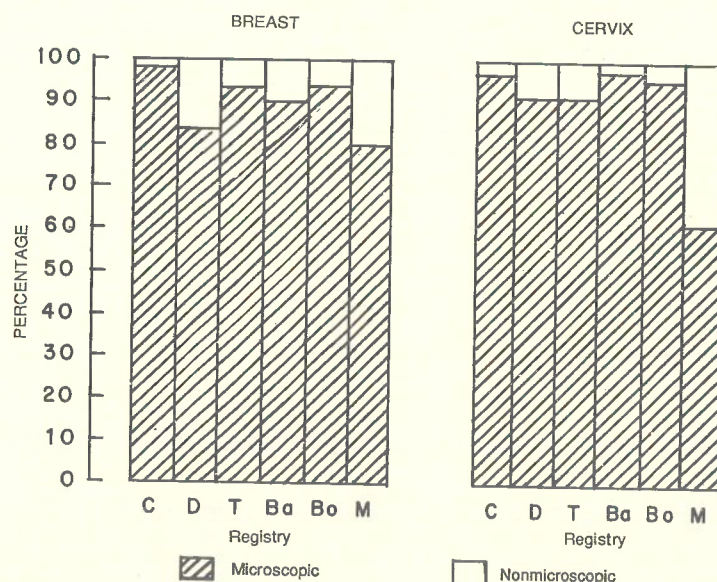
Information on the number of cancer cases and diagnosis from 1984 to 1986 is given in Table 4.1 and Fig. 4.1.

TABLE 4.1 : Patients' Number and Microscopic Diagnoses : Cancer Breast and Cancer Cervix HCRs, Females, 1984-1986

Registry & Year		Total Patients		Breast		Cervix	
		n	n	(MV%)	%	n	(MV%)
Chandigarh	1984	1220	167	(96)	14	474	(96)
	1985	1285	182	(97)	14	570	(97)
	1986	1325	192	(100)	14	568	(99)
	1984-86	3830	541	(98)	14	1612	(97)
Dibrugarh	1984	335	33	(88)	10	62	(98)
	1985	355	35	(71)	10	71	(94)
	1986	385	48	(90)	13	88	(84)
	1984-86	1075	116	(84)	11	221	(91)
Trivandrum	1984	1755	286	(93)	16	457	(93)
	1985	1790	325	(93)	18	447	(90)
	1986	1935	352	(94)	18	468	(93)
	1984-86	5480	963	(94)	18	1372	(92)
Bangalore	1984	2733	286	(86)	10	1154	(97)
	1985	3020	308	(91)	10	1288	(97)
	1986	3152	325	(93)	10	1325	(99)
	1984-86	8905	919	(90)	10	3767	(98)
Bombay	1984	4871	972	(86)	20	1660	(96)
	1985	5465	1146	(96)	21	1750	(98)
	1986	5508	1205	(92)	22	1634	(96)
	1984-86	15844	3321	(91)	21	6044	(97)
Madras	1984	2166	306	(80)	14	1027	(63)
	1985	2359	306	(80)	13	1099	(56)
	1986	2408	313	(80)	13	1128	(66)
	1984-86	6933	925	(80)	13	3254	(61)

Cervical cancers contribute around 45% of cancers in each of Bangalore, Chandigarh and Madras; 30% in Bombay, 25% in Trivandrum, and 22% in Dibrugarh. Breast cancers comprise from 10-15% of all cancers in four HCRs, 18% in Trivandrum and 22% in Bombay. In Bombay and Trivandrum, although cervical cancer registrations exceed those of breast, the margin is the least of the six HCRs (See Ch. 2).

Figure 4.1 BREAST AND CERVICAL CANCERS
PERCENTAGES OF MICROSCOPIC DIAGNOSIS,
Females, 1984 - 86 HCRs



Some 85-95% breast cancers are microscopically verified in five registries and 80% in Madras. Microscopic diagnosis of cervical cancers range from about 90-99% in five registries and around 60% in Madras. Reasons for the low frequency of microscopic diagnosis in Madras need elucidating.

4.2 HISTOLOGIC TYPES OF CERVICAL CANCERS - INTER-REGISTRY PANEL OF PATHOLOGISTS STUDY

Histologic types of cancer cervix in India are of interest because of increasing adenocarcinomas reported, mostly from the west (1). Slides of cervical cancer cases registered in 1985 were studied by the InterRegistry Panel of Pathologists - a group of pathologists affiliated with each registry. Since such study requires cleaned, analysed data, it is not possible to study the previous year's data than that of the year being reported. Hence the use of 1985 rather than 1986 data. The following analysis is of data as registered, not as reviewed by the panel.

4.2.1 Diagnoses of Cervical Cancer, 1985

It is obvious that histologic types can be observed only in microscopically confirmed cases. Table 4.1 shows the microscopic diagnoses in the HCRs in 1985; - Madras stands out with 56% microscopic diagnoses against the background of 94-97% such diagnoses in the other five registries.

(1) Elliott PM, Tattersall MHN, Coppleson M, et al : *Brit Med J*, 1988, in press

4.2.2 Major Histologic Types of Cervical Cancer, 1985

These are shown in Table 4.2.2. Squamous cancers are over 90% of cervical cancers in all registries.

Table 4.2.2 : Major Histologic types of Cervical Cancer
HCRs, Females - 1985

Registry Type		Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
Microscopically diagnosed	N	553	67	401	1247	1712	611
Squamous Cancers	%	96	93	94	95	91	95
Non Squamous Cancers	%	3	7	6	5	8	5

4.2.3 Histologic Types of Squamous Cell Carcinoma Cervix In the HCRs, 1985

Table 4.2.3 presents this data. Some points are observed :

Table 4.2.3 : Histologic types Squamous Cell Carcinoma Cervix
HCRs, Females - 1985

Registry Type		Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
Microscopically diagnosed Squamous. Cell Cancers	n	533	62	377	1186	1551	583
Squamous, NOS	%	94	27	83	98	99.7	45
Keratinizing	%	4	11	5	(7)	(5)	3
Non- Keratinizing							
Large cell	%	1.7	52	11	1.0	0	40
Small cell	%	2	10	(4)	0	0	7
Spindle cell	%	0	0	0	0	0	5
Other Squamous	%	0	0	0	0	0	0

Figures in parentheses refer to actual numbers—too few for percentage calculation

i) Registries with the most cases - i.e. Bangalore and Bombay, label most cervical cancers "Squamous" without further specification as Keratinizing, and Nonkeratinizing (NK) small and large cell. The classification has prognostic relevance (1) and is accepted worldwide (2). Chandigarh and Trivandrum also record high frequencies of cancers recorded as Squamous, Not otherwise specified. Registries with fewer cases, relatively, ie Madras, Dibrugarh, do use the WHO classification.

ii) Unless a prognostically relevant, internationally accepted classification is used, studies of survival for carcinoma cervix cannot be correlated with histology.

iii) Where the WHO classification is used, i.e. Madras and Dibrugarh, NK large cell carcinoma greatly exceeds keratinizing carcinoma, which is followed by small cell NK in frequency.

4.2.4 Histologic Types of Nonsquamous Carcinoma Cervix, 1985

Table 4.2.4 shows the data regarding nonsquamous carcinoma cervix. The majority of the few cases are adenocarcinoma. Many in Bombay and Trivandrum are called "Epithelial, NOS", a rubric that may include adenocarcinomas and small cell undifferentiated or poorly differentiated carcinomas with very different natural histories. These cannot be separated when lumped together. More specific diagnoses may help identify each group.

**Table 4.2.4 : Histologic types of Non-Squamous Cancer Cervix
HCRs, Females - 1985**

Registry Type	Chandi- garh	Dibru- garh	Trivan- drum	Banga- lore	Bombay	Madras
Microscopically diagnosed Total	19	5	23	62	136	28
Adeno (ICDO 8140, 8260, 8310)	11	1	4	29	56	18
Adeno Squamous (ICDO 8560)	1	0	2	4	15	4
Epithelial, Nos (ICDO 8010)	3	1	12	6	46	5
Other	4	3	5	23	19	1

4.2.5 International Comparisons

Tables 4.2.5a shows 1985 NCRP-HCR data in comparison with that 15 years ago, from one centre in the U.S., and for one in Australia, in 1988. Patterns of Squamous versus Nonsquamous cancer are similar in India today with the U.S. nearly two decades ago.

1 Wentz WB & Reagan. *Cancer* 1959; 12, 384

2 Poulsen HE, Taylor CW et al. *International Histological Typing of Female Genital Tract Tumours*; WHO, Geneva, 1975

Table 4.2.5b shows the types of squamous cancers in India and the west in perspective. Whether decades ago or today, American and Australian frequencies for Large cell NK predominate followed by Keratinizing squamous and Small cell NK carcinoma. In India, Squamous not specified, leads by far at 89% followed by Large cell NK (8%) and by Keratinizing Squamous (2%) and Small cell NK (1%).

Table 4.2.5 a) : Histologic types of Cancer Cervix : International Comparisons

Registry	Total cases n	Squamous %	Adeno- carc %	Adeno- squam %	Other %
Stage et al (1974) U.S.A. 1950-72 Cases	259	95	3	1	1
Elliott et al (1988) Australia 1953-86 Cases	2196	84	8	4	3
NCRP, 6HCRs (1988) India 1985 Cases	4565	94	2.6	0.6	3

(Number in parentheses refer to actual members percentage too small)

Table 4.2.5 b) : Types of Squamous Carcinoma Cervix : International Comparisons

	Total cases N	Keratin- izing %	Non Keratinizing LC * %	SMC * %	Squamous NOS* %	Other %
*Ng Atkins (1973) U.S.A. 1954-67 cases	362	26	71	3	0	0
Elliott et al (1988) Australia 1953-86 cases	1851	37	53	6		0
NCRP, 6HCRs (1988) India 1985 cases	4292	1.7	7.7	1.2	88.6	0.7

* LC = Large Cell; SMC = Small Cell; NOS = Not otherwise specified

4.2.6 Conclusion

Major points which emerge from this study are :

i) An increase in microscopically diagnosed cervical cancers is needed in Madras or reasons for its lower frequencies need to be elucidated.

ii) Classifying squamous cell cancers into keratinizing and nonkeratinizing large or small cell is important and needed, for prognostic and survival studies of cancer cervix in India. This is especially true in centres and hospitals with the most cases. This is an area required more careful largescale studies to determine the utility of this classification in India.

4.3 BREAST AND CERVICAL CANCER EXTENT PATTERNS

The method followed in this evaluation is described in Chapter 3, Section 3.2.

4.3.1 Patients not Evaluated for Extent of Disease - "Other" Group

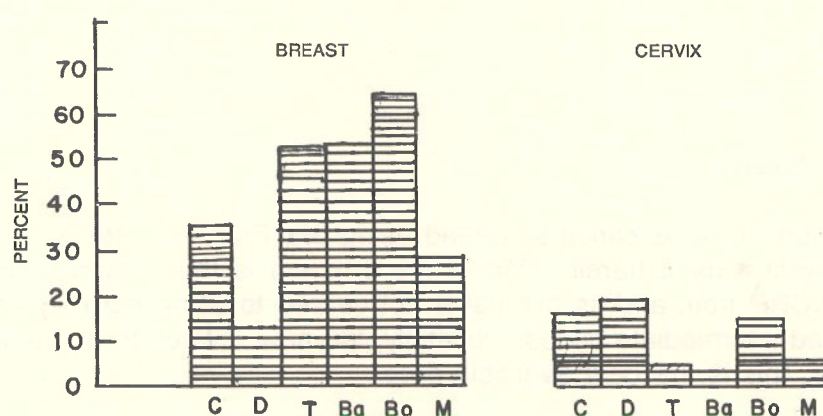
Breast and cervical cancer patients who cannot be evaluated for extent of spread are termed "Other" group, and are excluded. Data are in Table 4.3.1 and Fig 4.3.1.

Table 4.3.1 : Patients not Evaluated for Extent of Disease - "Other" group Breast and Cervical Cancer HCRs, Females, 1986

Registries	Total T	BREAST		Total T	CERVIX	
		Other n	%		Other n	%
Chandigarh	192	67	34.9	568	105	18.5
Dibrugarh	48	6	12.5	88	21	23.9
Trivandrum	352	180	51.1	468	13	2.8
Bangalore	325	174	53.5	1325	43	3.2
Bombay	1205	745	61.8	1634	333	20.4
Madras	313	88	28.1	1128	59	5.2

This "Other" group consists of 50-60% of breast cancer patients in Bangalore, Bombay, Trivandrum, and around 30% in Madras and Chandigarh. Among cervical cancer patients in Bombay, Chandigarh, and Dibrugarh around 20%, and in Bangalore, Madras and Trivandrum around 5% or fewer patients, are in this group.

Figure 4.3.1: PATIENTS NOT EVALUATED FOR EXTENT OF DISEASE "OTHER" GROUP, 1986



These data may reflect two facts. First, since initial breast cancer treatment in India is still largely surgical, and since surgical facilities are readily available in the cities where cancer centres are based, it may mostly occur outside the reporting institution. Such facilities may be less easily available outside the medical college in populations served by general

hospitals. Scrutiny of "treated previously or elsewhere" data in the "Other" group suggests this. Relatively lower frequencies in most registries of "Other" patients with Cervical compared to Breast cancer, may be because cervical cancer is largely treated by radiotherapy, not widely available outside the large institutions. Second, if radiotherapy facilities are available outside the reporting institution, or patient awareness of cancer is high, as may be in Bombay, larger proportions of patients may get treated outside the reporting institution first - eg. in cervical, and may be, breast cancers too.

4.3.2 Extent of Disease - Breast and Cervical Cancer Patients after Excluding "Other" group

4.3.2a Breast Cancer

Localised cancers range from 11-18% except in Madras with 4% and Bombay, with 33%. The Bombay figures of 30% localised patients may be a measure of the "existence phenomenon". That is, the very existence and fame of the Tata Hospital for nearly 50 years in the city may create enough awareness of cancer that patients come earlier for diagnosis and treatment. Patients with regionally spread disease are around 55-80% and advanced disease patients compose about 10-30% of those evaluated.

**Table 4.3.2a : Extent of Disease : Breast Cancers
HCRs, Females, 1986**

Registry	Patients Evaluated for Extent of Disease N	Localised %	Regionally spread %	Advanced %
Chandigarh	125	11.2	78.4	10.4
Dibrugarh	42	11.9	64.3	23.8
Trivandrum	172	16.9	69.2	14.0
Bangalore	151	18.5	54.3	27.2
Bombay	460	32.6	53.5	13.9
Madras	225	4.4	78.7	16.9

4.3.2b Cancer Cervix

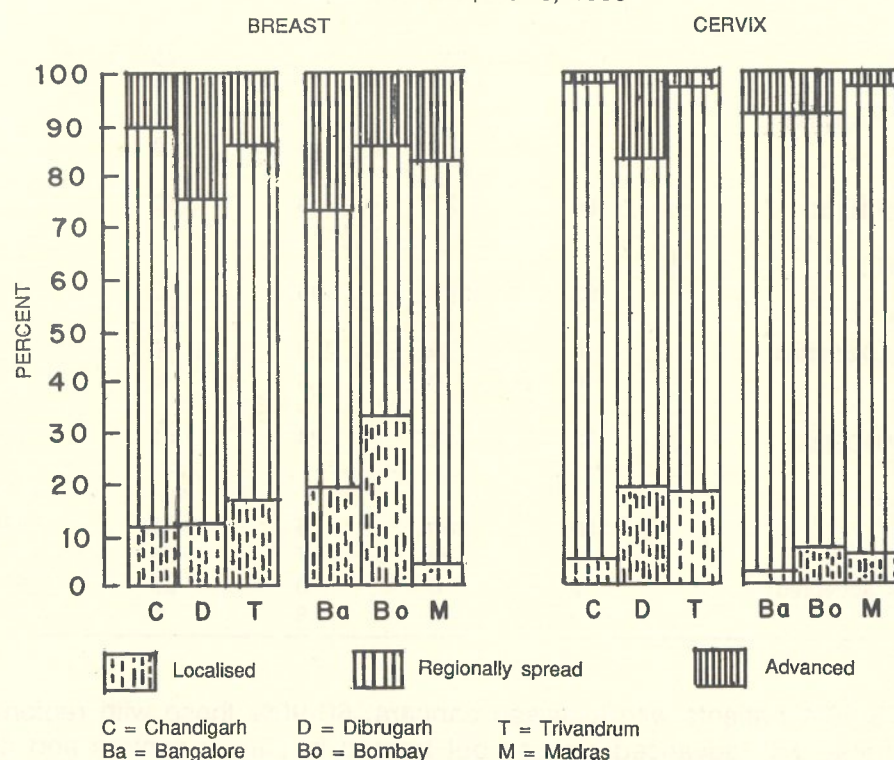
Classification of these cancers' spread using the FIGO system is more appropriate than the AJC system used herein. Part of the problem is the present coding system as defined in the NCRP form and its manual is not geared to using the FIGO system without using complicated intermediate codes. Hopefully, the new revised form should address this issue. Meantime, this is the best available data.

Around 5-7% patients in Chandigarh, Bombay, and Madras, have localised cancers, 18-20% in Dibrugarh and Trivandrum, and 1.5% in Bangalore. Regionally spread cancers constitute around 80-90% in all registries except Dibrugarh, with 64%. Assuming these include Stages II, III according to FIGO, around 80-90% cancers are in these two stage groups.

Table 4.3.2b : Extent of Disease : Cervical Cancers
HCRs, Females 1986

Registry	Patients Evaluated for Extent of Disease N	Localised %	Regionally Spread %	Advanced %
Chandigarh	463	5.2	92.7	2.2
Dibrugarh	67	19.4	64.2	16.4
Trivandrum	455	18.0	79.3	2.6
Bangalore	1282	1.5	90.0	8.5
Bombay	1301	6.8	84.6	8.5
Madras	1069	6.1	90.6	3.4

Figure 4.3.2: EXTENT OF DISEASE - BREAST & CERVICAL CANCERS
Females, HCRs, 1986



4.3.3 Conclusion

By far, most (over 80%) cervical cancers are spread at diagnosis, whereas around half to three-fourths breast cancers may be so. These extent data should be correlated with the treatment and discharge data to see how clinical downstaging of these common cancers can be achieved.

4.4 TREATMENT AND DISCHARGE PATTERNS OF BREAST AND CERVICAL CANCER PATIENTS ACCORDING TO THEIR EXTENT OF SPREAD

4.4.1 Breast Cancers

Treatment data are shown in Table 4.4.1a and Discharge data in Table 4.4.1b. Corresponding Figs 4.4. a-c are for treatment in different extent of disease categories and Figs 4.4. d-f for corresponding discharge data. Very few unknowns are observed.

Regardless of degree of spread of the cancer, higher frequencies of smaller numbers of patients get treated in the general hospitals than in the cancer centres. Treated patient frequencies are highest when the cancers are least disseminated, i.e. localised, and decrease with dissemination.

Table 4.4.1a : Treatment Patterns according to Extent of Spread : Breast Cancers
HCRs, Females - 1986

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS	N	14	5	29	28	150	10
Treatment status	%						
Treated		100	100	97	75	93	90
Not treated		0	0	3	7	3	10
Treatment not accepted		0	0	0	18	4	0
Unknown		0	0	0	0	1	0
REGIONALLY SPREAD	N	98	27	119	82	246	177
Treatment status	%						
Treated		93	96	95	62	83	90
Not treated		7	4	5	22	6	10
Treatment not Accepted		0	0	0	16	11	0
Unknown		0	0	0	0	0	0
ADVANCED CANCERS	N	13	10	24	41	64	38
Treatment status	%						
Treated		100	80	75	41	58	76
Not treated		0	20	17	32	11	24
Treatment not accepted		0	0	0	27	31	0
Unknown		0	0	8	0	0	0

About 75-90% patients with localised cancers, 60-90% those with regionally spread, and 40-75% those with advanced disease get treated in cancer centres and nearly 100% localised, 95% regionally spread, and 75-100% advanced cancers, in the general hospitals. Around 90-100% of these treated patients with localised cancers are improved at discharge and around 70-95% of those with regionally spread disease and 40-50% those with advanced disease. The condition at discharge must necessarily be correlated with the proportions of patients treated. Corresponding proportions of patients with improved condition at discharge, i.e. NED or regressed cancers, - decrease with increasing spread of disease, but do not show significant differences between general hospitals or cancer centres.

The remaining patients do not get treated, for whatever reason - including noncompliance, and nonacceptance of therapy. These nontreated patients range, therefore, from around 10-25% localised, 10-40% regionally spread, 24-60% advanced cancer patients in cancer centres and around 3% localised, 5% regionally spread and 20% advanced cancers in general hospitals.

**Table - 4.4.1b : Condition at Discharge of Treated Patients according to Extent of Spread
Breast Cancers
HCRs, Females, 1986**

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS	N	14	5	28	21	139	9
Discharge status	%						
NED*, Regressed		100	100	86	90	99	100
Unchanged		0	0	0	5	0	0
Prog*, Too Adv*, Died		0	0	0	5	1	0
Unknown & Other		0	0	14	0	0	0
REGIONALLY SPREAD	N	91	26	113	51	204	160
Discharge status	%						
NED*, Regressed		98	96	74	73	93	84
Unchanged		1	4	4	14	1	5
Prog*, Too Adv*, Died		1	0	8	14	6	0
Unknown & Other		0	0	13	0	0	11
ADVANCED CANCERS	N	13	8	18	17	37	29
Discharge status	%						
NED*, Regressed		46	13	44	41	41	55
Unchanged		46	50	39	18	5	10
Prog*, Too Adv*, Died		8	38	17	35	54	3
Unknown & Other		0	0	0	6	0	31

* NED = No Evidence of Disease; Prog = Progressed; Adv = Advanced

4.4.2 Cervical Cancers

See Table 4.4.2a and Figs 4.4. a-c for Treatment data and Table 4.4.2b and Figs 4.4.d-f for Discharge data.

Treatment patterns of cervical cancers in the reporting institution are of interest for several reasons. First, it is the most common cancer in women; second, it is very amenable to radiotherapy, which is less available outside the registry institutions than in them. This is seen also by the relatively lower frequencies of Other Group patients with cervical cancer compared to cancer breast patients. Third, from a cancer control point of view, if clinical downstaging of this cancer is to become a reality - as many as possible of early stage disease patients, i.e., localised to regionally spread in AJC terms, require easily available appropriate treatment. Early detection without adequate treatment facilities will not downstage this preventable disease.

**Table 4.4.2a Treatment Patterns according to Extent of Spread : Cervical Cancers
HCRs, Females, 1986**

		GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
		Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED. CANCERS	N	24	13	82	19	89	65
Treatment status	%						
Treated		100	92	90	63	79	85
Not Treated		0	8	9	37	10	15
Treatment not accepted		0	0	0	0	11	0
Unknown		0	0	1	0	0	0
REGIONALLY SPREAD	N	429	43	361	1154	1101	968
Treatment Status	%						
Treated		90	86	91	55	67	52
Not Treated		10	14	8	38	9	48
Treatment not accepted		0	0	0	6	24	0
Unknown		0	0	0	0	0	0
ADVANCED CANCERS	N	10	11	12	109	111	36
Treatment Status	%						
Treated		60	100	67	8	14	3
Not Treated		40	0	33	90	81	97
Treatment not accepted		0	0	0	1	5	0
Unknown		0	0	0	1	0	0

**Table-4.4.2b Condition at Discharge of Treated Patients according to Extent of spread-Cervical Cancers
HCRs, Females, 1986**

		General Hospital Registries			Cancer Centre Registries		
		Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS	N	24	12	74	12	70	55
Discharge status	%						
NED*, Regressed		96	100	86	75	96	100
Unchanged		4	0	4	0	0	0
Prog*, Too Adv*, Died		0	0	5	17	3	0
Unknown & Other		0	0	4	8	1	0
REGIONALLY SPREAD	N	384	37	328	640	738	501
Discharge status	%						
NED*, Regressed		86	51	83	62	90	97
Unchanged		14	43	7	2	83	3
Prog*, Too Adv*, Died		0	3	8	20	0	0
Unknown & Other		0	3	2	17	16	0
ADVANCED CANCERS	N	6	11	8	9		1
Discharge status	%						
NED*, Regressed		83	0	25	11	44	100
Unchanged		17	55	50	0	13	0
Prog*, Too Adv*, Died		0	36	25	78	44	0
Unknown & Other		0	9	0	11	0	0

* NED = No Evidence of Disease; Prog = Progressed; Adv = Advanced

4.4a: TREATMENT STATUS OF PATIENTS WITH
LOCALISED CANCERS OF
BREAST AND CERVIX

HCRs, Females 1986

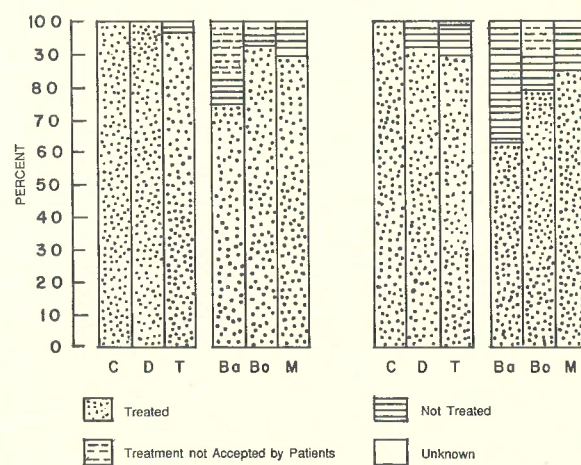
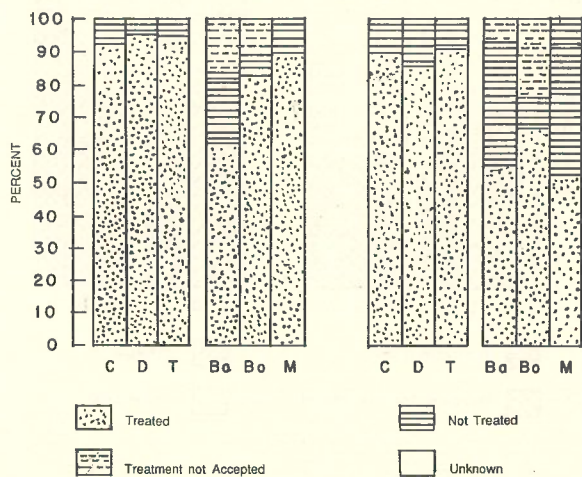


Figure 4.4a-c

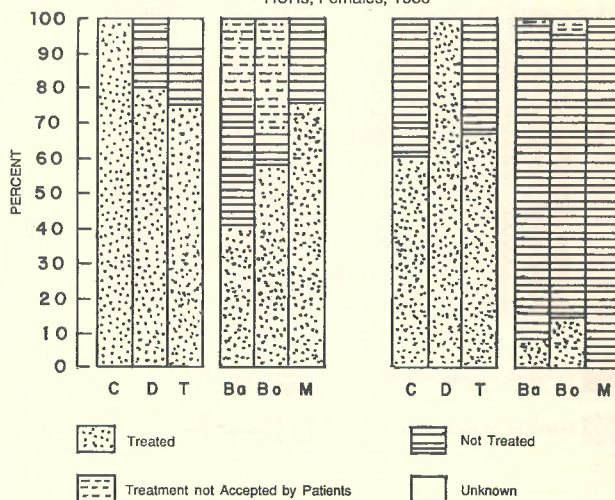
4.4b: TREATMENT STATUS of PATIENTS with
REGIONALLY SPREAD CANCERS of

Breast and Cervix
HCRs, Females, 1986



4.4c: TREATMENT STATUS of PATIENTS with ADVANCED CANCERS of

Breast and Cervix
HCRs, Females, 1986



4.4d: CONDITION AT DISCHARGE of TREATED PATIENTS
with LOCALISED CANCERS of

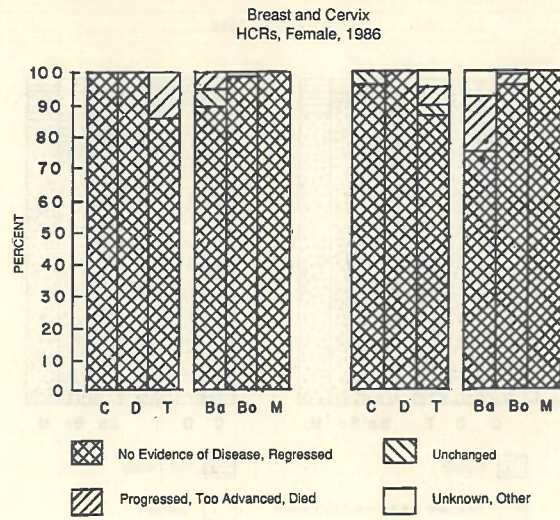
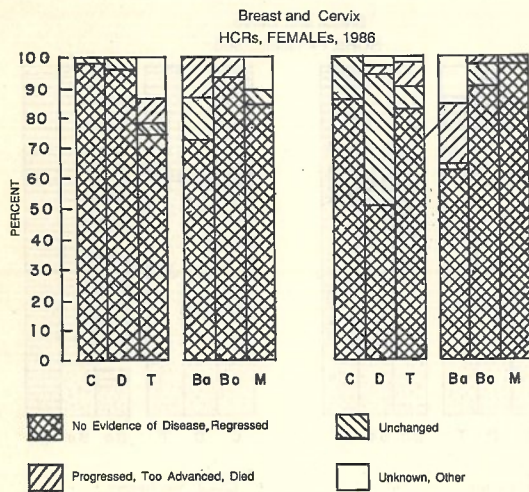
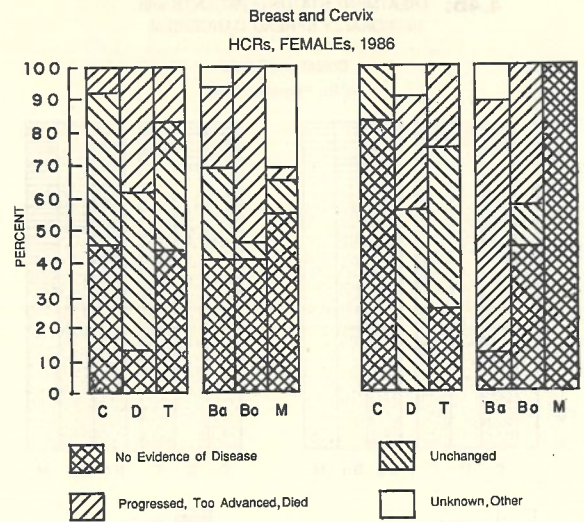


Figure 4.4d-f

4.4e: CONDITION AT DISCHARGE of TREATED
PATIENTS WITH REGIONALLY
SPREAD CANCERS OF



4.4f: CONDITION AT DISCHARGE of TREATED
PATIENTS with ADVANCED CANCERS OF



The major points to emerge from the data are :

i) Around 55-85% of patients with localised and regionally spread cancer get treated in the cancer centres and around 85-100% in the general hospitals.

ii) Patients not treated range from 15% to nearly 40% of those with localised and 33-48% with regionally spread cancers in the cancer centres and from 8-14% in general hospital patients in both groups. Reducing these proportions and understanding the factors for these high frequencies of noncompliance and nonacceptance of treatment in early stage disease is exceedingly important in cancer control strategy.

iii) Around 95-100% patients with localised cancers, and 75-85% in the other two registries, show NED & regressed cancer at discharge. Some 80-95% patients with regionally spread cancers in Chandigarh, Bombay, Madras and Trivandrum and 60% in Bangalore similarly are improved at discharge. Patients are few in Dibrugarh. No pattern distinguishes types of institutions.

The discharge status of patients with advanced cancers are associated with very low frequencies of treated patients.

5. ORAL, PHARYNGEAL, LARYNGEAL CANCERS

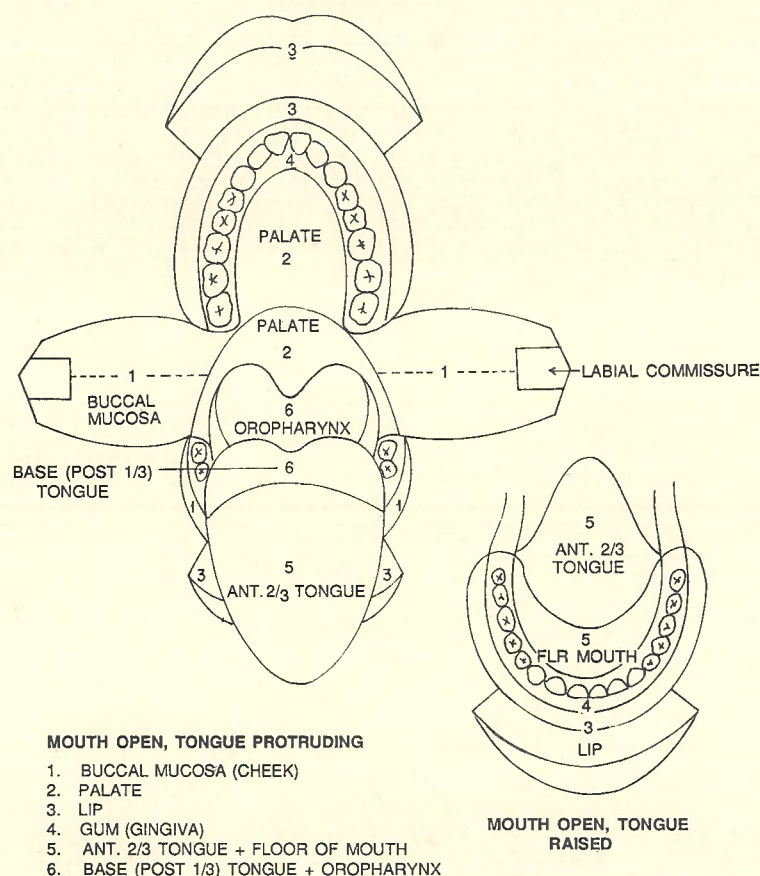
Diagnosis, Extent of Spread, Treatment & Discharge Patterns

This chapter describes the diagnosis and extent assessments, treatment and condition at discharge of oral, pharyngeal, and laryngeal cancer patients registered in the six hospital registries in 1986. These are the leading cancers in males and among the major cancers in females although their numbers are small in some registries.

5.1 ANATOMIC CLASSIFICATION USED

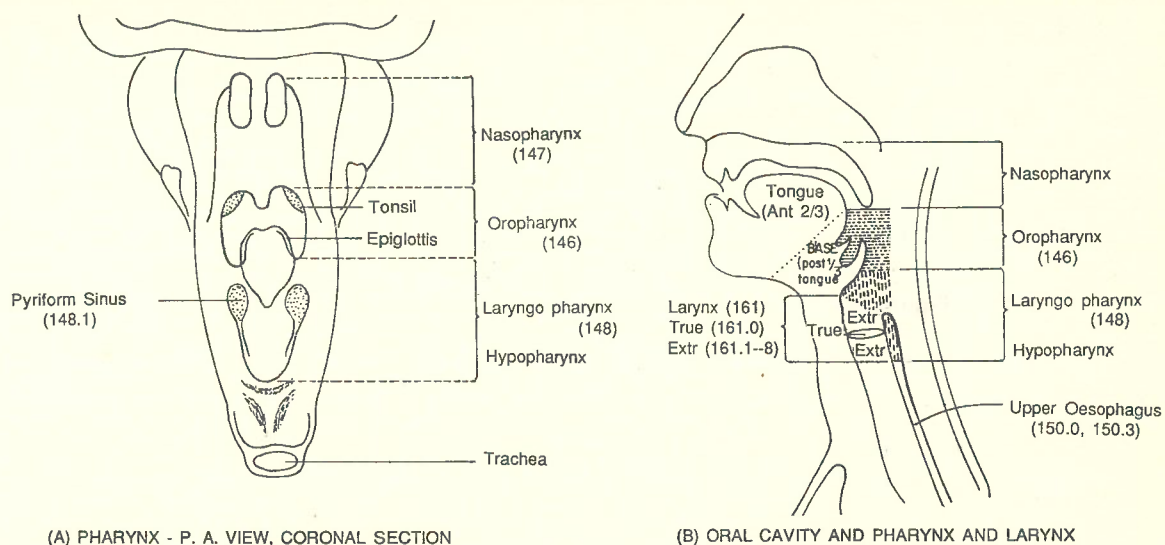
Cancers are grouped according to their classification by the ICD9 4th digit subcode, as described in Ch. 2. The areas of the mouth and other structures that come under the purview of Oral Cavity are shown in Fig. 5.1a. They exclude the base (posterior 1/3) tongue, soft palate and uvula. Those anatomic structures which belong to the Pharynx (Oro-, Hypo-, and Naso- pharynx,) are shown in Fig. 5.1b. Nasopharyngeal cancers, which are aetiopathogenetically and biologically different from the other pharyngeal cancers, are excluded. They are also few in all the registries except in Dibrugarh, but even in this registry they are prominent only in one ethnic group. The remaining pharyngeal cancers are known to be related to bidi smoking and smoking plus chewing.

**Figure 5.1a ORAL CAVITY, TONGUE AND OROPHARYNX
DIAGRAM
(ORAL CANCERS)**



MODIFIED FROM:
(SOURCE : ROED-PETERSEN / TIFR)

Figure 5.1b DIAGRAM



5.2 DISTRIBUTION AND DIAGNOSIS

Data are presented in Table 5.2 and Figs. 5.2a. These head and neck tobacco use-

Table 5.2 : Cancers of the Oral Cavity*, Pharynx**, Larynx –
Patient Numbers & Microscopic Diagnoses

(a) HCRs, Males - 1986

Registry	Patients	LIP & ORAL CAVITY			PHARYNX			LARYNX		
		n	(MV%)	%	n	(MV%)	%	n	(MV%)	%
Chandigarh	1090	41	(95)	3.8	134	(99)	12.3	54	(98)	4.9
Dibrugarh	928	59	(95)	6.4	349	(99)	37.6	44	(98)	4.7
Trivandrum	2297	422	(88)	18.4	193	(92)	8.4	96	(96)	4.2
Bangalore	2874	213	(98)	7.4	547	(94)	19.0	141	(87)	4.9
Bombay	6939	858	(96)	12.4	1373	(94)	19.8	457	(92)	6.6
Madras	2046	318	(57)	15.5	407	(70)	19.9	86	(81)	4.2
TOTAL	16174	1911	(88)	11.8	3003	(91)	18.6	878	(91)	5.4

(b) HCRs, Females - 1986

Registry	Patients	LIP & ORAL CAVITY			PHARYNX			LARYNX		
		n	(MV%)	%	n	(MV%)	%	n	(MV%)	%
Chandigarh	1325	25	(96)	1.9	34	(97)	2.6	9	(100)	0.7
Dibrugarh	385	23	(100)	6.0	44	(98)	11.4	2	(100)	0.5
Trivandrum	1935	274	(85)	14.2	37	(84)	1.9	5	(80)	0.3
Bangalore	3152	432	(99)	13.7	73	(93)	2.3	7	(86)	0.0
Bombay	5508	402	(96)	7.3	212	(93)	3.9	50	(96)	1.0
Madras	2408	257	(61)	10.7	79	(65)	3.3	8	(15)	0.0
TOTAL	14713	1413	(89)	9.6	479	(88)	3.3	81	(93)	0.6

* Lip & Oral Cavity excludes base tongue, soft palate, uvula

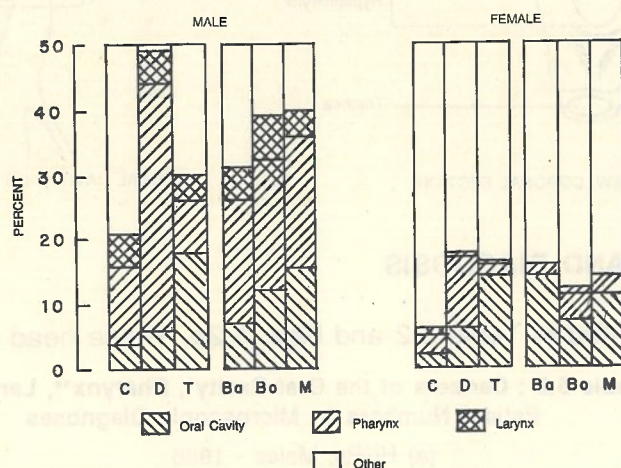
** Pharynx ICD9 Codes 146-149 includes base tongue, soft palate, uvula and excludes nasopharynx

MV = Microscopically Verified

related cancers compose around 5% - 20% of cancers in males and about 1 - 10% of cancers in females registered in the six hospitals. In males, pharyngeal cancers (12%-38%) lead in all registries except Trivandrum where oral cavity cancers (18%) lead. In females, oral cancer is the predominant head and neck cancer (2-14%) except in Dibrugarh (11% pharyngeal and 6% oral) and Chandigarh where the frequency of both these cancers in females is low. Laryngeal cancer is generally lower in frequency than pharyngeal and oral, and is particularly low in females.

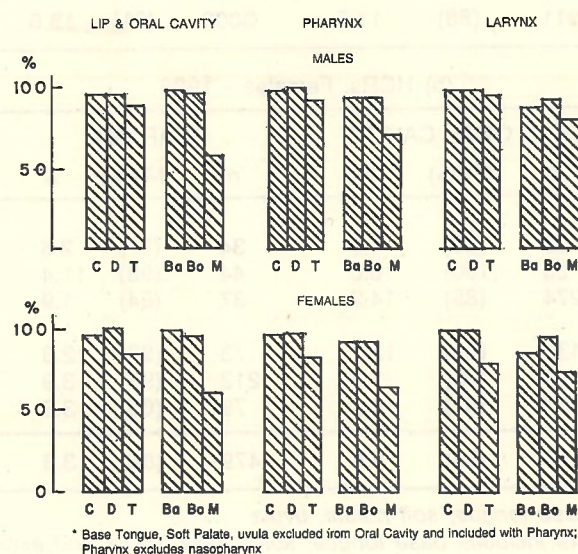
Proportions microscopically verified are also shown in Table 5.2 and Fig. 5.2b. Around

Figure 5.2a: DISTRIBUTION OF ORAL, PHARYNGEAL, LARYNGEAL CANCERS
PROPORTION OF ALL CANCERS
HCRs, 1986



80-100% diagnoses in males and around 90% in females with these three cancers are microscopic, except in Madras where around 60-80% such diagnoses in males and 60-70% in females are microscopic. Interestingly, the proportion so diagnosed in this registry increases from oral cavity to pharynx to larynx, i.e. it is least in the most accessible and most in the least accessible anatomic site for tissue sampling for microscopic examination.

Figure 5.2b: ORAL*, PHARYNGEAL*, LARYNGEAL, CANCERS
MICROSCOPIC DIAGNOSES
HCRs, 1986



* Base Tongue, Soft Palate, uvula excluded from Oral Cavity and included with Pharynx; Pharynx excludes nasopharynx

5.3 CANCER EXTENT PATTERNS

These are studied using the method described in Section 3.2, Ch. 3. First, patients who cannot be evaluated for extent of disease - "other" group in extent of disease - are excluded and the remaining cases are then analysed for extent patterns.

5.3.1 Patients Not Evaluated for Extent of Disease - "Other" Group

Please see Table 5.3.1. Bombay and Dibrugarh have higher percentages of these patients in males and females.

Table 5.3.1 : Oral*, Pharyngeal, Laryngeal Cancers Patients Not Evaluated for Extent of Disease : "Other" Group HCRs, 1986**
(a) Males

Registry	LIP & ORAL CAVITY			PHARYNX			LARYNX		
	Patients	n	%	Patients	n	%	Patients	n	%
Chandigarh	41	2	5	134	4	3	54	2	4
Dibrugarh	59	6	10	349	49	14	44	8	18
Trivandrum	422	17	4	193	3	2	96	2	2
Bangalore	213	11	5	547	9	2	141	2	1
Bombay	858	217	25	1373	200	15	457	81	18
Madras	318	35	11	407	31	8	86	7	8
TOTAL	1911	288	15	3003	296	10	878	102	12

(b) Females

Registry	LIP & ORAL CAVITY			PHARYNX			LARYNX		
	Patients	n	%	Patients	n	%	Patients	n	%
Chandigarh	25	0	0	34	0	0	9	0	0
Dibrugarh	23	2	9	44	8	18	2	1	50
Trivandrum	274	6	2	37	1	3	5	0	0
Bangalore	432	5	1	73	0	0	7	0	0
Bombay	402	90	22	212	23	11	50	7	14
Madras	257	31	12	79	9	11	8	0	0
TOTAL	1413	134	9	479	41	9	81	8	10

* Lip & Oral Cavity excludes base tongue, soft palate, uvula

** Pharynx ICD9 codes 146-149 including base tongue, soft palate, uvula and excluding nasopharynx

5.3.2 Extent of Disease of Oral, Pharyngeal, Laryngeal Cancers after excluding "Other" Group

Data are shown in Tables 5.3.2a-c and Fig. 5.3.2

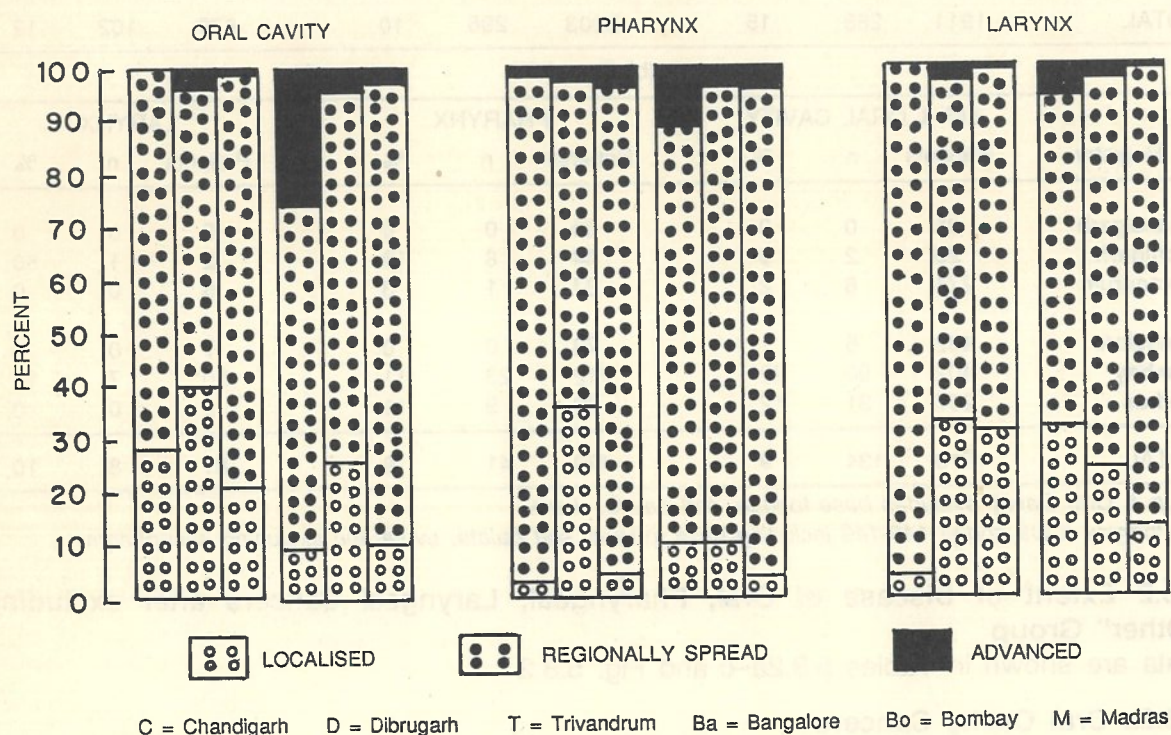
5.3.2a Oral Cavity Cancers

Numbers are small in Chandigarh and Dibrugarh in both gender groups. Dibrugarh shows around 40% localised cancers. Bombay, Chandigarh and Trivandrum register about 20-30% localised cancers; Madras and Bangalore are different with around 5-10% such cancers. Those regionally spread at diagnosis are about 90% of evaluable patients in Madras; in the other registries they range from 60-80%. Bangalore, where females exceed males with oral cancers, registers some 25-30% advanced cancers; in other registries these are less than 5%.

Table 5.3.2a : Lip & Oral Cavity* Cancers' Extent of Disease
HCRs, Males & Females, 1986

Registry	Patients Evaluated for Extent of Disease		Localised		Regionally Spread		Disseminated (Advanced)	
	M n	F n	M %	F %	M %	F %	M %	F %
Chandigarh	39	25	28	32	72	64	0	4
Dibrugarh	53	21	40	43	57	57	4	0
Trivandrum	405	268	21	22	78	77	1	1
Bangalore	202	427	9	8	65	60	26	32
Bombay	640	312	26	26	70	71	5	3
Madras	283	226	10	6	87	92	3	2
TOTAL	1622	1279	20	16	74	72	6	12

Figure 5.3.2: EXTENT OF DISEASE - ORAL, PHARYNGEAL, LARYNGEAL CANCERS
Excluding Patients' Not Evaluated - Other Group
HCRs, Male 1986



5.3.2b Pharyngeal Cancers

Males with this cancer exceed females by far in all registries. In male and female patients evaluable in Dibrugarh, a larger proportion (36%) have localised and a smaller

proportion (around 60%) have regionally spread cancer at first diagnosis than in the other registries. The patterns in the other registries show around 10-15% localised cancer and about 80-85% regionally spread at diagnosis.

**Table 5.3.2b : Pharyngeal * Cancers' Extent of Disease
HCRs, Males & Females, 1986**

Registry	Patients Evaluated for Extent of Disease		Localised		Regionally Spread		Disseminated (Advanced)	
	M n	F n	M %	F %	M %	F %	M %	F %
Chandigarh	130	34	3	9	95	91	2	0
Dibrugarh	300	36	36	36	61	58	3	6
Trivandrum	190	36	4	11	93	83	4	6
Bangalore	538	73	10	19	78	70	12	11
Bombay	1173	189	10	13	86	83	4	4
Madras	376	70	4	3	92	89	5	9
TOTAL	2707	438	11	14	84	80	5	6

5.3.2c Laryngeal Cancers

The data for males alone is studied as there are too few cancers in females. Even in males, only Bangalore and Bombay register more than 100 patients.

Localised cancers constitute around 25% of males with this cancer in all registries except for 10% in Chandigarh and Madras. Advanced cancers are few. Around 75% are regionally spread at first diagnosis.

**Table 5.3.2c : Laryngeal* Cancers' Extent of Disease
HCRs, Males & Females, 1986**

Registry	Patients Evaluated for Extent of Disease		Localised		Regionally Spread		Disseminated (Advanced)	
	M n	F n	M %	F %	M %	F %	M %	F %
Chandigarh	52	9	4	11	96	89	0	0
Dibrugarh	36	1	33	0	64	0	3	100
Trivandrum	94	5	31	20	68	80	1	0
Bangalore	139	7	32	0	62	86	6	14
Bombay	376	43	24	21	73	79	3	0
Madras	79	8	13	25	86	63	1	12
TOTAL	776	73	24	18	73	78	3	4

* Excluding patients not evaluated for extent of disease; UICC classification

5.4 TREATMENT AND DISCHARGE PATTERNS OF MALE PATIENTS ACCORDING TO THEIR EXTENT OF DISEASE

Treatment patterns are studied in each specific cancer patient group according to extent of spread of the cancer.

The patient's condition at discharge, in the absence of follow-up data is the only available measure of therapeutic effectiveness. This is analysed, for treated patients only. Where cases are few, the data are not presented.

Each cancer group is described separately. Where numbers are very small, - e.g. treated laryngeal cancer in females, discharge data are not presented.

5.4.1 Oral Cavity Cancers

Tables 5.4.1a&b and Figures 5.4.1a&b present the data on treatment patterns and

Figure 5.4.1a: TREATMENT STATUS OF PATIENTS WITH ORAL CAVITY CANCERS
HCRs, Males, 1986

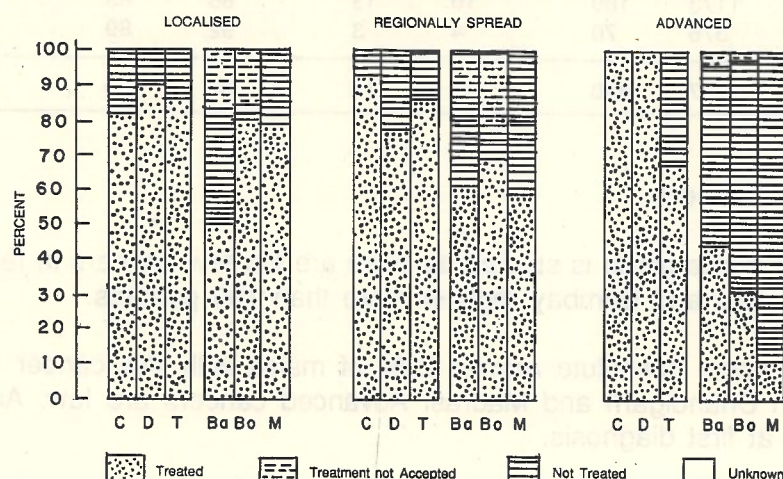
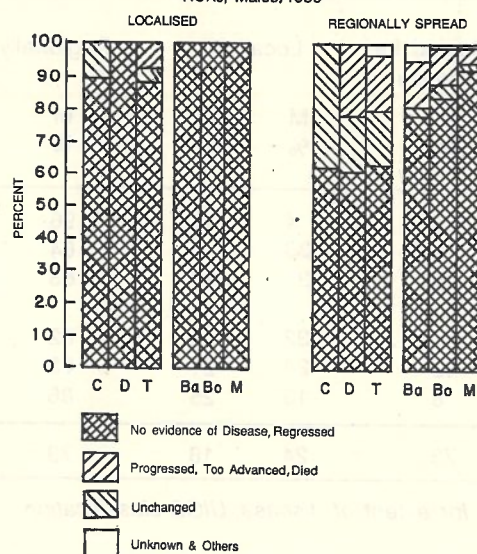


Figure 5.4.1b: CONDITION AT DISCHARGE OF TREATED PATIENTS WITH ORAL CAVITY CANCERS
HCRs, Males, 1986



**Table 5.4.1a : Treatment Patterns of Lip & Oral Cavity Cancers
According to the Extent of their Disease
HCRs, Males, 1986**

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	11	21	85	18	164	29
TREATMENT STATUS %						
Treated	82	90	86	50	80	79
Not Treated	18	10	14	33	4	21
Treatment not accepted	0	0	0	17	16	0
Unknown	0	0	0	0	0	0
REGIONALLY SPREAD CANCERS N	28	30	317	132	447	245
TREATMENT STATUS %						
Treated	93	77	86	61	69	59
Not Treated	7	23	13	27	9	41
Treatment not accepted	0	0	0	12	21	0
Unknown	0	0	1	1	1	0
ADVANCED CANCERS N	0	2	3	52	29	9
TREATMENT STATUS %						
Treated	0	100	67	44	31	11
Not Treated	0	0	33	52	66	89
Treatment not accepted	0	0	0	4	3	0
Unknown	0	0	0	0	0	0

**Table 5.4.1b : Condition at Discharge of Treated Patients with Lip & Oral Cavity Cancers
According to the Extent of their Disease
HCRs, Males, 1986**

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	9	19	73	9	131	23
DISCHARGE STATUS %						
NED* Regressed	89	100	88	100	100	100
Unchanged	11	0	4	0	0	0
Prog*, Too Adv*, Died	0	0	8	0	0	0
Unknown & Other	0	0	0	0	0	0
REGIONALLY SPREAD CANCERS N	26	23	274	80	308	145
DISCHARGE STATUS %						
NED* Regressed	62	61	63	78	83	92
Unchanged	38	17	17	3	4	2
Prog*, Too Adv*, Died	0	22	17	14	11	5
Unknown & Other	0	0	3	6	1	1
ADVANCED CANCERS N	0	2	2	23	9	1
DISCHARGE STATUS %						
NED* Regressed	0	0	50	61	44	0
Unchanged	0	100	0	0	0	100
Prog*, Too Adv*, Died	0	0	50	39	56	0
Unknown & Other	0	0	0	0	0	0

* NED = No Evidence of Disease; Prog = Progressed, Adv = Advanced

condition at discharge of treated male patients respectively. About 80-90% of localised cancers get treated in all registries except Bangalore where the cases are few. The number of treated patients with localised cancers is small except in Bombay and Trivandrum; around 90-100% show NED or regression at discharge.

Regionally spread cancer patients are distinct in cancer centres versus general hospitals. A larger proportion (80-90%) get treated in general hospitals but of those, about 60% show NED and regression at discharge. Whereas in cancer centres, while 60-70% get treated, about 80-90% of these show NED or regression at discharge. Advanced cancer cases are few; only Bangalore and Bombay have more than 10 cases; - 30-45% patients are treated.

5.4.2 Pharyngeal Cancers

See Fig. 5.4.2a & b and Tables 5.4.2a & b

Smaller frequencies of more patients with localised and regionally spread pharyngeal cancer are treated in cancer centres than in general hospitals. Localised cancers are few except in Dibrugarh and Bombay. Around 85-100% of these patients get treated in general hospitals compared to 45-70% in cancer centres. Some 83-100% patients with NED and regressed localised cancers at discharge are noted in the six registries; the distinction according to type of institution is less apparent with pharyngeal than with oral cancer. 90-95% patients with regionally spread disease get treated in general hospitals and 60-65% in cancer centres. Fewer patients with regionally spread cancer—some 60-80%—show NED or regression at discharge in most registries. Numbers of advanced cancers are small.

Figure 5.4.2a

TREATMENT STATUS OF PATIENTS
WITH PHARYNGEAL CANCERS
HCRs, Males 1986

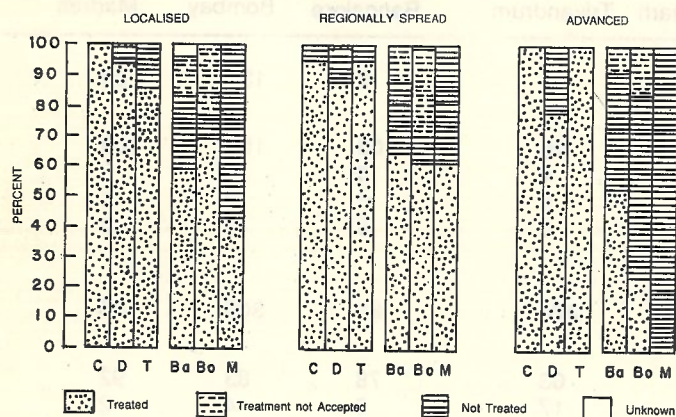


Figure 5.4.2b

CONDITION AT DISCHARGE OF TREATED PATIENTS WITH
PHARYNGEAL CANCERS
HCRs, Males 1986

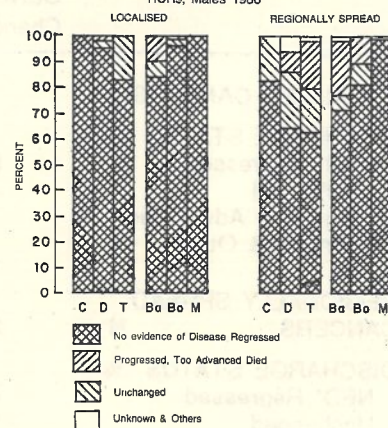


Table 5.4.2a : Treatment Patterns Pharyngeal Cancer
According to the Extent of their Disease
HCRs, Males, 1986**

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	4	108	7	54	119	14
TREATMENT STATUS %						
Treated	100	94	86	59	69	43
Not Treated	0	5	14	24	8	57
Treatment not accepted	0	0	0	13	24	0
Unknown	0	1	0	4	0	0
REGIONALLY SPREAD N	124	183	176	420	1010	345
TREATMENT STATUS %						
Treated	95	88	95	65	61	61
Not Treated	5	11	5	23	9	39
Treatment not accepted	0	0	0	13	29	0
Unknown	0	1	0	0	1	0
ADVANCED CANCERS N	2	9	7	64	45	17
TREATMENT STATUS %						
Treated	100	78	100	53	24	0
Not Treated	0	22	0	38	60	100
Treatment not accepted	0	0	0	9	16	0
Unknown	0	0	0	0	0	0

**Table 5.4.2b : Condition at Discharge of Treated Patients with Pharyngeal* Cancer
According to the Extent of their Disease
HCRs, Males, 1986**

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	4	106	6	32	82	6
DISCHARGE STATUS %						
NED* & Regressed	100	95	83	84	96	100
Unchanged	0	3	17	6	2	0
Prog*, Too Adv*, Died	0	1	0	9	1	0
Unknown & Other	0	1	0	0	0	0
REGIONALLY SPREAD N	118	169	168	272	616	210
DISCHARGE STATUS %						
NED* & Regressed	83	64	63	71	81	97
Unchanged	17	22	17	6	8	2
Prog*, Too Adv*, Died	0	8	18	21	11	1
Unknown & Other	0	6	2	2	0	0
ADVANCED CANCERS N	2	10	7	34	11	0
DISCHARGE STATUS %						
NED* Regressed	100	20	29	74	9	0
Unchanged	0	0	14	3	9	0
Prog*, Too Adv*, Died	0	80	43	24	82	0
Unknown & Other	0	0	14	0	0	0

* NED = No Evidence of Disease; Prog = Progressed, Adv = Advanced

** ICD 9 Codes 1460-1499; includes base tongue, soft palate, uvula; excludes nasopharynx (1470)

Table 5.4.3a : Treatment Patterns of Laryngeal Cancers
According to the Extent of Spread
HCRs, Males, 1986

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	2	12	29	44	89	10
TREATMENT STATUS %						
Treated	100	100	86	50	80	100
Not Treated	0	0	10	20	4	0
Treatment not accepted	0	0	0	30	16	0
Unknown	0	0	3	0	0	0
REGIONALLY SPREAD N	50	23	64	86	276	68
TREATMENT STATUS %						
Treated	82	96	91	60	65	68
Not Treated	18	4	9	21	8	32
Treatment not accepted	0	0	0	19	25	0
Unknown	0	0	0	0	1	0
ADVANCED CANCERS N	0	1	1	9	11	1
TREATMENT STATUS %						
Treated	0	100	0	22	27	0
Not Treated	0	0	10	67	73	100
Treatment not accepted	0	0	0	11	0	0
Unknown	0	0	0	0	0	0

Table 5.4.3b : Condition at Discharge of Treated Patients with Laryngeal Cancer
According to the Extent of Spread
HCRs, Males, 1986

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	2	12	25	22	71	10
DISCHARGE STATUS %						
NED*, Regressed	100	100	100	91	99	100
Unchanged	0	0	0	5	1	0
Prog*, Too Adv*, Died	0	0	0	5	0	0
Unknown & Other	0	0	0	0	0	0
REGIONALLY SPREAD N	41	22	58	52	180	46
DISCHARGE STATUS %						
NED*, Regressed	88	73	71	77	89	93
Unchanged	12	14	19	0	4	4
Prog*, Too Adv*, Died	0	5	10	17	7	2
Unknown & Other	0	9	0	6	1	0
ADVANCED CANCERS N	0	1	0	2	3	0
DISCHARGE STATUS %						
NED*, Regressed	-	0	-	50	0	-
Unchanged	-	0	-	50	0	-
Prog*, Too Adv*, Died	-	1	-	0	100	-
Unknown & Other	-	0	-	0	0	-

* NED = No Evidence of Disease; Prog = Progressed, Adv = Advanced

5.4.3 Laryngeal Cancers

See Fig. 5.4.3a & b and Tables 5.4.3a & b

Figure 5.4.3a: TREATMENT STATUS OF PATIENTS WITH LARYNGEAL CANCERS
HCRs, Males 1986

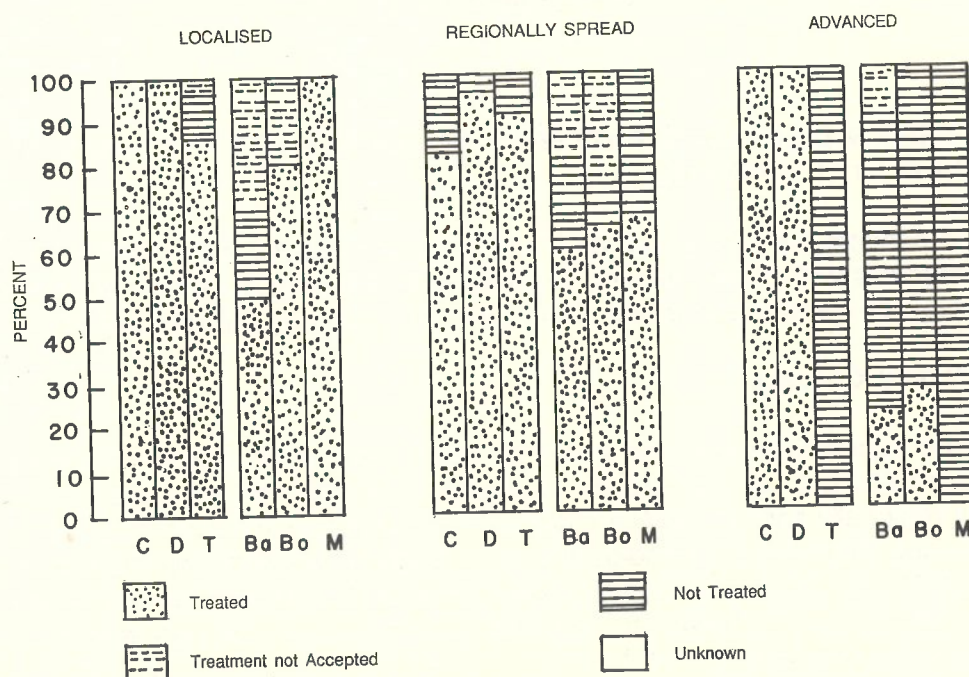
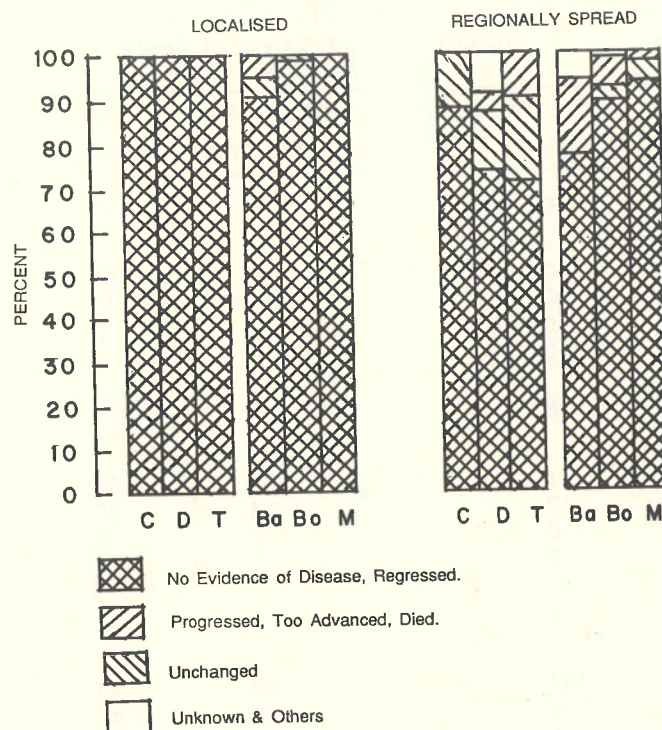


Figure 5.4.3b: CONDITION AT DISCHARGE OF TREATED PATIENTS WITH LARYNGEAL CANCERS
HCRs, Males 1986



Patients with localised laryngeal cancers are few except in Bangalore and Bombay. 85-100% get treated except in Bangalore. Treated patients with localised cancers are few but show over 90% with NED or regression at discharge. A general hospital/cancer centre dichotomy is apparent with regionally spread disease : 80-95% patients treated in general hospitals and 60-70% in cancer centres. Patients with regionally spread disease who get treated show around 70-75% NED and regression in Dibrugarh, Trivandrum and Bangalore while around 90% in Bombay, Chandigarh and Madras do so. Advanced cancers are too few for analysis.

5.5 TREATMENT & DISCHARGE PATTERNS OF FEMALE PATIENTS ACCORDING TO THEIR EXTENT OF DISEASE

Female patients are considered as a single group because their numbers are smaller than those of males with these cancers. In pharyngeal & laryngeal cancer, the numbers are so small as to not warrant discussion. Only oral cavity cancer patients are discussed.

5.5.1 Oral Cavity Cancers

Localised cancers are few, and about 85-100% get treated, except in Bangalore and Madras where 50% get treated. Around 70-100% show NED or regression at discharge. Patients with regionally spread disease show a clear distinction in treatment patterns by type of institution and are few in Chandigarh and Dibrugarh. 80-90% are treated in general hospitals and 60-70% in cancer centres. Discharge status patterns do not show such a distinction. Around 75-95% show NED and regression in five registries with 60% such in Trivandrum. Advanced cancers are too few except in Bangalore where about 50% such patients get treated - and 34% of those show NED and regression at discharge. In sum, the pattern for oral cancers in females are not too different from those in males except in Bangalore where females exceed males with this cancer.

Table 5.5.1a : Treatment Patterns of Lip & Oral Cavity Cancers
According to the Extent of Spread
HCRs, Females, 1986

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS N	8	9	58	32	81	14
TREATMENT STATUS %						
Treated	100	89	88	50	85	50
Not Treated	0	11	12	44	2	50
Treatment not accepted	0	0	0	6	12	0
Unknown	0	0	0	0	0	0
REGIONALLY SPREAD N	16	12	206	257	221	208
TREATMENT STATUS %						
Treated	81	92	85	63	69	68
Not Treated	19	8	14	28	15	32
Treatment not accepted	0	0	0	8	16	0
Unknown	0	0	1	0	0	0
ADVANCED CANCERS N	1	0	4	138	10	4
TREATMENT STATUS %						
Treated	100	-	50	53	20	50
Not Treated	0	-	50	47	60	50
Treatment not accepted	0	-	0	0	20	0
Unknown	0	-	0	0	0	0

**Table 5.5.1b : Condition at Discharge of Treated Patients with Lip & Oral Cavity Cancer
According to the Extent of Spread
HCRs, Females, 1986**

	GENERAL HOSPITAL REGISTRIES			CANCER CENTRE REGISTRIES		
	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
LOCALISED CANCERS n	8	8	51	16	69	7
DISCHARGE STATUS %						
NED*, Regressed	88	100	84	69	97	100
Unchanged	13	0	8	0	1	0
Prog*, Too Adv*, Died	0	0	6	13	0	0
Unknown & Other	0	0	2	19	1	0
REGIONALLY SPREAD n	13	11	176	163	152	141
DISCHARGE STATUS %						
NED*, Regressed	77	73	60	74	82	95
Unchanged	23	18	19	1	5	1
Prog*, Too Adv*, Died	0	0	18	20	11	2
Unknown & Other	0	9	3	6	2	1
ADVANCED CANCERS n	1	0	2	73	2	2
DISCHARGE STATUS %						
NED*, Regressed	100	-	0	34	0	100
Unchanged	0	-	0	10	0	0
Prog*, Too Adv*, Died	0	-	1	51	100	0
Unknown & Other	0	-	1	5	0	0

* NED = No Evidence of Disease; Prog = Progressed, Adv = Advanced

5.6 GENERAL COMMENTS - ORAL, PHARYGEAL, LARYNGEAL CANCERS

If the data as coded represent the actual "spread" situation, these data may present the actual patient situation regarding these cancers which are classified with anatomical accuracy. The extent data have been crosschecked for accuracy against primary and secondary site histology codes. All patients previously treated or in any other way not accurately evaluable for extent of cancer have been excluded. Around 70-85% of all these cancers are regionally spread at first diagnosis. About 10-25% are localised. About 5% are disseminated.

Some 30-55% patients with localised pharyngeal cancer and about 40% with regionally spread disease in the cancer centres are not treated. Reasons for this needs evaluation. Since this is the leading cancer in males in the country, efforts to increase the proportion treated may yield valuable dividends in head & neck cancer downstaging.

It is important to correlate the proportions improved at discharge with the proportions treated - if the latter are fewer and selective, the outcome at discharge may show up as better.

We need to learn more about reasons for non-compliance and nonacceptance of treatment in women with oral cancer where 10-20% patients with regionally spread cancers in general hospitals and 30-40% such patients in cancer centres do not get treated.

6. POPULATION - BASED CANCER REGISTRIES

This is the fifth consolidated annual report of the National Cancer Registry Project (population - based cancer registries - PBCRs). The magnitude of cancer problem in a community can be studied through incidence rates. The population-based cancer registries assist in estimating such incidence rates in a well defined population of a geographical area.

6.1 DATA

This report includes incident cancer cases diagnosed during the five year period, between January 1, 1982 and December 31, 1986. New cases registered during the year 1986 by the three PBCRs i.e. Bangalore, Bombay and Madras are 11676. In earlier years, they had contributed 11217 cases in 1985, 10346 in 1984, 10191 in 1983 and 10088 in 1982.

The cases registered by Bhopal and Delhi registry during the year 1986 are 354 and 780 respectively. The registration data in these areas are still provisional.

Table 6.1 presents incident cancer cases registered by these registries.

Table 6.1 : Incident cases of Cancer Registered by the Population-Based Cancer Registries during the years 1982 through 1986 (Between January 1 and December 31)

Registry	Year	Males	Females	Totals
Bangalore	1982	969	1168	2137
	1983	979	1149	2128
	1984	966	1178	2144
	1985	1043	1080	2123
	1986	1055	1162	2217
Bombay	1982	3128	2526	5654
	1983	3125	2496	5621
	1984	3244	2715	5959
	1985	3470	2954	6424
	1986	3512	2987	6499
Madras	1982	982	1315	2297
	1983	1050	1392	2442
	1984	962	1281	2243
	1985	1133	1537	2670
	1986	1254	1706	2960
Bhopal *	1986	182	172	354
Delhi *	1986	434	346	780

* Provisional Figures

Cancer registries provided core data of registered cancer cases. Quality control checks, tabulations, statistical analysis and brief report has been done by Mr. D. K. Jain, Assistant Director, ICMR, New Delhi.

6.2 POPULATION

The population at risk covered by the five PBCRs are Bangalore 3.47 million (males : 1.83 million, females : 1.64 million), Bombay 10.07 million (males : 5.58 million, females : 4.49 million), Madras 3.63 million (males : 1.86 million, females : 1.77 million), Bhopal 0.97 million (males : 0.52 million, females : 0.45 million) and Delhi 7.72 million (males : 4.24 million, females : 3.48 million). The population has been estimated as on July 1, 1986 (the mid-point of the period between January 1, 1986 and December 31, 1986), from projections based on the 1971 and 1981 censuses.

These five registries cover a total urban population of 25.86 million which is about 3.7% of India's total population.

6.3 AGE INCIDENCE

The crude incidence rates for all ages, age - adjusted incidence rate (world population) and truncated (35-64 years) incidence rate (world population) per 100,000 population, among males and females, for all sites (ICD9 : 140-208), in Bangalore, Bombay and Madras, for the years 1982 through 1986 are compared in Table 6.3. No attempt has been made to compute incidence rates for Bhopal and Delhi as the data of these registries is still provisional.

Table 6.3 : Comparison of Incidence rates - Crude (CR), Age-adjusted (AAR) & Truncated (TR.), per 100,000 persons, between registries, 1982 through 1986. All sites (ICD. 9 : 140-209). All Ages.

Registry	Year	Males			Females		
		CR	AAR*	TR**	CR	AAR*	TR**
Bangalore	1982	60.8	110.8	187.5	82.0	146.7	317.8
	1983	59.2	108.5	175.1	77.9	139.4	306.4
	1984	56.3	102.0	178.3	76.6	141.8	305.4
	1985	58.8	109.5	173.6	67.8	124.8	264.5
	1986	57.7	107.0	180.3	70.8	129.4	282.7
Bombay	1982	64.4	123.7	192.8	66.5	117.5	223.7
	1983	62.1	115.5	186.2	63.1	108.6	212.3
	1984	62.3	122.0	182.6	65.8	113.9	225.9
	1985	64.4	123.9	188.5	68.6	120.3	237.7
	1986	62.9	118.9	181.3	66.5	115.2	226.4
Madras	1982	57.8	90.8	167.2	82.3	117.6	276.2
	1983	60.5	96.3	188.4	84.9	124.5	291.7
	1984	54.1	86.4	161.7	76.1	111.9	255.4
	1985	62.3	104.2	177.0	88.9	134.2	305.6
	1986	67.4	116.0	202.7	96.2	144.3	333.1

* World Population; ** (35-64 years : World Population)

The truncated incidence rate (TR), 35-64 years, is the most useful rate for comparing incidence data. Most of the cancer cases (more than 60%) in the Indian registries are in these ages and majority of the affected patients in these age groups usually come to hospital for treatment thus providing reliable information for cancer control programmes. Truncated rates perhaps also reduces the problems of unknown ages in older ages and of

under registration. The TR also show that there is some variation in the cancer incidence rates in males and females in these age groups in the Indian registries. This also suggests a possibility of differential under registration in the three registries to account for differences in the AAR.

6.4 CUMULATIVE INCIDENCE RATE

The cumulative incidence rate is a summary measure of the risk experience of a population over a longer time span or age interval. The cumulative incidence rate is a direct form of age-standardisation and it has a useful probabilistic interpretation. It is obtained by summing up the annual age-specific incidences for each year in the defined interval. It is a good approximation to the actuarial or cumulative risk. The cumulative incidence rates for the year 1986 for Bangalore, Bombay and Madras are compared with the Connecticut and presented for selected sites in Table 6.4

Table 6.4 : Cumulative Incidence Rates 0-74 years (Percent) of developing cancer for selected sites in Bangalore, Bombay, Madras and Connecticut (USA).

ICD. 9	SITE	Sex	Bangalore*	Bombay*	Madras*	Connecticut #
141	Tongue	M	0.50	0.83	0.70	0.4
		F	0.11	0.34	0.14	0.1
150	Oesophagus	M	1.22	1.10	0.88	0.7
		F	1.65	0.84	0.82	0.2
151	Stomach	M	1.70	0.75	2.46	1.2
		F	0.72	0.50	0.97	0.5
162	Lung	M	1.64	1.28	1.18	7.7
		F	0.22	0.21	0.18	2.2
174	Breast	F	2.15	2.76	2.49	8.6
180	Cervix	F	3.52	2.07	5.84	0.8

* For the year 1986

For the years 1973-1977

One reason for interest in the cumulative incidence rate is that it has a useful probabilistic interpretation. For instance, among women, in Madras the probability of developing uterine cervix cancer between 0-74 years is 5.84% while among Bombay women it is 2.07% and in Bangalore it is 3.52%. On the other hand the risk of developing uterine cervix cancer among women residing in Connecticut (USA) between 0-74 years is only 0.8%.

APPENDIX

THE HOSPITAL REGISTRY DATA AND ITS QUALITY CONTROL

A.1 DATA COLLECTION AND PROCESSING

Data are obtained from hospital patient records and personal interview of cancer patients by the social investigators in each registry in standardized forms. After coding, these data are entered into a computer in separate numeric (record length 124) and alphanumeric (record length 122) files.

The 1986 HCR data were received at the TW from the six registries from February to November 1988 on different media: magnetic tape, five-inch or eight-inch floppy diskettes, or on raw forms (from Dibrugarh and Trivandrum - not yet computerised). Data were transferred at the TW to five-inch diskettes or to a hard disk, after data entry, if necessary, for cleaning and further processing.

Computer programmes at the TW matched (i) the numbers of records in the numeric and alpha files (ii) checked for coding errors; (iii) cross-checked between data items for inconsistencies; and (iv) finally identified duplicate cases within each registry. The registries provided corrected codes in response to these requests for clarification from the TW. Data were then edited and tabulated for despatch to registries and analysis. The schedule of data receipt and processing is shown in Table A.1.

TABLE A.1 - SCHEDULE of 1986 HCR DATA RECEIPT & PROCESSING

Event	Chandigarh	Dibrugarh	Trivandrum	Bangalore	Bombay	Madras
Date of complete data set receipt at TW	8.3.88	22.2.88	28.11.88	Before 1.7.88	31.7.88	Before 1.7.88
Development of New Checklist Computer Programme at TW from 22.6.88 to 10.8.88						
First Checklist Printout sent by TW	16.8.88	16.8.88	30.9.88	18.8.88	22.9.88	16.8.88
Final corrected data received at TW	2.9.88	4.10.88	30.12.88	30.9.88	8.10.88	8.9.88
Tabulations sent by TW to Registry	12.9.88	7.10.88	--	6.10.88	13.10.88	22.9.88

A.2 CODING ERRORS AND INCONSISTENCIES IN 1986 :

Overall, 1996 records (6.4%) of 31,258 needed clarification by the registries. The range was 1.48 to 14.9% of submitted cases. Specific problems existed in certain registries. Date of diagnosis prior to 1986 was commonly found in some data, indicating that late registrations were lumped with 1986 data. Late registrations should be sent in separate files for the given year's cases to make data processing easier both in the registries and at the TW.

Coding errors were few and most of these were new codes devised by the registries for specific situations they faced, but about which the TW was not previously informed. Improved communication is also a great need.

Inconsistencies between data items were mostly between ICDO and ICD9 site codes; extent of disease and site codes; extent of disease and existence of a metastasis; unknown extent codes with known histology of the metastasis, and similar medical data.

A.3 ISSUES FROM 1986 DATA CHECKS

Problems arose in checking the data when new codes were used by the registries without informing the TW, when date of diagnosis was not 1986 and when the record length was different from that used in previous years and/or not the one specified in the Coding Manual. One registry added a data item at the end of the numeric file.

Processing of the data would be easier if registries organised (sorted) data in the order of case number before sending them to the TW. Despatch of data needs to be more timely; half-yearly or quarterly submission may help in ensuring this.

There were many unknowns in items of treatment, discharge status and extent of disease. Extent coded as unknown was usually seen when the primary site was unknown but a metastatic site had been sampled. In this situation some registries coded extent as regionally or distantly spread or advanced, while others coded it as unknown. There needs to be a consensus on this issue.

A.4 RATIONALE FOR A REVISED FORM

As mentioned above, there were many unknowns for certain data items and inconsistencies between data items on extent of disease and treatment. Further, codes in some data items, e.g. extent of disease, were not mutually exclusive, leading to ambiguity in the data. Therefore it seems advisable to simplify the proforma to make it easier to abstract and code data, thus reducing inaccuracies. It should also make the coding system more unequivocal. Also, so far no mechanism of collecting follow-up information on patients exists. This is needed to assess treatment effectiveness on a longer term by survival analysis.

In view of this, a new HCR draft form has been developed in the past year, including comments and suggestions from several registries and the entire project. This form should be ready for pretesting this year.

PART II

**INDIVIDUAL HOSPITAL
CANCER REGISTRY DATA**

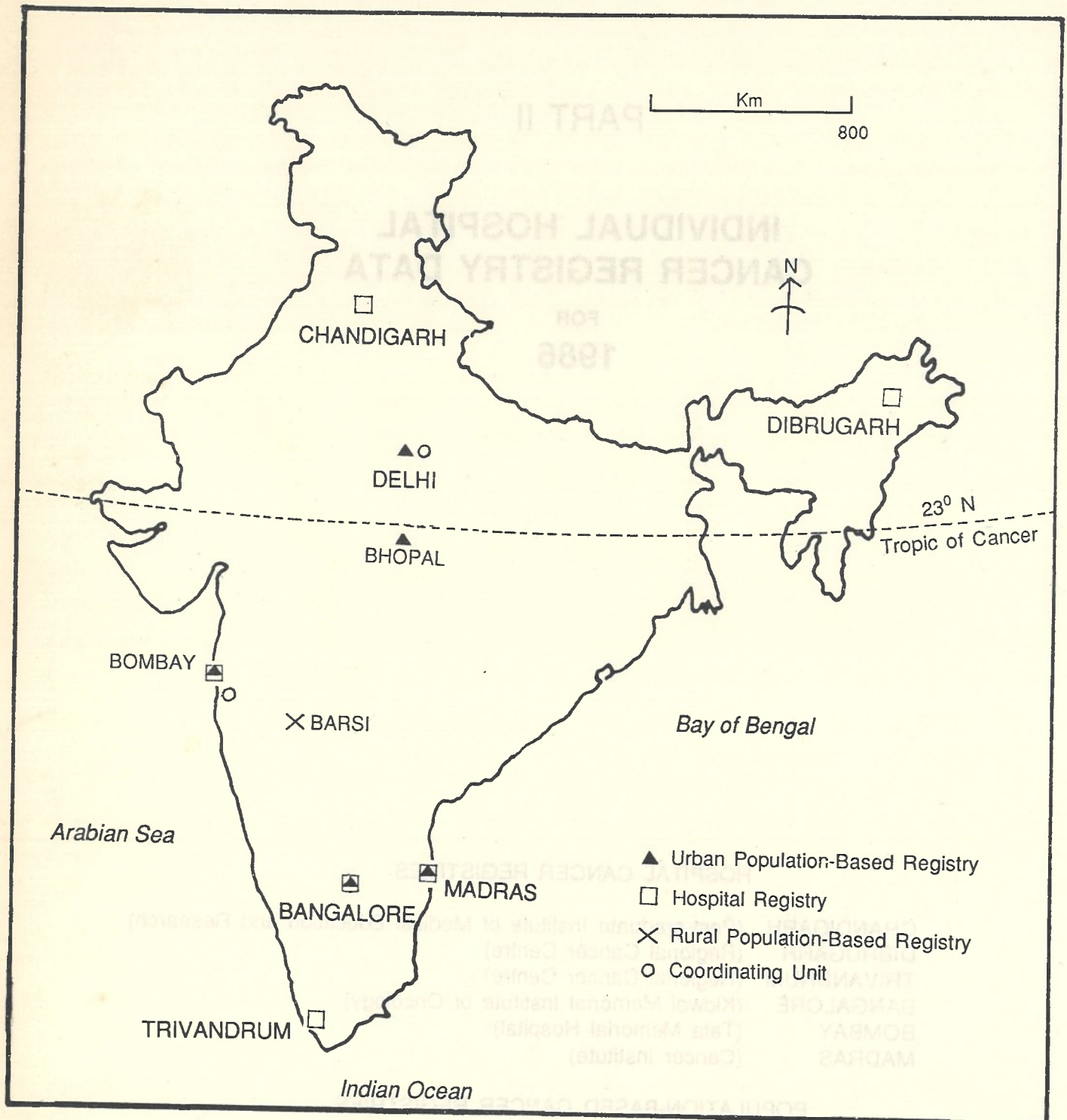
**FOR
1986**

HOSPITAL CANCER REGISTRIES

CHANDIGARH	(Post-graduate Institute of Medical Education and Research)
DIBRUGARH	(Regional Cancer Centre)
TRIVANDRUM	(Regional Cancer Centre)
BANGALORE	(Kidwai Memorial Institute of Oncology)
BOMBAY	(Tata Memorial Hospital)
MADRAS	(Cancer Institute)

POPULATION-BASED CANCER REGISTRIES
BANGALORE, BOMBAY, MADRAS

NATIONAL CANCER REGISTRIES IN INDIA



HOSPITAL CANCER REGISTRY : CHANDIGARH

This hospital registry is located in the Post-Graduate Institute of Medical Education and Research (PGI), a major referral and speciality - oriented medical centre in the Union Territory of Chandigarh. Its population is 450,061 people, according to the 1981 census

From the inception of this registry in 1982 until 1986, a total of 12,021 cancer patients have been registered, of which 7,269 were registered from 1984 to 1986. The patients are from different states - 45 % Punjab, 17 % Himachal Pradesh, 14 % Haryana, 8 % the Union Territory of Chandigarh, and 16% elsewhere (Uttar Pradesh, Rajasthan, Jammu & Kashmir, and others). The most frequently spoken language in this patient catchment area is Punjabi followed by Hindi. Religious affiliations identify cultural and lifestyle factors; the major religious groups in the population are Sikh, Hindu and Muslim.

Cancer patients report to various clinics and departments of the Nehru Hospital attached to PGI. Data collecting cells are based in the Radiotherapy, Surgery, Neurosurgery, Pathology, and the Central Registration Departments. Their records are screened by cancer registry staff and pertinent cases abstracted in the cancer registry files.

Whenever possible histopathology reports are obtained; if not, the diagnosis is based on clinical, radiologic and other grounds. A special file, completed by medical personnel and cancer registry staff, records treatment and follow-up. Registration of cancer patients attending various OPDs besides those of gynecology and obstet, ENT, eg. orthopedics and dermatology, is also attempted.

Data collected are pooled in the Central cell in the Dept of Radiotherapy. Registry data are screened, matched for duplicates, and coded by registry staff. All registered cases are fed into a computer; records are maintained for retrieval.

COMMENT : A total of 2415 cancer patients were registered in 1986 compared to 2428 in 1985 and 2426 in 1984. The total hospital bed strength was 794 in these three years, a fraction of which were for cancer. Lung cancer was the most frequent cancer in males (around 11%), consistently since 1982. In women, the leading cancers were cervix uteri (over 40% in 1985 and 43% in 1986), followed by breast (15% in 1986). Interestingly, this registry included gall bladder cancer, relatively rare in other parts of India, among the ten most frequent cancers in women. The rate of microscopic diagnoses was over 90%. Around 10% cancers both in males and females - were diagnosed when localised. Over 90% of patients with localised cancers, and 83-84% with regionally spread disease, took cancer directed treatment.

SENIOR STAFF as of DECEMBER 1988

Dr. B.D.GUPTA, Project Chief
Dr. D.P.SINGH, Sr Research Officer (Med.)
Mr. S.P.S.BHATIA, Bio-statistician
Dr. S.PANDIT, Jr Research Officer (Med.)
Mr. S.SROA, Medical Record Officer
(till 31 July 1988)

HOSPITAL CANCER REGISTRY CHANDIGARH										SEX : MALE				YEAR : 1986			
METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS																	
ICD 9th	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS							
		n	%	n	%	n	%	n	%	n	%						
140	LIP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
141	TONGUE	63	100.0	0	0.0	0	0.0	0	0.0	63	100.0						
142	SALIVARY GLANDS	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0						
143	GUM	7	87.5	1	12.5	0	0.0	0	0.0	8	100.0						
144	FL OF MOUTH	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
145	OTHER MOUTH	20	95.2	1	4.8	0	0.0	0	0.0	21	100.0						
146	OROPHARYNX	27	100.0	0	0.0	0	0.0	0	0.0	27	100.0						
147	NASOPHARYNX	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0						
148	HYPOPHARYNX	49	96.1	0	0.0	0	0.0	0	0.0	51	100.0						
149	PHARYNX ETC	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0						
150	CECOPHAGUS	57	93.4	1	1.6	0	0.0	0	0.0	61	100.0						
151	STOMACH	29	82.9	1	2.9	0	0.0	5	14.3	35	100.0						
152	SM INTEST	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0						
153	COLON	19	100.0	0	0.0	0	0.0	0	0.0	19	100.0						
154	RECTUM	30	90.9	0	0.0	1	3.0	2	6.1	33	100.0						
155	LIVER	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0						
156	GALLBLADDER	7	70.0	2	20.0	0	0.0	1	10.0	10	100.0						
157	PANCREAS	4	36.4	1	9.1	0	0.0	6	54.5	11	100.0						
158	RETROPERIT	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0						
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
160	NASAL CAVITY	19	100.0	0	0.0	0	0.0	0	0.0	19	100.0						
161	LARYNX	53	98.1	0	0.0	0	0.0	1	1.9	54	100.0						
162	LUNG	93	80.9	20	17.4	0	0.0	2	1.7	115	100.0						
163	PLEURA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
164	THYMUS	2	66.7	1	33.3	0	0.0	0	0.0	3	100.0						
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
170	BONE	22	100.0	0	0.0	0	0.0	0	0.0	22	100.0						
171	CONNECTIVE TISS	27	96.4	1	3.6	0	0.0	0	0.0	28	100.0						
172	SKIN MEL	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0						
173	SKIN OTH	36	100.0	0	0.0	0	0.0	0	0.0	36	100.0						
175	BREAST MALE	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0						
185	PROSTATE	39	97.5	0	0.0	1	2.5	0	0.0	40	100.0						
186	TESTIS	28	100.0	0	0.0	0	0.0	0	0.0	28	100.0						
187	PENIS ETC	25	96.2	0	0.0	1	3.8	0	0.0	26	100.0						
188	URI BLADDER	25	96.2	0	0.0	0	0.0	1	3.8	26	100.0						
189	KIDNEY	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0						
190	EYE	9	90.0	0	0.0	1	10.0	0	0.0	10	100.0						
191	BRAIN	49	89.1	2	3.6	0	0.0	4	7.3	55	100.0						
192	NERV SYST	2	66.7	1	33.3	0	0.0	0	0.0	3	100.0						
193	THYR GLAND	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0						
194	OTH ENDO GLDS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0						
195	ILLDEF SITE	7	87.5	0	0.0	1	12.5	0	0.0	8	100.0						
196	SEC LY NODE	28	96.6	0	0.0	1	3.4	0	0.0	29	100.0						
197	SEC RES ETC	11	84.6	1	7.7	0	0.0	1	7.7	13	100.0						
198	SEC OTH	15	93.8	1	6.3	0	0.0	0	0.0	16	100.0						
199	PRIM UNK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
200	LYMPHOMA	22	100.0	0	0.0	0	0.0	0	0.0	22	100.0						
201	HODGK DIS	15	100.0	0	0.0	0	0.0	0	0.0	15	100.0						
202	OTH LYMPHOMA	25	96.2	1	3.8	0	0.0	0	0.0	26	100.0						
203	MULT MYELOMA	7	77.8	0	0.0	0	0.0	2	22.2	9	100.0						
204	LEUK LYMPH	36	100.0	0	0.0	0	0.0	0	0.0	36	100.0						
205	LEUK MYEL	42	100.0	0	0.0	0	0.0	0	0.0	42	100.0						
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
208	LEUK UNSPEC	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
ALL SITES TOTALS		1019	93.5	35	3.2	6	0.6	30	2.8	1090	100.0						

YEAR : 1986

SEX : FEMALE

NUMBERS AND PROPORTIONS

CANCER BY SITE-

METHODS OF DIAGNOSIS OF CANCER

HOSPITAL CANCER REGISTRY CHANDIGARH

ICD 9TH

ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0
141	TONGUE	10	100.0	0	0.0	0	0.0	0	0.0	10	100.0
142	SALIVARY GLANDS	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
143	GUM	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
144	FL OF MOUTH	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0
145	OTHER MOUTH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
146	OROPHARYNX	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
147	NASOPHARYNX	25	96.2	0	0.0	0	0.0	1	3.8	26	100.0
148	HYPOPHARYNX	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
149	PHARYNX ETC	58	95.1	0	0.0	0	0.0	3	4.9	61	100.0
150	ESOPHAGUS	9	90.0	0	0.0	0	0.0	1	10.0	10	100.0
151	STOMACH	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
152	SM INTEST	14	82.4	0	0.0	0	0.0	3	17.6	17	100.0
153	COLON	22	91.7	0	0.0	1	4.2	1	4.2	24	100.0
154	RECTUM	2	50.0	1	25.0	0	0.0	1	25.0	4	100.0
155	LIVER	13	72.2	2	11.1	0	0.0	3	16.7	18	100.0
156	GALLBLADDER	0	0.0	1	16.7	0	0.0	5	83.3	6	100.0
157	PANCREAS	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
158	RETROPERIT	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
159	OTH DIG SYST	12	100.0	0	0.0	0	0.0	0	0.0	12	100.0
160	NASAL CAVITY	9	100.0	0	0.0	0	0.0	0	0.0	9	100.0
161	LARYNX	10	90.9	1	9.1	0	0.0	0	0.0	11	100.0
162	LUNG	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
163	PLEURA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
164	THYMUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
165	OTH RES SYST	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
170	BONE	24	100.0	0	0.0	0	0.0	0	0.0	24	100.0
171	CONNECTIVE TISS	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
172	SKIN MEL	15	100.0	0	0.0	0	0.0	0	0.0	15	100.0
173	SKIN OTH	192	100.0	0	0.0	0	0.0	0	0.0	192	100.0
174	BREAST FEM	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
179	UTERUS UNSP	562	98.9	0	0.0	6	1.1	0	0.0	568	100.0
180	CERVIX UTERI	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
181	PLACENTA	29	96.7	0	0.0	1	3.3	0	0.0	30	100.0
182	BODY UTERUS	40	97.6	0	0.0	0	0.0	1	2.4	41	100.0
183	OVARY	10	100.0	0	0.0	0	0.0	0	0.0	10	100.0
184	VAGINA	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
188	URI BLADDER	3	75.0	1	25.0	0	0.0	0	0.0	4	100.0
189	KIDNEY	9	100.0	0	0.0	0	0.0	0	0.0	9	100.0
190	EYE	35	81.4	3	7.0	0	0.0	5	11.6	43	100.0
191	BRAIN	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
192	NERV SYST	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
193	THYR GLAND	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
194	OTH ENDO GLDS	6	85.7	1	14.3	0	0.0	0	0.0	7	100.0
195	ILDEF SITE	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0
196	SEC LY NODE	23	88.5	0	0.0	3	11.5	0	0.0	26	100.0
197	SEC RES ETC	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
198	SEC OTH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
199	PRIM UNK	15	100.0	0	0.0	0	0.0	0	0.0	15	100.0
200	LYMPHOMA	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
201	HODGK DIS	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
202	OTH LYMPHOMA	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
203	MULT MYELOMA	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0
204	LEUK LYMPH	21	100.0	0	0.0	0	0.0	0	0.0	21	100.0
205	LEUK MYEL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
208	LEUK UNSPEC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ALL SITES TOTALS		1279	96.5	10	0.8	12	0.9	24	1.8	1325	100.0

HOSPITAL CANCER REGISTRY CHANDIGARH

SEX : MALE

YEAR : 1986

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
141	TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	5.78
142	SALIVARY GL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.55
143	GUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.73
144	FL OF MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.09
145	OTHER MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	1.93
146	OROPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	2.48
147	NASOPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.37
148	HYPOPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	4.68
149	PHARYNX ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	5.60
150	OESOPHAGUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	3.21
151	STOMACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.37
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	1.74
153	COLON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	3.03
154	RECTUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1.28
155	LIVER	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0.92
156	GALLBLADDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1.01
157	PANCREAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.18
158	RETROPERIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	1.74
160	NASAL CAVIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	4.95
161	LARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	10.55
162	LUNG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.09
163	PLEURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.28
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	2.02
170	BONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	2.57
171	CONNECTIVE	2	1	2	4	3	2	1	0	0	0	0	0	0	0	0	0	0	6	0.55
172	SKIN MEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	3.30
173	SKIN OTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.55
175	BREAST MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	3.67
185	PHOSTATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	2.57
186	TESTIS	1	0	1	1	1	1	2	2	1	1	2	3	4	0	0	0	0	26	2.39
187	PENIS ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1.28
188	UTI BLADDER	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0.92
189	KIDNEY	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	55	5.05
190	EYE	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.28
191	BRAIN	4	7	6	5	3	1	4	7	3	6	0	0	0	0	0	0	0	5	0.46
192	NEKV SYST	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0.18
193	THYK GLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.73
194	OTH ENDO GL	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	2.66
195	ILLDEF SITE	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1.19
196	SEC LY NODE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1.47
197	SEC RES ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
198	SEC OTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	2.02
199	PRIM UNK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1.38
200	LYMPHOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	2.39
201	HODGK DIS	0	1	1	3	1	4	1	2	0	1	1	1	0	0	0	0	0	9	0.83
202	OTH LYMPHOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	3.30
203	MULT MYELOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	3.85
204	LEUK LYMPH	13	8	3	2	2	0	1	1	1	2	0	0	0	0	0	0	0	0	0.00
205	LEUK MYEL	2	3	1	1	7	6	6	5	3	3	0	1	0	0	0	0	0	0	0.00
206	LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.09
207	LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208	LEUK UNSPEC	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL		36	26	25	36	37	48	46	60	72	119	124	132	134	86	62	47	0	1090	100.00

HOSPITAL CANCER REGISTRY CHANDIGARH
NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

YEAR : 1986

SEX : FEMALE

ICD-9 SITE	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+	ANS	TOTAL	%
140 LIP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0.15
141 TONGUE	0	0	0	0	0	0	1	0	2	4	1	1	0	0	0	0	0	10	0.75
142 SALIVARY GL	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	3	0.23
143 GUM	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0	5	0.38
144 FL OF MOUTH	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	11	0.83
145 OTHER MOUTH	0	0	0	0	0	0	0	0	1	3	4	1	0	2	0	0	0	0	0.00
146 OROPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.08
147 NASOPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	1.96
148 HYPOPHARYNX	0	0	0	0	0	1	0	3	7	5	3	3	1	2	1	0	0	4	0.30
149 PHARYNX ETC	0	0	0	0	0	0	1	0	11	7	1	6	10	4	1	1	0	61	4.60
150 OESOPHAGUS	0	0	0	0	0	2	3	7	11	7	2	1	0	2	1	0	0	10	0.75
151 STOMACH	0	0	0	0	0	0	0	3	0	0	1	1	0	2	0	0	0	2	0.15
152 SM INTEST	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	17	1.28
153 COLON	0	0	0	0	0	2	2	2	2	3	3	2	4	1	2	1	0	24	1.81
154 RECTUM	0	0	0	0	0	4	2	2	2	3	3	2	2	1	2	1	0	18	1.36
155 LIVER	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	6	0.45
156 GALLBLADDER	0	0	0	0	0	0	0	0	2	4	1	2	2	1	1	0	0	1	0.08
157 PANCREAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.15
158 RETROPERIT	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	12	0.91
159 OTH DIG SYS	0	0	0	0	0	1	0	0	0	0	2	2	4	1	1	0	0	9	0.68
160 NASAL CAVIT	0	0	0	0	0	0	0	2	0	2	3	1	1	2	0	0	0	11	0.83
161 LARYNX	0	0	0	0	1	1	1	1	0	2	3	1	1	2	0	0	0	1	0.08
162 LUNG	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	0	0	0.00
163 PLEURA	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.00
164 THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.45
165 OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	1.81
170 BONE	1	0	0	0	1	5	7	2	0	1	1	1	1	2	0	0	0	3	0.23
171 CONNECTIVE	0	0	1	0	0	0	0	2	0	1	1	1	0	0	0	0	0	15	1.13
172 SKIN MEL	0	0	0	0	0	0	0	0	1	0	1	1	0	0	2	1	0	192	14.49
173 SKIN OTH	0	0	0	0	0	0	0	0	0	2	4	0	5	7	7	1	0	1	0.08
174 BREAST FEM	0	0	0	0	1	12	17	26	32	29	26	24	10	10	0	0	0	568	42.87
179 UTERUS UNS	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.00
180 CERVIX UTER	0	0	0	0	3	19	36	77	93	99	104	64	42	17	12	2	0	0	0.00
181 PLACENTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	2.26
182 BODY UTERUS	0	0	0	0	0	1	1	7	4	8	7	8	3	2	0	0	0	41	3.09
183 OVARY	0	0	2	0	1	3	1	7	4	1	2	1	1	1	2	0	0	10	0.75
184 VAGINA	1	0	0	0	0	1	1	1	0	1	1	0	0	0	1	0	0	6	0.45
188 UTR BLADDER	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0.30
189 KIDNEY	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	9	0.68
190 EYE	5	2	0	0	0	3	5	2	4	2	2	2	0	2	0	0	0	43	3.25
191 BRAIN	2	5	7	4	3	3	5	2	4	2	2	2	0	0	1	0	0	3	0.23
192 NEKV SYST	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8	0.60
193 THYR GLAND	0	0	0	0	1	1	1	1	1	0	2	1	0	1	0	0	0	1	0.08
194 OTH ENDO GL	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	7	0.53
195 ILLDEF SITE	0	0	0	0	0	1	1	0	0	0	1	0	2	1	0	0	0	14	1.06
196 SEC LY NODE	0	0	0	0	0	1	2	2	2	2	4	1	5	7	1	1	0	26	1.96
197 SEC RES ETC	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	8	0.60
198 SEC OTH	2	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	15	1.13
199 PRIM UNK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.60
200 LYMPHOSA	0	0	0	0	1	1	0	1	1	1	1	1	2	2	0	0	0	15	1.13
201 HODGK DIS	0	0	2	2	1	1	1	0	1	1	0	0	0	1	0	0	0	8	0.60
202 OTH LYMPHOM	0	1	0	0	1	2	1	0	1	0	0	0	0	0	0	0	0	6	0.45
203 MULT MYELOM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	4	0.30
204 LEUK LYMPH	0	2	3	1	0	1	1	1	0	0	1	0	1	0	0	0	0	11	0.83
205 LEUK MYEL	0	0	1	1	1	3	5	0	1	4	1	1	0	0	0	0	0	21	1.58
206 LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
207 LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208 LEUK UNSPEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	14	13	16	16	26	66	91	150	178	193	209	146	106	50	40	11	0	1325	100.00

HOSPITAL CANCER REGISTRY CHANDIGARH

SEX : MALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.4	ANT 2/3RD TONG	0	0	0	0	0	1	1	0	0	0	0	1	0	2	0	0	0	1
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	4
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8
143.1	LOWER GUM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	MOUTH OTHER																		
145.0	BUCCAL MUCOSA	0	0	0	1	0	0	3	0	2	0	1	3	1	1	1	0	0	21
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	14
145.2	HARD PALATE	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	3
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2

* BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

SEX : MALE

HOSPITAL CANCER REGISTRY CHANDIGARH

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		27
146.0	TONSIL	0	0	0	0	0	0	0	1	1	5	2	6	3	2	2	0	0	22
146.1	TONSIL FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.2	TONSIL PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	3
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	HYPOPHARYNX																		51
148.0	POSTCRICOID	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	4
148.1	PYRIF SINUS	0	0	0	0	0	0	1	1	2	1	6	7	4	1	0	1	0	24
148.2	ARYEPGL FOLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
148.9	HYPOPH NOS	0	0	0	0	1	1	0	1	4	4	5	2	1	2	0	0	0	22
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		4
149.0	PHARYNX NOS	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	4
149.1	WALL KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		61
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	1	1	0	3	0	0	1	0	8
150.3	UPP 3RD OESOPH	0	0	0	1	0	0	0	0	0	2	8	4	2	1	1	1	0	26
150.4	MID 3RD OESOPH	0	0	0	0	1	0	1	2	3	2	2	3	5	0	4	0	0	22
150.5	LOW 3RD OESOPH	0	0	0	0	0	1	0	2	2	3	0	0	1	0	0	1	0	5
150.8	OESOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.9	OESOPH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	LARYNX																		54
161.0	GLOTTIS	0	0	0	0	0	0	0	0	1	0	2	0	2	1	0	2	0	8
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	0	1	1	3	2	3	3	2	0	1	0	16
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	6	2	5	6	1	1	0	0	25
161.9	LARYNX NOS	0	0	0	0	0	0	0	1	3	0	2	0	0	0	1	0	0	3

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY CHANDIGARH

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	10
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	4
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.9	TONGUE NOS	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
143.1	LOWER GUM	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	1
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	MOUTH OTHER																		
145.0	BUCCAL MUCOSA	0	0	0	0	0	0	0	0	1	3	3	1	0	1	0	0	0	11
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
145.2	HARD PALATE	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY CHANDIGARH

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.1	TONS FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL OKO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL OKO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.8	OKO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	OKO NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	0	0	0	2	2	2	2	0	1	0	0	0	0	26
148.1	PYRIF SINUS	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	9
148.2	ARYEPICL FOLD	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
148.8	HYPOPH OTHER	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	0	0	0	0	0	0	2	2	1	2	0	1	0	0	0	10
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	4
149.1	WALD KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	1	0	1	0	2	1	1	0	0	6
150.4	MID 3RD OESOPH	0	0	0	0	0	0	2	3	6	4	3	7	2	2	0	1	0	32
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	0	3	4	2	2	2	3	1	0	0	0	17
150.8	OESOPH OTHER	0	0	0	0	0	0	1	1	0	1	0	1	2	0	0	0	0	6
150.9	OESOPH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
161.1	SUPRA GLOTTIS	0	0	0	0	1	0	0	1	0	1	1	1	0	0	0	1	0	6
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.8	LARYNX OTHER	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	3
161.9	LARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

HOSPITAL CANCER REGISTRY CHANDIGARH
EXTENT OF DISEASE GROUPS* EXCLUDING PATIENTS NOT EVALUATED FOR CANCER SPREAD (OTHER GROUP)**

ICD9	SITE	Males				Females				TOTAL-n		Males				Females				TOTAL		Males		Females		
		LOC	REG	DIS	%	LOC	REG	DIS	%	%	N	LOC	REG	DIS	%	%	N	LOC	REG	DIS	%	n	%	n	%	
140	LIP	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0	0.0	0.0	100.0	0.0	100.0	2	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	
141	TONGUE	15.3	83.1	1.7	100.0	40.0	60.0	0.0	100.0	59	100.0	0.0	66.7	33.3	100.0	10	4	6.3	63	0	0.0	4	6.3	63	0	0.0
142	SALIVARY GLANDS	0.0	100.0	0.0	100.0	0.0	66.7	33.3	100.0	5	100.0	0.0	100.0	0.0	100.0	3	0	16.7	6	0	0.0	1	16.7	6	0	0.0
143	GUM	14.3	85.7	0.0	100.0	0.0	100.0	0.0	100.0	7	100.0	0.0	100.0	0.0	100.0	5	1	12.5	8	0	0.0	1	12.5	8	0	0.0
144	FL OF MOUTH	0.0	100.0	0.0	100.0	0.0	0.0	0.0	100.0	1	100.0	0.0	100.0	0.0	100.0	1	0	0.0	1	0	0.0	0	0.0	1	0	0.0
145	OTHER MOUTH	14.3	85.7	0.0	100.0	36.4	63.6	0.0	100.0	21	100.0	0.0	100.0	0.0	100.0	11	0	0.0	27	0	0.0	0	0.0	27	0	0.0
146	OKOPHARYNX	7.4	92.6	0.0	100.0	0.0	0.0	0.0	100.0	27	100.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0	0.0	0	0.0	0	0.0	
147	NASOPHARYNX	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	4	100.0	0.0	100.0	0.0	100.0	1	0	0.0	4	0	0.0	0	0.0	4	0	0.0
148	HYPOPHARYNX	0.0	98.0	2.0	100.0	11.5	88.5	0.0	100.0	50	100.0	0.0	100.0	0.0	100.0	26	1	2.0	51	0	0.0	1	2.0	51	0	0.0
149	PHARYNX ETC	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	4	100.0	0.0	100.0	0.0	100.0	4	0	0.0	4	0	0.0	0	0.0	4	0	0.0
150	ESOPHAGUS	1.7	91.5	6.8	100.0	3.3	90.2	6.6	100.0	59	100.0	10.0	80.0	10.0	100.0	61	2	3.3	61	0	0.0	2	3.3	61	0	0.0
151	STOMACH	0.0	71.4	28.6	100.0	10.0	80.0	0.0	100.0	35	100.0	0.0	100.0	0.0	100.0	10	0	0.0	35	0	0.0	0	0.0	35	0	0.0
152	SM INTEST	0.0	75.0	25.0	100.0	0.0	100.0	0.0	100.0	4	100.0	0.0	100.0	0.0	100.0	2	0	0.0	4	0	0.0	0	0.0	4	0	0.0
153	COLON	0.0	72.2	27.8	100.0	0.0	93.8	6.3	100.0	18	100.0	0.0	93.8	6.3	100.0	16	1	5.3	19	1	5.9	1	5.3	19	1	5.9
154	RECTUM	3.1	78.1	18.8	100.0	4.2	95.8	0.0	100.0	32	100.0	0.0	100.0	0.0	100.0	24	0	3.0	33	0	0.0	0	3.0	33	0	0.0
155	LIVER	0.0	100.0	0.0	100.0	0.0	75.0	25.0	100.0	14	100.0	0.0	75.0	25.0	100.0	4	1	0.0	14	0	0.0	0	0.0	14	0	0.0
156	GALLBLADDER	0.0	70.0	30.0	100.0	0.0	22.2	77.8	100.0	10	100.0	0.0	83.3	16.7	100.0	18	0	0.0	10	0	0.0	0	0.0	10	0	0.0
157	PANCREAS	0.0	70.0	30.0	100.0	0.0	83.3	16.7	100.0	10	100.0	0.0	83.3	16.7	100.0	6	1	9.1	11	0	0.0	1	9.1	11	0	0.0
158	RETROPERIT	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	2	100.0	0.0	100.0	0.0	100.0	1	0	0.0	2	0	0.0	0	0.0	2	0	0.0
159	OTH DIG SYST	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0	0.0	0.0	100.0	0.0	100.0	1	0	0.0	0	0	0.0	0	0.0	0	0.0	
160	NASAL CAVITY	5.3	94.7	0.0	100.0	0.0	100.0	0.0	100.0	19	100.0	0.0	100.0	0.0	100.0	12	0	0.0	19	0	0.0	0	0.0	19	0	0.0
161	LARYNX	3.8	96.2	0.0	100.0	0.0	100.0	0.0	100.0	52	100.0	11.1	88.9	0.0	100.0	9	2	3.7	54	0	0.0	2	3.7	54	0	0.0
162	LUNG	0.0	67.3	32.7	100.0	0.0	45.5	54.5	100.0	113	100.0	0.0	45.5	54.5	100.0	11	2	1.7	115	0	0.0	2	1.7	115	0	0.0
163	PLEURA	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	1	100.0	0.0	100.0	0.0	100.0	1	0	0.0	1	0	0.0	0	0.0	1	0	0.0
164	THYMUS	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	2	100.0	0.0	0.0	0.0	0.0	0	1	33.3	3	0	0.0	0	33.3	3	0	0.0
165	OTH RES SYST	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	0	0.0	0	0	0.0	0	0.0	0	0.0	
170	BONE	13.6	77.3	9.1	100.0	0.0	80.0	20.0	100.0	22	100.0	0.0	80.0	20.0	100.0	5	0	0.0	22	0	0.0	0	0.0	22	0	0.0
171	CONNECTIVE TISS	7.7	88.5	3.8	100.0	4.5	86.4	9.1	100.0	26	100.0	0.0	86.4	9.1	100.0	22	2	7.1	28	2	8.3	2	7.1	28	2	8.3
172	SKIN MEL	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	3	100.0	0.0	100.0	0.0	100.0	2	3	50.0	6	1	33.3	3	50.0	6	1	33.3
173	SKIN OTH	26.7	70.0	3.3	100.0	57.1	42.9	0.0	100.0	30	100.0	11.2	78.8	10.4	100.0	14	6	16.7	36	1	6.7	6	16.7	36	1	6.7
174	BREAST FEM	25.0	50.0	25.0	100.0	11.2	78.8	10.4	100.0	4	100.0	0.0	100.0	0.0	100.0	125	2	33.3	6	—	—	—	33.3	6	—	—
175	BREAST MALE	18.2	63.6	18.2	100.0	0.0	100.0	0.0	100.0	11	100.0	0.0	100.0	0.0	100.0	1	0	0.0	1	0	0.0	0	0.0	1	0	0.0
179	UTERUS UNSP	11.1	88.9	0.0	100.0	5.2	92.7	2.2	100.0	463	100.0	5.2	92.7	2.2	100.0	105	18.5	18.5	568	—	—	—	18.5	568	—	—
180	CERVIX UTERI	8.7	91.3	0.0	100.0	0.0	100.0	0.0	100.0	18	100.0	0.0	100.0	0.0	100.0	0	0	0.0	0	0	0.0	0	0.0	0	0.0	
181	PLACENTA	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	20	100.0	0.0	100.0	0.0	100.0	20	10	33.3	30	—	—	—	33.3	30	—	—
182	BODY UTERUS	0.0	100.0	0.0	100.0	3.7	74.1	22.2	100.0	27	100.0	3.7	74.1	22.2	100.0	27	14	34.1	41	—	—	—	34.1	41	—	—
183	OVARY	0.0	100.0	0.0	100.0	16.7	83.3	0.0	100.0	6	100.0	16.7	83.3	0.0	100.0	6	4	40.0	10	—	—	—	40.0	10	—	—
184	VAGINA	3.1	71.9	25.0	100.0	0.0	100.0	0.0	100.0	32	100.0	0.0	100.0	0.0	100.0	40	8	20.0	40	—	—	—	20.0	40	—	—
185	PROSTATE	18.2	63.6	18.2	100.0	0.0	100.0	0.0	100.0	11	100.0	0.0	100.0	0.0	100.0	1	0	0.0	1	0	0.0	0	0.0	1	0	0.0
186	TESTIS	11.1	88.9	0.0	100.0	0.0	100.0	0.0	100.0	18	100.0	0.0	100.0	0.0	100.0	0	0	0.0	0	0	0.0	0	0.0	0	0.0	
187	PENIS ETC	8.7	91.3	0.0	100.0	0.0	100.0	0.0	100.0	23	100.0	0.0	100.0	0.0	100.0	3	3	30.0	26	0	0.0	0	30.0	26	0	0.0
188	UKI BLADDER	0.0	76.9	23.1	100.0	0.0	100.0	0.0	100.0	13	100.0	0.0	100.0	0.0	100.0	7	1	7.1	14	1	1.8	1	7.1	14	1	1.8
189	KIDNEY	14.3	85.7	0.0	100.0	28.6	71.4	0.0	100.0	7	100.0	0.0	100.0	0.0	100.0	42	2	22.2	10	2	22.2	2	22.2	10	2	22.2
190	EYE	63.0	37.0	0.0	100.0	47.6	52.4	0.0	100.0	54	100.0	47.6	52.4	0.0	100.0	7	1	1.8	55	1	2.3	1	2.3	55	1	2.3
191	BRAIN	33.3	66.7	0.0	100.0	50.0	50.0	0.0	100.0	3	100.0	50.0	50.0	0.0	100.0	2	0	0.0	3	1	33.3	3	33.3	3	1	33.3
192	NEKV SYST	0.0	80.0	20.0	100.0	0.0	85.7	14.3	100.0	5	100.0	0.0	85.7	14.3	100.0	7	0	0.0	5	0	0.0	0	0.0	5	0	0.0
193	THYR GLAND	0.0	50.0	50.0	100.0	0.0	100.0	0.0	100.0	2	100.0	0.0	100.0	0.0	100.0	2	0	0.0	2	0	0.0	0	0.0	2	0	0.0
194	OTH ENDO GLDS	0.0	66.7	33.3	100.0																					

HOSPITAL CANCER REGISTRY : DIBRUGARH

This registry in Dibrugarh is located in the Assam Medical College (established in 1947). From 1982 to date, this general hospital has 1200 beds some of which are used for cancer patients. As the only cancer care facility till recently in North-East India, patients come from a large hinterland. The Assam Valley comprises about 58,274 square kilometers from 25°N to 27°N and 89°E to 96°E, with about 23 million people of diverse ethnic origins, caucasoid, mongoloid, and genetic mixtures. Religious communities include Hindus, Muslims, Christians; other subgroups are plains and hill tribal people each with distinctive cultures and life styles. Roughly 90-93% cancer patients are from eastern and southern Assam; 7-10% from the adjoining states of Arunachal Pradesh, Nagaland and Manipur. A variety of languages and dialects, some Indo-European and others Tibeto-Burmese in origin are used in the region. In Assam, the areca (betel) nut ("Tamol") which is chewed differs from that consumed elsewhere in India ("Supari"). Tamol contains very high levels of arecoline and is prepared by keeping the areca nut buried for about four months in an underground pit lined with straw and palm leaves.

Cancer registry data are obtained primarily from different Out-Patient Departments, In-Patient Wards, and the pathology, radiology and medical records departments. Every cancer patient is contacted at the point of entry to the hospital before any definitive care is begun. Suspected and provisionally diagnosed cancer patients are followed through their investigation and treatment period. The assistance of attending physicians is sought whenever needed.

A few points specific to this registry : Some patients receive radiotherapy and/or chemotherapy from outside the hospital because of its high bed-occupancy rates. Records of these patients are retrieved from the Department of Radiology and Pathology. The daily returns are checked for completeness and correctness. The investigators revisit patients when incomplete data are detected. Second, in a large number of patients biopsies are examined in outside laboratories. The histopathological slides of these cases are collected, stored, and later reviewed, in the Pathology Department for coding.

The registry maintains separate files for each patient registered, and alphabetically arranged name-index and disease index cards to eliminate duplicates and also distinguish a new from an old or a recurrent case. Each patient discharged alive is followed up at the time of check-up or by mailing a reply-paid post card to the patient's permanent address. The information obtained is entered in the follow-up register.

COMMENT : Total registrations in 1986 were 1313; 1211 in 1985 and 1198 in 1984. Male : female ratios were predominantly (2.4 : 1) in favour of males in all three years. Around 85% cancers were microscopically diagnosed. The leading cancers using UICC definitions for oral cavity and pharynx, were : cervix (22.9%) followed by oesophagus (12.7%) and breast (12.5%) in females; and pharynx (37.6%) followed oesophagus (17%) in males. Over 90% patients with localised and around 90% with regionally spread disease were treated for cancer.

SENIOR STAFF as of DECEMBER 1988

Dr. K.C. Baruah, MD., Project Chief
Dr. M.S. Ali, Ph.D. Sr Biostatistician
Positions Vacant - Sr Research Officer (Med.)
- Sr Research Fellow (Med.)

HOSPITAL CANCER REGISTRY DIBRUGARH										SEX : MALE				YEAR : 1986			
METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS										SEX : MALE				YEAR : 1986			
ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS							
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
140	LIP	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0						
141	TONGUE	78	100.0	0	0.0	0	0.0	0	0.0	78	100.0						
142	SALIVARY GLANDS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0						
143	GUM	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0						
144	FL OF MOUTH	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0						
145	OTHER MOUTH	36	94.7	0	0.0	1	2.6	1	2.6	38	100.0						
146	OROPHARYNX	98	99.0	0	0.0	1	1.0	0	0.0	99	100.0						
147	NASOPHARYNX	13	86.7	2	13.3	0	0.0	0	0.0	15	100.0						
148	HYPOPHARYNX	142	97.9	0	0.0	3	2.1	0	0.0	145	100.0						
149	PHARYNX ETC	30	100.0	0	0.0	0	0.0	0	0.0	30	100.0						
150	OESOPHAGUS	109	69.0	48	30.4	0	0.0	1	0.6	158	100.0						
151	STOMACH	35	74.5	11	23.4	0	0.0	1	2.1	47	100.0						
152	SM INTEST	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
153	COLON	4	66.7	2	33.3	0	0.0	0	0.0	6	100.0						
154	RECTUM	12	85.7	0	0.0	0	0.0	2	14.3	14	100.0						
155	LIVER	2	66.7	0	0.0	1	33.3	0	0.0	3	100.0						
156	GALLBLADDER	3	75.0	0	0.0	0	0.0	1	25.0	4	100.0						
157	PANCREAS	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0						
158	RETROPERIT	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
160	NASAL CAVITY	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0						
161	LARYNX	43	97.7	0	0.0	1	2.3	0	0.0	44	100.0						
162	LUNG	11	31.4	24	68.6	0	0.0	0	0.0	35	100.0						
163	PLEURA	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0						
164	THYMUS	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0						
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
170	BONE	5	71.4	0	0.0	0	0.0	0	0.0	5	100.0						
171	CONNECTIVE TISS	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0						
172	SKIN MEL	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0						
173	SKIN OTH	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0						
175	BREAST MALE	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
185	PROSTATE	4	80.0	0	0.0	0	0.0	1	20.0	5	100.0						
186	TESTIS	4	66.7	1	16.7	0	0.0	1	16.7	6	100.0						
187	PENIS ETC	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0						
188	URI BLADDER	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0						
189	KIDNEY	1	50.0	1	50.0	0	0.0	0	0.0	2	100.0						
190	EYE	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0						
191	BRAIN	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0						
192	NEKV SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
193	THYR GLAND	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0						
194	OTH ENDO GLDS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
195	ILIDEF SITE	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0						
196	SEC LY NODE	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0						
197	SEC RES ETC	3	37.5	1	12.5	4	50.0	0	0.0	8	100.0						
198	SEC OTH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
199	PKIM UNK	61	95.3	0	0.0	3	4.7	0	0.0	64	100.0						
200	LYMPHOMA	9	100.0	0	0.0	0	0.0	0	0.0	9	100.0						
201	HODGK DIS	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0						
202	OTH LYMPHOMA	4	50.0	3	37.5	1	12.5	0	0.0	8	100.0						
203	MULT MYELOMA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
204	LEUK LYMPH	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0						
205	LEUK MYEL	12	92.3	0	0.0	0	0.0	1	7.7	13	100.0						
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
208	LEUK UNSPEC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0						
ALL SITES TOTALS		801	86.3	98	10.6	17	1.8	12	1.3	928	100.0						

YEAR : 1986

SEX : FEMALE

HOSPITAL CANCER REGISTRY DIBKUGAKH

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
141	TONGUE	16	94.1	0	0.0	1	5.9	0	0.0	17	100.0
142	SALIVARY GLANDS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
143	GUM	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
144	FL OF MOUTH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
145	OTHER MOUTH	15	100.0	0	0.0	0	0.0	0	0.0	15	100.0
146	OROPHARYNX	12	100.0	0	0.0	0	0.0	0	0.0	12	100.0
147	NASOPHARYNX	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
148	HYPOPHARYNX	12	100.0	0	0.0	0	0.0	0	0.0	12	100.0
149	PHARYNX ETC	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
150	ESOPHAGUS	36	73.5	12	24.5	1	2.0	0	0.0	49	100.0
151	STOMACH	11	78.6	0	0.0	0	0.0	3	21.4	14	100.0
152	SM INTEST	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
153	COLON	2	50.0	0	0.0	0	0.0	2	50.0	4	100.0
154	RECTUM	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
155	LIVER	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
156	GALLBLADDER	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
157	PANCREAS	2	40.0	0	0.0	0	0.0	3	60.0	5	100.0
158	KETROPERIT	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
160	NASAL CAVITY	3	75.0	1	25.0	0	0.0	0	0.0	4	100.0
161	LARYNX	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
162	LUNG	2	25.6	5	71.4	0	0.0	0	0.0	7	100.0
163	PLEURA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
164	THYMUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	3	60.0	2	40.0	0	0.0	0	0.0	5	100.0
171	CONNECTIVE TISS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
172	SKIN MEL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
173	SKIN OTH	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
174	BREAST FEM	43	89.6	2	4.2	2	4.2	1	2.1	48	100.0
179	UTERUS UNSP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180	CERVIX UTERI	74	84.1	0	0.0	13	14.8	1	1.1	88	100.0
181	PLACENTA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
182	BODY UTERUS	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
183	OVARY	7	63.6	0	0.0	2	18.2	2	18.2	11	100.0
184	VAGINA	4	80.0	0	0.0	1	20.0	0	0.0	5	100.0
188	URI BLADDER	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
189	KIDNEY	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0
190	EYE	1	33.3	0	0.0	2	66.7	0	0.0	3	100.0
191	BRAIN	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
192	NEKV SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
193	THYR GLAND	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
194	OTH ENDO GLDS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
195	ILDEF SITE	2	50.0	1	25.0	1	25.0	0	0.0	4	100.0
196	SEC LY NODE	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
197	SEC RES ETC	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
198	SEC OTH	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
199	PRIM UNK	16	100.0	0	0.0	0	0.0	0	0.0	16	100.0
200	LYMPHOMA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
201	HODGK DIS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
202	OTH LYMPHOMA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
203	MULT MYELOMA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
204	LEUK LYMPH	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
205	LEUK MYEL	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
208	LEUK UNSPEC	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
ALL SITES TOTALS		324	84.2	24	6.2	24	6.2	13	3.4	385	100.0

HOSPITAL CANCER REGISTRY DIBHUGARH
 YEAR : 1986
 SEX : MALE

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	1	0	8	0.86
141	TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	8.41
142	SALIVARY GL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.22
143	GUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.86
144	FL OF MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.22
145	OTHER MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	4.09
146	OROPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	10.67
147	NASOPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1.62
148	HYPOPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145	15.63
149	PHARYNX ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	3.23
150	ESOPHAGUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	158	17.03
151	STOMACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	5.06
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
153	COLON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.65
154	RECTUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1.51
155	LIVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.32
156	GALLBLADDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.43
157	PANCREAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.32
158	RETROPERIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	NASAL CAVIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.54
161	LARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	4.74
162	LUNG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	3.77
163	PLEURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0.75
171	CONNECTIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.86
172	SKIN MEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.43
173	SKIN OTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1.19
175	BREAST MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
185	PROSTATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.54
186	TESTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.65
187	PENIS ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1.19
188	URI BLADDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
189	KIDNEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.22
190	EYE	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.22
191	BRAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
192	NEKV SYST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
193	THYR GLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.22
194	OTH ENDO GL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
195	ILLDEF SITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.22
196	SEC LY NODE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.43
197	SEC RES ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.86
198	SEC OTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
199	PRIM UNK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	6.90
200	LYMPHOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0.97
201	HODGK DIS	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.86
202	OTH LYMPHOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
203	MULT MYELOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
204	LEUK LYMPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.32
205	LEUK MYEL	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1.40
206	LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
207	LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208	LEUK UNSPEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL		5	4	2	2	12	12	11	38	48	91	156	170	143	56	28	25	0	928	100.00

HOSPITAL CANCER REGISTRY DIBRUGAKH

YEAR : 1986

SEX : FEMALE

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	0	0	1	0	1	2	0	0	1	0	0	5	1.30
141	TONGUE	0	0	0	0	0	0	1	1	1	4	5	1	2	1	0	1	0	17	4.42
142	SALIVARY GL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
143	GUM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0.52
144	FL OF MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
145	OTHER MOUTH	0	0	0	0	0	0	0	0	2	4	2	3	0	1	0	0	0	15	3.90
146	OROPHARYNX	0	0	0	0	0	0	0	0	1	0	4	4	2	0	0	0	0	12	3.12
147	NASOPHARYNX	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0.78
148	HYPOPHARYNX	0	0	0	0	0	0	0	0	0	0	3	4	2	0	0	0	0	12	3.12
149	PHARYNX ETC	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	4	1.04
150	ESOPHAGUS	0	0	0	0	0	0	0	5	10	10	7	4	7	1	0	0	0	49	12.73
151	STOMACH	0	0	0	0	0	0	0	1	2	0	5	0	3	2	1	0	0	14	3.64
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
153	COLON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1.04
154	RECTUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1.56
155	LIVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.52
156	GALLBLADDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1.82
157	PANCREAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1.30
158	RETROPERIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	NASAL CAVIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1.04
161	LARYNX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.52
162	LUNG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1.82
163	PLEURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
166	BONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1.30
167	CONNECTIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.52
168	SKIN MEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
169	SKIN OTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BREAST FEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
171	UTERUS UNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
172	CERVIX UTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
173	PLACENTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
174	BODY UTERUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
175	OVARY	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1.30
176	VAGINA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
177	UTRI BLADDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
178	KIDNEY	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.52
179	EYE	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.78
180	BRAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
181	NERV SYST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
182	THYR GLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
183	OTH ENDO GL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
184	ILLDEF SITE	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1.04
185	SEC LY NODE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.52
186	SEC RES ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
187	SEC OTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	4.16
188	PRIM UNK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
189	LYMPHOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
190	HODGK DIS	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.52
191	OTH LYMPHOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
192	MULT MYELOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
193	LEUK LYMPH	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
194	LEUK MYEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1.04
195	LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
196	LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
197	LEUK UNSPEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.26
198	TOTAL	6	5	1	4	3	14	24	49	45	56	75	48	28	16	7	4	0	385	100.00

HOSPITAL CANCER REGISTRY DIBKUGARH

SEX : MALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		8
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
141	TONGUE																		78
141.0	BASE TONGUE	0	0	0	0	0	0	0	3	8	14	7	9	9	9	1	2	0	68
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	3
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	4
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	3
143	GUM																		8
143.0	UPPER GUM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
143.1	LOWER GUM	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	4
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	3
144	FLOOR MOUTH																		2
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
145	MOUTH OTHER																		38
145.0	BUCCAL MUCOSA	0	0	0	0	0	0	0	0	2	5	5	2	1	1	3	0	0	20
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0
145.2	HARD PALATE	0	0	0	0	0	0	0	1	2	1	1	0	0	1	1	0	0	4
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	1	0	0	1	1	2	0	0	0	0	5
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY DIBKUGARH
 DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX
 SEX : MALE
 YEAR : 1986

ICD9 SITE 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+ ANS TOTAL

ICD9	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
146.1	TONS FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	1	2	4	5	3	8	3	1	0	1	0	28
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
146.9	ORO NOS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	145
148.1	PYRIF SINUS	0	0	0	0	0	0	4	8	10	20	20	18	11	6	3	1	0	3
148.2	ARYEPIGL FOLD	0	0	0	1	0	0	1	1	3	5	6	6	9	1	2	1	0	100
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	36
148.4	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
148.9	HYPOPH NOS	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	0	5
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	0	1	0	4	6	7	4	5	1	0	0	0	30
149.1	WALD RING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
150	OESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	158
150.1	THORACIC OES	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	1	5	6	2	3	1	0	3	0	21
150.4	MID 3RD OESOPH	0	0	0	0	1	0	2	2	6	7	17	12	11	5	2	1	0	66
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	2	3	2	10	10	6	11	4	0	2	0	50
150.8	OESOPH OTHER	0	0	0	0	0	1	0	0	0	1	1	2	3	0	0	0	0	8
150.9	OESOPH NOS	0	0	0	0	0	0	0	1	2	2	4	2	0	1	0	0	0	12
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	0	0	0	0	2	2	1	2	0	2	0	0	44
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	1	1	2	2	2	2	5	1	1	2	0	9
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	3
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
161.9	LARYNX NOS	0	0	0	0	0	0	0	0	0	2	2	2	2	0	1	0	0	0

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY DIBRUGARH
 DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *
 YEAR : 1986

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	0	0	0	1	1	5	1	2	1	0	1	0	17
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	12
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
141.9	TONGUE NOS	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
143.1	LOWER GUM	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	MOUTH OTHER																		
145.0	BUCCAL MUCOSA	0	0	0	0	0	0	1	0	0	0	2	1	0	0	0	0	0	15
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
145.2	HARD PALATE	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
145.3	SOFT PALATE	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	2
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY DIBRUGARH

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
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146	OROPHARYNX *																		12
146.0	TONSIL	0	0	0	0	0	0	0	0	0	0	2	2	2	0	1	0	0	7
146.1	TONS FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	0	1	0	2	2	0	0	0	0	0	5
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	HYPOPHARYNX																		12
148.0	POSTCRICOID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.1	PYRIF SINUS	0	0	0	0	0	0	0	0	0	2	1	1	2	0	0	0	0	6
148.2	ARYEPICL FOLD	0	0	0	0	0	0	0	0	1	0	2	3	0	0	0	0	0	6
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		4
149.0	PHARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	4
149.1	WALD KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		49
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	3
150.4	MID 3RD OESOPH	0	0	0	0	0	0	0	0	4	3	5	6	3	3	0	0	0	29
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	0	1	1	3	4	1	0	4	0	0	0	14
150.8	OESOPH OTHER	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1
150.9	OESOPH NOS	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	2	2
161	LARYNX																		2
161.0	GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.1	SUPRA GLOTTIS	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

HOSPITAL CANCER REGISTRY DIBKUGARKH
EXTENT OF DISEASE GROUPS* EXCLUDING PATIENTS NOT EVALUATED FOR CANCER SPREAD (OTHER GROUP)**

ICD9 SITE	Males				Females				Males		Females			
	LOC	REG	%	TOTAL-n	LOC	REG	%	TOTAL-n	n	%	n	%	OTHER	TOTAL
140 LIP	50.0	33.3	16.7	100.0	0.0	100.0	0.0	100.0	2	25.0	8	0.0	0	5
141 TONGUE	37.5	59.7	2.8	100.0	6.3	81.3	12.5	100.0	6	7.7	78	1	5.9	17
142 SALIVARY GLANDS	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	1	50.0	2	0	0.0	0
143 GUM	42.9	57.1	0.0	100.0	100.0	0.0	0.0	100.0	1	12.5	8	1	50.0	2
144 FL OF MOUTH	0.0	50.0	50.0	100.0	0.0	0.0	0.0	0.0	0	0.0	2	0	0.0	0
145 OTHER MOUTH	38.2	61.8	0.0	100.0	75.0	25.0	0.0	100.0	4	10.5	38	3	20.0	15
146 OROPHARYNX	32.6	64.0	3.4	100.0	45.5	54.5	0.0	100.0	10	10.1	99	1	8.3	12
147 NASOPHARYNX	10.0	70.0	20.0	100.0	0.0	0.0	100.0	100.0	5	33.3	15	2	66.7	3
148 HYPOPHARYNX	36.6	60.4	3.0	100.0	45.5	54.5	0.0	100.0	11	7.6	145	1	8.3	12
149 PHARYNX ETC	55.6	44.4	0.0	100.0	100.0	0.0	0.0	100.0	21	70.0	30	3	75.0	4
150 OESOPHAGUS	69.4	20.0	10.6	100.0	62.5	33.3	4.2	100.0	73	46.2	158	25	51.0	49
151 STOMACH	11.4	22.9	65.7	100.0	18.2	36.4	45.5	100.0	12	25.5	47	3	21.4	14
152 SM INTEST	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0	0.0	1	1	100.0	1
153 COLON	0.0	20.0	80.0	100.0	25.0	50.0	25.0	100.0	1	16.7	6	0	0.0	4
154 RECTUM	25.0	33.3	41.7	100.0	33.3	16.7	50.0	100.0	2	14.3	14	0	0.0	6
155 LIVER	0.0	100.0	0.0	100.0	0.0	0.0	100.0	100.0	2	66.7	3	1	50.0	2
156 GALLBLADDER	0.0	0.0	100.0	100.0	0.0	16.7	83.3	100.0	0	0.0	4	1	14.3	7
157 PANCREAS	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	1	33.3	3	1	20.0	5
158 RETROPERIT	0.0	100.0	0.0	100.0	0.0	0.0	100.0	100.0	0	0.0	1	0	0.0	0
159 OTH DIG SYST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
160 NASAL CAVITY	50.0	25.0	25.0	100.0	0.0	100.0	0.0	100.0	1	20.0	5	2	50.0	4
161 LARYNX	33.3	63.9	2.8	100.0	0.0	0.0	100.0	100.0	8	18.2	44	1	50.0	2
162 LUNG	0.0	20.0	80.0	100.0	0.0	0.0	100.0	100.0	20	57.1	35	5	71.4	7
163 PLEURA	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	0	0.0	1	0	0.0	0
164 THYMUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	100.0	1	0	0.0	0
165 OTH RES SYST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
170 BONE	40.0	40.0	20.0	100.0	25.0	25.0	50.0	100.0	2	28.6	7	1	20.0	5
171 CONNECTIVE TISS	80.0	0.0	20.0	100.0	0.0	100.0	0.0	100.0	3	37.5	8	1	50.0	4
172 SKIN MEL	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	1	25.0	4	0	0.0	2
173 SKIN OTH	50.0	50.0	0.0	100.0	60.0	40.0	0.0	100.0	1	9.1	11	0	0.0	5
174 BREAST FEM	0.0	0.0	0.0	0.0	11.9	64.3	23.8	100.0	1	100.0	1	6	12.5	48
175 BREAST MALE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0.0	0	0	0.0	0
179 UTERUS UNSP	0.0	0.0	0.0	0.0	19.4	64.2	16.4	100.0	0	0.0	0	21	23.9	88
180 CERVIX UTERI	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0	0.0	0	0	0.0	1
181 PLACENTA	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0	0.0	0	0	0.0	1
182 BODY UTERUS	0.0	100.0	0.0	100.0	0.0	16.7	83.3	100.0	0	0.0	0	5	45.5	11
183 OVARY	0.0	0.0	0.0	0.0	0.0	80.0	20.0	100.0	0	0.0	0	0	0.0	5
184 VAGINA	0.0	66.7	33.3	100.0	0.0	0.0	0.0	0.0	2	40.0	5	0	0.0	7
185 PROSTATE	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	3	50.0	6	0	0.0	9
186 TESTIS	11.1	44.4	44.4	100.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	1
187 PENIS ETC	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	1	50.0	2	2	100.0	3
188 UOI BLADDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	1	0	0.0	0
189 KIDNEY	100.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	2	100.0	2	2	66.7	4
190 EYE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
191 BRAIN	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
192 NEKV SYST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
193 THYK GLAND	0.0	50.0	50.0	100.0	20.0	60.0	20.0	100.0	5	0.0	2	2	28.6	7
194 OTH ENDO GLDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
195 ILLDEF SITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	100.0	2	2	50.0	4
196 SEC LY NODE	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	0	25.0	8	1	100.0	1
197 SEC RES ETC	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
198 SEC OTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	28.1	64	4	25.0	16
199 PHIM UNK	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	9	100.0	9	1	100.0	10
200 LYMPHOMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8	100.0	8	2	100.0	10
201 HODGK DIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
202 OTH LYMPHOMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
203 MULT MYELOMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	100.0	3	1	100.0	4
204 LEUK LYMPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	100.0	13	4	100.0	17
205 LEUK MYEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
206 LEUK MONO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
207 LEUK OTH SPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0	0.0	0
208 LEUK UNSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	1	100.0	1
%	33.6	45.0	21.4	100.0	23.6	48.7	27.6	100.0	264	28.4	928	110	28.6	385

* EXTENT OF DISEASE GROUPS: LOC=Localized; REG=Directly extended, regional lymph nodes (rln) involved, directly extended with rln involved; DIS=Distal metastasis, too advanced

** OTHER GROUP: Not palpable; not applicable, eg haematological cancers; treated elsewhere; recurrent; or unknown

HOSPITAL CANCER REGISTRY : TRIVANDRUM

The hospital cancer registry in the Regional Cancer Centre (RCC) Trivandrum, registers patients from institutions under the Medical College administrative complex, and from the Regional Cancer Centre located in the same campus.

The Trivandrum Medical College, established in 1953, is the oldest Medical College in Kerala. Institutions included under it are the Medical College Hospital, Dental College Clinic, Sree Avittom Thirunal Hospital for women and children from 0-12 years. The Medical College Hospital (MCH) is a teaching hospital with 1329 beds; it caters only to referred patients, and admits about 36,000 patients annually. The Dental College Clinics are attached to the Medical College complex, hold regular out-patient clinics, have no beds, so inpatients are admitted to MCH wards. The Sree Avittom Thirunal Hospital with 706 beds for women and children, is a teaching hospital of the MCH. It admits more than 38,000, mostly maternity patients, annually. The RCC established in 1981 by the Government of India is the radiotherapy teaching wing of the Medical College but maintains its autonomy in all other activities. It has 129 beds exclusively for cancer inpatient services. Over 96% of more than 4000 patient referrals annually have cancer. It is the largest radiotherapy centre in the state and currently has all cancer treatment facilities.

Patients diagnosed and treated elsewhere for cancer either completely or partially are also referred to this centre for further treatment or advice. The majority of patients attending this centre are drawn from southern Kerala where Trivandrum is situated and also from the adjoining districts of Tamil Nadu. The registry started data collection from January 1982.

COMMENT : In 1986, 4232 cancer cases were registered, compared to 3857 in 1985, 3852 in 1984. Males consistently outnumbered females (1.2:1) from 1984. With oral cavity defined according to UICC criteria excluding base tongue, soft palate and uvula, it was the leading cancer (18.4%) in males in 1986, followed by lung (11.4%) and then by pharynx including base tongue, soft palate and uvula (8.4%). In females, cancer of the cervix (24.2%) was first, followed by breast (18.2%), oral cavity (14.2%), ovary (5.1%) and thyroid (3.7%). About 83-84% cancers in males and 88-89% in females were microscopically diagnosed. Around 20% male and 25% female patients in 1986 were excluded from extent of cancer assessments. After these exclusions, around 20% male and female patients were first diagnosed with localised cancers, and around 28% male and 15% female, with advanced disease. Cancer-directed treatment was given to about 70% male and 87% female patients with localised disease and around 70% male and 88% female with regionally spread cancers at first diagnosis, in 1986.

SENIOR STAFF as of DECEMBER 1988

Dr. M. Krishnan Nair, Project Chief	Dr. T.K.Padmanabhan, Co-investigator
Mr. P. Gangadharan, Sr Bio-statistician	Dr. M.A. Aleykutty, Co-investigator
Dr. R.Sankaranarayanan, Sr Research Officer	Dr. C.K.Sugathan, Co-investigator
Mr. R.Raveendran Nair, Medical Records Officer	Dr. N.Sreedevi Amma, Co-investigator

YEAR : 1986

SEX : MALE

HOSPITAL CANCER REGISTRY TRIVANDRUM

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICKROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	13	72.2	0	0.0	5	27.8	0	0.0	18	100.0
141	TONGUE	144	92.9	0	0.0	10	6.5	1	0.6	155	100.0
142	SALIVARY GLANDS	14	87.5	0	0.0	2	12.5	0	0.0	16	100.0
143	GUM	59	88.1	1	1.5	7	10.4	0	0.0	67	100.0
144	FL OF MOUTH	16	88.9	0	0.0	2	11.1	0	0.0	18	100.0
145	OTHER MOUTH	188	85.8	0	0.0	30	13.7	1	0.5	219	100.0
146	OKOPHARYNX	68	98.6	0	0.0	1	1.4	0	0.0	69	100.0
147	NASOPHARYNX	26	96.3	0	0.0	0	0.0	1	3.7	27	100.0
148	HYPOPHARYNX	57	89.1	0	0.0	5	7.8	2	3.1	64	100.0
149	PHARYNX ETC	3	60.0	0	0.0	2	40.0	0	0.0	5	100.0
150	ESOPHAGUS	99	78.6	18	14.3	3	2.4	6	4.8	126	100.0
151	STOMACH	82	63.6	16	12.4	6	4.7	25	19.4	129	100.0
152	SM INTEST	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
153	COLON	30	88.2	1	2.9	2	5.9	1	2.9	34	100.0
154	RECTUM	36	92.3	0	0.0	1	2.6	2	5.1	39	100.0
155	LIVER	55	78.6	6	8.6	9	12.9	0	0.0	70	100.0
156	GALLBLADDER	2	28.6	1	14.3	0	0.0	4	57.1	7	100.0
157	PANCREAS	11	40.7	2	7.4	0	0.0	14	51.9	27	100.0
158	RETROPERIT	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
160	NASAL CAVITY	21	84.0	2	8.0	2	8.0	0	0.0	25	100.0
161	LARYNX	92	95.8	0	0.0	1	1.0	3	3.1	96	100.0
162	LUNG	202	77.1	51	19.5	2	0.8	7	2.7	262	100.0
163	PLEURA	1	50.0	1	50.0	0	0.0	0	0.0	2	100.0
164	THYMUS	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	26	100.0	0	0.0	0	0.0	0	0.0	26	100.0
171	CONNECTIVE TISS	16	94.1	1	5.9	0	0.0	0	0.0	17	100.0
172	SKIN MEL	13	92.9	0	0.0	1	7.1	0	0.0	14	100.0
173	SKIN OTH	44	100.0	0	0.0	0	0.0	0	0.0	44	100.0
175	BREAST MALE	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
185	PROSTATE	18	60.0	4	13.3	6	20.0	2	6.7	30	100.0
186	TESTIS	20	100.0	0	0.0	0	0.0	0	0.0	20	100.0
187	PENIS ETC	35	83.3	0	0.0	7	16.7	0	0.0	42	100.0
188	URI BLADDER	20	80.0	1	4.0	0	0.0	4	16.0	25	100.0
189	KIDNEY	23	88.5	3	11.5	0	0.0	0	0.0	26	100.0
190	EYE	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
191	BRAIN	64	62.7	37	36.3	1	1.0	0	0.0	102	100.0
192	NEKV SYST	6	85.7	1	14.3	0	0.0	0	0.0	7	100.0
193	THYR GLAND	31	96.9	0	0.0	1	3.1	0	0.0	32	100.0
194	OTH ENDO GLDS	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
195	ILDEF SITE	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
196	SEC LY NODE	59	93.7	2	3.2	2	3.2	0	0.0	63	100.0
197	SEC RES ETC	19	61.3	9	29.0	3	9.7	0	0.0	31	100.0
198	SEC OTH	16	36.4	28	63.6	0	0.0	0	0.0	44	100.0
199	PRIM UNK	14	46.7	11	36.7	5	16.7	0	0.0	30	100.0
200	LYMPHOMA	47	100.0	0	0.0	0	0.0	0	0.0	47	100.0
201	HODGK DIS	34	97.1	0	0.0	1	2.9	0	0.0	35	100.0
202	OTH LYMPHOMA	41	97.6	0	0.0	1	2.4	0	0.0	42	100.0
203	MULT MYELOMA	17	60.7	1	3.6	1	3.6	9	32.1	28	100.0
204	LEUK LYMPH	50	100.0	0	0.0	0	0.0	0	0.0	50	100.0
205	LEUK MYEL	40	100.0	0	0.0	0	0.0	0	0.0	40	100.0
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
208	LEUK UNSPEC	4	80.0	0	0.0	1	20.0	0	0.0	5	100.0
ALL SITES TOTALS		1898	82.6	197	8.6	120	5.2	82	3.6	2297	100.0

HOSPITAL CANCER REGISTRY THIVANDKUM												SEX : FEMALE												YEAR : 1986											
METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS												SEX : FEMALE												YEAR : 1986											
ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS																									
		n	%	n	%	n	%	n	%	n	%																								
140	LIP	17	81.0	0	0.0	4	19.0	0	0.0	21	100.0																								
141	TONGUE	67	85.9	0	0.0	11	14.1	0	0.0	78	100.0																								
142	SALIVARY GLANDS	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0																								
143	GUM	33	86.8	0	0.0	5	13.2	0	0.0	38	100.0																								
144	FL OF MOUTH	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0																								
145	OTHER MOUTH	115	83.3	0	0.0	21	15.2	2	1.4	138	100.0																								
146	OROPHARYNX	6	85.7	0	0.0	1	14.3	0	0.0	7	100.0																								
147	NASOPHARYNX	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0																								
148	HYPOPHARYNX	22	91.7	0	0.0	1	4.2	1	4.2	24	100.0																								
149	PHARYNX ETC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0																								
150	ESOPHAGUS	24	75.0	4	12.5	0	0.0	4	12.5	32	100.0																								
151	STOMACH	24	60.0	4	10.0	4	10.0	8	20.0	40	100.0																								
152	SM INTEST	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0																								
153	COLON	14	77.8	1	5.6	1	5.6	2	11.1	18	100.0																								
154	RECTUM	21	87.5	0	0.0	2	8.3	1	4.2	24	100.0																								
155	LIVER	14	82.4	2	11.8	1	5.9	0	0.0	17	100.0																								
156	GALLBLADDER	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0																								
157	PANCREAS	5	50.0	0	0.0	0	0.0	5	50.0	10	100.0																								
158	RETROPERIT	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0																								
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0																								
160	NASAL CAVITY	13	86.7	1	6.7	1	6.7	0	0.0	15	100.0																								
161	LARYNX	4	80.0	0	0.0	1	20.0	0	0.0	5	100.0																								
162	LUNG	17	85.0	2	10.0	0	0.0	1	5.0	20	100.0																								
163	PLEURA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0																								
164	THYMUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0																								
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0																								
170	BONE	13	100.0	0	0.0	0	0.0	0	0.0	13	100.0																								
171	CONNECTIVE TISS	21	100.0	0	0.0	0	0.0	0	0.0	21	100.0																								
172	SKIN MEL	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0																								
173	SKIN OTH	28	100.0	0	0.0	0	0.0	0	0.0	28	100.0																								
174	BREAST FEM	332	94.3	1	0.3	19	5.4	0	0.0	352	100.0																								
179	UTERUS UNSP	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0																								
180	CERVIX UTERI	434	92.7	1	0.2	33	7.1	0	0.0	468	100.0																								
181	PLACENTA	3	75.0	1	25.0	0	0.0	0	0.0	4	100.0																								
182	BODY UTERUS	23	100.0	0	0.0	0	0.0	0	0.0	23	100.0																								
183	OVARY	94	94.9	0	0.0	2	2.0	3	3.0	99	100.0																								
184	VAGINA	17	85.0	0	0.0	3	15.0	0	0.0	20	100.0																								
188	URI BLADDER	4	80.0	0	0.0	0	0.0	1	20.0	5	100.0																								
189	KIDNEY	18	94.7	1	5.3	0	0.0	0	0.0	19	100.0																								
190	EYE	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0																								
191	BRAIN	42	71.2	17	28.8	0	0.0	0	0.0	59	100.0																								
192	NEKV SYST	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0																								
193	THYR GLAND	68	94.4	1	1.4	2	2.8	1	1.4	72	100.0																								
194	OTH ENDO GLDS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0																								
195	ILDEF SITE	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0																								
196	SEC LY NODE	17	94.4	1	5.6	0	0.0	0	0.0	18	100.0																								
197	SEC RES ETC	10	76.9	2	15.4	1	7.7	0	0.0	13	100.0																								
198	SEC OTH	16	61.5	10	38.5	0	0.0	0	0.0	26	100.0																								
199	PRIM UNK	18	81.8	3	13.6	0	0.0	1	4.5	22	100.0																								
200	LYMPHOMA	17	100.0	0	0.0	0	0.0	0	0.0	17	100.0																								
201	HODGK DIS	11	100.0	0	0.0	0	0.0	0	0.0	11	100.0																								
202	OTH LYMPHOMA	14	87.5	0	0.0	2	12.5	0	0.0	16	100.0																								
203	MULT MYELOMA	7	50.0	1	7.1	0	0.0	6	42.9	14	100.0																								
204	LEUK LYMPH	26	100.0	0	0.0	0	0.0	0	0.0	26	100.0																								
205	LEUK MYEL	41	95.3	0	0.0	1	2.3	1	2.3	43	100.0																								
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0																								
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0																								
208	LEUK UNSPEC	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0																								
ALL SITES TOTALS		1726	89.2	53	2.7	116	6.0	40	2.1	1935	100.0																								

HOSPITAL CANCER REGISTRY TRIVANDRUM
NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE, AND PERCENTAGES

YEAR : 1986

SEX : MALE

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	0	1	2	2	2	3	4	1	1	2	0	18	0.78
141	TONGUE	0	0	0	0	1	0	6	5	11	12	25	24	27	21	8	15	0	155	6.75
142	SALIVARY GL	0	0	0	1	0	2	0	3	1	0	1	1	4	1	2	0	0	16	0.70
143	GUM	0	0	0	0	1	1	1	0	0	8	5	11	14	8	6	12	0	67	2.92
144	FL OF MOUTH	0	0	0	0	0	0	0	1	0	1	2	4	3	4	2	1	0	18	0.78
145	OTHER MOUTH	0	0	0	0	0	0	4	9	10	28	25	39	32	30	20	22	0	219	9.53
146	OROPHARYNX	0	0	0	0	0	0	0	2	4	3	10	13	9	14	4	10	0	69	3.00
147	NASOPHARYNX	0	1	2	0	2	1	1	2	2	4	3	2	3	2	2	0	0	27	1.18
148	HYPOPHARYNX	0	0	0	0	1	2	3	4	1	10	11	7	8	10	4	3	0	64	2.79
149	PHARYNX ETC	0	0	0	0	0	1	1	0	0	1	1	0	0	1	0	0	0	5	0.22
150	ESOPHAGUS	0	0	0	0	1	1	2	3	4	12	21	17	23	20	14	9	0	126	5.49
151	STOMACH	0	0	0	0	2	2	3	2	4	12	16	18	24	28	12	6	0	129	5.62
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0.09
153	COLON	0	0	1	0	1	1	2	2	4	7	5	4	4	1	0	2	0	34	1.48
154	RECTUM	0	0	0	0	1	2	2	1	0	7	3	3	3	8	5	6	1	39	1.70
155	LIVER	4	0	2	1	4	8	6	8	3	9	9	7	3	2	4	0	0	70	3.05
156	GALLBLADDER	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	2	0	7	0.30
157	PANCREAS	0	0	0	0	0	0	2	2	2	3	6	3	5	1	3	0	0	27	1.18
158	RETROPERIT	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	3	0.13
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	NASAL CAVIT	0	0	0	0	1	0	1	0	0	2	3	3	5	5	0	2	0	25	1.09
161	LARYNX	0	0	0	0	0	0	0	2	3	13	13	16	21	18	7	3	0	96	4.18
162	LUNG	0	0	0	0	0	2	0	6	12	19	36	62	69	26	18	12	0	262	11.41
163	PLEURA	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	0.09
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0.13
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
166	BONE	0	1	4	8	4	3	2	3	0	1	0	0	0	0	0	0	0	26	1.13
171	CONNECTIVE	0	1	2	0	0	2	3	0	1	0	1	3	0	0	0	0	0	17	0.74
172	SKIN MEL	0	0	0	0	0	0	0	1	1	1	2	1	1	1	3	1	0	14	0.61
173	SKIN OTH	0	1	0	0	0	1	1	4	1	6	8	6	2	5	3	6	0	44	1.92
175	BREAST MALE	0	0	0	0	0	0	0	0	1	0	1	4	1	0	0	0	0	3	0.13
185	PROSTATE	0	0	0	0	0	0	0	1	0	1	1	4	5	4	8	6	0	30	1.31
186	TESTIS	0	0	0	0	5	5	3	2	1	1	0	2	0	0	1	0	0	20	0.87
187	PENIS ETC	0	0	0	0	0	0	2	2	0	6	7	11	4	3	3	4	0	42	1.83
188	URI BLADDER	0	0	0	0	0	0	1	0	1	4	1	6	5	3	3	1	0	25	1.09
189	KIDNEY	4	0	2	1	0	0	0	2	3	0	1	2	4	3	0	4	0	26	1.13
190	EYE	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.13
191	BRAIN	4	4	13	7	4	5	6	12	12	7	8	8	8	1	3	0	0	102	4.44
192	NEKV SYST	0	2	0	1	0	1	1	0	0	1	1	1	0	0	0	0	0	7	0.30
193	THYR GLAND	0	0	1	0	3	5	3	3	3	4	2	1	2	2	1	2	0	32	1.39
194	OTH ENDO GL	3	0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	0	7	0.30
195	ILLDEF SITE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0.04
196	SEC LY NODE	0	0	0	0	0	0	0	2	3	4	16	10	13	5	5	5	0	63	2.74
197	SEC RES ETC	0	0	0	0	0	0	1	1	3	4	2	4	3	9	1	3	0	31	1.35
198	SEC OTH	0	0	0	0	0	2	0	0	0	7	9	5	7	5	6	0	0	44	1.92
199	PRIM UNK	0	0	0	0	1	0	3	0	1	8	2	4	5	3	3	0	0	30	1.31
200	LYMPHOMA	0	3	1	3	2	1	3	2	2	6	3	8	4	4	3	4	2	47	2.05
201	HODGK DIS	1	1	2	0	3	5	2	2	2	3	3	3	5	1	0	2	0	35	1.52
202	OTH LYMPHOM	0	1	1	1	1	0	0	0	0	3	3	6	5	4	4	3	0	42	1.83
203	MULT MYELOM	0	0	0	0	0	0	0	0	0	2	4	4	7	5	1	1	0	28	1.22
204	LEUK LYMPH	12	9	4	10	2	1	0	5	1	1	2	1	1	1	0	0	0	50	2.18
205	LEUK MYEL	2	3	2	3	4	3	3	3	1	3	5	2	3	1	0	2	0	40	1.74
206	LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
207	LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208	LEUK UNSPEC	0	0	0	2	0	0	0	0	0	0	1	0	1	0	0	1	0	5	0.22
TOTAL		32	29	37	40	44	57	73	107	108	233	282	331	353	263	162	146	0	2297	100.00

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	1	1	2	1	5	1	3	3	0	4	0	21	1.09
141	TONGUE	0	0	0	0	2	0	0	2	6	13	13	14	14	8	4	2	0	78	4.03
142	SALIVARY GL	0	0	0	0	0	0	2	1	0	1	3	1	0	0	0	0	0	8	0.41
143	GUM	0	0	0	0	0	0	0	0	2	3	4	4	4	10	4	7	0	38	1.96
144	FL OF MOUTH	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	5	0.26
145	OTHER MOUTH	0	0	0	0	0	0	3	1	9	7	17	23	26	18	16	18	0	138	7.13
146	OROPHARYNX	0	0	0	0	0	0	0	0	0	1	2	2	1	0	1	0	0	7	0.36
147	NASOPHARYNX	0	0	0	1	1	1	2	4	2	4	2	2	3	2	3	0	0	11	0.57
148	HYPOPHARYNX	0	0	0	0	0	0	2	4	2	4	2	2	3	2	3	0	0	24	1.24
149	PHARYNX ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
150	OESOPHAGUS	0	0	0	0	0	1	3	2	4	2	6	2	7	5	0	8	0	32	1.65
151	STOMACH	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	40	2.07
152	SM INTEST	0	0	0	0	0	0	0	0	2	2	3	3	3	1	1	1	0	1	0.05
153	COLON	0	0	0	0	0	0	2	0	1	1	6	5	4	5	2	0	0	18	0.93
154	RECTUM	0	0	0	0	0	0	0	0	1	1	1	4	3	4	1	0	0	24	1.24
155	LIVER	0	0	0	0	1	1	1	1	2	1	1	4	3	3	1	0	0	17	0.88
156	GALLBLADDER	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	4	0.21
157	PANCREAS	0	0	0	0	0	2	1	1	1	1	2	0	1	1	0	0	0	10	0.52
158	RETROPERIT	1	0	0	0	0	0	1	0	0	0	1	1	1	0	1	0	0	6	0.31
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	NASAL CAVIT	0	0	0	0	0	0	1	0	0	3	3	1	0	0	2	2	0	15	0.78
161	LARYNX	0	0	0	0	0	0	1	1	2	1	2	4	4	3	0	1	0	20	1.03
162	LUNG	0	0	0	0	1	0	1	1	2	1	2	4	4	3	0	1	0	5	0.26
163	PLEURA	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.05
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BONE	1	2	3	4	1	1	1	0	0	0	0	0	0	0	0	0	0	13	0.67
171	CONNECTIVE	3	0	0	2	2	0	3	1	3	2	1	3	0	1	0	0	0	21	1.09
172	SKIN MEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.10
173	SKIN OTH	0	0	0	0	2	0	3	1	3	2	2	1	0	1	0	0	0	13	0.67
174	BREAST FEM	0	0	0	0	0	1	2	1	2	2	3	3	2	1	5	4	0	28	1.45
179	UTERUS UNSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	0	352	18.19
180	CERVIX UTER	0	0	0	0	0	3	9	31	36	82	75	79	64	47	22	20	0	6	0.31
181	PLACENTA	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	468	24.19
182	BODY UTERUS	0	0	0	0	1	1	2	0	2	2	5	3	4	4	1	1	0	4	0.21
183	OVARY	0	1	5	9	4	3	2	6	11	11	13	17	10	3	3	1	0	23	1.19
184	VAGINA	2	0	0	0	1	0	0	0	1	3	2	1	2	2	2	4	0	99	5.12
188	URI BLADDER	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	20	1.03
189	KIDNEY	7	5	0	0	0	1	1	1	0	1	2	1	1	0	1	0	0	5	0.26
190	EYE	3	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	19	0.98
191	BRAIN	5	10	4	6	4	2	5	6	3	4	4	1	4	0	1	0	0	6	0.31
192	NERV SYST	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	59	3.05
193	THYR GLAND	0	0	0	3	8	12	7	10	3	7	5	5	4	5	0	3	0	2	0.10
194	OTH ENDO GL	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	3.72
195	ILLDEF SITE	0	0	0	0	1	0	0	0	1	3	6	1	1	1	0	0	0	2	0.10
196	SEC LY NODE	0	0	0	0	1	0	0	1	2	3	4	2	3	0	1	1	0	18	0.93
197	SEC RES ETC	0	0	0	0	0	0	0	1	2	3	1	2	3	0	0	1	0	13	0.67
198	SEC OTH	0	0	0	0	0	1	1	1	1	4	3	4	8	3	1	3	0	26	1.34
199	PRIM UNK	0	0	0	0	0	1	2	1	1	3	5	2	3	1	2	1	0	22	1.14
200	LYMPHOMA	0	0	0	0	0	3	0	3	1	2	2	2	3	1	1	1	0	17	0.88
201	HODGK DIS	1	1	0	0	3	2	1	1	1	2	2	2	1	2	1	1	0	11	0.57
202	OTH LYMPHOM	0	0	0	2	1	1	1	1	1	2	0	2	1	1	1	1	0	16	0.83
203	MULT MYELOM	0	0	0	0	0	0	1	0	0	2	0	2	2	2	4	2	0	14	0.72
204	LEUK LYMPH	5	3	8	4	1	0	0	0	0	2	2	1	0	-0	0	0	0	26	1.34
205	LEUK MYEL	1	2	2	4	3	4	2	5	5	5	6	2	1	1	1	0	0	43	2.22
206	LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
207	LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208	LEUK UNSPEC	0	0	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	4	0.21
TOTAL		31	25	26	35	38	58	80	126	164	247	270	247	229	162	96	101	0	1935	100.00

HOSPITAL CANCER REGISTRY TRIVANDRUM
 SEX : MALE
 DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

YEAR : 1986

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		18
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	1	2	1	1	3	3	1	0	1	0	13
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	4
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		155
141.0	BASE TONGUE	0	0	0	0	0	0	0	1	1	3	3	6	12	6	4	3	0	40
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	1	2	2	4	3	0	2	0	2	0	16
141.2	BORDER & TIP	0	0	0	0	1	0	0	1	4	3	11	6	10	8	0	7	0	51
141.3	VENTR TONGUE	0	0	0	0	0	0	1	0	0	0	2	1	0	0	0	0	0	4
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	3	1	3	4	3	4	4	5	3	3	0	33
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	2	1	0	2	3	1	0	1	0	0	10
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	GUM																		67
143.0	UPPER GUM	0	0	0	0	1	0	0	0	0	2	1	3	2	1	1	0	0	11
143.1	LOWER GUM	0	0	0	0	0	1	1	0	0	6	4	8	12	7	5	12	0	56
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		18
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	0	0	1	0	1	2	4	3	4	2	1	0	18
145	MOUTH OTHER																		219
145.0	BUCCAL MUCOSA	0	0	0	0	0	0	0	2	7	19	20	29	24	24	15	15	0	162
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
145.2	HARD PALATE	0	0	0	0	0	0	0	0	1	1	1	4	2	0	1	3	0	13
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	3	2	2	1	4	1	2	0	15
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	2	1	3	5	2	3	2	2	0	22
145.8	MOUTH OTHER	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	0	0	4

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY TRIVANDRUM

SEX : MALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	0	0	0	0	1	4	5	2	4	3	6	0	59
146.1	TONSIL FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
146.2	TONSIL PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	2	0	5
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	4
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
146.9	ORO NOS	0	0	0	0	0	0	0	2	3	1	5	5	7	7	1	1	0	32
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	0	1	1	0	1	0	1	1	0	1	0	0	0	64
148.1	PYRIF SINUS	0	0	0	0	0	0	2	1	0	7	5	4	5	7	2	3	0	7
148.2	ARYEPIGL FOLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	0	0	0	1	0	3	0	3	5	2	3	2	2	0	0	21
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	1	1	0	0	1	1	0	0	1	0	0	0	5
149.1	WALL RING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	1	1	1	2	4	1	2	1	0	1	0	14
150.4	MID 3RD OESOPH	0	0	0	0	0	1	0	0	2	5	8	10	14	12	9	4	0	65
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	1	2	1	4	7	3	4	5	5	2	0	34
150.8	OESOPH OTHER	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	7
150.9	OESOPH NOS	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	2	0	6
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	0	0	1	1	7	8	8	11	10	5	0	0	96
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	0	1	2	3	1	6	6	4	1	1	0	51
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	25
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	0	0	0	0	0	0	0	2	2	3	2	1	2	0	2

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY TRIVANDRUM
 DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *
 SEX : FEMALE
 YEAR : 1986

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		21
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.1	VERMIL LOW LIP	0	0	0	0	0	0	1	1	2	1	5	1	2	2	0	4	0	19
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
141	TONGUE																		78
141.0	BASE TONGUE	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	5
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	6
141.2	BORDER & TIP	0	0	0	0	2	0	0	1	3	6	8	7	5	5	3	2	0	42
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	0	0	1	5	4	5	3	1	0	0	0	19
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	3
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
143	GUM																		38
143.0	UPPER GUM	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	2	0	6
143.1	LOWER GUM	0	0	0	0	0	0	0	0	1	3	4	4	3	8	4	5	0	32
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		5
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	1	0	5
145	MOUTH OTHER																		138
145.0	BUCCAL MUCOSA	0	0	0	0	0	0	1	0	0	7	15	21	22	16	16	16	0	121
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	3
145.2	HARD PALATE	0	0	0	0	0	0	2	1	1	0	0	1	2	0	0	1	0	8
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY TRIVANDRUM

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	7
146.1	TONS FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	3
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	0	0	0	2	1	2	0	2	1	0	2	0	0	24
148.1	PYRIF SINUS	0	0	0	0	0	0	2	1	0	0	0	0	2	1	1	0	0	10
148.2	ARYEPIGL FOLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
148.3	POST WALL	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
148.9	HYPOPH NOS	0	0	0	0	0	0	0	1	1	1	2	0	0	1	0	0	0	6
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.1	WALD RING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	ESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	4
150.4	MID 3RD OESOPH	0	0	0	0	0	0	0	0	0	3	2	1	2	3	1	1	0	13
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	1	0	1	1	0	1	1	1	3	0	0	10
150.8	ESOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	4
150.9	ESOPH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

HOSPITAL CANCER REGISTRY THIVANDRUM
EXTENT OF DISEASE GROUPS* EXCLUDING PATIENTS NOT EVALUATED FOR CANCER SPREAD (OTHER GROUP)**

ICD9	SITE	Males			Females			TOTAL-n	%	Males			Females			TOTAL	n	%	TOTAL	n	%
		LOC	REG	DIS	LOC	REG	DIS			LOC	REG	DIS	LOC	REG	DIS						
140	LIP	27.8	72.2	0.0	100.0	100.0	18	100.0	0.0	40.0	60.0	0.0	100.0	100.0	20	0	0.0	18	1	4.8	21
141	TONGUE	22.7	77.3	0.0	100.0	100.0	150	100.0	0.0	26.9	73.1	0.0	100.0	100.0	78	5	3.2	155	0	0.0	78
142	SALIVARY GLANDS	18.2	63.6	18.2	100.0	100.0	11	100.0	0.0	33.3	33.3	33.3	100.0	100.0	6	5	31.3	16	2	25.0	8
143	GUM	10.8	87.7	1.5	100.0	65	100.0	65	100.0	7.9	89.5	2.6	100.0	100.0	38	2	3.0	67	0	0.0	38
144	FL OF MOUTH	29.4	64.7	5.9	100.0	17	100.0	17	100.0	0.0	100.0	0.0	100.0	100.0	4	1	5.6	18	1	20.0	5
145	OTHER MOUTH	18.2	81.3	0.5	100.0	209	100.0	209	100.0	20.1	78.4	1.5	100.0	100.0	134	10	4.6	219	4	2.9	138
146	OROPHARYNX	1.5	95.6	2.9	100.0	68	100.0	68	100.0	0.0	100.0	0.0	100.0	100.0	7	1	1.4	69	0	0.0	7
147	NASOPHARYNX	0.0	92.6	7.4	100.0	27	100.0	27	100.0	0.0	81.8	18.2	100.0	100.0	11	0	0.0	27	0	0.0	11
148	HYPOPHARYNX	3.2	88.9	7.9	100.0	63	100.0	63	100.0	13.0	78.3	8.7	100.0	100.0	23	1	1.6	64	1	4.2	24
149	PHARYNX ETC	0.0	100.0	0.0	100.0	5	100.0	5	100.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	5	0	0.0	0
150	ESOPHAGUS	38.3	43.3	18.3	100.0	120	100.0	120	100.0	35.5	51.6	12.9	100.0	100.0	31	6	4.8	126	1	3.1	32
151	STOMACH	9.7	41.6	48.7	100.0	113	100.0	113	100.0	8.6	48.6	42.9	100.0	100.0	35	16	12.4	129	5	12.5	40
152	SM INTEST	0.0	50.0	50.0	100.0	2	100.0	2	100.0	0.0	100.0	0.0	100.0	100.0	1	0	0.0	2	0	0.0	1
153	COLON	13.0	73.9	13.0	100.0	23	100.0	23	100.0	13.3	73.3	13.3	100.0	100.0	15	11	32.4	34	3	16.7	18
154	RECTUM	17.1	77.1	5.7	100.0	35	100.0	35	100.0	39.1	26.1	34.8	100.0	100.0	23	14	10.3	39	1	4.2	24
155	LIVER	27.1	17.1	55.7	100.0	70	100.0	70	100.0	23.5	17.6	58.8	100.0	100.0	17	0	0.0	70	0	0.0	17
156	GALLBLADDER	0.0	100.0	0.0	100.0	6	100.0	6	100.0	50.0	50.0	0.0	100.0	100.0	4	1	14.3	7	0	0.0	4
157	PANCREAS	14.8	40.7	44.4	100.0	27	100.0	27	100.0	0.0	40.0	60.0	100.0	100.0	10	0	0.0	27	0	0.0	10
158	RETROPERIT	0.0	0.0	100.0	100.0	1	100.0	1	100.0	0.0	80.0	20.0	100.0	100.0	5	2	66.7	3	1	16.7	6
159	OTH DIG SYST	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	0	0	0.0	0
160	NASAL CAVITY	8.3	87.5	4.2	100.0	24	100.0	24	100.0	0.0	100.0	0.0	100.0	100.0	13	1	4.0	25	2	13.3	15
161	LARYNX	30.9	68.1	1.1	100.0	94	100.0	94	100.0	20.0	80.0	0.0	100.0	100.0	5	2	2.1	96	0	0.0	5
162	LUNG	12.6	26.5	60.9	100.0	253	100.0	253	100.0	10.5	52.6	36.8	100.0	100.0	19	9	3.4	262	1	5.0	20
163	PLEURA	0.0	50.0	50.0	100.0	2	100.0	2	100.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	2	0	0.0	1
164	THYMUS	0.0	66.7	33.3	100.0	3	100.0	3	100.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	3	0	0.0	0
165	OTH RES SYST	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	0	0	0.0	0
170	BONE	34.6	38.5	26.9	100.0	26	100.0	26	100.0	58.3	41.7	0.0	100.0	100.0	12	0	0.0	26	1	7.7	13
171	CONNECTIVE TISS	60.0	30.0	10.0	100.0	10	100.0	10	100.0	23.1	69.2	7.7	100.0	100.0	13	7	41.2	17	8	38.1	21
172	SKIN MEL	0.0	83.3	16.7	100.0	6	100.0	6	100.0	0.0	0.0	100.0	100.0	100.0	1	8	57.1	14	1	50.0	2
173	SKIN OTH	52.9	41.2	5.9	100.0	34	100.0	34	100.0	50.0	50.0	0.0	100.0	100.0	16	10	22.7	44	12	42.9	28
174	BREAST FEM	—	—	—	—	—	—	—	—	16.9	69.2	14.0	100.0	100.0	172	1	33.3	3	—	51.1	352
175	BREAST MALE	0.0	100.0	0.0	100.0	2	100.0	2	100.0	25.0	75.0	0.0	100.0	100.0	4	—	—	—	2	33.3	6
179	UTERUS UNSP	—	—	—	—	—	—	—	—	18.0	79.3	2.6	100.0	100.0	455	—	—	—	13	2.8	468
180	CERVIX UTERI	—	—	—	—	—	—	—	—	33.3	0.0	66.7	100.0	100.0	3	—	—	—	1	25.0	4
181	PLACENTA	—	—	—	—	—	—	—	—	58.8	41.2	0.0	100.0	100.0	17	—	—	—	6	26.1	23
182	BODY UTERUS	—	—	—	—	—	—	—	—	9.7	50.0	40.3	100.0	100.0	62	—	—	—	37	37.4	99
183	OVARY	—	—	—	—	—	—	—	—	31.6	63.2	5.3	100.0	100.0	19	—	—	—	1	5.0	20
184	VAGINA	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
185	PROSTATE	22.2	40.7	37.0	100.0	27	100.0	27	100.0	—	—	—	—	—	—	3	10.0	30	—	—	—
186	TESTIS	20.0	40.0	40.0	100.0	5	100.0	5	100.0	—	—	—	—	—	—	15	75.0	20	—	—	—
187	PENIS ETC	39.4	57.6	3.0	100.0	33	100.0	33	100.0	—	—	—	—	—	—	9	21.4	42	—	—	—
188	URI BLADDER	73.7	26.3	0.0	100.0	19	100.0	19	100.0	80.0	0.0	20.0	100.0	100.0	5	6	24.0	25	0	0.0	5
189	KIDNEY	33.3	44.4	22.2	100.0	18	100.0	18	100.0	35.7	57.1	7.1	100.0	100.0	14	8	30.8	26	5	26.3	19
190	EYE	0.0	0.0	0.0	0.0	0	0.0	0	0.0	50.0	50.0	0.0	100.0	100.0	2	3	100.0	3	4	66.7	6
191	BRAIN	43.6	41.8	14.5	100.0	55	100.0	55	100.0	44.0	48.0	8.0	100.0	100.0	25	47	46.1	102	34	57.6	59
192	NERV SYST	25.0	75.0	0.0	100.0	4	100.0	4	100.0	0.0	0.0	0.0	0.0	0.0	0	3	42.9	7	2	100.0	2
193	THYM GLAND	17.9	64.3	17.9	100.0	28	100.0	28	100.0	60.5	20.9	18.6	100.0	100.0	43	4	12.5	32	29	40.3	72
194	OTH ENDO GLDS	33.3	0.0	66.7	100.0	6	100.0	6	100.0	0.0	0.0	100.0	100.0	100.0	1	1	14.3	7	1	50.0	2
195	ILLDEF SITE	0.0	0.0	100.0	100.0	1	100.0	1	100.0	0.0	0.0	100.0	100.0	100.0	0	0	0.0	1	0	0.0	1
196	SEC LY NODE	0.0	1.6	98.4	100.0	61	100.0	61	100.0	0.0	0.0	100.0	100.0	100.0	14	2	3.2	63	4	22.2	18
197	SEC RES ETC	0.0	0.0	100.0	100.0	30	100.0	30	100.0	0.0	0.0	100.0	100.0	100.0	12	1	3.2	31	1	7.7	13
198	SEC OTH	0.0	0.0	100.0	100.0	39	100.0	39	100.0	0.0	0.0	100.0	100.0	100.0	23	5	11.4	44	3	11.5	26
199	PRIM UNK	0.0	0.0	100.0	100.0	30	100.0	30	100.0	0.0	0.0	100.0	100.0	100.0	22	0	0.0	30	0	0.0	22
200	LYMPHOMA	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	47	100.0	47	17	100.0	17
201	HODGK DIS	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	35	100.0	35	11	100.0	11
202	OTH LYMPHOMA	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	42	100.0	42	16	100.0	16
203	MULT MYELOMA	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	28	100.0	28	14	100.0	14
204	LEUK LYMPH	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	50	100.0	50	26	100.0	26
205	LEUK MYEL	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	40	100.0	40	43	100.0	43
206	LEUK MONO	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	0	0	0.0	0
207	LEUK OTH SPE	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	5	100.0	5	0	0.0	0
208	LEUK UNSPEC	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	457	19.9	2297	499	25.8	1935
Σ		19.1	53.1	27.8	100.0	1840	100.0	1840	100.0	20.8	64.3	15.0	100.0	100.0	1436	457	19.9	2297	499	25.8	1935

* EXTENT OF DISEASE GROUPS: LOC=Localised; REG=Directly extended, regional lymph nodes (rln) involved, directly extended with rln involved; DIS=Distant metastasis, too advanced

** OTHER GROUP: Not palpable; not applicable; eg haematological cancers; treated elsewhere; recurrent; or unknown.

HOSPITAL CANCER REGISTRY : BANGALORE

This registry is located in the Kidwai Memorial Institute of Oncology, (KMIO), one of ten Regional Centres for Cancer Treatment & Research in India since 1980. It is a Comprehensive Cancer Centre and a referral institution with 210 beds till 1986, and 252 beds from 1987. Additional 200 ambulatory patients with an equal number of attendants can stay in a Dharamashala on the Institute campus while utilizing its services. The institute is structured into five major divisions, viz. pathology, and surgical, radiation, medical, and preventive oncology. About 52% patients are from different parts of Karnataka, about 16% from the adjacent States of Tamil Nadu, Andhra Pradesh, Kerala, and Maharashtra, and the rest from the Bangalore Urban Agglomerate. Patient turnover has greatly increased in recent years due to cancer awareness created through Mobile Cancer Education and Detection camps. Diagnosis and treatment facilities are comprehensive, and multidisciplinary. The KMIO hospital cancer registry, functional since 1980, came into the NCRP network from January 1, 1984.

Registry staff collect information on every patient attending KMIO in the NCRP questionnaire. After initial encounter as an outpatient with a General Duty Doctor in the hospital, the patient is triaged to medical records. The referral department is indicated according to the complaint or site of malignancy. After a case record is prepared, the patient is interviewed by the Social Investigator of the Registry. Data so collected and medically-related information abstracted by doctors are entered onto floppy diskettes for transmission to the Technical Wing. The registry sends follow-up cards to all patients except those with proven benign tumours. A follow-up register is separately maintained.

COMMENT : A total of 6026 patients were registered in 1986 compared to 5777 in 1985 and 4993 in 1984. The male : female ratio was consistently in favour of females (0.8, 0.9 and 0.9) in these three years. In 1986, (using the UICC definition for oral cavity - excluding base tongue, soft palate and uvula which are related to the oropharynx) the leading cancers in females were cervical (42% in 1986), followed by oral cavity (13.7%) and then by breast (10%). In males, cancers of the pharynx (19%), esophagus (10.3%), and lung (9%) predominated in 1986. Interestingly, females exceeded males by 2:1 for oral cavity cancers, and in their proportions of oral cancers (13.7% to 7.4%). About 85-90% cancers in men and over 90% in women were microscopically diagnosed since 1984. After excluding patients not evaluable for extent of disease, in 1986, around 18% male and 9% female solid cancers were first diagnosed when localised; about 25% male and 18% female when distantly spread and the remainder had spread to regional structures at first diagnosis before any treatment. Around 60% of localised cancers and of regionally spread disease in both males and females were treated in the institution in 1986. Treatment status was unknown in 7-8% patients. The remainder did not take cancer-directed treatment.

SENIOR STAFF as of DECEMBER 1988

Dr. M.K. Bhargava, MD., Project Chief
Mr. K.R. Reddy, Chief Biostatistician
Mr. C. Ramesh, Biostatistician
Mr. D.J. Jayaram, Sr. Investigator/Scientific Asst.

YEAR : 1986

SEX : MALE

HOSPITAL CANCER REGISTRY BANGALORE

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
141	TONGUE	160	95.2	0	0.0	7	4.2	1	0.6	168	100.0
142	SALIVARY GLANDS	16	88.9	0	0.0	2	11.1	0	0.0	18	100.0
143	GUM	43	100.0	0	0.0	0	0.0	0	0.0	43	100.0
144	FL OF MOUTH	26	100.0	0	0.0	0	0.0	0	0.0	26	100.0
145	OTHER MOUTH	110	96.5	0	0.0	2	1.8	2	1.8	114	100.0
146	OROPHARYNX	92	98.9	0	0.0	1	1.1	0	0.0	93	100.0
147	NASOPHARYNX	22	91.7	0	0.0	2	8.3	0	0.0	24	100.0
148	HYPOPHARYNX	257	91.1	2	0.7	20	7.1	3	1.1	282	100.0
149	PHARYNX ETC	25	96.2	0	0.0	1	3.8	0	0.0	26	100.0
150	ESOPHAGUS	249	84.1	39	13.2	3	1.0	5	1.7	296	100.0
151	STOMACH	105	74.5	10	7.1	11	7.8	15	10.6	141	100.0
152	SM INTTEST	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
153	COLON	31	72.1	2	4.7	4	9.3	6	14.0	43	100.0
154	RECTUM	79	94.0	0	0.0	4	4.8	1	1.2	84	100.0
155	LIVER	53	89.8	1	1.7	5	8.5	0	0.0	59	100.0
156	GALLBLADDER	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
157	PANCREAS	4	22.2	5	27.8	6	33.3	3	16.7	18	100.0
158	RETROPERIT	9	90.0	0	0.0	1	10.0	0	0.0	10	100.0
159	OTH DIG SYST	10	90.9	0	0.0	1	9.1	0	0.0	11	100.0
160	NASAL CAVITY	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
161	LARYNX	122	86.5	0	0.0	19	13.5	0	0.0	141	100.0
162	LUNG	216	82.4	36	13.7	7	2.7	3	1.1	262	100.0
163	PLEURA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
164	THYMUS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	69	98.6	0	0.0	1	1.4	0	0.0	70	100.0
171	CONNECTIVE TISS	25	96.2	1	3.8	0	0.0	0	0.0	26	100.0
172	SKIN MEL	10	100.0	0	0.0	0	0.0	0	0.0	10	100.0
173	SKIN OTH	37	94.9	0	0.0	2	5.1	0	0.0	39	100.0
175	BREAST MALE	7	87.5	0	0.0	0	0.0	1	12.5	8	100.0
185	PROSTATE	23	88.5	1	3.8	1	3.8	1	3.8	26	100.0
186	TESTIS	32	97.0	0	0.0	1	3.0	0	0.0	33	100.0
187	PENIS ETC	43	95.6	0	0.0	2	4.4	0	0.0	45	100.0
188	URI BLADDER	43	89.6	2	4.2	2	4.2	1	2.1	48	100.0
189	KIDNEY	22	78.6	3	10.7	2	7.1	1	3.6	28	100.0
190	EYE	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
191	BRAIN	90	94.7	5	5.3	0	0.0	0	0.0	95	100.0
192	NERV SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
193	THYR GLAND	27	90.0	0	0.0	2	6.7	1	3.3	30	100.0
194	OTH ENDO GLDS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
195	ILLDEF SITE	34	100.0	0	0.0	0	0.0	0	0.0	34	100.0
196	SEC LY NODE	77	98.7	0	0.0	1	1.3	0	0.0	78	100.0
197	SEC RES ETC	16	84.2	2	10.5	1	5.3	0	0.0	19	100.0
198	SEC OTH	35	85.4	6	14.6	0	0.0	0	0.0	41	100.0
199	PRIM UNK	3	42.9	2	28.6	2	28.6	0	0.0	7	100.0
200	LYMPHOMA	37	100.0	0	0.0	0	0.0	0	0.0	37	100.0
201	HODGK DIS	65	100.0	0	0.0	0	0.0	0	0.0	65	100.0
202	OTH LYMPHOMA	57	91.9	2	3.2	1	1.6	2	3.2	62	100.0
203	MULT MYELOMA	20	90.9	2	9.1	0	0.0	0	0.0	22	100.0
204	LEUK LYMPH	67	100.0	0	0.0	0	0.0	0	0.0	67	100.0
205	LEUK MYEL	73	97.3	0	0.0	1	1.3	1	1.3	75	100.0
206	LEUK MONO	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
207	LEUK OTH SPE	12	100.0	0	0.0	0	0.0	0	0.0	12	100.0
208	LEUK UNSPEC	2	40.0	0	0.0	3	60.0	0	0.0	5	100.0
ALL SITES TOTALS		2588	90.0	121	4.2	118	4.1	47	1.6	2874	100.0

YEAR : 1986

SEX : FEMALE

HOSPITAL CANCER REGISTRY BANGALORE

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
141	TONGUE	34	97.1	0	0.0	1	2.9	0	0.0	35	100.0
142	SALIVARY GLANDS	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
143	GUM	96	100.0	0	0.0	0	0.0	0	0.0	96	100.0
144	FL OF MOUTH	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
145	OTHER MOUTH	299	98.4	0	0.0	4	1.3	1	0.3	304	100.0
146	OROPHARYNX	19	95.0	0	0.0	1	5.0	0	0.0	20	100.0
147	NASOPHARYNX	11	91.7	1	8.3	0	0.0	0	0.0	12	100.0
148	HYPOPHARYNX	25	89.3	1	3.6	2	7.1	0	0.0	28	100.0
149	PHARYNX ETC	13	100.0	0	0.0	0	0.0	0	0.0	13	100.0
150	ESOPHAGUS	185	86.0	21	9.8	2	0.9	7	3.3	215	100.0
151	STOMACH	43	81.1	2	3.8	3	5.7	5	9.4	53	100.0
152	SM INTEST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
153	COLON	12	80.0	1	6.7	1	6.7	1	6.7	15	100.0
154	RECTUM	44	95.7	0	0.0	2	4.3	0	0.0	46	100.0
155	LIVER	17	94.4	0	0.0	1	5.6	0	0.0	18	100.0
156	GALLBLADDER	1	33.3	2	66.7	0	0.0	0	0.0	3	100.0
157	PANCREAS	2	40.0	1	20.0	2	40.0	0	0.0	5	100.0
158	RETROPERIT	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
159	OTH DIG SYST	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
160	NASAL CAVITY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
161	LARYNX	6	85.7	1	14.3	0	0.0	0	0.0	7	100.0
162	LUNG	16	88.9	0	0.0	2	11.1	0	0.0	18	100.0
163	PLEURA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
164	THYMUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	37	88.1	2	4.8	3	7.1	0	0.0	42	100.0
171	CONNECTIVE TISS	27	100.0	0	0.0	0	0.0	0	0.0	27	100.0
172	SKIN MEL	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
173	SKIN OTH	19	95.0	0	0.0	1	5.0	0	0.0	20	100.0
174	BREAST FEM	303	93.2	4	1.2	6	1.8	12	3.7	325	100.0
179	UTERUS UNSP	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
180	CERVIX UTERI	1307	98.6	0	0.0	14	1.1	4	0.3	1325	100.0
181	PLACENTA	5	41.7	4	33.3	0	0.0	3	25.0	12	100.0
182	BODY UTERUS	18	100.0	0	0.0	0	0.0	0	0.0	18	100.0
183	OVARY	83	95.4	0	0.0	3	3.4	1	1.1	87	100.0
184	VAGINA	40	100.0	0	0.0	0	0.0	0	0.0	40	100.0
188	URI BLADDER	7	77.8	1	11.1	0	0.0	1	11.1	9	100.0
189	KIDNEY	10	100.0	0	0.0	0	0.0	0	0.0	10	100.0
190	EYE	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
191	BRAIN	29	96.7	1	3.3	0	0.0	0	0.0	30	100.0
192	NEV SYST	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
193	THYR GLAND	49	96.1	1	2.0	1	2.0	0	0.0	51	100.0
194	OTH ENDO GLDS	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
195	ILDEF SITE	20	100.0	0	0.0	0	0.0	0	0.0	20	100.0
196	SEC LY NODE	24	88.9	0	0.0	2	7.4	1	3.7	27	100.0
197	SEC RES ETC	15	78.9	3	15.8	1	5.3	0	0.0	19	100.0
198	SEC OTH	17	94.4	1	5.6	0	0.0	0	0.0	18	100.0
199	PRIM UNK	0	0.0	1	33.3	2	66.7	0	0.0	3	100.0
200	LYMPHOMA	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
201	HODGK DIS	12	100.0	0	0.0	0	0.0	0	0.0	12	100.0
202	OTH LYMPHOMA	23	100.0	0	0.0	0	0.0	0	0.0	23	100.0
203	MULT MYELOMA	9	100.0	0	0.0	0	0.0	0	0.0	9	100.0
204	LEUK LYMPH	23	100.0	0	0.0	0	0.0	0	0.0	23	100.0
205	LEUK MYEL	49	100.0	0	0.0	0	0.0	0	0.0	49	100.0
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
207	LEUK OTH SPE	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
208	LEUK UNSPEC	3	75.0	0	0.0	1	25.0	0	0.0	4	100.0
ALL SITES TOTALS		3013	95.6	48	1.5	55	1.7	36	1.1	3152	100.0

HOSPITAL CANCER REGISTRY BANGALORE

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

YEAR : 1986

SEX : MALE

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	0	0	0	1	0	3	0	2	1	1	0	8	0.28
141	TONGUE	0	0	0	0	0	2	3	6	12	15	20	34	34	16	17	9	0	168	5.85
142	SALIVARY GL	0	1	0	0	0	0	1	2	2	2	5	2	1	1	1	0	0	18	0.63
143	GUM	0	0	0	0	0	0	1	4	2	4	5	9	7	4	2	5	0	43	1.50
144	FL OF MOUTH	0	0	0	0	0	0	1	2	4	1	4	4	3	4	2	1	0	26	0.90
145	OTHER MOUTH	0	0	0	0	0	1	6	4	10	11	19	18	14	15	10	6	0	114	3.97
146	OROPHARYNX	0	0	0	0	0	1	1	1	2	7	23	16	18	10	5	8	0	93	3.24
147	NASOPHARYNX	0	0	1	1	2	0	2	0	1	5	1	4	3	1	1	2	0	24	0.84
148	HYPOPHARYNX	0	0	0	1	1	1	1	10	11	28	47	42	47	47	25	20	0	282	9.81
149	PHARYNX ETC	0	0	0	0	0	0	1	0	1	2	5	6	6	1	4	0	0	26	0.90
150	ESOPHAGUS	1	0	0	0	0	0	5	7	22	29	46	46	50	48	24	18	0	296	10.30
151	STOMACH	0	0	1	0	3	4	4	10	11	15	18	25	21	13	9	7	0	141	4.91
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.03
153	COLON	0	0	0	0	2	3	1	3	2	8	6	7	7	4	5	2	0	43	1.50
154	RECTUM	0	0	1	1	5	1	7	8	8	11	7	10	11	5	4	5	0	84	2.92
155	LIVER	0	0	0	0	0	0	1	3	7	6	9	6	10	10	4	3	0	59	2.05
156	GALLBLADDER	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	3	0.10
157	PANCREAS	0	0	1	0	0	0	0	2	1	0	3	4	2	3	2	0	0	18	0.63
158	RETROPERIT	0	0	0	0	1	0	1	3	0	1	1	0	0	1	1	1	0	10	0.35
159	OTH DIG SYS	0	0	0	0	0	0	0	1	1	1	1	0	4	0	2	1	0	11	0.38
160	OTH NASAL CAVIT	1	0	0	0	0	0	0	1	0	0	1	1	1	0	1	0	0	7	0.24
161	LARYNX	0	0	0	0	0	0	2	4	7	13	11	23	36	21	13	10	0	141	4.91
162	LUNG	0	0	0	0	0	1	1	9	13	27	41	42	54	35	26	13	0	262	9.12
163	PLEURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.03
164	THYMUS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0.07
165	OTH RES SYS	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BONE	0	1	3	16	8	7	5	4	4	5	4	5	3	1	0	4	0	70	2.44
171	CONNECTIVE	2	2	2	1	2	4	2	1	0	3	4	0	1	0	1	0	0	26	0.90
172	SKIN MEL	0	0	1	1	2	0	1	0	0	1	0	0	2	0	1	1	0	10	0.35
173	SKIN OTH	0	0	0	0	0	0	1	3	2	3	6	2	15	3	0	4	0	39	1.36
175	BREAST MALE	0	0	0	0	0	0	0	0	0	0	3	0	1	1	1	2	0	8	0.28
185	PROSTATE	0	0	0	0	0	0	1	0	0	0	4	3	5	3	5	5	0	26	0.90
186	TESTIS	2	0	1	1	2	7	6	8	0	3	1	0	1	0	1	0	0	33	1.15
187	PENIS ETC	0	0	0	0	0	2	3	3	5	12	7	5	1	5	0	2	0	45	1.57
188	URI BLADDER	0	1	0	0	0	0	0	1	0	4	6	6	12	5	6	6	0	48	1.67
189	KIDNEY	4	0	1	0	0	1	0	2	0	5	5	4	2	1	3	0	0	28	0.97
190	EYE	6	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8	0.28
191	BRAIN	4	13	8	3	6	5	10	10	7	6	5	8	4	3	2	1	0	95	3.31
192	NERV SYST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
193	THYR GLAND	0	1	1	1	1	1	0	3	0	3	4	7	1	3	3	1	0	30	1.04
194	OTH ENDO GL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
195	ILDEF SITE	2	0	1	3	3	0	1	2	3	4	5	4	1	1	1	3	0	34	1.18
196	SEC LY NODE	1	1	1	0	0	4	2	4	3	3	17	12	12	7	6	5	0	78	2.71
197	SEC RES ETC	0	0	0	1	1	1	0	0	0	4	3	2	3	4	4	0	0	41	1.43
198	SEC OTH	1	3	0	0	1	0	1	2	1	5	6	4	9	1	3	0	0	19	0.66
199	PRIM UNK	0	0	0	0	0	0	1	0	0	4	2	2	1	0	0	0	0	7	0.24
200	LYMPHOSA	0	1	5	6	2	2	2	2	4	1	2	4	2	2	1	1	0	37	1.29
201	HODGK DIS	1	17	12	4	3	2	3	7	3	7	5	2	2	6	0	0	0	65	2.26
202	OTH LYMPHOM	6	6	1	6	1	1	3	4	1	4	4	3	5	2	3	2	0	62	2.16
203	MULT MYELOM	0	0	0	0	0	0	0	1	0	2	4	5	5	2	1	1	0	22	0.77
204	LEUK LYMPH	15	10	15	7	4	1	4	0	2	2	3	3	1	0	0	0	0	67	2.33
205	LEUK MYEL	2	3	4	4	7	7	10	12	8	7	2	2	5	1	1	1	0	75	2.61
206	LEUK MONO	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0.10
207	LEUK OTH SP	2	2	1	0	2	0	0	1	0	0	2	2	0	0	0	0	0	12	0.42
208	LEUK UNSPEC	0	0	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	5	0.17
TOTAL		50	64	62	57	61	75	93	150	162	271	382	384	423	292	199	149	0	2874	100.00

HOSPITAL CANCER REGISTRY BANGALORE
 NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	3	0.10
141	TONGUE	0	0	0	0	1	0	1	3	1	7	8	4	7	1	2	0	0	35	1.11
142	SALIVARY GL	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	3	0.10
143	GUM	0	0	0	0	0	0	1	4	6	8	24	11	18	12	6	6	0	96	3.05
144	FL OF MOUTH	0	0	0	0	0	1	0	0	1	1	0	2	1	0	0	0	0	6	0.19
145	OTHER MOUTH	1	0	0	0	2	3	6	18	26	40	58	34	60	28	15	13	0	304	9.64
146	OROPHARYNX	0	0	0	1	0	0	0	1	1	4	3	3	3	2	0	1	0	20	0.63
147	NASOPHARYNX	1	0	1	2	1	0	3	2	0	0	0	0	2	2	1	0	0	12	0.38
148	HYPOPHARYNX	0	0	0	0	0	0	1	3	3	2	4	2	10	2	1	0	0	28	0.89
149	PHARYNX ETC	0	0	0	0	0	0	1	0	2	3	0	1	5	0	0	1	0	13	0.41
150	ESOPHAGUS	0	0	0	0	0	0	7	6	12	30	42	31	41	28	13	5	0	215	6.82
151	STOMACH	0	0	0	0	0	3	4	7	5	4	8	5	10	6	1	0	0	53	1.68
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
153	COLON	0	0	0	0	1	0	0	1	1	1	4	3	3	1	2	1	0	15	0.48
154	RECTUM	0	0	1	1	2	5	2	3	4	5	9	6	2	3	3	2	0	46	1.46
155	LIVER	0	0	0	0	1	2	0	1	1	0	4	4	2	3	1	2	0	18	0.57
156	GALLBLADDER	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	3	0.10
157	PANCREAS	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	5	0.16
158	RETROPERIT	1	0	0	1	1	1	0	1	1	1	1	1	0	1	0	0	0	7	0.22
159	OTH DIG SYS	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	6	0.19
160	NASAL CAVIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
161	LARYNX	0	0	0	0	0	1	0	0	1	0	2	2	3	5	2	1	0	18	0.57
162	LUNG	0	0	0	0	0	0	0	0	4	1	2	3	3	0	0	0	0	0	0.00
163	PLEURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BONE	0	0	6	9	1	1	1	1	3	2	2	4	3	5	2	3	1	42	1.33
171	CONNECTIVE	1	1	2	3	3	1	1	1	2	2	2	1	2	2	4	0	1	27	0.86
172	SKIN MEL	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0	0	8	0.25
173	SKIN OTH	2	0	0	0	0	2	0	1	1	0	3	1	4	2	1	0	0	20	0.63
174	BREAST FEM	0	0	0	0	1	12	14	44	41	54	50	40	29	18	14	8	0	325	10.31
179	UTERUS UNS	0	0	0	0	1	0	0	0	1	1	1	0	2	1	0	0	0	7	0.22
180	CERVIX UTER	0	0	0	0	5	27	68	163	205	271	216	134	129	66	29	12	0	1325	42.04
181	PLACENTA	0	0	0	3	1	1	3	3	1	0	0	0	0	0	0	0	0	12	0.38
182	BODY UTERUS	0	0	0	0	0	0	1	0	1	3	4	4	4	1	0	0	0	18	0.57
183	OVARY	0	0	2	2	6	2	4	8	7	14	15	11	9	6	4	5	0	87	2.76
184	VAGINA	1	0	0	0	0	1	0	3	1	7	5	5	4	4	2	2	0	40	1.27
188	URI BLADDER	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	9	0.29
189	KIDNEY	1	1	0	0	0	0	1	0	0	2	2	1	1	0	0	0	0	10	0.32
190	EYE	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	4	0.13
191	BRAIN	2	7	3	2	2	2	0	3	1	1	1	3	1	1	1	0	0	30	0.95
192	NERV SYST	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0.06
193	THYR GLAND	0	0	0	1	1	4	5	5	4	2	13	4	7	4	1	0	0	51	1.62
194	OTH ENDO GL	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.10
195	ILLDEF SITE	1	1	2	0	3	2	1	2	1	1	3	2	4	0	1	1	0	20	0.63
196	SEC LY NODE	2	0	0	1	0	1	1	1	3	4	1	3	4	4	1	1	0	27	0.86
197	SEC RES ETC	2	0	0	0	0	1	1	0	2	2	4	4	2	1	2	0	0	19	0.60
198	SEC OTH	2	1	0	0	0	2	0	1	2	1	0	4	3	1	1	0	0	18	0.57
199	PRIM UNK	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	3	0.10
200	LYMPHOSA	1	1	0	1	1	1	1	0	0	1	0	2	0	0	0	0	0	8	0.25
201	HODGK DIS	0	0	0	2	1	3	3	1	0	0	1	3	0	1	0	0	0	12	0.38
202	OTH LYMPHOM	1	1	1	0	1	1	0	1	3	3	3	3	0	3	1	1	0	23	0.73
203	MULT MYELOM	0	0	0	1	0	0	0	0	0	2	2	2	0	2	0	0	0	9	0.29
204	LEUK LYMPH	3	7	4	0	2	1	1	1	2	3	5	2	3	1	1	0	0	23	0.73
205	LEUK MYEL	0	2	2	6	4	7	6	4	4	2	5	2	3	1	1	0	0	49	1.55
206	LEUK MONO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
207	LEUK OTH SP	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	4	0.13
208	LEUK UNSPEC	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0.13
TOTAL																			3152	100.00

HOSPITAL CANCER REGISTRY BANGALORE

SEX : MALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL UP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	8
140.1	VERMIL LOW	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
140.2	MUCOSA UP	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	4
140.3	MUCOSA LOW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
140.4	MUCOSA NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.7	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	1	2	4	8	10	17	22	29	12	17	5	0	168
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.4	ANT 2/3RD TONGUE	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.7	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE NOS	0	0	0	0	0	1	1	2	4	5	3	10	5	4	0	4	0	39
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	0	0	0	0	0	2	2	2	1	0	2	0	43
143.1	LOWER GUM	0	0	0	0	0	0	1	4	1	3	3	6	5	3	2	3	0	9
143.2	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
143.3	GUM NOS	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	3
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	26
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
144.2	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.3	FL MOUTH NOS	0	0	0	0	0	0	1	2	3	1	4	4	3	4	2	1	0	25
145	MOUTH OTHER																		
145.0	BUCCAL MUCOSA	0	0	0	0	0	1	4	4	8	7	12	8	6	6	5	5	0	114
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
145.2	HARD PALATE	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	1	0	4	3	4	3	1	0	16
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	3
145.5	PALATE NOS	0	0	0	0	0	0	1	0	1	1	2	3	4	1	1	0	0	14
145.6	RETROMOL AREA	0	0	0	0	0	0	1	0	0	2	3	2	0	3	0	0	0	11
145.7	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.8	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY BANGALORE
 DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX
 SEX : MALE
 YEAR : 1986

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	1	1	1	1	6	9	14	9	8	4	7	0	93
146.1	TONSIL FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
146.2	TONSIL PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
146.3	VALLECULA	0	0	0	0	0	0	0	0	0	1	9	2	5	2	0	1	0	20
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	0	0	0	1	0	4	0	3	0	0	0	0	8
148	HYPOPHARYNX																		
148.0	POSTCALICOID	0	0	0	0	1	1	0	3	1	0	0	1	1	1	0	3	0	282
148.1	PYRIF SINUS	0	0	0	0	0	0	1	7	8	24	41	37	40	37	24	16	0	13
148.2	ARYEPICL FOLD	0	0	0	0	0	0	0	0	1	4	4	2	1	3	0	1	0	235
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	0	0	0	1	0	0	1	0	2	2	5	6	1	0	0	18
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	0	1	0	1	2	5	6	6	1	4	0	0	26
149.1	WALD KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	296
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	6	2	5	5	4	8	2	1	0	33
150.4	MID 3RD OESOPH	1	0	0	0	0	0	2	2	4	18	22	28	26	19	9	11	0	142
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	2	3	6	5	12	4	7	11	7	2	0	59
150.8	OESOPH OTHER	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
150.9	OESOPH NOS	0	0	0	0	0	0	1	2	6	4	6	9	13	10	6	4	0	61
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	0	0	2	3	8	5	8	16	10	6	4	0	141
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	1	0	2	3	4	7	13	8	4	3	0	62
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	45
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	3	0	3
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
161.9	LARYNX NOS	0	0	0	0	0	0	1	1	0	2	2	6	6	2	3	0	0	0

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

HOSPITAL CANCER REGISTRY BANGALORE
 SEX : FEMALE
 DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		3
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.1	VERMIL LOW LIP	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		35
141.0	BASE TONGUE	0	0	0	0	0	0	0	0	0	3	3	3	1	0	1	0	0	11
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.9	TONGUE NOS	0	0	0	0	1	0	1	3	1	4	4	1	6	1	1	0	0	23
143	GUM																		96
143.0	UPPER GUM	0	0	0	0	0	0	1	0	0	0	5	9	6	1	1	0	0	14
143.1	LOWER GUM	0	0	0	0	0	0	0	4	5	6	18	0	11	10	5	5	0	73
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143.9	GUM NOS	0	0	0	0	0	0	0	0	1	2	1	2	1	1	0	1	0	9
144	FLOOR MOUTH																		6
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	1	0	0	1	1	0	2	1	0	0	0	0	6
145	MOUTH OTHER																		304
145.0	BUCCAL MUCOSA	0	0	0	0	2	2	6	15	24	37	52	33	50	26	15	13	0	275
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.2	HARD PALATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.3	SOFT PALATE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	2	1	3	0	0	0	0	8
145.6	RETROMOL AREA	0	0	0	0	0	1	0	0	1	3	4	0	5	2	0	0	0	18
145.8	RETROMOL AREA	0	0	0	0	0	0	0	3	1	3	4	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY BANGALORE

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		20
146.0	TONSIL	0	0	0	1	0	0	0	0	0	4	2	2	2	1	0	1	0	14
146.1	TONSIL FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.2	TONSIL PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	3
148	HYPOPHARYNX																		28
148.0	POSTCRICOID	0	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0	0	5
148.1	PYRIF SINUS	0	0	0	0	0	0	0	0	0	0	2	2	9	1	1	0	0	17
148.2	ARYEPICL FOLD	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	3
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	3
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		13
149.0	PHARYNX NOS	0	0	0	0	0	0	1	0	2	3	0	1	5	0	0	1	0	13
149.1	WALD KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		215
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	3	2	5	1	2	0	0	0	0	13
150.4	MID 3RD OESOPH	0	0	0	0	0	0	5	3	4	15	20	20	19	13	7	1	0	107
150.5	LOW 3RD OESOPH	0	0	0	0	0	0	2	2	4	3	6	3	4	5	0	0	0	29
150.8	OESOPH OTHER	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
150.9	OESOPH NOS	0	0	0	0	0	0	0	1	1	10	10	7	16	10	6	4	0	65
161	LARYNX																		7
161.0	GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	4
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	3

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

ICD9	SITE	Males				Females				Males		Females	
		LOC	REG	%	TOTAL-n	LOC	REG	%	TOTAL-n	n	%	n	%
140	LIP	12.5	50.0	37.5	100.0	0.0	0.0	100.0	100.0	0	0.0	0	0.0
141	TONGUE	9.7	75.8	14.5	100.0	17.6	70.6	11.8	100.0	3	1.8	1	2.9
142	SALIVARY GLDS	33.3	58.3	8.3	100.0	66.7	33.3	0.0	100.0	3	33.3	0	0.0
143	GUM	4.8	73.8	21.4	100.0	3.1	66.7	30.2	100.0	6	2.3	0	0.0
144	FL OF MOUTH	4.2	75.0	20.8	100.0	0.0	66.7	33.3	100.0	2	7.7	26	0.0
145	OTHER MOUTH	12.4	57.1	30.5	100.0	7.7	58.3	34.0	100.0	9	7.9	114	4
146	OROPHARYNX	11.8	75.3	12.9	100.0	20.0	70.0	10.0	100.0	0	0.0	93	0
147	NASOPHARYNX	8.7	56.5	34.8	100.0	8.3	83.3	8.3	100.0	1	4.2	24	0
148	HYPOPHARYNX	9.0	80.9	10.1	100.0	21.4	67.9	10.7	100.0	4	1.4	282	0
149	PHARYNX ETC	12.0	76.0	12.0	100.0	30.8	61.5	7.7	100.0	1	3.8	26	0
150	ESOPHAGUS	34.2	56.1	9.7	100.0	29.6	60.2	10.2	100.0	18	6.1	296	19
151	STOMACH	13.6	39.8	46.6	100.0	6.1	39.4	54.5	100.0	38	27.0	141	20
152	SM INTEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	100.0	1	0
153	COLON	36.8	36.8	26.3	100.0	40.0	20.0	40.0	100.0	0	0.0	0	0.0
154	RECTUM	12.1	68.2	19.7	100.0	20.0	60.0	20.0	100.0	24	55.8	43	10
155	LIVER	32.1	5.7	62.3	100.0	25.0	43.8	31.3	100.0	18	21.4	84	6
156	GALLBLADDER	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	2	10.2	59	2
157	PANCREAS	0.0	7.7	92.3	100.0	0.0	0.0	100.0	100.0	2	66.7	3	1
158	RETROPERIT	25.0	37.5	37.5	100.0	0.0	0.0	100.0	100.0	5	27.8	18	3
159	OTH DIG SYST	0.0	30.0	70.0	100.0	0.0	0.0	100.0	100.0	2	20.0	10	2
160	NASAL CAVITY	16.7	83.3	0.0	100.0	0.0	0.0	0.0	0.0	1	9.1	11	1
161	LARYNX	31.7	61.9	6.5	100.0	13.9	0.0	85.7	14.3	1	14.3	7	0
162	LUNG	5.1	43.4	51.6	100.0	25.6	0.0	35.3	64.7	6	2.3	262	1
163	PLEURA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	100.0	1	0
164	THYROID	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	1	50.0	2	0
165	OTH RES SYST	37.0	53.7	9.3	100.0	31.6	39.5	28.9	100.0	16	22.9	70	4
170	BONE	27.8	50.0	22.2	100.0	42.9	50.0	33.3	100.0	8	30.8	26	15
171	CONNECTIVE TISS	28.6	71.4	0.0	100.0	17	42.9	42.9	14.3	3	30.0	10	1
172	SKIN MEL	45.7	37.1	17.1	100.0	35	77.8	5.6	16.7	4	10.3	39	2
173	SKIN OTH	—	—	—	—	—	—	—	—	—	—	—	—
174	BREAST FEM	—	—	—	—	—	—	—	—	—	—	—	—
175	BREAST MALE	50.0	50.0	0.0	100.0	2	18.5	54.3	27.2	6	75.0	8	—
179	UTERUS UNSP	—	—	—	—	—	—	—	—	—	—	—	—
180	CERVIX UTERI	—	—	—	—	—	—	—	—	—	—	—	—
181	PLACENTA	—	—	—	—	—	—	—	—	—	—	—	—
182	BODY UTERUS	—	—	—	—	—	—	—	—	—	—	—	—
183	OVARY	—	—	—	—	—	—	—	—	—	—	—	—
184	VAGINA	—	—	—	—	—	—	—	—	—	—	—	—
185	PROSTATE	16.7	25.0	58.3	100.0	12	20.0	40.0	40.0	14	53.8	26	—
186	TESTIS	13.3	33.3	53.3	100.0	15	1.5	90.0	8.5	18	54.5	33	—
187	PENIS ETC	47.4	47.4	5.3	100.0	38	25.0	0.0	75.0	7	15.6	45	—
188	URI BLADDER	33.3	48.1	18.5	100.0	27	42.9	28.6	28.6	21	43.8	48	2
189	KIDNEY	9.1	18.2	72.7	100.0	11	0.0	50.0	50.0	17	60.7	28	6
190	EYE	83.3	0.0	16.7	100.0	6	75.0	25.0	0.0	2	25.0	8	0
191	BRAIN	38.5	61.5	0.0	100.0	52	36.4	63.6	0.0	43	45.3	95	19
192	NEKV SYST	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0	0
193	THYR GLAND	22.7	63.6	13.6	100.0	22	22.9	62.9	14.3	8	26.7	30	16
194	OTH ENDO GLDS	0.0	0.0	0.0	0.0	0	0.0	0.0	100.0	0	0.0	0	0
195	ILLDEF SITE	43.5	39.1	17.4	100.0	23	50.0	20.0	30.0	11	32.4	34	10
196	SEC LY NODE	0.0	31.2	68.8	100.0	77	0.0	25.0	75.0	1	1.3	78	3
197	SEC LY ETC	0.0	0.0	100.0	100.0	17	0.0	6.3	93.8	2	10.5	19	3
198	SEC OTH	0.0	5.7	94.3	100.0	35	0.0	0.0	100.0	6	14.6	41	5
199	PKIM UNK	0.0	0.0	100.0	100.0	6	0.0	0.0	100.0	1	14.3	7	0
200	LYMPHOMA	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	37	100.0	37	8
201	HODGK DIS	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	65	100.0	65	12
202	OTH LYMPHOMA	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	23	100.0	23	0
203	MULT MYELOMA	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	62	100.0	62	9
204	LEUK LYMPH	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	22	100.0	22	9
205	LEUK MYEL	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	67	100.0	67	23
206	LEUK MONO	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	75	100.0	75	49
207	LEUK OTH SPE	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	100.0	3	0
208	LEUK UNSPEC	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	12	100.0	12	4
		Males				Females				Males		Females	
		LOC	REG	%	TOTAL-n	LOC	REG	%	TOTAL-n	n	%	n	%
		18.1	55.5	26.5	100.0	9.2	72.3	18.5	100.0	689	24.0	2874	564

* EXTENT OF DISEASE GROUPS: LOC=Localised; REG=Directly extended, regional lymph nodes (rln) involved, directly extended with rln involved; DIS=Distant metastasis, too advanced

** OTHER GROUP: Not palpable; not applicable, eg haematological cancers; treated elsewhere; recurrent; or unknown

HOSPITAL CANCER REGISTRY - BOMBAY

This registry is located in the Tata Memorial Hospital, established by the Dorabji Tata Trust in 1941 as the pioneer cancer hospital in India. This hospital is one of two units of the Tata Memorial Centre. The other unit is the Cancer Research Institute, founded in 1952 to conduct basic research in cancer. Administrative control of the Centre is with the Department of Atomic Energy, Government of India.

The Tata Memorial Hospital (TMH) is a well equipped comprehensive cancer care hospital with departments of surgery, anaesthesiology, pathology, cytology, biochemistry, blood bank, radiodiagnosis, radiotherapy, medical oncology, medical records and statistics, social service, rehabilitation and administration. Total staff strength is 1780, consisting of 207 medical and scientific, 357 technical, 170 administrative and 1046 auxiliary personnel. As of 1986 the hospital has 370 beds, a 22-bedded intensive care unit and 8 operation theatres.

Patients come from all over India to the hospital. During 1986, of the 12,447 cancer patients diagnosed 28.2% were from Bombay city, 34.1% from Maharashtra state (excluding Bombay), 9.1% from Uttar Pradesh, 6.1% from Madhya Pradesh, 4.9% from Gujarat and 15.8% from other parts of India.

The Hospital Cancer Registry, functioning under the Department of Medical Records & Statistics since 1941, joined the NCRP network from January 1, 1984. The TMH registry now collects data on the NCRP-HCR proforma in addition to its own forms. As of 1986, staff assigned to the registry include one clinical investigator, 2 scientific assistants and 1 upper division clerk.

A NORISK Data ND 550-CX mini computer with 24 interactive terminals was installed at TMH in November 1985. All abstracted cancer patient data have been entered in the computer. So far data on 35,000 cancer patients registered from 1984-1986 are available on the computer for clinical research, epidemiological studies and education.

COMMENT :

In 1986, around 12,500 cases were registered, compared to 12,002 in 1985 and 10,615 in 1984. Male:female ratio was 1.3 in 1986, similar to previous years. When head & neck cancers were classified by UICC criteria, the leading cancer in men was of the pharynx (19.8%), then lip & oral cavity (12.4%), and esophagus (8.1%). In women the leading cancer was cervical (29.7%), then breast (21.9%), oral cavity with lip (7.3%). Some 93-94% cancers were microscopically diagnosed. About 20-25% were localised and half to three-fourths regionally spread at first diagnosis. About 80% males with localised, 70% with regionally spread, and 35% with advanced cancers were treated. Among female patients, around 90% with localised or regionally spread disease, and 40% with advanced cancers were treated.

SENIOR STAFF AS OF DECEMBER 1988/JANUARY 1989

Dr. P. B. Desai, Project Chief

Mr. D. N. Rao, Biostatistician & Medical Records Officer

Dr. P. D. Shroff, Clinical Investigator

YEAR : 1986

SEX : MALE

HOSPITAL CANCER REGISTRY BOMBAY

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	30	100.0	0	0.0	0	0.0	0	0.0	30	100.0
141	TONGUE	569	93.6	0	0.0	36	5.9	3	0.5	608	100.0
142	SALIVARY GLANDS	18	100.0	0	0.0	0	0.0	0	0.0	18	100.0
143	GUM	174	97.2	0	0.0	4	2.2	1	0.6	179	100.0
144	FL OF MOUTH	46	95.8	0	0.0	2	4.2	0	0.0	48	100.0
145	OTHER MOUTH	431	94.5	0	0.0	20	4.4	5	1.1	456	100.0
146	OROPHARYNX	315	96.3	0	0.0	9	2.8	3	0.9	327	100.0
147	NASOPHARYNX	57	91.9	1	1.6	3	4.8	1	1.6	62	100.0
148	HYPOPHARYNX	542	93.4	1	0.2	32	5.5	5	0.9	580	100.0
149	PHARYNX ETC	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
150	OESOPHAGUS	498	88.9	50	8.9	1	0.2	11	2.0	560	100.0
151	STOMACH	142	90.4	4	2.5	1	0.6	10	6.4	157	100.0
152	SM INTEST	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
153	COLON	107	93.0	0	0.0	1	0.9	7	6.1	115	100.0
154	RECTUM	147	94.2	0	0.0	5	3.2	4	2.6	156	100.0
155	LIVER	39	100.0	0	0.0	0	0.0	0	0.0	39	100.0
156	GALLBLADDER	29	85.3	0	0.0	0	0.0	5	14.7	34	100.0
157	PANCREAS	16	61.5	0	0.0	0	0.0	10	38.5	26	100.0
158	RETROPERIT	19	90.5	0	0.0	1	4.8	1	4.8	21	100.0
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
160	NASAL CAVITY	73	94.8	0	0.0	2	2.6	2	2.6	77	100.0
161	LARYNX	421	92.1	0	0.0	28	6.1	8	1.8	457	100.0
162	LUNG	376	88.5	46	10.8	0	0.0	3	0.7	425	100.0
163	PLEURA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
164	THYMUS	5	83.3	1	16.7	0	0.0	0	0.0	6	100.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	119	99.2	0	0.0	0	0.0	1	0.8	120	100.0
171	CONNECTIVE TISS	139	93.9	0	0.0	3	2.0	6	4.1	148	100.0
172	SKIN MEL	12	92.3	0	0.0	0	0.0	1	7.7	13	100.0
173	SKIN OTH	98	98.0	0	0.0	0	0.0	2	2.0	100	100.0
175	BREAST MALE	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0
185	PROSTATE	64	70.3	0	0.0	25	27.5	2	2.2	91	100.0
186	TESTIS	120	95.2	0	0.0	2	1.6	4	3.2	126	100.0
187	PENIS ETC	103	94.5	0	0.0	5	4.6	1	0.9	109	100.0
188	URI BLADDER	101	96.2	1	1.0	0	0.0	3	2.9	105	100.0
189	KIDNEY	30	78.9	4	10.5	0	0.0	4	10.5	38	100.0
190	EYE	29	100.0	0	0.0	0	0.0	0	0.0	29	100.0
191	BRAIN	66	97.1	2	2.9	0	0.0	0	0.0	68	100.0
192	NEKV SYST	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
193	THYR GLAND	67	97.1	0	0.0	0	0.0	2	2.9	69	100.0
194	OTH ENDO GLDS	8	100.0	0	0.0	0	0.0	0	0.0	8	100.0
195	ILLDEF SITE	10	100.0	0	0.0	0	0.0	0	0.0	10	100.0
196	SEC LY NODE	221	95.3	0	0.0	10	4.3	1	0.4	232	100.0
197	SEC RES ETC	120	78.4	12	7.8	18	11.8	3	2.0	153	100.0
198	SEC OTH	61	80.3	7	9.2	6	7.9	2	2.6	76	100.0
199	PRIM UNK	19	76.0	3	12.0	3	12.0	0	0.0	25	100.0
200	LYMPHOMA	226	98.7	0	0.0	0	0.0	3	1.3	229	100.0
201	HODGK DIS	159	99.4	0	0.0	0	0.0	1	0.6	160	100.0
202	OTH LYMPHOMA	71	94.7	2	2.7	0	0.0	2	2.7	75	100.0
203	MULT MYELOMA	41	85.4	0	0.0	0	0.0	7	14.6	48	100.0
204	LEUK LYMPH	238	98.8	0	0.0	0	0.0	3	1.2	241	100.0
205	LEUK MYEL	233	99.6	0	0.0	0	0.0	1	0.4	234	100.0
206	LEUK MONO	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
207	LEUK OTH SPE	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
208	LEUK UNSPEC	15	100.0	0	0.0	0	0.0	0	0.0	15	100.0
ALL SITES TOTALS		6460	93.1	134	1.9	217	3.1	128	1.8	6939	100.0

YEAR : 1986

SEX : FEMALE

HOSPITAL CANCER REGISTRY BOMBAY

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9th	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	16	94.1	0	0.0	0	0.0	1	5.9	17	100.0
141	TONGUE	137	96.5	0	0.0	4	2.8	1	0.7	142	100.0
142	SALIVARY GLANDS	20	100.0	0	0.0	0	0.0	0	0.0	20	100.0
143	GU	83	96.5	0	0.0	3	3.5	0	0.0	86	100.0
144	FL OF MOUTH	14	93.3	0	0.0	0	0.0	1	6.7	15	100.0
145	OTHER MOUTH	181	95.3	0	0.0	7	3.7	2	1.1	190	100.0
146	OROPHARYNX	46	95.8	0	0.0	1	2.1	1	2.1	48	100.0
147	NASOPHARYNX	18	94.7	0	0.0	0	0.0	1	5.3	19	100.0
148	HYPOPHARYNX	104	89.7	4	3.4	6	5.2	2	1.7	116	100.0
149	PHARYNX ETC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
150	ESOPHAGUS	277	90.8	28	9.2	0	0.0	0	0.0	305	100.0
151	STOMACH	57	81.4	5	7.1	1	1.4	7	10.0	70	100.0
152	SM INTES	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
153	COLON	36	90.0	0	0.0	1	2.5	3	7.5	40	100.0
154	RECTUM	84	94.4	0	0.0	1	1.1	4	4.5	89	100.0
155	LIVER	8	80.0	0	0.0	0	0.0	2	20.0	10	100.0
156	GALLBLADDER	28	96.6	0	0.0	0	0.0	1	3.4	29	100.0
157	PANCREAS	5	55.6	1	11.1	0	0.0	3	33.3	9	100.0
158	RETROPERIT	12	92.3	0	0.0	0	0.0	1	7.7	13	100.0
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
160	NASAL CAVITY	42	93.3	0	0.0	1	2.2	2	4.4	45	100.0
161	LARYNX	48	96.0	0	0.0	1	2.0	1	2.0	50	100.0
162	LUNG	61	91.0	5	7.5	0	0.0	1	1.5	67	100.0
163	PLEURA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
164	THYRUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	42	95.5	0	0.0	0	0.0	2	4.5	44	100.0
171	CONNECTIVE TISS	55	98.2	0	0.0	0	0.0	1	1.8	56	100.0
172	SKIN MEL	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0
173	SKIN OTH	54	100.0	0	0.0	0	0.0	0	0.0	54	100.0
174	BREAST FEM	1103	91.5	0	0.0	47	3.9	55	4.6	1205	100.0
179	UTERUS UNSP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180	CERVIX UTERI	1563	95.7	2	0.1	50	3.1	19	1.2	1634	100.0
181	PLACENTA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
182	BODY UTERUS	85	94.4	0	0.0	0	0.0	5	5.6	90	100.0
183	OVARY	178	95.7	0	0.0	0	0.0	8	4.3	186	100.0
184	VAGINA	50	98.0	0	0.0	1	2.0	0	0.0	51	100.0
188	URI BLADDER	11	91.7	0	0.0	0	0.0	1	8.3	12	100.0
189	KIDNEY	18	100.0	0	0.0	0	0.0	0	0.0	18	100.0
190	EYE	14	100.0	0	0.0	0	0.0	0	0.0	14	100.0
191	BRAIN	32	91.4	2	5.7	0	0.0	1	2.9	35	100.0
192	NERV SYST	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
193	THYR GLAND	79	96.3	0	0.0	0	0.0	3	3.7	82	100.0
194	OTH ENDO GLDS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
195	ILDEF SITE	3	75.0	0	0.0	0	0.0	1	25.0	4	100.0
196	SEC LY NODE	67	97.1	1	1.4	1	1.4	0	0.0	69	100.0
197	SEC RES ETC	103	84.4	7	5.7	10	8.2	2	1.6	122	100.0
198	SEC OTH	45	73.8	6	9.8	7	11.5	3	4.9	61	100.0
199	PRIM UNK	9	90.0	0	0.0	1	10.0	0	0.0	10	100.0
200	LYMPHOMA	76	98.7	0	0.0	0	0.0	1	1.3	77	100.0
201	HODGK DIS	37	100.0	0	0.0	0	0.0	0	0.0	37	100.0
202	OTH LYMPHOMA	20	100.0	0	0.0	0	0.0	0	0.0	20	100.0
203	MULT MYELOMA	18	94.7	0	0.0	0	0.0	1	5.3	19	100.0
204	LEUK LYMPH	95	100.0	0	0.0	0	0.0	0	0.0	95	100.0
205	LEUK MYEL	101	99.0	0	0.0	0	0.0	1	1.0	102	100.0
206	LEUK MONO	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
208	LEUK UNSPEC	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
ALL SITES TOTALS		5166	93.8	61	1.1	143	2.6	138	2.5	5508	100.0

HOSPITAL CANCER REGISTRY BOMBAY

YEAR : 1986

SEX : MALE

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	2	1	2	2	3	5	4	3	4	4	0	30	0.43
141	TONGUE	0	0	0	0	0	2	17	26	46	94	106	95	94	67	30	25	1	608	8.76
142	SALIVARY GL	0	0	0	1	0	0	1	2	0	4	1	3	3	1	2	0	0	18	0.26
143	GUM	0	0	0	1	1	1	3	18	14	22	28	35	24	13	6	9	0	179	2.58
144	FL OF MOUTH	0	0	0	0	0	0	1	2	3	7	5	12	7	4	4	2	0	48	0.69
145	OTHER MOUTH	1	0	0	0	0	4	16	32	52	70	83	67	57	32	19	19	0	456	6.57
146	OROPHARYNX	0	0	0	0	0	0	1	15	27	41	62	58	56	30	19	11	1	327	4.71
147	NASOPHARYNX	0	1	12	5	4	2	0	8	5	8	6	3	3	1	2	2	0	62	0.89
148	HYPOPHARYNX	0	0	1	0	2	8	9	26	38	62	103	105	106	52	36	31	1	580	8.36
149	PHARYNX ETC	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	3	0.04
150	OESOPHAGUS	0	0	0	1	0	2	2	20	38	66	90	97	98	82	37	27	0	560	8.07
151	STOMACH	0	0	0	0	0	0	1	9	22	22	17	28	28	18	6	4	0	157	2.26
152	SM INTEST	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	4	0.06
153	COLON	0	0	0	2	2	6	12	13	14	17	21	14	10	3	5	1	0	115	1.66
154	RECTUM	0	0	1	1	5	1	12	13	19	16	18	19	17	11	4	8	0	156	2.25
155	LIVER	0	0	1	1	1	1	2	3	4	3	8	3	5	5	0	2	0	39	0.56
156	GALLBLADDER	0	0	0	0	0	0	3	6	9	2	2	4	4	2	1	1	0	34	0.49
157	PANCREAS	0	0	0	0	0	0	1	4	1	3	3	5	2	3	3	0	0	26	0.37
158	RETROPERIT	2	1	0	0	2	3	1	2	3	1	2	2	1	1	0	0	0	21	0.30
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	NASAL CAVIT	1	0	0	1	1	3	7	3	5	11	15	12	8	6	3	1	0	77	1.11
161	LARYNX	0	0	0	0	0	3	8	22	30	46	72	99	75	56	28	18	0	457	6.59
162	LUNG	0	0	0	0	2	0	8	12	35	41	68	81	72	52	36	18	0	425	6.12
163	PLEURA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.01
164	THYMUS	0	0	0	1	2	1	0	0	1	0	1	0	0	0	0	0	0	6	0.09
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BONE	0	9	17	36	20	11	6	3	4	6	0	2	4	1	1	0	0	120	1.73
171	CONNECTIVE	8	11	6	20	10	14	10	12	4	14	10	6	6	6	4	7	0	148	2.13
172	SKIN MEL	0	0	0	0	0	1	1	3	3	0	0	3	1	0	1	0	0	13	0.19
173	SKIN OTH	0	0	0	2	5	1	7	7	9	7	18	14	11	7	7	5	0	100	1.44
175	BREAST MALE	0	0	0	0	0	0	0	1	1	3	2	2	3	0	0	2	0	14	0.20
185	PROSTATE	0	0	0	0	0	0	0	2	6	5	7	10	24	17	19	11	0	91	1.31
186	TESTIS	1	0	0	12	15	37	20	19	6	5	7	2	1	1	0	0	0	126	1.82
187	PENIS ETC	0	0	0	1	1	3	6	16	17	10	15	12	11	7	5	5	0	109	1.57
188	URI BLADDER	0	0	1	0	0	0	0	5	7	12	12	25	18	13	7	5	0	105	1.51
189	KIDNEY	7	2	0	0	0	0	2	4	1	4	3	5	4	6	0	0	0	38	0.55
190	EYE	24	1	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	29	0.42
191	BRAIN	5	6	8	8	4	6	7	7	5	3	5	2	2	0	0	0	0	68	0.98
192	NERV SYST	0	1	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	6	0.09
193	THYR GLAND	0	0	2	0	3	7	8	3	8	7	10	8	6	7	0	0	0	69	0.99
194	OTH ENDO GL	2	2	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	8	0.12
195	ILLDEF SITE	5	1	1	2	0	1	0	2	0	0	0	0	0	0	0	0	0	10	0.14
196	SEC LY NODE	0	0	1	2	7	6	4	11	14	27	40	32	37	23	16	13	0	232	3.34
197	SEC RES ETC	1	0	0	1	5	5	2	9	14	13	33	27	14	11	9	8	1	153	2.20
198	SEC OTH	4	3	1	2	1	3	2	5	5	6	6	13	9	6	5	2	0	76	1.10
199	PRIM UNK	1	0	0	1	0	2	0	2	2	4	6	3	3	1	0	0	0	25	0.36
200	LYMPHOSA	4	5	7	20	19	11	11	19	18	29	23	16	18	8	7	5	1	229	3.30
201	HODGK DIS	2	22	21	20	13	17	16	15	7	9	6	10	8	1	1	0	0	160	2.31
202	OTH LYMPHOM	1	1	3	2	6	3	7	7	5	6	7	7	7	6	2	2	0	75	1.08
203	MULT MYELOM	42	0	0	0	0	1	1	4	3	8	7	7	8	5	4	0	0	48	0.69
204	LEUK LYMPH	42	0	30	43	16	9	6	6	7	7	5	9	9	4	3	3	0	241	3.47
205	LEUK MYEL	5	13	16	14	26	27	21	29	30	21	14	5	4	3	2	4	0	234	3.37
206	LEUK MONO	0	1	1	6	0	0	0	1	0	0	1	0	0	0	0	0	0	4	0.06
207	LEUK OTH SP	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	4	0.06
208	LEUK UNSPEC	2	0	1	1	0	0	1	4	0	1	1	3	0	0	1	0	0	15	0.22
TOTAL		118	123	134	202	181	230	251	434	541	745	953	966	884	576	341	255	5	6939	100.00

HOSPITAL CANCER REGISTRY BOMBAY

YEAR : 1986

SEX : FEMALE

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	1	1	4	3	0	3	2	2	0	1	0	17	0.31
141	TONGUE	0	0	0	0	1	2	4	7	19	23	20	20	16	11	12	7	0	142	2.58
142	SALIVARY GL	0	0	3	0	0	2	2	3	3	1	2	0	4	0	0	0	0	20	0.36
143	GUM	0	0	0	0	0	0	1	6	8	14	14	16	11	11	4	1	0	86	1.56
144	FL OF MOUTH	0	0	0	0	0	1	1	1	1	1	3	3	2	1	1	0	0	15	0.27
145	OTHER MOUTH	0	0	0	0	0	5	3	12	20	27	30	27	26	17	9	14	0	190	3.45
146	OROPHARYNX	0	0	0	0	2	1	2	4	4	2	13	4	6	4	3	3	0	48	0.87
147	NASOPHARYNX	0	0	2	3	2	2	3	2	0	1	2	0	1	1	0	0	0	19	0.34
148	HYPOPHARYNX	0	0	0	0	5	2	4	9	14	22	22	17	14	6	1	0	0	116	2.11
149	PHARYNX ETC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
150	ESOPHAGUS	0	0	1	0	2	1	6	21	24	54	40	45	49	32	15	15	0	305	5.54
151	STOMACH	0	0	0	0	1	2	3	6	11	12	6	11	7	6	3	2	0	70	1.27
152	SM INTEST	0	0	0	0	2	1	0	0	1	0	0	0	1	0	0	0	0	5	0.09
153	COLON	0	0	0	0	0	1	5	5	2	6	5	4	4	3	4	1	0	40	0.73
154	RECTUM	0	0	0	1	1	1	5	8	10	13	9	15	11	5	4	6	0	89	1.62
155	LIVER	1	0	0	0	0	1	1	0	1	1	1	1	2	1	0	0	0	10	0.18
156	GALLBLADDER	0	0	0	0	0	0	1	4	7	2	7	2	5	1	0	0	0	29	0.53
157	PANCREAS	0	0	0	0	0	0	0	0	0	2	2	2	2	1	0	1	0	9	0.16
158	RETROPERIT	0	0	1	1	0	2	0	2	2	4	0	0	0	1	0	0	0	13	0.24
159	OTH DIG SYS	0	0	0	0	2	1	1	2	0	0	0	8	5	3	3	2	0	0	0.00
160	NASAL CAVIT	0	0	0	0	0	1	1	2	4	8	6	6	4	5	0	1	0	45	0.82
161	LARYNX	0	0	0	0	0	1	2	5	7	6	9	10	4	5	0	1	0	50	0.91
162	LUNG	0	0	0	0	1	0	3	2	3	9	12	15	5	9	5	3	0	67	1.22
163	PLEURA	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.02
164	THYMUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
165	OTH RES SYS	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	44	0.80
170	BONE	1	4	13	12	5	4	2	2	0	0	0	0	0	0	0	0	0	56	1.02
171	CONNECTIVE	2	2	2	4	4	8	9	4	3	7	3	4	2	2	0	0	0	14	0.25
172	SKIN MEL	0	0	1	1	1	0	0	2	0	0	3	0	3	2	2	0	0	14	0.25
173	SKIN OTH	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	54	0.98
174	BREAST FEM	0	0	0	0	8	33	84	146	205	192	198	108	93	70	46	21	1	1205	21.88
179	UTERUS UNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
180	CERVIX UTER	0	0	0	0	4	46	85	182	255	287	253	204	160	86	47	24	1	1634	29.67
181	PLACENTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
182	BODY UTERUS	0	0	0	1	6	4	7	5	7	12	12	11	10	5	8	2	0	90	1.63
183	OVARY	0	0	5	0	6	6	13	19	17	39	26	16	17	7	7	2	0	186	3.38
184	VAGINA	0	0	2	2	3	2	3	3	3	8	1	8	6	6	2	3	1	51	0.93
188	URI BLADDER	0	0	0	0	0	1	0	0	1	1	1	3	2	1	1	1	0	12	0.22
189	KIDNEY	7	0	0	0	0	1	1	1	2	1	4	1	1	0	0	0	0	18	0.33
190	EYE	9	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	14	0.25
191	BRAIN	3	4	5	5	0	4	3	1	4	2	1	2	0	1	0	0	0	35	0.64
192	NEKV SYST	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	82	0.05
193	THYK GLAND	0	0	2	5	3	10	8	8	9	10	6	8	8	3	2	0	0	2	1.49
194	OTH ENDO GL	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	69	1.25
195	ILLDEF SITE	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	122	2.21
196	SEC LY NODE	0	0	1	1	2	1	1	5	5	13	7	10	8	8	3	4	0	61	1.11
197	SEC RES ETC	0	0	0	1	2	2	7	6	20	12	20	13	12	17	6	4	0	10	0.18
198	SEC OTH	1	1	0	0	2	1	3	5	6	7	6	12	4	3	7	2	1	61	1.11
199	PRIM UNK	0	0	0	0	0	0	1	3	0	2	2	1	0	0	1	0	0	10	0.18
200	LYMPHOSA	1	2	1	2	5	3	8	3	3	11	13	5	9	4	4	3	0	77	1.40
201	HODGK DIS	1	4	5	4	6	3	5	4	2	1	1	0	0	0	0	0	1	37	0.67
202	OTH LYMPHOM	1	0	0	3	0	0	1	1	2	0	2	2	3	1	2	1	1	20	0.36
203	MULT MYELOM	0	0	0	0	0	1	0	0	0	4	1	4	4	1	2	2	0	19	0.34
204	LEUK LYMPH	18	16	9	10	7	4	5	5	4	3	3	5	2	2	1	1	0	95	1.72
205	LEUK MYEL	2	7	7	3	8	12	8	6	13	13	8	4	8	2	1	1	0	102	1.85
206	LEUK MONO	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.02
207	LEUK OTH SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208	LEUK UNSPEC	0	0	1	0	0	1	1	0	0	0	0	1	0	0	1	0	0	5	0.09
TOTAL		51	43	60	66	92	177	306	515	710	843	778	632	537	344	216	132	6	5508	100.00

HOSPITAL CANCER REGISTRY BOMBAY
DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

SEX : MALE

YEAR : 1986

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
140.1	VERMIL LOW LIP	0	0	0	0	0	0	2	1	4	0	1	0	4	3	3	3	0	0
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	1	0	5
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	0	3	5	9	25	58	70	66	67	54	23	20	608
141.1	DORSUM TONGUE	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	1	2	400
141.2	BORDER & TIP	0	0	0	0	1	2	12	9	17	28	26	19	16	13	6	2	0	7
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	151
141.4	ANT 2/3RD TONG	0	0	0	0	1	0	0	0	3	6	7	7	8	0	0	1	0	40
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	1	1	3	2	2	0	0	0	0	9
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	1	2	3	3	3	4	5	7	3	0	3	0	179
143.1	LOWER GUM	0	0	0	1	1	2	3	15	11	19	24	30	17	10	6	6	0	34
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	5	12	7	4	4	2	0	0
144.9	FL MOUTH NOS	0	0	0	0	1	1	1	2	3	7	7	12	7	4	4	2	0	48
145	MOUTH OTHER																		
145.0	BUCCAL MUCOSA	1	0	0	0	4	4	14	27	39	55	53	45	36	18	12	8	0	456
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	316
145.2	HARD PALATE	0	0	0	0	0	0	0	1	2	0	5	7	3	4	1	3	0	4
145.3	SOFT PALATE	0	0	0	0	0	0	0	2	2	7	16	10	11	4	1	2	0	26
145.4	UVULA	0	0	0	0	0	0	0	0	2	0	0	2	3	0	0	1	0	55
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
145.6	RETROMOL AREA	0	0	0	0	0	0	2	2	7	8	7	3	3	5	4	5	0	1
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

ICL9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	1	6	8	20	29	40	35	38	21	13	6	0	327
146.1	TONS FOSSA	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	217
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
146.3	VALLECULA	0	0	0	0	0	0	0	0	1	3	4	7	5	3	2	1	0	26
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	3
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	0	4
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	3
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	0	0	6	6	8	16	15	10	6	3	3	0	73
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	0	4	5	7	0	5	6	5	3	3	4	1	0	580
148.1	PYRIF SINUS	0	0	0	0	1	4	3	19	35	55	92	100	97	46	29	29	0	43
148.2	ARYEPICL FOLD	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	510
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	1	0	1	0	1	0	3	2	5	0	5	3	2	1	0	24
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	3
149.1	WALD RING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	1	0	3	0	2	2	3	1	0	0	560
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	1	4	10	4	16	18	10	6	3	0	72
150.4	MID 3RD OESOPH	0	0	0	1	0	1	0	9	23	31	54	56	53	45	21	10	0	304
150.5	LOW 3RD OESOPH	0	0	0	0	0	1	2	8	10	19	28	21	24	22	9	12	0	156
150.8	OESOPH OTHER	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	3
150.9	OESOPH NOS	0	0	0	0	0	0	0	0	1	3	3	2	1	2	0	1	0	13
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	1	3	9	8	9	17	25	26	17	8	4	0	457
161.1	SUPRA GLOTTIS	0	0	0	0	0	2	5	12	21	37	53	73	47	36	19	13	0	127
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	1	0	1	1	1	3	0	1	0	318
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	4

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

HOSPITAL CANCER REGISTRY BOMBAY
SEX : FEMALE
DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		17
140.0	VERMIL UPP LIP	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	3
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	1	3	3	0	2	2	1	0	0	0	12
140.3	MUCOSA UPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	COMMISSURE LIP	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	2
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		142
141.0	BASE TONGUE	0	0	0	0	0	0	1	1	4	6	3	6	2	4	7	2	0	36
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.2	BORDER & TIP	0	0	0	0	0	1	2	4	11	13	15	7	13	5	4	4	0	79
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.4	ANT 2/3RD TONG	0	0	0	0	1	1	1	2	4	3	2	7	1	2	1	1	0	26
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
143	GUM																		86
143.0	UPPER GUM	0	0	0	0	0	0	0	2	0	4	3	4	1	3	2	0	0	19
143.1	LOWER GUM	0	0	0	0	0	0	1	4	8	10	11	12	8	8	2	1	0	65
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
144	FLOOR MOUTH																		15
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	1	1	1	1	1	3	3	2	1	1	0	0	15
145	MOUTH OTHER																		190
145.0	BUCCAL MUCOSA	0	0	0	0	0	3	2	8	17	23	26	23	16	12	8	11	0	149
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
145.2	HARD PALATE	0	0	0	0	0	2	1	1	1	0	0	2	2	1	0	1	0	11
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	2	1	2	5	1	1	0	0	12
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
145.6	RETROMOL AREA	0	0	0	0	0	0	0	3	2	1	3	0	3	2	0	2	0	16
145.8	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

YEAR : 1986

SEX : FEMALE

HOSPITAL CANCER REGISTRY MADRAS

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICROSCOPIC		RADIOLOGIC		CLINICAL ONLY		OTHERS		TOTALS	
		n	%	n	%	n	%	n	%	n	%
140	LIP	9	69.2	0	0.0	4	30.8	0	0.0	13	100.0
141	TONGUE	30	66.7	0	0.0	15	33.3	0	0.0	45	100.0
142	SALIVARY GLANDS	3	60.0	0	0.0	2	40.0	0	0.0	5	100.0
143	GUM	45	71.4	0	0.0	18	28.6	0	0.0	63	100.0
144	FL OF MOUTH	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
145	OTHER MOUTH	74	51.4	0	0.0	70	48.6	0	0.0	144	100.0
146	OROPHARYNX	9	81.8	0	0.0	2	18.2	0	0.0	11	100.0
147	NASOPHARYNX	6	85.7	0	0.0	1	14.3	0	0.0	7	100.0
148	HYPOPHARYNX	38	69.1	0	0.0	14	25.5	3	5.5	55	100.0
149	PHARYNX ETC	0	0.0	0	0.0	2	100.0	0	0.0	2	100.0
150	ESOPHAGUS	55	75.3	12	16.4	2	2.7	4	5.5	73	100.0
151	STOMACH	35	62.5	6	10.7	12	21.4	3	5.4	56	100.0
152	SM INTEST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
153	COLON	6	40.0	5	33.3	4	26.7	0	0.0	15	100.0
154	RECTUM	32	84.2	0	0.0	6	15.8	0	0.0	38	100.0
155	LIVER	4	80.0	0	0.0	0	0.0	1	20.0	5	100.0
156	GALLBLADDER	1	33.3	1	33.3	1	33.3	0	0.0	3	100.0
157	PANCREAS	1	33.3	1	33.3	1	33.3	0	0.0	3	100.0
158	RETROPERIT	2	66.7	1	33.3	0	0.0	0	0.0	3	100.0
159	OTH DIG SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
160	NASAL CAVITY	11	84.6	1	7.7	1	7.7	0	0.0	13	100.0
161	LARYNX	6	75.0	0	0.0	2	25.0	0	0.0	8	100.0
162	LONG	13	81.3	2	12.5	1	6.3	0	0.0	16	100.0
163	PLEURA	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
164	THYMUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
165	OTH RES SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	BONE	16	100.0	0	0.0	0	0.0	0	0.0	16	100.0
171	CONNECTIVE TISS	13	100.0	0	0.0	0	0.0	0	0.0	13	100.0
172	SKIN MEL	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
173	SKIN OTH	19	95.0	0	0.0	1	5.0	0	0.0	20	100.0
174	BREAST FEM	251	80.2	0	0.0	62	19.8	0	0.0	313	100.0
179	UTERUS UNSP	6	85.7	0	0.0	1	14.3	0	0.0	7	100.0
180	CERVIX UTERI	742	65.8	0	0.0	386	34.2	0	0.0	1128	100.0
181	PLACENTA	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
182	BODY UTERUS	16	88.9	0	0.0	2	11.1	0	0.0	18	100.0
183	OVARY	50	89.3	1	1.8	5	8.9	0	0.0	56	100.0
184	VAGINA	37	63.8	0	0.0	21	36.2	0	0.0	58	100.0
188	URI BLADDER	8	88.9	0	0.0	1	11.1	0	0.0	9	100.0
189	KIDNEY	2	66.7	0	0.0	1	33.3	0	0.0	3	100.0
190	EYE	6	100.0	0	0.0	0	0.0	0	0.0	6	100.0
191	BRAIN	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
192	NEKV SYST	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
193	THYK GLAND	29	90.6	1	3.1	2	6.3	0	0.0	32	100.0
194	OTH ENDO GLDS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
195	ILDEF SITE	1	16.7	0	0.0	0	0.0	0	0.0	1	100.0
196	SEC LY NODE	11	78.6	0	0.0	3	21.4	0	0.0	14	100.0
197	SEC RES ETC	4	33.3	6	50.0	2	16.7	0	0.0	12	100.0
198	SEC OTH	3	75.0	1	25.0	0	0.0	0	0.0	4	100.0
199	PRIM UNK	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
200	LYMPHOMA	7	100.0	0	0.0	0	0.0	0	0.0	7	100.0
201	HODGK DIS	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
202	OTH LYMPHOMA	20	100.0	0	0.0	0	0.0	0	0.0	20	100.0
203	MULT MYELOMA	5	100.0	0	0.0	0	0.0	0	0.0	5	100.0
204	LEUK LYMPH	16	100.0	0	0.0	0	0.0	0	0.0	16	100.0
205	LEUK MYEL	44	97.8	0	0.0	1	2.2	0	0.0	45	100.0
206	LEUK MONO	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
207	LEUK OTH SPE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
208	LEUK UNSPEC	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
ALL SITES TOTALS		1708	70.9	38	1.6	651	27.0	11	0.5	2408	100.0

HOSPITAL CANCER REGISTRY MADRAS

YEAR : 1986

SEX : MALE

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

ICD-9	SITE	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+	ANS	TOTAL	%
140	LIP	0	0	0	0	0	0	0	0	0	3	2	2	1	1	2	0	12	0.59	
141	TONGUE	0	0	0	0	0	3	2	8	9	28	30	27	26	22	10	5	0	170	8.31
142	SALIVARY GL	0	0	0	0	0	0	0	0	1	3	2	1	1	0	3	0	0	11	0.54
143	GUM	0	0	0	1	0	0	1	2	2	7	8	10	5	4	6	7	0	53	2.59
144	FL OF MOUTH	0	0	0	0	0	1	0	2	1	8	3	3	3	4	2	0	0	27	1.32
145	OTHER MOUTH	0	0	0	0	0	2	6	11	7	20	26	27	35	18	9	10	0	171	8.36
146	OROPHARYNX	0	0	0	0	1	0	3	4	9	16	12	11	13	11	6	5	0	91	4.45
147	NASOPHARYNX	0	0	0	2	2	1	0	2	3	0	2	1	5	0	0	0	0	18	0.88
148	HYPOPHARYNX	0	0	0	0	1	3	7	8	18	22	35	29	21	15	11	9	0	179	8.75
149	PHARYNX ETC	0	0	0	0	1	1	1	1	0	4	4	4	4	2	1	0	0	22	1.08
150	OESOPHAGUS	0	0	0	0	1	4	2	6	15	27	32	35	34	24	12	11	0	203	9.92
151	STOMACH	0	0	0	0	1	1	7	11	10	19	19	26	23	11	8	7	0	143	6.99
152	SM INTEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
153	COLON	0	0	0	0	1	0	1	4	2	3	2	2	2	1	2	1	0	21	1.03
154	RECTUM	0	0	0	0	0	2	1	2	2	7	5	1	8	2	4	1	0	35	1.71
155	LIVER	0	0	0	0	0	0	1	5	3	3	5	2	3	1	1	0	0	24	1.17
156	GALLBLADDER	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	0.10	
157	PANCREAS	0	0	0	0	0	0	2	1	1	1	1	1	0	1	0	0	0	8	0.39
158	RETROPERIT	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0.10
159	OTH DIG SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	NASAL CAVIT	0	0	0	3	0	0	3	2	3	3	1	4	3	2	1	2	0	27	1.32
161	LARYNX	0	0	0	1	0	0	1	0	3	10	17	12	17	9	12	4	0	86	4.20
162	LUNG	0	0	0	0	0	0	5	4	10	18	19	22	17	9	15	4	0	123	6.01
163	PLEURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
164	THYMUS	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0.05
165	OTH RES SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	BONE	0	1	5	8	7	3	0	2	0	1	0	1	1	0	0	0	0	29	1.42
171	CONNECTIVE	0	1	1	1	3	4	1	1	3	2	2	1	2	1	3	0	0	23	1.12
172	SKIN MEL	0	0	0	0	0	0	1	3	2	2	3	2	3	0	0	1	0	17	0.83
173	SKIN OTH	0	0	0	1	0	3	2	2	4	3	5	3	7	5	3	4	0	42	2.05
175	BREAST MALE	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1	1	0	6	0.29
185	PROSTATE	0	0	0	0	0	0	0	0	0	0	1	5	4	6	5	2	0	25	1.22
186	TESTIS	2	0	0	0	3	6	5	9	3	0	1	0	1	0	0	1	0	31	1.52
187	PENIS ETC	1	0	0	0	0	0	3	5	7	8	15	5	4	5	1	3	0	57	2.79
188	URI BLADDER	0	0	0	1	0	0	0	0	2	3	0	6	5	3	2	2	0	24	1.17
189	KIDNEY	0	2	1	0	0	0	0	1	1	1	1	0	2	1	0	0	0	11	0.54
190	EYE	16	0	0	1	0	0	0	1	1	1	1	0	0	0	1	1	0	23	1.12
191	BRAIN	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0.10
192	NEVR SYST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
193	THYR GLAND	0	0	0	0	0	6	4	2	1	1	4	1	1	3	1	2	0	26	1.27
194	OTH ENDO GL	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.10
195	ILDEF SITE	0	0	0	0	1	1	0	0	1	0	2	1	1	0	0	0	0	7	0.34
196	SEC LY NODE	0	1	0	0	1	0	1	5	4	7	14	9	12	3	4	4	0	65	3.18
197	SEC RES ETC	0	0	0	0	0	0	1	1	4	3	6	4	2	4	1	0	0	26	1.27
198	SEC OTH	0	0	0	0	1	1	1	2	0	4	1	1	2	0	1	1	0	15	0.73
199	PRIM UNK	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0.10
200	LYMPHOSA	0	1	0	1	3	3	2	1	1	1	1	1	1	2	0	1	0	19	0.93
201	HODGK DIS	0	4	4	2	2	4	3	2	0	2	3	0	0	0	0	0	0	26	1.27
202	OTH LYMPHOM	0	2	2	7	5	2	2	1	5	2	5	2	7	4	0	1	0	47	2.30
203	MULT MYELOM	0	0	0	0	0	0	0	0	0	0	2	2	1	1	0	0	0	6	0.29
204	LEUK LYMPH	10	12	4	5	1	2	0	0	0	1	0	1	3	1	2	0	0	42	2.05
205	LEUK MYEL	2	1	0	4	5	4	8	4	1	2	3	2	1	1	0	0	0	38	1.86
206	LEUK MONO	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.05
207	LEUK OTH SP	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.05
208	LEUK UNSPEC	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	4	0.20
TOTAL		34	26	19	39	42	57	79	117	142	246	295	270	282	177	129	92	0	2046	100.00

YEAR : 1986

HOSPITAL CANCER REGISTRY MADRAS

NUMBER OF INCIDENT CASES OF CANCER BY AGE AND SITE , AND PERCENTAGES

[illegible]

HOSPITAL CANCER REGISTRY MADRAS

SEX : MALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OKOPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL OPP LIP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	12
140.1	VERMIL LOW LIP	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	1
140.3	MUCOSA OPP LIP	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
140.4	MUCOSA LOW LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
140.5	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	MUCOSA LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.8	COMMISSURE LIP	0	0	0	0	0	0	0	0	0	0	2	2	0	1	1	0	0	6
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	1	0	0	3	5	16	21	13	15	14	5	4	170
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	1	1	0	0	1	1	2	1	0	0	97
141.2	BORDER & TIP	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	6
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
141.4	ANT 2/3RD TONG	0	0	0	0	0	1	1	1	3	10	8	9	7	6	4	1	0	51
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE OTHER	0	0	0	0	0	1	1	2	0	2	0	1	1	1	0	0	0	8
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	4
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	1	2	53
143.1	LOWER GUM	0	0	0	1	0	0	1	2	2	6	6	8	4	4	5	5	0	9
143.8	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.8	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
144.9	FL MOUTH NOS	0	0	0	0	0	1	0	2	1	8	3	3	3	3	2	0	0	26
145	MOUTH OTHER																		
145.0	BUCAL MUCOSA	0	0	0	0	0	0	3	10	5	13	11	16	21	10	4	4	0	171
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	97
145.2	HARD PALATE	0	0	0	0	0	0	2	0	0	0	2	2	1	2	1	0	0	3
145.3	SOFT PALATE	0	0	0	0	0	1	1	0	0	0	3	3	5	1	1	1	0	11
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	4	9	5	5	3	2	3	0	5
145.8	MOUTH OTHER	0	0	0	0	0	0	0	1	2	4	9	5	5	3	2	0	0	35
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY MADKAS

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF LIP, ORAL CAVITY & STRUCTURES RELATED TO OROPHARYNX *

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
140	LIP																		
140.0	VERMIL UP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	13
140.1	VERMIL LOW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
140.2	MUCOSA UP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
140.3	MUCOSA UP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
140.4	MUCOSA LOW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.5	MUCOSA LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.6	MUCOSA LIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.7	COMMISSURE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
140.8	LIP OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140.9	LIP NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	TONGUE																		
141.0	BASE TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
141.1	DORSUM TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
141.2	BORDER & TIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
141.3	VENTR TONGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
141.4	ANT 2/3RD TONG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.5	JUNCT ZONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
141.6	LING TONSIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.7	TONGUE OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.8	TONGUE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
141.9	TONGUE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	GUM																		
143.0	UPPER GUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
143.1	LOWER GUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
143.2	GUM OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
143.9	GUM NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	FLOOR MOUTH																		
144.0	ANT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
144.1	LAT FL MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.2	FL MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144.9	FL MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
145	MOUTH OTHER																		
145.0	BUCCAL MUCOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
145.1	VESTIB MOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
145.2	HARD PALATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
145.3	SOFT PALATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
145.4	UVULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
145.5	PALATE NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.6	RETROMOL AREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
145.7	MOUTH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
145.8	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145.9	MOUTH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY MADRAS

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX, OESOPHAGUS AND LARYNX

ICD9 4TH DIGIT	SITE	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+	ANS	TOTAL
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	11
146.1	TONS FOSSA	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	0	3
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
146.3	VALLECULA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL OKO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL OKO	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0
146.8	OKO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	OKO NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	0	2	4	2	2	5	2	5	2	0	0	1	0	55
148.1	PYRIF SINUS	0	0	0	0	1	1	1	2	1	4	1	4	0	0	0	0	0	25
148.2	ARYEPIGL FOLD	0	0	0	0	1	0	0	1	2	0	1	0	0	0	0	0	0	12
148.3	POST WALL	0	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	5
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
148.9	HYPOPH NOS	0	0	0	1	1	0	0	0	0	2	1	0	3	0	0	0	1	8
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
149.1	WALD KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	OESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	1	0	1	2	1	0	0	0	0	73
150.1	THORACIC OES	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	5
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	4
150.4	MID 3RD OESOPH	0	0	0	0	0	0	0	0	0	3	3	3	3	4	0	0	0	27
150.5	LOW 3RD OESOPH	0	0	0	0	1	0	0	1	2	3	5	3	6	5	3	2	0	31
150.8	OESOPH OTHER	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
150.9	OESOPH NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
161	LARYNX																		
161.0	GLOTTIS	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	8
161.1	SUPRA GLOTTIS	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	3
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

HOSPITAL CANCER REGISTRY MADRAS
EXTENT OF DISEASE GROUPS* EXCLUDING PATIENTS NOT EVALUATED FOR CANCER SPREAD (OTHER GROUP)**

ICD9	SITE	Males			Females			Males			Females		
		LOC	REG	DIS	LOC	REG	DIS	OTHER	TOTAL	OTHER	TOTAL	OTHER	TOTAL
		%	%	%	%	%	%	n	%	n	%	n	%
140	LIP	18.2	81.8	0.0	100.0	11	13	1	8.3	12	0	0.0	13
141	TONGUE	5.9	90.8	3.3	100.0	153	43	17	10.0	170	2	4.4	45
142	SALIVARY GLANDS	0.0	70.0	30.0	100.0	10	5	1	9.1	11	0	0.0	5
143	GUM	7.7	86.5	5.8	100.0	52	56	1	1.9	53	7	11.1	63
144	FL OF MOUTH	3.8	96.2	0.0	100.0	26	3	1	3.7	27	0	0.0	3
145	OTHER MOUTH	9.4	87.2	3.4	100.0	149	122	22	12.9	171	22	15.3	144
146	OROPHARYNX	5.9	92.9	1.2	100.0	85	11	6	6.6	91	0	0.0	11
147	NASOPHARYNX	0.0	100.0	0.0	100.0	15	7	3	16.7	18	0	0.0	7
148	HYPOPHARYNX	4.3	89.5	6.2	100.0	162	46	17	9.5	179	9	16.4	55
149	PHARYNX ETC	4.8	85.7	9.5	100.0	21	2	1	4.5	22	0	0.0	2
150	ESOPHAGUS	12.8	69.7	17.6	100.0	188	72	15	7.4	203	1	1.4	73
151	STOMACH	6.6	43.4	50.0	100.0	106	47	37	25.9	143	9	16.1	56
152	SM INTEST	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0
153	COLON	5.9	64.7	29.4	100.0	17	10	4	19.0	21	5	33.3	15
154	RECTUM	16.1	61.3	22.6	100.0	31	35	4	11.4	35	3	7.9	38
155	LIVER	14.3	61.9	23.8	100.0	21	5	3	12.5	24	0	0.0	5
156	GALLBLADDER	0.0	0.0	100.0	100.0	1	0	1	50.0	2	3	100.0	3
157	PANCREAS	0.0	50.0	50.0	100.0	4	2	4	50.0	8	1	33.3	3
158	RETROPERIT	0.0	0.0	100.0	100.0	1	2	1	50.0	2	1	33.3	3
159	OTH DIG SYST	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0
160	NASAL CAVITY	4.5	81.8	13.6	100.0	22	8	5	18.5	27	5	38.5	13
161	LARYNX	12.7	86.1	1.3	100.0	79	15	7	8.1	86	1	6.3	16
162	LUNG	8.8	42.1	49.1	100.0	114	8	0	0.0	0	0	0.0	0
163	PLEURA	0.0	0.0	0.0	0.0	0	1	1	100.0	1	0	0.0	1
164	THYMUS	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0
165	OTH RES SYST	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0
170	BONE	29.2	70.8	0.0	100.0	24	16	5	17.2	29	0	0.0	16
171	CONNECTIVE TISS	33.3	46.7	20.0	100.0	15	6	8	34.8	23	7	53.8	13
172	SKIN MEL	9.1	36.4	54.5	100.0	11	4	6	35.3	17	2	33.3	6
173	SKIN OTH	10.0	86.7	3.3	100.0	30	17	12	28.6	42	3	15.0	20
174	BREAST FEM	—	—	—	—	—	225	—	—	—	—	—	313
175	BREAST MALE	0.0	100.0	0.0	100.0	3	2	3	50.0	6	0	0.0	7
179	UTERUS UNSP	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0
180	CERVIX UTERI	—	—	—	—	—	1069	—	—	—	—	—	1128
181	PLACENTA	—	—	—	—	—	2	—	—	—	—	—	3
182	BODY UTERUS	—	—	—	—	—	13	—	—	—	—	—	18
183	OVARY	—	—	—	—	—	29	—	—	—	—	—	56
184	VAGINA	—	—	—	—	—	57	—	—	—	—	—	58
185	PROSTATE	0.0	62.5	37.5	100.0	16	—	9	36.0	25	—	—	—
186	TESTIS	0.0	11.1	88.9	100.0	9	—	22	71.0	31	—	—	—
187	PENIS ETC	10.9	84.8	4.3	100.0	46	—	11	19.3	57	—	—	—
188	URI BLADDER	16.7	75.0	8.3	100.0	12	9	12	50.0	24	0	0.0	9
189	KIDNEY	0.0	50.0	50.0	100.0	6	0	5	45.5	11	3	100.0	3
190	EYE	18.2	72.7	9.1	100.0	11	0	12	52.2	23	6	100.0	6
191	BRAIN	0.0	100.0	0.0	100.0	1	0	1	50.0	2	0	0.0	0
192	NEKV SYST	0.0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0
193	THYR GLAND	14.3	71.4	14.3	100.0	21	15	5	19.2	26	7	53.1	32
194	OTH ENDO GLDS	0.0	100.0	0.0	100.0	1	2	1	50.0	2	0	0.0	2
195	ILLDEF SITE	16.7	16.7	66.7	100.0	6	6	53	81.5	65	12	85.7	14
196	SEC LY NODE	0.0	0.0	100.0	100.0	12	2	1	3.8	26	0	0.0	12
197	SEC RES ETC	0.0	0.0	100.0	100.0	25	4	1	6.7	15	0	0.0	4
198	SEC OTH	0.0	0.0	100.0	100.0	14	0	0	0.0	2	1	100.0	1
199	PKIM UNK	0.0	0.0	100.0	100.0	2	0	19	100.0	19	7	100.0	7
200	LYMPHOMA	0.0	0.0	0.0	0.0	0	0	26	100.0	26	3	100.0	3
201	HODGK DIS	0.0	0.0	0.0	0.0	0	0	47	100.0	47	20	100.0	20
202	OTH LYMPHOMA	0.0	0.0	0.0	0.0	0	0	6	100.0	6	5	100.0	5
203	MULT MYELOMA	0.0	0.0	0.0	0.0	0	0	42	100.0	42	16	100.0	16
204	LEUK LYMPH	0.0	0.0	0.0	0.0	0	0	38	100.0	38	45	100.0	45
205	LEUK MYEL	0.0	0.0	0.0	0.0	0	0	1	100.0	1	0	0.0	0
206	LEUK MONO	0.0	0.0	0.0	0.0	0	0	1	100.0	1	0	0.0	0
207	LEUK OTH SPE	0.0	0.0	0.0	0.0	0	0	4	100.0	4	3	100.0	3
208	LEUK UNSPEC	0.0	0.0	0.0	0.0	0	0	—	—	—	—	—	—
%		8.7	72.6	18.7	100.0	1533	9.2	513	25.1	2046	405	16.8	2408

* EXTENT OF DISEASE GROUPS: LOC=Localized; REG=Directly extended, regional lymph nodes (rln) involved, directly extended with rln involved; DIS=Distant metastasis, too advanced

** OTHER GROUP: Not palpable; not applicable, eg haematological cancers; treated elsewhere; recurrent; or unknown

YEAR : 1986

SEX : MALE

HOSPITAL CANCER REGISTRY MADRAS

METHODS OF DIAGNOSIS OF CANCER BY SITE- NUMBERS AND PROPORTIONS

ICD 9TH	SITE	MICROSCOPIC	RADIOLOGIC	CLINICAL ONLY	OTHERS	TOTALS
		n %	n %	n %	n %	n %
140	LIP	8 66.7	0 0.0	4 33.3	0 0.0	12 100.0
141	TONGUE	110 64.7	0 0.0	60 35.3	0 0.0	170 100.0
142	SALIVARY GLANDS	9 81.8	0 0.0	2 18.2	0 0.0	11 100.0
143	GUM	36 67.9	0 0.0	17 32.1	0 0.0	53 100.0
144	FL OF MOUTH	23 85.2	0 0.0	4 14.8	0 0.0	27 100.0
145	OTHER MOUTH	92 53.8	0 0.0	79 46.2	0 0.0	171 100.0
146	OROPHARYNX	59 64.8	0 0.0	32 35.2	0 0.0	91 100.0
147	NASOPHARYNX	14 77.8	0 0.0	4 22.2	0 0.0	18 100.0
148	HYPOPHARYNX	127 70.9	0 0.0	49 27.4	3 1.7	179 100.0
149	PHARYNX ETC	11 50.0	0 0.0	10 45.5	1 4.5	22 100.0
150	OESOPHAGUS	150 73.9	36 17.7	5 2.5	12 5.9	203 100.0
151	STOMACH	77 53.8	20 14.0	38 26.6	8 5.6	143 100.0
152	SM INTEST	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
153	COLON	19 90.5	1 4.8	1 4.8	0 0.0	21 100.0
154	RECTUM	29 82.9	1 2.9	5 14.3	0 0.0	35 100.0
155	LIVER	18 75.0	0 0.0	6 25.0	0 0.0	24 100.0
156	GALLBLADDER	1 50.0	0 0.0	1 50.0	0 0.0	2 100.0
157	PANCREAS	1 12.5	2 25.0	5 62.5	0 0.0	8 100.0
158	RETROPERIT	2 100.0	0 0.0	0 0.0	0 0.0	2 100.0
159	OTH DIG SYST	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
160	NASAL CAVITY	16 59.3	3 11.1	6 22.2	2 7.4	27 100.0
161	LARYNX	70 81.4	0 0.0	14 16.3	2 2.3	86 100.0
162	LUNG	86 69.9	32 26.0	3 2.4	2 1.6	123 100.0
163	PLEURA	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
164	THYMUS	0 0.0	1 100.0	0 0.0	0 0.0	1 100.0
165	OTH RES SYST	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
170	BONE	26 89.7	2 6.9	1 3.4	0 0.0	29 100.0
171	CONNECTIVE TISS	22 95.7	0 0.0	1 4.3	0 0.0	23 100.0
172	SKIN MEL	15 88.2	0 0.0	2 11.8	0 0.0	17 100.0
173	SKIN OTH	39 92.9	0 0.0	3 7.1	0 0.0	42 100.0
175	BREAST MALE	5 83.3	0 0.0	1 16.7	0 0.0	6 100.0
185	PROSTATE	21 84.0	0 0.0	4 16.0	0 0.0	25 100.0
186	TESTIS	29 93.5	0 0.0	2 6.5	0 0.0	31 100.0
187	PENIS ETC	36 63.2	0 0.0	21 36.8	0 0.0	57 100.0
188	URI BLADDER	19 79.2	2 8.3	2 8.3	1 4.2	24 100.0
189	KIDNEY	9 81.8	1 9.1	0 0.0	1 9.1	11 100.0
190	EYE	19 82.6	1 4.3	3 13.0	0 0.0	23 100.0
191	BRAIN	2 100.0	0 0.0	0 0.0	0 0.0	2 100.0
192	NEKV SYST	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
193	THYK GLAND	22 84.6	0 0.0	4 15.4	0 0.0	26 100.0
194	OTH ENDO GLDS	1 50.0	1 50.0	0 0.0	0 0.0	2 100.0
195	ILLDEF SITE	5 71.4	0 0.0	2 28.6	0 0.0	7 100.0
196	SEC LY NODE	48 73.8	0 0.0	17 26.2	0 0.0	65 100.0
197	SEC RES ETC	8 30.8	9 34.6	9 34.6	0 0.0	26 100.0
198	SEC OTH	11 73.3	4 26.7	0 0.0	0 0.0	15 100.0
199	PRIM UNK	0 0.0	0 0.0	2 100.0	0 0.0	2 100.0
200	LYMPHOMA	19 100.0	0 0.0	0 0.0	0 0.0	19 100.0
201	HODGK DIS	26 100.0	0 0.0	0 0.0	0 0.0	26 100.0
202	OTH LYMPHOMA	46 97.9	0 0.0	1 2.1	0 0.0	47 100.0
203	MULT MYELOMA	5 83.3	1 16.7	0 0.0	0 0.0	6 100.0
204	LEUK LYMPH	42 100.0	0 0.0	0 0.0	0 0.0	42 100.0
205	LEUK MYEL	38 100.0	0 0.0	0 0.0	0 0.0	38 100.0
206	LEUK MONO	1 100.0	0 0.0	0 0.0	0 0.0	1 100.0
207	LEUK OTH SPE	1 100.0	0 0.0	0 0.0	0 0.0	1 100.0
208	LEUK UNSPEC	4 100.0	0 0.0	0 0.0	0 0.0	4 100.0
ALL SITES TOTALS		1477 72.2	117 5.7	420 20.5	32 1.6	2046 100.0

HOSPITAL CANCER REGISTRY : MADRAS

The hospital tumour registry of the Cancer Institute has been in existence since the inception of the hospital in 1955. Since January 1, 1984 the hospital cancer registry is part of the National Cancer Registry Project (ICMR) network of registries.

The Institute is a 405 bed comprehensive cancer centre. The clinical research facilities comprise the divisions of surgical, radiation, medical oncology and tumour epidemiology. . A micro computer DCM-Tandy TRS 80 Model 4 is used for quality checking and analysis of hospital cancer registry data. Social investigators abstract data from patient records. These are verified by a medical officer, then coded, checked for duplicates, computerised, and sent to the Technical Wing for further processing and tabulation.

Cancer patients registered have the following regional distribution : Tamil Nadu 53%, Andhra Pradesh 37%, and 10% from other parts of India and from neighbouring countries. Major language groups of patients include Tamil, Telugu and Malayalam; major religious groups represented are Hindu, Christian and Muslim.

COMMENTS : The total of 4454 cases registered in 1986 consisted of 2046 males and 2408 females. Comparatively, 4344 cases (males - 1985, females - 2359) were registered in 1985; and in 1984, 3973 cases (males - 1807, females - 2166). Females have consistently outnumbered males by a small margin since 1984. The male to female ratio in 1986 was 0.9.

The leading cancers in males in 1986, [when oral cavity and pharynx were defined according to UICC criteria] were pharynx (19.9%), oral cavity and lip (15.5%), followed by esophagus (9.9%), stomach (7.0%) and lung (6.0%). The most frequent cancers in 1986 in females, using the same criteria, were cervix, (46.8%), followed by breast (13.0%), oral cavity and lip (10.7%).

After excluding the 25% males and 17% of female patients who could not be assessed for cancer spread, among the assessable patients, 9% of male and 7% of female cancers were localised; 73% and 84% were regionally spread respectively in males and females; and the rest were advanced/disseminated at first diagnosis. Cancer directed treatment was taken by 61% of the male patients with localised cancers and 73% of the female; 59% of those with regionally spread disease in both gender groups; and nearly 40% of those with advanced cancers.

SENIOR STAFF AS OF DECEMBER, 1988

Dr. V. Shanta, Project Chief

Dr. C. K. Gajalakshmi, Officer-in-Charge

HOSPITAL CANCER REGISTRY BOMBAY
EXTENT OF DISEASE GROUPS

YEAR : 1986

SPREAD (OTHER GROUP)**

ICD9	SITE	Males				Females				Males				Females			
		LOC	REG	DIS	TOTAL-n	LOC	REG	DIS	TOTAL-n	OTHER	%	TOTAL	%	OTHER	%	TOTAL	%
140	LIP	52.2	39.1	8.7	100.0	23	63.6	36.4	0.0	100.0	11	7	23.3	30	6	35.3	17
141	TONGUE	19.0	78.2	2.9	100.0	490	31.9	63.7	4.4	100.0	113	118	19.4	608	29	20.4	142
142	SALIVARY GLANDS	66.7	37.3	0.0	100.0	6	33.3	50.0	16.7	100.0	6	12	66.7	18	14	70.0	20
143	GUM	9.7	87.5	2.8	100.0	144	14.7	82.7	2.7	100.0	75	35	19.6	179	11	12.8	86
144	FL OF MOUTH	13.5	75.7	10.8	100.0	37	30.0	70.0	0.0	100.0	10	11	22.9	48	5	33.3	15
145	OTHER MOUTH	27.0	67.8	5.2	100.0	345	20.4	74.8	4.8	100.0	147	111	24.3	456	43	22.6	190
146	OROPHARYNX	12.5	83.6	3.9	100.0	256	9.3	88.4	2.3	100.0	43	71	21.7	327	5	10.4	48
147	NASOPHARYNX	0.0	78.7	21.3	100.0	47	0.0	92.3	7.7	100.0	13	15	24.2	62	6	31.6	19
148	HYPOPHARYNX	6.4	89.3	4.3	100.0	516	14.7	82.4	2.9	100.0	102	64	11.0	580	14	12.1	116
149	PHARYNX ETC	33.3	66.7	0.0	100.0	3	0.0	0.0	0.0	0.0	0	52	9.3	560	13	4.3	305
150	OEESOPHAGUS	68.9	12.6	18.5	100.0	508	72.3	12.0	15.8	100.0	292	37	23.6	157	13	18.6	70
151	STOMACH	40.0	10.0	50.0	100.0	120	42.1	15.8	42.1	100.0	57	72	62.6	115	24	60.0	40
152	SM INTEST	66.7	33.3	0.0	100.0	3	43.8	12.5	43.8	100.0	2	37	23.7	156	28	31.5	89
153	COLON	55.8	14.0	30.2	100.0	43	54.1	24.6	21.3	100.0	16	72	62.6	115	24	60.0	40
154	RECTUM	50.4	25.2	24.4	100.0	119	54.1	24.6	21.3	100.0	61	37	23.7	156	28	31.5	89
155	LIVER	61.1	11.1	27.8	100.0	36	11.1	22.2	66.7	100.0	9	3	7.7	39	1	10.0	10
156	GALLBLADDER	40.0	25.0	35.0	100.0	20	0.0	13.3	86.7	100.0	15	14	41.2	34	14	48.3	29
157	PANCREAS	0.0	26.1	73.9	100.0	23	0.0	66.7	33.3	100.0	6	3	11.5	26	3	33.3	9
158	RETROPERIT	0.0	64.3	35.7	100.0	14	0.0	83.3	16.7	100.0	6	7	33.3	21	7	53.8	13
159	OTH DIG SYST	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
160	NASAL CAVITY	2.1	87.5	10.4	100.0	48	3.2	87.1	9.7	100.0	31	29	37.7	77	14	31.1	45
161	LARYNX	23.7	73.4	2.9	100.0	376	20.9	79.1	0.0	100.0	43	81	17.7	457	7	14.0	50
162	LUNG	14.1	30.5	55.4	100.0	390	13.6	16.9	69.5	100.0	59	35	6.2	425	8	11.9	67
163	PLEURA	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	1	100.0	1	1	100.0	1
164	THYMUS	50.0	50.0	0.0	100.0	2	0.0	0.0	0.0	0.0	0	4	66.7	6	0	0.0	0
165	OTH RES SYST	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
170	BONE	2.2	86.5	11.2	100.0	89	13.9	69.4	16.7	100.0	36	31	25.8	120	8	18.2	44
171	CONNECTIVE TISS	21.7	50.0	28.3	100.0	46	27.3	54.5	18.2	100.0	11	102	68.9	148	45	80.4	56
172	SKIN MEL	33.3	66.7	0.0	100.0	3	20.0	60.0	20.0	100.0	5	3	10	76.9	13	64.3	14
173	SKIN OTH	64.9	32.4	2.7	100.0	37	72.0	28.0	0.0	100.0	25	63	63.0	100	29	53.7	54
174	BREAST FEW	50.0	50.0	0.0	100.0	2	32.6	53.5	13.9	100.0	460	12	85.7	14	745	61.8	1205
175	BREAST MALE	50.0	50.0	0.0	100.0	2	0.0	0.0	0.0	0.0	0	0	0.0	0	0	0.0	0
179	UTERUS UNSP	—	—	—	—	—	6.8	84.6	8.5	100.0	1301	—	—	—	333	20.4	1634
180	CERVIX UTERI	—	—	—	—	—	0.0	0.0	0.0	0.0	0	—	—	—	0	0.0	0
181	PLACENTA	—	—	—	—	—	88.9	5.6	5.6	100.0	36	—	—	—	54	60.0	90
182	BODY UTERUS	—	—	—	—	—	15.6	6.7	77.8	100.0	45	—	—	—	141	75.8	186
183	OVARY	—	—	—	—	—	25.0	60.0	15.0	100.0	40	—	—	—	11	21.6	51
184	VAGINA	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
185	PROSTATE	3.0	30.3	66.7	100.0	33	—	—	—	—	—	58	63.7	91	—	—	—
186	TESTIS	15.8	21.1	63.2	100.0	19	—	—	—	—	—	107	84.9	126	—	—	—
187	PENIS ETC	65.3	30.6	4.1	100.0	49	—	—	—	—	—	60	55.0	109	—	—	—
188	URI BLADDER	68.9	26.2	4.9	100.0	61	66.7	33.3	0.0	100.0	6	44	41.9	105	6	50.0	12
189	KIDNEY	14.3	14.3	71.4	100.0	7	55.6	33.3	11.1	100.0	9	31	41.6	38	9	50.0	18
190	EYE	61.5	15.4	23.1	100.0	13	25.0	37.5	37.5	100.0	8	16	55.2	29	6	42.9	14
191	BRAIN	0.0	50.0	50.0	100.0	2	0.0	0.0	0.0	100.0	1	66	97.1	68	34	97.1	35
192	NEUR SYST	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	6	100.0	6	3	100.0	3
193	THYR GLAND	17.9	57.1	25.0	100.0	28	21.2	54.5	24.2	100.0	33	41	59.4	69	49	59.4	82
194	OTH ENDO GLDS	0.0	0.0	100.0	100.0	3	0.0	0.0	100.0	100.0	1	5	62.5	8	1	50.0	2
195	ILLODEF SITE	0.0	71.4	28.6	100.0	7	0.0	0.0	100.0	100.0	2	3	30.0	10	2	50.0	4
196	SEC LY NODE	0.0	0.5	99.5	100.0	204	0.0	0.0	100.0	100.0	62	28	12.1	232	7	10.1	69
197	SEC RES ETC	0.0	0.0	100.0	100.0	143	0.0	0.0	100.0	100.0	118	10	6.5	153	4	3.3	122
198	SEC OTH	0.0	0.0	100.0	100.0	55	0.0	0.0	100.0	100.0	46	21	27.6	76	15	24.6	61
199	PRIM UNK	0.0	0.0	100.0	100.0	24	0.0	0.0	100.0	100.0	8	1	4.0	25	2	20.0	10
200	LYMPHOMA	100.0	0.0	0.0	100.0	1	0.0	0.0	0.0	0.0	0	228	99.6	229	77	100.0	77
201	HODGK DIS	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	160	100.0	160	37	100.0	37
202	OTH LYMPHOMA	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	75	100.0	75	20	100.0	20
203	MULT MYELOMA	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	48	100.0	48	19	100.0	19
204	LEUK LYMPH	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	241	100.0	241	95	100.0	95
205	LEUK MYEL	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	234	100.0	234	102	100.0	102
206	LEUK MONO	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	4	100.0	4	1	100.0	1
207	LEUK OTH SPE	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	4	100.0	4	0	0.0	0
208	LEUK UNSPEC	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	15	100.0	15	5	100.0	5
%		24.5	51.4	24.1	100.0	4395	21.8	58.8	19.4	100.0	3370	2544	36.7	6939	2138	38.8	5508

* EXTENT OF DISEASE GROUPS: LOC=Localized; REG=Directly extended, regional lymph nodes (rln) involved, directly extended with rln involved; DIS=Distant metastasis, too advanced

** OTHER GROUP: Not palpable; not applicable, eg haematological cancers; treated elsewhere; recurrent; or unknown

HOSPITAL CANCER REGISTRY BOMBAY

SEX : FEMALE

YEAR : 1986

DETAILED AGE-SEX DISTRIBUTION OF CANCERS OF PHARYNX EXCLUDING NASOPHARYNX AND LARYNX

ICD9	SITE	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+	ANS	TOTAL
4TH DIGIT																			
146	OROPHARYNX *																		
146.0	TONSIL	0	0	0	0	2	0	1	2	3	1	7	3	2	2	1	2	0	48
146.1	TONS FOSSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
146.2	TONS PILLARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.3	VALLECULA	0	0	0	0	0	0	0	0	0	0	2	1	2	0	1	0	0	6
146.4	ANT EPIGLOTTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.5	JUNCT REGION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.6	LAT WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.7	POST WALL ORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.8	ORO OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146.9	ORO NOS	0	0	0	0	0	1	1	2	1	1	4	0	2	2	1	1	0	16
148	HYPOPHARYNX																		
148.0	POSTCRICOID	0	0	0	0	4	1	3	6	5	7	10	7	7	1	0	0	0	116
148.1	PYRIF SINUS	0	0	0	0	1	1	0	3	7	12	11	9	7	3	1	0	0	51
148.2	ARYEPICL FOLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
148.3	POST WALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.8	HYPOPH OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.9	HYPOPH NOS	0	0	0	0	0	0	1	0	2	3	1	1	0	2	0	0	0	10
149	PHARYNX NOS AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX																		
149.0	PHARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.1	WALD KING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.8	PHARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149.9	ILL DEF SITES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	ESOPHAGUS																		
150.0	CERVICAL OES	0	0	0	0	0	0	0	0	0	3	0	1	2	0	0	0	0	305
150.1	THORACIC OES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
150.2	ABDOM OESOPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150.3	UPP 3RD OESOPH	0	0	0	0	0	0	0	2	2	5	0	6	8	4	5	1	0	33
150.4	MID 3RD OESOPH	0	0	1	0	1	0	3	15	13	31	18	17	27	23	9	6	0	164
150.5	LOW 3RD OESOPH	0	0	0	0	1	1	3	4	9	13	22	21	11	5	1	8	0	99
150.8	ESOPH OTHER	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
150.9	ESOPH NOS	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2	2
161	LARYNX																		
161.0	GLOTTIS	0	0	0	0	0	0	0	1	3	0	2	2	0	1	0	0	0	50
161.1	SUPRA GLOTTIS	0	0	0	0	0	1	2	4	4	5	7	8	4	4	0	1	0	9
161.2	SUB GLOTTIS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	40
161.3	LARYNX CARTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
161.8	LARYNX OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.9	LARYNX NOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* UICC DEFINITION INCLUDES BASE TONGUE, SOFT PALATE, UVULA

