

TUMOUR REGISTRY
SIRIRAJ CANCER CENTER



STATISTICAL REPORT

1998

FACULTY OF MEDICINE SIRIRAJ HOSPITAL
MAHIDOL UNIVERSITY

ISSN 00857-3840

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SIRIRAJ CANCER CENTER

This is a report of the cancer statistics for the year 1998 of the Siriraj Hospital, Mahidol University. It is the hospital-based statistics, as it should be interpreted with caution if one would like to extrapolate this data to represent the whole country. It is quite informative for the faculty member who are interested in epidemiology, especially who are planning for work load, personnel, and even the teaching aspect of oncology as well.

Interestingly, the leading cancer sites are breast cancer, colorectal cancer, and lung cancer. Breast cancer is the leading cancer site but it is the second most common cancer site (the 4th last year). The survival cancer is still increasing but the percent appears to be decreasing while the incidence is increasing and it is increasing steadily every year since 1990.

The incidence of oral cancer, liver and lung cancer are stabilizing or slightly decreasing.

The histologically proved diagnosis of the center of our institution is 94.7%, we still hope for a higher one.

Our patients are mostly from Bangkok. The surrounding provinces are the main sources of patients. The rest comes from all over the country.

I would like to thank all the members of the committee of the tumor registry, especially Associate professor V. Yawongwattana and Dr. K. Anonpraditkul for their suggestions and comments and all our Faculty personnel who provide the information for us.



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INTRODUCTION

This is a report of the cancer statistics for the year 1998 of the Siriraj Hospital, Mahidol University. It is the hospital - based statistics, so it should be interpreted with caution if one would like to extrapolated this data to represent the whole country, any how it is quite informative for the faculty member who are interested in oncology especially who are planing for work load, personnel development, researches and even the teaching aspect of oncology as a whole.

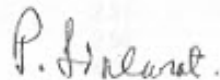
Interestingly, there are some changes of the statistics of each tumor type, colo-rectal cancer is still number 4 on the ten leading cancer list but it is the second most common cancer in male (from the 4 th last year). The cervical cancer is still the number one on this list but the percent agewise it is decreasing while the breast cancer is increasing and it is increasing steadily every year since 1994.

The incidence of oral cavity, ovary and lung cancer are stabilising or slightly decreasing.

The histologically proved diagnosis of the cancer of our institution is 98.78%, we still hope for a higher one.

Our patients come from different parts of the country, only 1/4 come from Bangkok. The surrounding provinces are the main sources of patients, the rest comes from all over the country

I would like to thank all the members of the committee of the tumor registry, especially Associate professor V. Vootiprux and Dr. K. Amornpichetkul for their suggestions and comments and all our Faculty personnels who provide the information for us



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Chairman

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1998
TABLE I
NUMBER OF PATIENT

Type of Patient	No. of Cases
Total No. of Out Patients	1,084,506
Total No. of New Patients	301,307
Total No. of New Patients with Malignancy	3,610

The Cancer cases are 1.20 % of all new patients.

TABLE II
DIAGNOSIS

Diagnosed by	Number	Percentage
Histological proved	3,566	98.78
Clinical & X-ray	44	1.22
Total	3,610	100.00

TABLE III
NUMBER OF MALIGNANT NEOPLASM BY AGE AND SEX

AGE-group	MALE		FEMALE		TOTAL	
	No	%	No	%	No	%
ALL AGE	1,516	100.00	2,094	100.00	3,610	100.00
Unknown	6	0.40	4	0.19	10	0.28
1+	39	2.57	28	1.34	67	1.86
5+	21	1.39	17	0.81	38	1.05
10+	25	1.65	20	0.96	45	1.25
15+	19	1.25	21	1.00	40	1.11
20+	29	1.91	36	1.72	65	1.80
25+	35	2.31	77	3.68	112	3.10
30+	54	3.56	122	5.83	176	4.88
35+	62	4.09	186	8.88	248	6.87
40+	99	6.53	225	10.74	324	8.98
45+	115	7.59	265	12.66	380	10.53
50+	112	7.39	209	9.98	321	8.89
55+	157	10.36	217	10.36	374	10.36
60+	197	12.99	227	10.84	424	11.75
65+	221	14.58	156	7.45	377	10.44
70+	151	9.96	145	6.92	296	8.20
75+	96	6.33	68	3.25	164	4.54
80+	52	3.43	50	2.39	102	2.83
85+	20	1.32	15	0.72	35	0.97
90+	6	0.40	4	0.19	10	0.28
95+	0	0.00	2	0.10	2	0.06

TABLE III.I
NUMBER OF MALIGNANT NEOPLASM BY AGE AND SEX

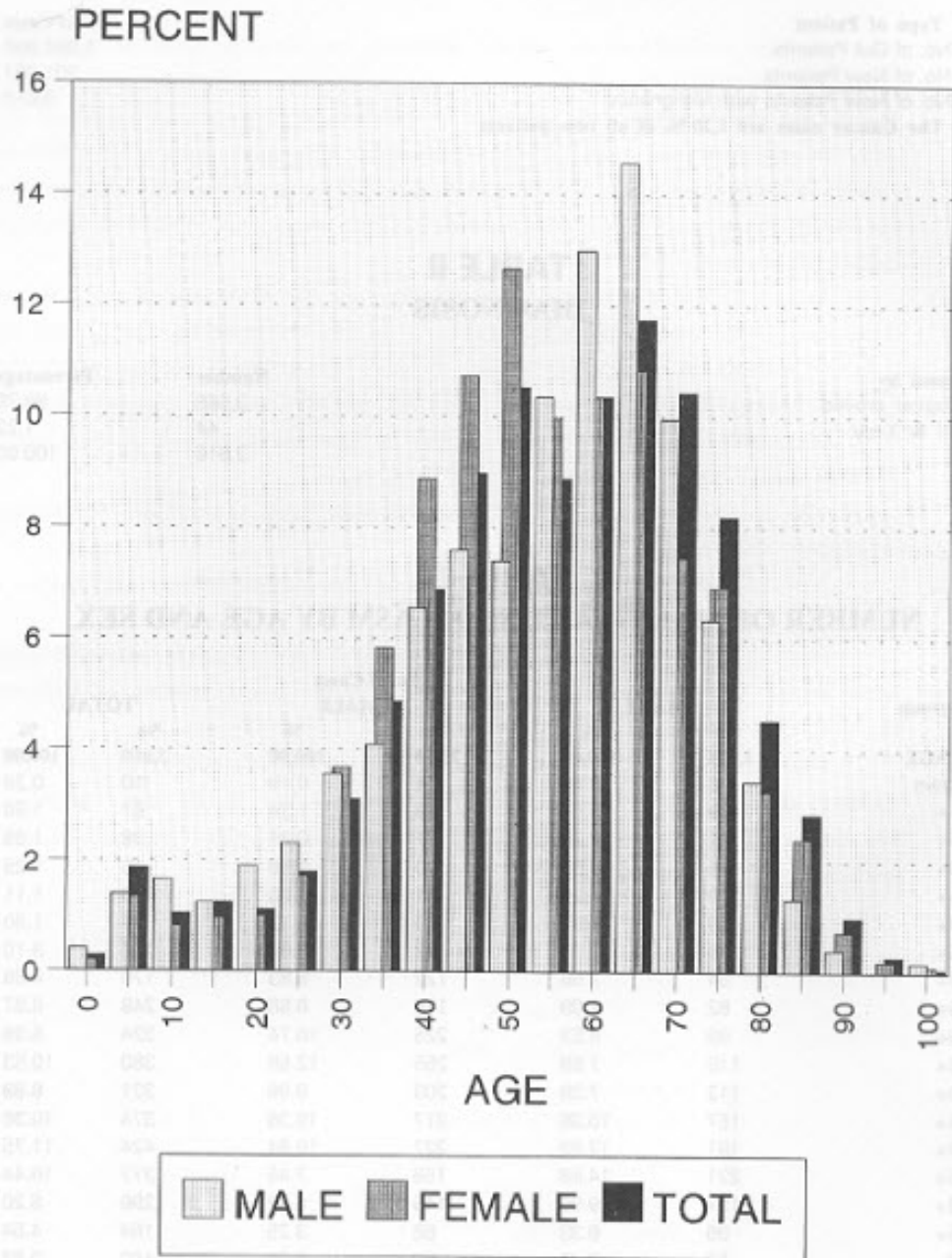


TABLE IV
PRIMARY SITE

CODE	SITE	No. of Cases			%
		M	F	T	
	GRAND TOTAL	1516	2094	3610	100.00
C00.0-C14.0	Neoplasm of Buccal & Pharynx	238	148	386	10.69
C00.0	Upper lip	1	1	2	0.06
C00.1	Lower lip	1	12	13	0.36
C01	Base of Tongue	17	3	20	0.55
C02.9	Tongue, unspecified	36	25	61	1.69
C03.0	Gum upper	1	0	1	0.03
C03.1	Gum lower	3	4	7	0.19
C03.9	Gum, unspecified	7	7	14	0.39
C04.9	Floor of mouth, unspecified	11	3	14	0.39
C05.0	Hard palate	6	4	10	0.28
C05.1	Soft palate	8	1	9	0.25
C05.9	Palate, unspecified	3	1	4	0.11
C06.0	Cheek mucosa	7	26	33	0.91
C07	Parotid gland	0	6	6	0.17
C08.9	Salivary gland, unspecified	4	2	6	0.17
C09.9	Tonsil, unspecified	20	9	29	0.80
C10.9	Oropharynx, unspecified	1	0	1	0.03
C11.9	Nasopharynx, unspecified	71	39	110	3.05
C12	Pyramidal sinus	28	2	30	0.83
C13.0	Post cricoid	1	0	1	0.03
C13.9	Hypopharynx, unspecified	5	1	6	0.17
C14.0	Pharynx, unspecified	7	1	8	0.22
C14.8	Oral cavity, unspecified	0	1	1	0.03
C15 - C26	Digestive Organs	327	206	533	14.76
C15.9	Esophagus, unspecified	41	14	55	1.52
C16.2	Stomach body	2	0	2	0.06
C16.9	Stomach, unspecified	30	28	58	1.61
C17.0	Duodenum	1	1	2	0.06
C18.0	Caecum	2	1	3	0.08
C18.1	Appendix	0	1	1	0.03
C18.7	Sigmoid colon	22	22	44	1.22
C18.9	Colon, unspecified	48	48	96	2.66
C20	Rectum	46	42	88	2.44
C21.0	Anus, unspecified	1	0	1	0.03
C21.1	Anal canal	0	2	2	0.06
C22.0	Liver cell ca	89	18	107	2.96
C22.1	Cholangio ca	16	9	25	0.69
C22.2	Hepatoblastoma	3	3	6	0.17
C22.9	Liver, unspecified	6	2	8	0.22
C23	Gall bladder	6	7	13	0.36
C24.0	Bile duct	2	1	3	0.08
C24.1	Ampular of Vater	4	2	6	0.17
C25.0	Pancreas head	4	1	5	0.14
C25.9	Pancreas, unspecified	4	4	8	0.22
C30-C39	Malignant Neoplasm of Respiratory System	192	80	272	7.53
C30.0	Nasal cavity	7	6	13	0.36
C31.0	Maxillary sinus	6	6	12	0.33

CODE	SITE	No. of Cases			%
		M	F	T	
C31.1	Ethmoid sinus	1	1	2	0.06
C32.0	Glottis	26	2	28	0.78
C32.1	Supraglottis	7	5	12	0.33
C32.2	Subglottis	3	0	3	0.08
C32.8	Larynx overlap	1	0	1	0.03
C32.9	Larynx, unspecified	25	1	26	0.72
C34.9	Lung, unspecified	114	57	171	4.74
C37	Thymus	1	1	2	0.06
C38.1	Ant. mediastinum	0	1	1	0.03
C38.3	Mediastinum, unspecified	1	0	1	0.03
C40-C50 Malig. Neoplasm of Bone, Connective Tissue, Skin & Breast		105	486	591	16.37
C40.2	Long Bone, Lower limb	2	3	5	0.14
C41.9	Bone, unspecified	17	15	32	0.89
C43.7	Melanoma, lower limb	1	1	2	0.06
C43.9	Melanoma, skin, unspecified	2	4	6	0.16
C44.0	Skin, lip	2	1	3	0.08
C44.1	Skin, eye lid	2	7	9	0.25
C44.2	Skin, ear	6	3	9	0.25
C44.3	Skin, face	6	29	35	0.97
C44.4	Skin, scalp	4	1	5	0.14
C44.5	Skin, trunk	1	1	2	0.06
C44.6	Skin, upper limb	4	6	10	0.28
C44.7	Skin, lower limb	8	3	11	0.30
C44.8	Skin, overlap	2	3	5	0.14
C44.9	Skin, unspecified	22	19	41	1.14
C45.9	Mesothelioma, unspecified	0	1	1	0.03
C46.0	Kapo skin	2	0	2	0.06
C46.3	Kapo lymph node	1	0	1	0.03
C48.0	Retro peritonium	0	1	1	0.03
C49.9	Soft tissue, unspecified	15	21	36	1.00
C50.9	Breast, unspecified	8	366	374	10.36
C51-C68 Malig. Neoplasm of Genital and Urinary Tract		215	790	1005	27.84
C51.9	Vulva, unspecified	0	9	9	0.25
C52	Vagina	0	8	8	0.22
C53.9	Cervix, unspecified	0	503	503	13.93
C54.1	Endometrium	0	5	5	0.14
C54.9	Corpus unspecified	0	37	37	1.02
C55	Uterus, unspecified	0	1	1	0.03
C56	Ovary	0	175	175	4.85
C60.9	Penis, unspecified	20	0	20	0.55
C61	Prostate	71	0	71	1.97
C62.9	Testis, unspecified	6	0	6	0.17
C64	Kidney	10	14	24	0.66
C65	Renal pelvis	8	5	13	0.36
C66	Ureter	1	0	1	0.03
C67.9	Bladder, unspecified	99	33	132	3.66

CODE	SITE	No. of Cases			%
		M	F	T	
C69-C75 Malign. Neoplasm of Eye, Brain, Spinal Cord, & Endocrine Gland		52	75	127	3.52
C69.0	Conjunctiva	2	2	4	0.11
C69.2	Retina	3	1	4	0.11
C69.5	Lacrimal gland	0	1	1	0.03
C69.6	Orbital	0	1	1	0.03
C70.9	Meninges, unspecified	2	2	4	0.11
C71.2	Temporal lobe	1	0	1	0.03
C71.6	Cerebellum	2	1	3	0.08
C71.9	Brain, unspecified	18	9	27	0.75
C72.9	Nervous system, unspecified	7	10	17	0.47
C73	Thyroid gland	16	47	63	1.75
C74.9	Adrenal, unspecified	1	1	2	0.06
C76 - C80 Malign. Neoplasm of Ill-Defined, Secondary & Unspecified Site		125	108	233	6.45
C77.0	Node head	0	1	1	0.03
C80	Without Specification of site	125	107	232	6.43
C81-C96 Malign. Neoplasms of Lymphoid, Haemetic & Related Tissue		262	201	463	12.83
C81.9	Hodgkin's disease	13	4	17	0.47
C84.4	T-cell lymphoma	1	0	1	0.03
C85.0	Lymphosarcoma	1	0	1	0.03
C85.9	Lymphoma nos	82	58	140	3.88
C90.0	Multiple myeloma	14	18	32	0.89
C91.0	Acute lymphoblastic leukaemia	56	41	97	2.69
C91.1	Chronic lymphocytic leukaemia	6	7	13	0.36
C92.0	Acute myeloid leukaemia	24	19	43	1.19
C92.1	Chronic myeloid leukaemia	28	25	53	1.47
C92.4	Acute promyelocytic leukaemia	7	6	13	0.36
C92.5	Acute myelomonocytic leukaemia	4	3	7	0.19
C93.0	Acute monocytic leukaemia	0	2	2	0.06
C94.7	Other specify leukaemia	5	12	17	0.47
C95.9	Leukaemia, unspecified	6	2	8	0.22
C96.1	Histiocytosis	10	3	13	0.36
C96.9	Malign. lym, unspecified	5	1	6	0.17

TABLE V
PATHOLOGY ACCORDING TO SITE

			No. of Cases		
			M	F	Total
C00.0	Malig.	Neoplasm of upper lip	1	1	2
		Sq. cell ca.	1	1	2
C00.1	Malig.	Neoplasm of lower lip	1	12	13
		Carcinoma in situ	0	1	1
		Sq. cell ca.	1	11	12
C01	Malig.	Neoplasm of base of tongue	17	3	20
		Adenoid cystic ca.	1	0	1
		Leiomyosarcoma	0	1	1
		Malig. lymphoma	1	1	2
		No histology proved	1	0	1
		Sq. cell ca.	14	1	15
		Neoplasm of Tongue, unspecified	36	25	61
C02.9	Malig.	Mucoepidermoid ca.	1	0	1
		Sq. cell ca.	34	25	59
		Undiff. ca.	1	0	1
C03.0	Malig.	Neoplasm of Upper gum	1	0	1
		Undiff. ca.	1	0	1
C03.1	Malig.	Neoplasm of Lower gum	3	4	7
		Sq. cell ca.	3	4	7
C03.9	Malig.	Neoplasm of Gum, unspecified	7	7	14
		Sq. cell ca.	5	7	12
		Undiff. ca.	2	0	2
C05.0	Malig.	Neoplasm of Hard palate	6	4	10
		Malig. lymphoma	1	1	2
		Spindle cell sarcoma	1	0	1
		Sq. cell ca.	3	3	6
		Undiff. ca.	1	0	1
C05.1	Malig.	Neoplasm of Soft palate	8	1	9
		Sq. cell ca.	8	1	9
C05.9	Malig.	Neoplasm of Palate, unspecified	3	1	4
		Sq. cell ca.	3	1	4
C06.0	Malig.	Neoplasm of Buccal mucosa	7	26	33
		Malig. lymphoma	1	1	2
		Sq. cell ca.	6	25	31
C07	Malig.	Neoplasm of Parotid gland	0	6	6
		Adenocarcinoma	0	1	1
		Adenoid cystic ca	0	1	1
		Acinic cell ca	0	1	1
		Mucoepidermoid ca	0	1	1
		Sq. cell ca.	0	1	1
		Undiff. cell ca.	0	1	1
C08.9	Malig.	Neoplasm of Salivary gland, unspecified	4	2	6
		Adenocarcinoma	1	0	1
		Adenoid cystic ca.	1	1	2
		Mucoepidermoid ca.	1	1	2
		Sq. cell ca.	1	1	2

ICD-9	Site	Histology	No. of Cases		
			M	F	Total
C09.9	Malig.	Neoplasm of Tonsil	20	9	29
		Malig. lymphoma	1	5	6
		Sq. cell ca.	18	4	22
		Undiff. cell ca.	1	0	1
C10.9	Malig.	Neoplasm of Oropharynx	1	0	1
		Sq. cell ca.	1	0	1
C11.9	Malig.	Neoplasm of Nasopharynx	71	39	110
		Adenoid cystic ca	0	1	1
		Malig. lymphoma	4	2	6
		Sq. cell ca.	34	17	51
C12	Malig.	Neoplasm of Pyriform sinus	28	2	30
		Sq. cell ca.	28	2	30
C13.0	Malig.	Neoplasm of Post cricoid	1	0	1
		Sq. cell ca.	1	0	1
C13.9	Malig.	Neoplasm of Hypopharynx, unspecified	5	1	6
		Adenosquamous cell ca.	1	0	1
		Sq. cell ca.	4	1	5
C14.9	Malig.	Neoplasm of Pharynx, unspecified	7	2	9
		Sq. cell ca.	7	1	8
		Undiff. ca.	0	1	1
C15	Malig.	Neoplasm of Oesophagus	41	14	55
		Adenocarcinoma	1	1	2
		No histology proved	2	0	2
		Sq. cell ca.	38	13	51
C16	Malig.	Neoplasm of Stomach	32	28	60
		Adenocarcinoma	26	24	50
		Leiomyosarcoma	3	1	4
		Malig. lymphoma	0	2	2
		No histology proved	1	0	1
		Sq. cell ca.	0	1	1
C17	Malig.	Neoplasm of Small Intestine	1	1	2
		Adenocarcinoma	1	1	2
C18	Malig.	Neoplasm of Colon	72	72	144
		Adenocarcinoma	71	69	140
		Leiomyosarcoma	0	1	1
		Malig. lymphoma	0	1	1
		Undiff. ca.	1	1	2
C20	Malig.	Neoplasm of Rectum	46	42	88
		Adenocarcinoma	44	41	85
		Malig. lymphoma	1	0	1
		No histology proved	1	1	2
C21	Malig.	Neoplasm of Anal Canal and Anus	1	2	3
		Sq. cell ca.	1	2	3
C22	Malig.	Neoplasm of Liver	114	32	146
		Cholangiocarcinoma	16	9	25
		Hepatocellular ca.	89	18	107
		Hepatoblastoma	3	3	6
		Malig. lymphoma	2	0	2
		No histology proved	1	0	1
C23	Malig.	Neoplasm of Gall Bladder	6	7	13
		Adenocarcinoma	6	7	13

TABLE V

PATHOLOGY ACCORDING TO SITE			No. of Cases		
			M	F	Total
C24.0	Malig.	Neoplasm of Extrahepatic Common bile duct	2	1	3
		Adenocarcinoma	2	1	3
C24.1	Malig.	Neoplasm of Ampular of Vater	4	2	6
		Adenocarcinoma	4	2	6
C25.9	Malig.	Neoplasm of Pancreas	8	5	13
		Adenocarcinoma	7	4	11
		Malig. lymphoma	0	1	1
		No histology proved	1	0	1
C30.0	Malig.	Neoplasm of Nasal Cavity	7	6	13
		Adenocarcinoma	1	0	1
		Adenoid cystic ca	2	0	2
		Fibrosarcoma	0	1	1
		Malig. lymphoma	1	2	3
		Sq. cell ca.	2	1	3
		Undiff. ca.	1	2	3
C31.0	Malig.	Neoplasm of Maxillary Sinus	6	6	12
		Adenocarcinoma	3	3	6
		Adenoid cystic ca	0	2	2
		Mucoepidermoid ca	0	1	1
		No histology proved	1	0	1
		Sq. cell ca.	1	0	1
		Transitional cell ca.	1	0	1
C31.1	Malig.	Neoplasm of Ethmoid Sinus	1	1	2
		Spindle cell sarc	1	0	1
		Undiff. ca.	0	1	1
C32.0	Malig.	Neoplasm of Glottis	26	2	28
		Sq. cell ca.	26	2	28
C32.1	Malig.	Neoplasm of Supraglottis	7	5	12
		Mucoepidermoid ca	0	1	1
		Sq. cell ca.	7	3	10
		Undiff. ca.	0	1	1
C32.2	Malig.	Neoplasm of Subglottis	3	0	3
		Sq. cell ca.	3	0	3
C32.9	Malig.	Neoplasm of Larynx, unspecified	26	1	27
		Adenoid cystic ca	1	0	1
		Sq. cell ca.	25	1	26
C34.9	Malig.	Neoplasm of Lung and Bronchus	114	57	171
		Adenocarcinoma	54	41	95
		Alveolar cell ca	2	1	3
		No histology proved	5	2	7
		Sq. cell ca.	28	6	34
		Undiff. ca.	4	0	4
		Undiff. ca. large cell type	5	3	8
		Undiff. ca. small cell type	16	4	20
C37	Malig.	Neoplasm of Thymus	1	1	2
		Malig. thymoma	1	1	2
C38	Malig.	Neoplasm of Heart, Mediastinum and Pleura	1	1	2
		Mixed germ cell	1	0	1
		Undiff. ca.	0	1	1
C40-C41	Malig.	Neoplasm of Bone	19	18	37
		Chondrosarcoma	2	1	3
		Ewing's sarcoma	5	1	6
		Giant cell sarcoma	2	5	7
		Osteosarcoma	10	10	20
		Spindle cell sarc	0	1	1

				No. of Cases			
				M	F	Total	
C43	Malig.	Melanoma of Skin	3	5	8		
		Melanoma	3	5	8		
C44	Malig.	Neoplasm of Skin	57	74	131		
		Angiosarcoma	1	0	1		
		Basal cell ca.	22	39	61		
		Bowen's disease	3	4	7		
		Malig. lymphoma	2	3	5		
		Sebaceous gland ca.	0	2	2		
C45	Malig.	Sq. cell ca.	29	26	55		
		Mesothelioma	0	1	1		
C46	Malig.	Mesothelioma	0	1	1		
		Kaposi's Sarcoma	3	0	3		
C48	Malig.	Kaposi's sarcoma	3	0	3		
		Peritonium and Retroperitonium	0	1	1		
C49	Malig.	Liposarcoma	0	1	1		
		Connective Tissue	15	21	36		
		Dermatofibro sarcoma	1	1	2		
		Embryonal Rhabdomyo sarcoma	0	1	1		
		Fibrosarcoma	0	2	2		
		Malig. giant cell tumour	0	2	2		
		Leiomyosarcoma	3	1	4		
		Liposarcoma	1	3	4		
		Malig fibrous histiocytoma	2	2	4		
		Haemangio pericytoma	1	1	2		
		Rhabdomyo sarcoma	3	4	7		
		Spindle cell sarcoma	3	3	6		
		Undiff. ca.	1	0	1		
		Lymphangio sarcoma	0	1	1		
		C50	Malig.	Neoplasm of Breast	8	366	374
				Apocrine gland	0	1	1
Mucinous ca.	0			7	7		
No histology proved	0			6	6		
Papillary ca.	0			1	1		
Paget's disease	0			2	2		
Undiff. ca.	0			2	2		
Infiltrative duct ca.	8			341	349		
Invasive lobular ca.	0			4	4		
Malig phylodes	0			1	1		
Intraductal ca.	0			1	1		
C51	Malig.	Neoplasm of Vulva	0	9	9		
		Adenocarcinoma	0	2	2		
		Sq. cell ca.	0	7	7		
C52	Malig.	Neoplasm of Vagina	0	8	8		
		Adenocarcinoma	0	2	2		
		Malig. mixed mesodermal tumour	0	1	1		
		Sq. cell ca.	0	5	5		
C53	Malig.	Neoplasm of Cervix uteri	0	503	503		
		Adenocarcinoma	0	72	72		
		Adenosquamous cell ca.	0	19	19		
		Carcinoma in situ	0	16	16		
		No histology proved	0	12	12		
		Sq. cell ca.	0	383	383		
		Undiff. cell ca.	0	1	1		

			No. of Cases		
			M	F	Total
C54	Malig.	Neoplasm of Corpus uteri	0	42	42
		Adenocarcinoma	0	40	40
		Adenosquamous cell ca.	0	1	1
		Stromal cell ca.	0	1	1
C55	Malig.	Neoplasm of Uterus, Part unspecified	0	1	1
		Endometroid ca.	0	1	1
C56	Malig.	Neoplasm of Ovary	0	175	175
		Adenocarcinoma	0	39	39
		Adenosquamous cell ca.	0	1	1
		Clear cell ca.	0	21	21
		Mucinous cyst adeno ca.	0	34	34
		Serous cyst adeno ca.	0	44	44
		Dysgerminoma	0	5	5
		Endometriod ca.	0	7	7
		Endodermal sinus ca.	0	5	5
		Fibrosarcoma	0	1	1
		Leiomyosarcoma	0	1	1
		Malig. Brenner tumour	0	1	1
		Malig. Mixed germ cell tumour	0	5	5
		Malig. Mixed mullerion tumour	0	1	1
		Malig. teratoma	0	3	3
		No histology proved	0	1	1
Stromal cell ca.	0	1	1		
Undiff ca.	0	1	1		
Malig. granulosa cell tumour	0	4	4		
C60	Malig.	Neoplasm of Penis	20	0	20
		No histology proved	1	0	1
		Sq. cell ca.	18	0	18
		Undiff ca.	1	0	1
C61	Malig.	Neoplasm of Prostate	71	0	71
		Adenocarcinoma	71	0	71
C62	Malig.	Neoplasm of Testis	6	0	6
		Malig. Teratoma	1	0	1
		Seminoma	5	0	5
C64	Malig.	Neoplasm of Kidney	10	14	24
		Renal cell ca.	9	10	19
		Wilms' tumour	1	4	5
C65	Malig.	Neoplasm of Renal Pelvis	8	5	13
		No histology proved	0	1	1
		Transitional cell ca.	8	4	12
C66	Malig.	Neoplasm of Ureter	1	0	1
		Transitional cell ca.	1	0	1
C67	Malig.	Neoplasm of Bladder	99	33	132
		Adenocarcinoma	5	2	7
		Sq. cell ca.	6	3	9
		Transitional cell ca.	88	28	116
C69	Malig.	Neoplasm of Eye and Adnexa	5	5	10
		Malig. lymphoma	0	2	2
		Melanoma	1	0	1
		Retinoblastoma	3	1	4
		Sq. cell ca.	1	2	3
C70	Malig.	Neoplasm of Meninges	2	2	4
		Meningioma	2	2	4

			No. of Cases		
			M	F	Total
C71	Malig.	Neoplasm of Brain	21	10	31
		Astrocytoma	10	5	15
		Glioblastoma, multiforme	5	1	6
		Malig. lymphoma	3	0	3
		Medulloblastoma	1	1	2
		No histology proved	2	3	5
C72	Malig.	Neoplasm of Spinal cord, Cranial nerve	7	10	17
		Malig schwannoma	0	1	1
		Neurilemoma	0	1	1
		Neuroblastoma	7	8	15
C73	Malig.	Neoplasm of Thyroid gland	16	47	63
		Follicular carcinoma	1	3	4
		Hurthle cell ca.	0	2	2
		Malig. lymphoma	0	1	1
		Papillary ca.	14	38	52
		Sq. cell ca.	1	0	1
		Anaplastic ca.	0	3	3
C74	Malig.	Neoplasm of Adrenal gland	1	1	2
		Ganglioneuroblastoma	1	1	2
C77	Malig.	Metastasis in Lymph node	0	1	1
		Sq. cell ca.	0	1	1
C80	Malig.	Neoplasm site not specified	125	107	232
		Adenocarcinoma	81	77	158
		Alveolar cell ca.	0	1	1
		Clear cell ca.	1	0	1
		Merkel cell ca.	0	1	1
		Leiomyosarcoma	0	1	1
		Mucinous ca.	0	1	1
		Mucoepidermoid ca.	2	0	2
		No histology proved	0	2	2
		Papillary ca.	3	0	3
		Spindle cell sarcoma	1	0	1
		Signet ring cell ca.	1	0	1
		Sq. cell ca.	16	11	27
		Undiff. cell ca.	20	13	33
C81	Malig.	Hodgkin's disease	13	4	17
		Hodgkin's disease	13	4	17
C84	Malig.	Peripheral T-cell lymphoma	1	0	1
		Peripheral T-cell lymphoma	1	0	1
C85	Malig.	Unspecified type Lymphoma	83	58	141
		Unspecified type lymphoma	83	58	141
C90.0	Malig.	Multiple myeloma	14	18	32
		Multiple myeloma	14	18	32
C91.0	Malig.	Acute Lymphoblastic leukaemia	56	41	97
		Acute lymphoblastic leukaemia	56	41	97
C91.1	Malig.	Chronic Lymphocytic leukaemia	6	7	13
		Chronic lymphocytic leukaemia	6	7	13
C92.0	Malig.	Acute Myeloid leukaemia	24	19	43
		Acute myeloid leukaemia	24	19	43
C92.1	Malig.	Chronic Myeloid leukaemia	28	25	53
		Chronic myeloid leukaemia	28	25	53
C92.2-C92.9	Malig.	Myeloid leukaemia unspc	11	9	20
		Myeloid leukaemia unspecified	11	9	20
C93.0	Malig.	Acute Monocytic leukaemia	0	2	2
		Acute monocytic leukaemia	0	2	2
C94-C96	Malig.	Other leukaemia	26	18	44
		Other leukaemia	26	18	44

TABLE VI
THE TEN LEADING SITES

Site	M	F	T	%
ALL SITES	1,516	2,094	3,610	100.00
Cervix Uteri	0	503	503	13.93
Breast	8	366	374	10.36
Leukaemia	151	121	272	7.53
Colon Rectum	118	114	232	6.43
Lung	114	114	228	6.32
Oral Cavity	101	87	188	5.21
Ovary	0	175	175	4.85
Liver	114	32	146	4.04
Lymphnoma	84	58	142	3.93
Skin	57	73	130	3.60

TABLE VI.I
THE TEN LEADING SITES

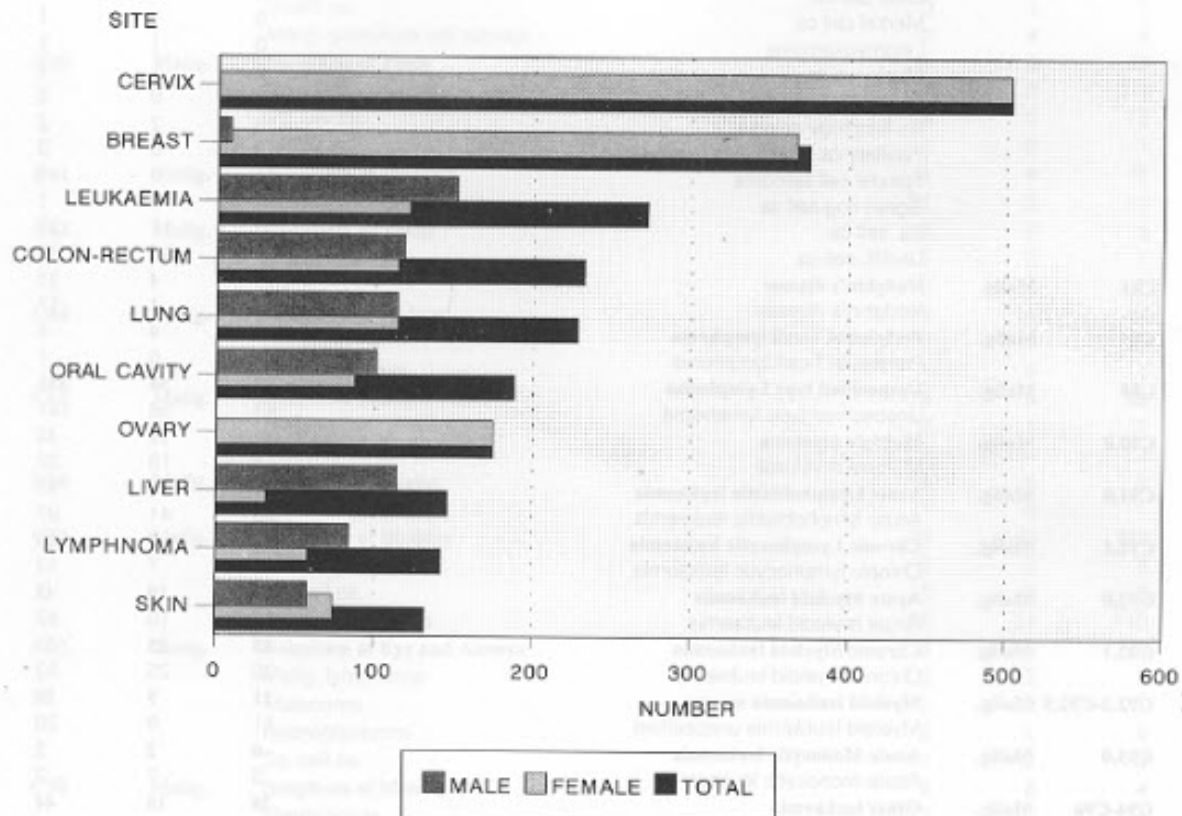


TABLE VII
MALIGNANT NEOPLASM IN CHILDHOOD

Code		No. of Cases								
		TOTAL	M	F	0-4		5-9		10-15	
					M	F	M	F	M	F
Total		150	85	65	39	28	21	17	25	20
C11	Nasopharynx	1	1	0	0	0	0	0	1	0
C22	Liver	7	4	3	3	3	0	0	1	0
C40-C41	Bone and joint	7	4	3	0	0	1	0	3	3
C45-C49	Soft tissue	2	1	1	1	1	0	0	0	0
C51-C55	Vagina, uterus	1	0	1	0	0	0	0	0	1
C56-C57	Ovary and adnexa	6	0	6	0	1	0	3	0	2
C64-C65	Kidney	5	1	4	0	4	1	0	0	0
C69	Eye and adnexa	4	3	1	3	1	0	0	0	0
C71-C72	Brain and cord	23	11	12	7	6	3	3	1	3
C73	Thyroid	1	0	1	0	0	0	0	0	1
C74-C75	Endocrine gland	1	0	1	0	0	0	1	0	0
C76-C80	Ill defined site	1	0	1	0	0	0	0	0	1
C81	Hodgkin's	6	5	1	1	0	3	1	1	0
C80-C89	Lymphoma	15	11	4	4	3	2	0	5	1
C91	Lymphoid leukaemia	55	36	19	19	8	9	6	8	5
C92	Myeloid leukaemia	7	5	2	1	1	1	1	3	0
C94-C96	Other leukaemia	8	3	5	0	0	1	2	2	3

TABLE IX

SITE / Age-Group	Under 1																					
	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+	95+	Unknown	
Brain	T 31	-	4	3	2	-	1	2	5	3	4	-	-	3	-	1	2	-	-	-	-	1
	M 21	-	2	2	1	-	1	-	3	3	4	-	-	2	-	1	1	-	-	-	-	1
	F 10	-	2	1	1	-	-	2	2	-	-	-	-	1	-	-	1	-	-	-	-	-
Other nervous system	T 17	-	9	3	2	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
	M 7	-	5	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	F 10	-	4	2	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Thyroid	T 63	-	-	-	1	4	7	11	5	3	2	7	1	9	5	3	1	3	2	-	-	-
	M 16	-	-	-	-	1	1	1	-	1	-	2	-	3	2	2	1	1	1	-	-	-
	F 47	-	-	-	-	1	3	6	10	5	2	2	5	1	6	3	1	-	2	1	-	-
Adrenal gland	T 2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	M 1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	F 1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unspecified site	T 232	-	-	-	1	-	3	9	8	10	33	25	33	42	31	18	12	2	-	-	-	1
	M 125	-	-	-	-	-	1	5	5	2	15	15	23	21	16	11	8	1	-	-	-	-
	F 107	-	-	-	-	1	2	4	3	8	18	10	10	21	15	7	4	1	-	-	-	1
Hodgkin's disease	T 17	-	1	4	1	1	-	2	1	3	1	2	-	1	-	-	-	-	-	-	-	-
	M 13	-	1	3	1	1	-	2	-	1	1	2	-	1	-	-	-	-	-	-	-	-
	F 4	-	-	1	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Malignant lymphoma	T 142	-	7	2	6	4	6	7	3	13	11	14	9	8	14	11	14	7	3	1	-	2
	M 84	-	4	2	5	2	4	5	3	5	5	8	7	4	9	5	7	5	2	1	-	1
	F 58	-	3	-	1	2	2	-	8	6	6	2	4	5	6	7	2	1	-	-	-	1
Multiple myeloma	T 32	-	-	-	-	-	-	1	3	1	2	6	4	3	7	3	2	-	-	-	-	-
	M 14	-	-	-	-	-	-	-	2	1	-	2	2	1	4	-	2	-	-	-	-	-
	F 18	-	-	-	-	-	-	-	1	1	-	2	4	2	2	3	3	-	-	-	-	-
Acute lymphoblastic leukaemia	T 97	-	27	15	13	12	4	6	2	3	5	2	1	1	1	2	-	1	-	-	-	2
	M 56	-	19	9	8	5	1	5	1	1	3	2	-	-	-	-	-	-	-	-	-	1
	F 41	-	8	6	5	7	3	1	1	2	2	-	1	1	1	1	-	1	-	-	-	1
Chronic lymphocytic leukaemia	T 13	-	-	-	-	-	-	-	1	1	1	1	1	1	3	3	2	1	-	-	-	-
	M 6	-	-	-	-	-	-	-	-	1	-	1	-	1	2	-	1	-	-	-	-	-
	F 7	-	-	-	-	-	-	-	-	1	-	1	-	1	2	1	2	-	-	-	-	-
Acute myeloid leukaemia	T 43	-	2	1	1	2	1	4	3	2	6	3	3	3	3	3	-	2	-	-	-	1
	M 24	-	1	-	1	2	1	2	2	1	2	-	2	1	2	2	3	-	-	-	-	1
	F 19	-	1	1	-	-	-	2	1	1	4	3	1	2	1	1	-	-	-	-	-	-
Chronic myeloid leukaemia	T 53	-	-	1	1	2	7	10	3	5	4	4	1	5	1	4	3	2	-	-	-	-
	M 28	-	-	1	1	1	3	6	3	2	3	2	2	2	1	3	1	1	-	-	-	-
	F 25	-	-	-	-	1	4	4	-	3	1	2	1	3	1	1	3	1	-	-	-	-

Erkrankungshäufigkeit pro Altersgruppe

SITE / Age-Group

Myeloid leukaemia, unspecified

Acute monocytic leukaemia

Leukaemia of unspecified type

Under 1 1+ 5+10+15+ 20+25+30+ 35+40+ 45+ 50+ 55+ 60+ 65+ 70+ 75+ 80+ 85+ 90+ 95+ Unknown

	Under 1	1+ 5+10+15+	20+25+30+	35+40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+	95+	Unknown
T 20	-	-	1	2	2	1	1	3	1	-	1	2	-	-	-	-
M 11	-	-	1	1	1	1	2	-	-	1	2	-	-	-	-	-
F 9	-	-	2	2	1	-	1	1	-	-	-	2	-	-	-	-
T 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T 44	-	3	5	2	4	5	2	4	3	2	2	2	3	-	-	-
M 26	-	1	2	2	3	2	3	2	1	1	2	1	1	-	-	-
F 18	-	2	3	-	2	2	2	-	1	1	1	-	1	2	-	-

EM 181	2	5	3	2	4	5	2	4	3	2	2	3	1	1	1	1
FM 17	4	3	4	4	4	3	4	3	4	4	3	3	3	1	1	1
AM 157	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
EM 91	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FM 13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AM 150	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EM 101	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FM 122	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AM 128	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EM 10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FM 11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AM 10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EM 10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FM 10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AM 10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Erkrankungshäufigkeit pro Altersgruppe

EM 181 2 5 3 2 4 5 2 4 3 2 2 3 1 1 1 1

FM 17 4 3 4 4 4 3 4 3 4 4 3 3 3 1 1 1

AM 157 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1

EM 91 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 150 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 122 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 128 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 181 2 5 3 2 4 5 2 4 3 2 2 3 1 1 1 1

FM 17 4 3 4 4 4 3 4 3 4 4 3 3 3 1 1 1

AM 157 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1

EM 91 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 150 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 122 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 128 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

EM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

AM 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

TABLE IX
THE COMMON SITE OF MALIGNANCY BY PERCENTAGE

Site	Percentage				
	1994	1995	1996	1997	1998
Total Cases	3512	3741	3988	4014	3610
Cervix Uteri	17.45	16.73	15.02	15.60	13.93
Breast	7.37	9.98	9.40	9.79	10.36
Leukaemia	8.17	6.89	5.77	7.25	7.53
Colon rectum	5.06	4.41	4.54	6.08	6.43
Lung	5.32	5.34	6.47	6.63	6.32
Oral Cavity	6.43	7.86	6.24	5.18	5.21
Ovary	6.21	5.53	8.45	4.46	4.85
Liver	6.23	5.24	4.11	4.93	4.04
Lymphnoma	4.58	4.78	4.99	5.31	3.93
Skin	2.87	2.80	3.03	3.08	3.60

TABLE X
THE COMMON MALIGNANCY IN MALE

Site	Male	%
All site	1516	100
Leukaemia	151	9.96
Colon rectum	118	7.78
Liver	114	7.52
Lung	114	7.52
Oral cavity	101	6.66
Bladder	96	6.33
Lymphoma	84	5.54
Prostate	74	4.88
Nasopharynx	71	4.68
Larynx	62	4.09

TABLE XI
THE COMMON MALIGNANCY IN FEMALE

Site	Female	%
All site	2094	100
Cervix	503	24.02
Breast	367	17.53
Ovary	175	8.36
Leukaemia	121	5.78
Lung	114	5.44
Colon rectum	114	5.44
Oral cavity	87	4.15
Skin	73	3.48
Lymphoma	58	2.77
Thyroid	49	2.34

TABLE IX
THE COMMON SITE OF MALIGNANCY BY PERCENT
1994-98

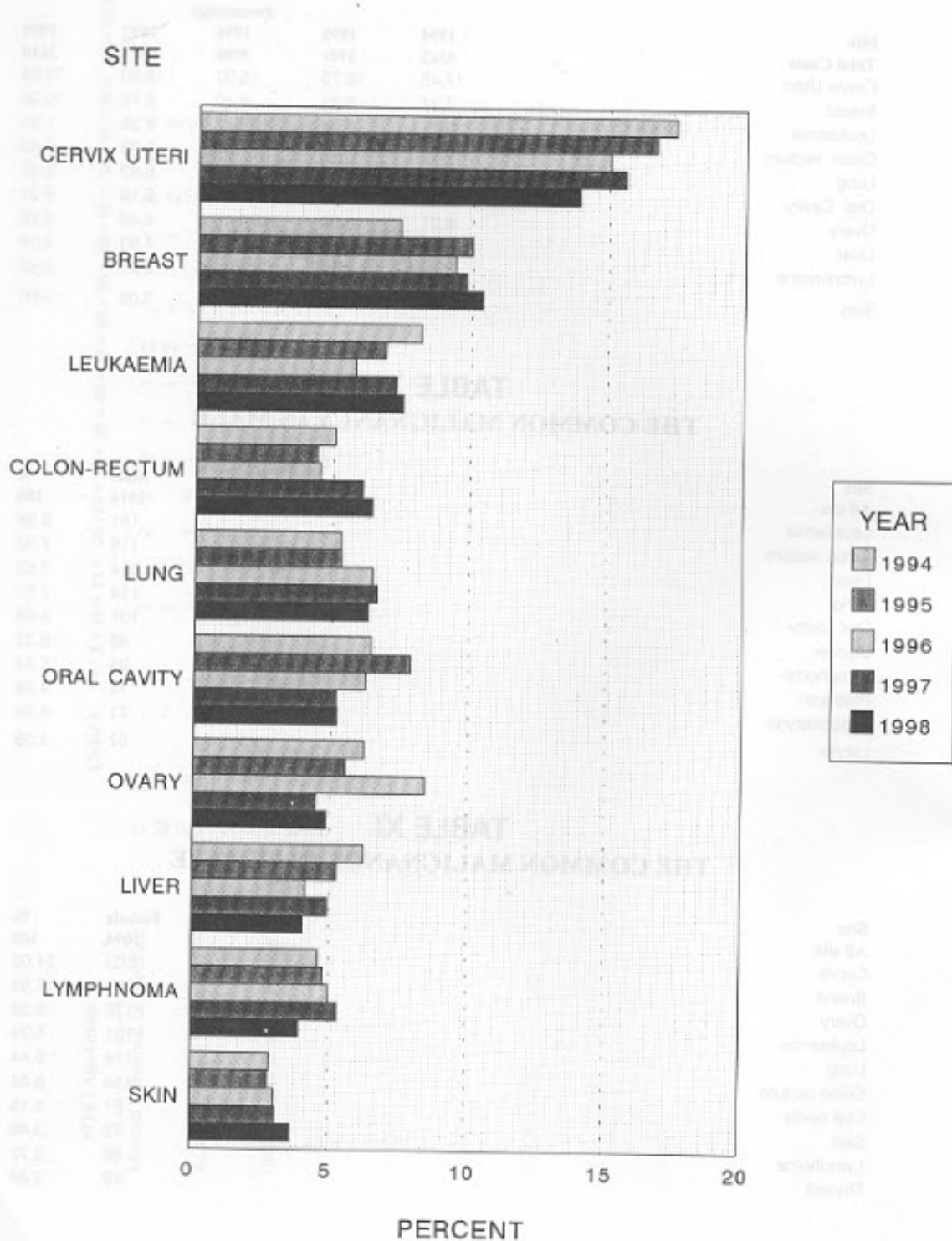


TABLE XII
NUMBER OF CASES OF MALIGNANCY BY PROVINCE

Province	Total	Male	Female
All Province	3610	1516	2094
Angtong	8	4	4
Bangkok	819	292	527
Buriram	16	8	8
Chantaburi	14	6	8
Chachoengsao	12	6	6
Chayaphum	10	5	5
Chainat	9	4	5
Chiengmai	3	2	1
Chiengrai	8	1	7
Chonburi	15	4	11
Chumphon	17	7	10
Kalasin	5	0	5
Kampaengphet	14	7	7
Kanchanaburi	90	35	55
Khonkaen	5	2	3
Krabi	5	3	2
Lampang	7	3	4
Loei	2	1	1
Lopburi	13	0	13
Lumphun	2	1	1
Mahasarakham	8	3	5
Nakornayok	9	3	6
Nakornphatom	142	50	92
Nakornphanom	5	3	2
Nakornsawan	38	10	28
Korat	20	8	12
Nakornsithamarat	19	8	11
Nan	2	1	1
Narathiwat	2	1	1
Nonthaburi	114	42	72
Nongkhai	11	7	4
Pathumthani	22	7	15
Pathani	1	1	0
Pang Nga	5	3	2
Phattalung	2	1	1
Phetburi	52	19	33
Phetchabun	23	4	19
Phuket	4	3	1
Phrae	3	2	1
Pichit	29	16	13
Pisnulok	20	5	15
Prachinburi	13	4	9
Prachuab	33	15	18
Ayuthaya	43	18	25
Payao	4	1	3
Rajburi	134	48	86
Ranong	3	1	2
Rayong	11	4	7

Province	Total	Male	Female
Roi et	21	7	14
Samutprakan	68	28	40
Samutsakhorn	120	36	84
Samutsongkram	31	11	20
Sakonakhorn	10	1	9
Saraburi	26	7	19
Singburi	7	6	1
Songkhla	8	2	6
Srisaket	19	7	12
Sukhothai	8	3	5
Suphanburi	88	38	50
Surathani	16	8	8
Surin	22	10	12
Tak	11	2	9
Trat	5	3	2
Trang	4	0	4
Ubon	8	6	2
Udonthani	6	3	3
Uthaitani	1	0	1
Utharadit	6	2	4
Yala	1	0	1
Yasothon	8	2	6
Mukdaharn	4	1	3
Sakaew	13	4	9
Amnatjarem	4	2	2
Nongbualampoo	4	1	3

TABLE XIII
THE NUMBER OF CASES OF MALIGNANCY BY OCCUPATION

Occupation	North	N-East	Central	South	Total
Farmer	1	8	12	1	22
Fishery	0	0	0	1	1
Housewife	31	40	692	24	787
Mercantile	8	14	195	11	228
Official	14	13	153	9	189
Plantation	28	68	168	20	284
Priest	3	0	23	0	26
Worker	27	76	605	18	726
Unoccupy	16	15	101	8	140
Not record	0	0	6	0	6
Total	128	234	1955	92	2409

Not record both occupation and province 1201

PERCENT

TABLE XIV
MALIGNANT LYMPHOMA BY SITE

Site	Total	Male	Female
All sites	181	100	81
Tongue	2	1	1
Floor of mouth	1	0	1
Palate	2	1	1
Mouth unspecify	2	1	1
Tonsil	6	1	5
Nasopharynx	6	4	2
Stomach	2	0	2
Large bowel	2	1	1
Accessory sinus	3	1	2
Skin	5	2	3
Eye and adnexa	2	0	2
Brain	3	3	0
Thyroid	1	0	1
Lymph node	141	83	58

TABLE XV
MALIGNANT LYMPHOMA BY AGE

Age	Total		Male		Female	
	n	%	n	%	n	%
All Age	181	100.00	100	100.00	81	100.00
Unknown	2	1.10	1	1.00	1	1.23
1+	8	4.42	5	5.00	3	3.70
5+	2	1.10	2	2.00	0	0.00
10+	6	3.31	5	5.00	1	1.23
15+	4	2.21	2	2.00	2	2.47
20+	6	3.31	4	4.00	2	2.47
25+	8	4.42	6	6.00	2	2.47
30+	7	3.87	4	4.00	3	3.70
35+	20	11.05	8	8.00	12	14.81
40+	13	7.18	6	6.00	7	8.64
45+	17	9.39	8	8.00	9	11.11
50+	10	5.52	7	7.00	3	3.70
55+	14	7.73	7	7.00	7	8.64
60+	21	11.60	14	14.00	7	8.64
65+	16	8.84	6	6.00	10	12.35
70+	15	8.29	7	7.00	8	9.88
75+	7	3.87	5	5.00	2	2.47
80+	3	1.66	2	2.00	1	1.23
85+	2	1.10	1	1.00	1	1.23
90+	0	0.00	0	0.00	0	0.00
95+	0	0.00	0	0.00	0	0.00

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"	V. SRIMUNINNIMIT	
"	C. NUALYONG	
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