

TUMOUR REGISTRY

CANCER INSTITUTE SIRIRAJ HOSPITAL



STATISTICAL REPORT

1979

FACULTY OF MEDICINE SIRIRAJ HOSPITAL

MAHIDOL UNIVERSITY

Introduction

TUMOUR REGISTRY

CANCER INSTITUTE SIRIRAJ HOSPITAL

Statistics on the incidence of cancer in Thailand is very limited. There were some attempts to document this work during the 1960-1970. The subsequent cancer report was begun by Siriraj and continued up to the present time.

The classification of cancers in this report has followed the earlier system of WHO and ICD. This report is the first to have a complete national register.

This report covers all cancer cases registered from 1970-1979. 20% of all new patients by service hospital are registered. The following is a summary of cancer cases for reflected the registration.

The site listed in the following table shows the proportion of the total cancer cases. The highest rate of cancer cases in Thailand are found in the following sites: breast, lung, stomach, liver and rectum. We believe that the statistics reflect the actual incidence of cancer in Thailand and the actual distribution as well as the actual prognosis.

STATISTICAL REPORT

On behalf of the Statistical Department, Faculty of Medicine Siriraj Hospital, Bangkok, we express our gratitude to all those concerned and the staff of the Tumor Registry for their high work and effort.

1979



FACULTY OF MEDICINE SIRIRAJ HOSPITAL

MAHIDOL UNIVERSITY

1979
TABLE I

Introduction

The cancer patients who about 9.35% could done pathologic

This is the 1979 annual report of the Tumor Registry of Siriraj Hospital Cancer Institute which is the thirteenth report, since the first one in 1960. There were some reasons to interrupt this work during the 1962-1968. The subsequent annual report was begun in 1969 and continued up to the present time.

The classification of cancer in this report has followed the coding system of WHO as usual in order to be comparable to those preceding annual reports.

The total number of new cancer patients in 1979 was 3369, 1.35% of all new patients in Siriraj Hospital. The histological proof of 95.19% of cancer cases has reflected the promptness of pathologists.

The ten leading sites for malignant tumours are still the same organs as shown in the preceding annual cancer statistics, i.e. cervix uteri 21.22%, oral cavity 9.62%, breast 6.64%, liver 6.29%, lung 5.04%, nasopharynx 4.45%, skin 4.19%, leukemia 4.16%, esophagus 3.15% and larynx 3.09%. The common cancer sites in female are cervix uteri, breast, oral cavity, skin, leukemia, nasopharynx, liver and lung, whereas in the male are liver, lung, oral cavity, nasopharynx, leukemia, esophagus, skin and larynx respectively. We hope that this statistical report of 1979 may be useful to clinicians, oncologists as well as epidemiologists.

On behalf of the Executive Committee of Siriraj Hospital Cancer Institute, I would like to express our gratitude to all clinicians concerned and the staff of the Tumor Registry for their high responsibility to succeed this report.

Nivat Chantarakul

Nivat Chantarakul, M.D.

Chairman

Executive Committee Cancer Institute

Siriraj Hospital

Faculty of Medicine, Mahidol University

Bangkok 7, Thailand

1979
TABLE I

NUMBER OF PATIENTS

Type of Patient	No. of Cases
Total No. of Patients at O.P.D.	977,446
Total No. of New Patients	249,523
Total No. of New Malignancies	3,369

The cancer patients are about 1.35% of all new patients

TABLE II

DIAGNOSIS

Diagnosed by	Number	Percentage
Histological proof	3,207	95.19
Clinical & X-ray	162	4.81
Total	3,369	100.00

TABLE III

NUMBER OF MALIGNANT NEOPLASM BY AGE AND SEX

Age-group	No. of Cases			%
	M	F	TOTAL	
Under 1	4	3	7	0.21
1+	25	19	48	1.42
5+	30	15	45	1.33
10+	13	8	21	0.62
15+	28	23	51	1.51
20+	24	40	64	1.90
25+	30	73	103	3.05
30+	38	114	152	4.51
35+	66	153	219	6.50
40+	102	224	326	9.67
45+	133	244	377	11.19
50+	155	259	414	12.29
55+	188	168	356	10.56
60+	182	177	359	10.65
65+	165	136	301	8.93
70+	146	108	254	7.54
75+	87	69	156	4.63
80+	39	33	72	2.14
85+	9	16	25	0.74
90+	4	6	10	0.29
Unknown	7	6	13	0.38

TABLE IV**PRIMARY SITE**

Code	Site Grand Total	No. of Cases			
		M	F	TOTAL	%
including over the 300 ICD codes and resulting counts off					
140-149	Malig. Neoplasm of Buccal Cavity & Pharynx	332	262	594	17.63
140.0	Upper Lips	-	1	1	0.03
140.1	Lower Lips	3	50	53	1.57
140.9	Lip unspecified	3	6	9	0.27
141.0	Base of tongue	3	2	5	0.15
141.9	Tongue, unspecified	54	33	87	2.58
142.0	Parotid gland	2	3	5	0.15
142.1	Submandibular gland	1	1	2	0.06
142.9	Salivary gland, site unspecified	2	3	5	0.15
143.0	Upper gum	2	-	2	0.06
143.1	Lower gum	2	1	3	0.09
143.8	Gingiva	-	2	2	0.06
143.9	Gum, unspecified	13	17	30	0.89
144.9	Floor of mouth, part unspecified	4	2	6	0.18
145.0	Buccal mucosa	26	58	84	2.49
145.2	Hard palate	4	2	6	0.18
145.3	Soft palate	11	1	12	0.36
145.4	Uvula	-	1	1	0.03
145.5	Palate, unspecified	4	3	7	0.21
145.9	Mouth, unspecified	3	2	5	0.15
146.0	Tonsil	39	14	53	1.57
146.3	Vallecula	1	-	1	0.03
146.9	Oropharynx, unspecified	4	1	5	0.15
147.9	Nasopharynx, unspecified	100	50	150	4.45
148.1	Pyriform fossa	25	6	31	0.92
148.2	Aryepiglottic fold	1	-	1	0.03
148.9	Hypopharynx, unspecified	15	1	16	0.47
149.0	Pharynx, unspecified	9	1	10	0.29
149.9	Other ill-defined within the oral cavity	1	1	2	0.06
150-159	Malig. Neoplasm of Digestive Organs and Peritoneum	389	168	557	16.53
150.9	Oesophagus, unspecified	77	29	106	3.15
151.1	Pylorus	-	1	1	0.03
151.2	Pyloric antrum	-	1	1	0.03
151.9	Stomach, unspecified	55	27	82	2.43
152.0	Duodenum	1	-	1	0.03
152.2	Ileum	-	1	1	0.03
152.9	Small intestine, unspecified	1	1	2	0.06
153.3	Sigmoid colon	6	7	13	0.38
153.4	Caecum	-	4	4	0.12
153.9	Colon, unspecified	21	15	36	1.07
154.1	Rectum	35	29	64	1.90
154.2	Anal canal	-	1	1	0.03
155.0	Liver	173	39	212	6.29
156.0	Gall bladder	3	4	7	0.21
156.1	Common bile duct	8	3	11	0.32
156.2	Ampulla of Vater	-	3	3	0.09
157.0	Head of pancreas	3	2	5	0.15

TABLE V

Code	Site	PATIENTS ACCORDING TO SITE	M	F	TOTAL	%
157.9-159.1						
157.9	Pancreas, part unspecified		4	1	5	0.15
158.0	Retroperitoneum		1	—	1	0.03
159.1	Spleen		—	1	1	0.03
160-164.9						
Malig. Neoplasm of Respiratory System						
160.0	Nasal cavities		5	3	8	0.24
160.1	Middle ear		1	1	2	0.06
160.2	Maxillary sinus		4	5	9	0.27
161.0	Glottis		14	—	14	0.42
161.1	Supraglottis		29	3	32	0.95
161.2	Subglottis		1	—	1	0.03
161.9	Larynx, unspecified		53	4	57	1.69
162.0	Trachea		1	—	1	0.03
162.9	Bronchus & lung, unspecified		137	32	169	5.01
163.9	Pleura, unspecified		1	—	1	0.03
164.2	Anterior mediastinum		—	1	1	0.03
164.9	Mediastinum, part unspecified		—	1	1	0.03
170-174						
Malig. Neoplasm of Bone						
Connective Tissue, Skin & Breast						
170.7	Bone, lower limb		3	—	3	0.09
170.9	Bone, site unspecified		14	7	21	0.62
171.0	Soft tissue, head, face & neck		1	—	1	0.03
171.2	Soft tissue, Upper limb, including shoulder		—	1	1	0.03
171.3	Soft tissue, Lower limb, including hip		1	3	4	0.12
171.7	Soft tissue, Trunk, unspecified		1	1	2	0.06
171.8	Other soft tissue		—	1	1	0.03
171.9	Connective tissue site unspecified		12	8	20	0.59
172.8	Other melanoma of skin		1	—	1	0.03
172.9	Melanoma of skin, site unspecified		3	1	4	0.12
173.0	Skin, lip		—	3	3	0.09
173.1	Skin, eyelid		7	5	12	0.36
173.2	Skin, ear & external canal		2	2	4	0.12
173.3	Skin, unspecified parts of face		13	16	29	0.86
173.4	Skin, scalp, neck		2	5	7	0.21
173.8	Skin, trunk except scrotum		3	3	6	0.18
173.7	Skin, lower limb, including hip		9	3	12	0.36
173.8	Skin, other		4	1	5	0.15
173.9	Skin, site unspecified		27	32	59	1.75
174.9	Breast, unspecified		3	221	224	6.64
179-189						
Malig. Neoplasm of Genito-Urinary Organs						
179	Uterus, part unspecified		—	2	2	0.06
180.9	Cervix unspecified		—	715	715	21.22
181	Choriocarcinoma		—	8	8	0.24
182.0	Corpus uteri		—	30	30	0.89
183.0	Ovary		—	74	74	2.19
183.2	Fallopian tube		—	4	4	0.12
184.0	Vagina		—	6	6	0.18
184.4	Vulva, unspecified		—	12	12	0.36
185	Prostate		28	—	28	0.83
186.9	Testis, unspecified		9	—	9	0.27
187.4	Penis, part unspecified		45	—	45	1.33
188.9	Bladder		57	15	72	2.14
189.0	Kidney		14	7	21	0.62
189.3	Urethra		—	3	3	0.09

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TABLE IV

Code	Site	M	F	TOTAL	%
190.0-199.1 Malig. Neoplasm of other & Unspecified Sites					
190.0	Eyeball	8	6	14	6.42
190.3	Conjunctiva	3	1	4	0.12
190.4	Cornea	1	—	1	0.03
190.9	Eye, unspecified	5	1	6	0.18
191.8	Brain, other	1	—	1	0.03
191.9	Brain, unspecified	15	9	24	0.71
192.2	Spinal cord	—	1	1	0.03
192.9	Nervous system, part unspecified	5	1	6	0.18
193	Thyroid	24	59	83	2.46
194.8	Other endocrine gland	—	1	1	0.03
195.8	Other specified sites of ill-defined	1	—	1	0.03
199.1	Without specification of site	57	55	112	3.32
200.0-209 Neoplasm of Lymphatic & Haematopoietic Tissue					
200.0	Reticulum cell sarcoma	9	13	22	0.65
200.1	Lymphosarcoma	22	9	31	0.92
200.2	Burkitt's tumour	1	1	2	0.06
201.9	Hodgkin's disease	15	10	25	0.74
204.0	Acute Lymphoid leukaemia	33	19	52	1.54
204.1	Chronic lymphoid leukaemia	1	—	1	0.03
205.0	Acute myeloid leukaemia	26	21	47	1.40
205.1	Chronic myeloid leukaemia	10	9	19	0.56
206.0	Acute monocytic leukaemia	2	5	7	0.21
207.0	Acute erythraemia and erythroleukaemia	1	—	1	0.03
208.0	Acute leukaemia, unspecified cell type	9	4	13	0.39

TABLE V

PATHOLOGY ACCORDING TO SITE			
140.0	Malig.	Neoplasm of Upper Lip	1 Cases
		Sq. cell ca.	1 ..
140.1	Malig.	Neoplasm of Lower Lip	53 Cases
		Sq. cell ca.	51 ..
		No histological proof	2 ..
140.9	Malig.	Neoplasm of Lips, Unspecified	9 Cases
		Sq. cell ca.	9 ..
141.0	Malig.	Neoplasm of Base of Tongue	5 Cases
		Sq. cell ca.	5 ..
141.9	Malig.	Neoplasm of Tongue, Unspecified	87 Cases
		Sq. cell ca.	74 ..
		Reticulum cell sarcoma	3 ..
		Adenocystic ca.	1 ..
		Undiff. ca.	1 ..
		No histological proof	8 ..
142.0	Malig.	Neoplasm of Parotid Gland	5 Cases
		Sq. cell ca.	1 ..
		Undiff. ca.	1 ..
		Mucoepidermoid ca.	1 ..
		Adenocystic ca.	1 ..
		No histological proof	1 ..
142.1	Malig.	Neoplasm of Submandibular Gland	2 Cases
		Muco epidermoid ca.	2 ..
142.9	Malig.	Neoplasm of Salivary Gland	5 Cases
		Mucoepidermoid ca.	3 ..
		Adenocarcinoma	2 ..
143.0	Malig.	Neoplasm of Upper Gum	2 Cases
		Sq. cell ca.	1 ..
		Malig. Lymphoma, Reticulum cell type	1 ..
143.1	Malig.	Neoplasm of Lower Gum	3 Cases
		Sq. cell ca.	3 ..
143.8	Malig.	Neoplasm of Gingiva	2 Cases
		Sq. cell ca.	2 ..
143.9	Malig.	Neoplasm of Gum, Unspecified	30 Cases
		Sq. cell ca.	30 ..
144.9	Malig.	Neoplasm of Floor of Mouth	6 Cases
		Sq. cell ca.	5 ..
		No histological proof	1 ..
145.0	Malig.	Neoplasm of Buccal Mucosa	84 Cases
		Sq. cell ca.	82 ..
		No histological proof	2 ..
145.2	Malig.	Neoplasm of Hard Palate	6 Cases
		Sq. cell ca.	6 ..
145.3	Malig.	Neoplasm of Soft Palate	12 Cases
		Sq. cell ca.	8 ..
		Undiff. ca.	3 ..
		Adenocarcinoma	1 ..
145.4	Malig.	Neoplasm of Uvula	1 Cases
		Reticulum cell sarcoma	1 ..
145.5	Malig.	Neoplasm of Palate, Unspecified	7 Cases
		Sq. cell ca.	6 ..
		Undiff. ca.	1 ..
145.9	Malig.	Neoplasm of Mouth, Unspecified	5 Cases
		Sq. cell ca.	5 ..
146.0	Malig.	Neoplasm of Tonsil	53 Cases
		Sq. cell ca.	36 ..
		Undiff. ca.	7 ..
		Reticulum cell sarcoma	7 ..
		Malig. lymphoma, lymphocytic type	2 ..
		Hodgkin's disease	1 ..

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146.3	Malig.	Neoplasm of Vallecula	1	Cases
		Sq. cell ca.	1	"
146.9	Malig.	Neoplasm of Oropharynx, Unspecified	5	Cases
		Sq. cell ca.	4	"
		Fibrosarcoma	1	"
147.9	Malig.	Neoplasm of Nasopharynx, Unspecified	150	Cases
		Undiff. ca.	72	"
		Sq. cell ca.	70	"
		Reticulum cell sarcoma	2	"
		Malig. lymphoma, lymphoblastic type	1	"
		No histological proof	5	"
148.1	Malig. ³	Neoplasm of Pyriform fossa	31	Cases
		Sq. cell ca.	30	"
		Undiff. ca.	1	"
148.2	Malig.	Neoplasm of Aryepiglottic fold	1	Cases
		Sq. cell ca.	1	"
148.9	Malig.	Neoplasm of Hypopharynx, Unspecified	16	Cases
		Sq. cell ca.	15	"
		Undiff. ca.	1	"
149.0	Malig.	Neoplasm of Pharynx, Unspecified	10	Cases
		Sq. cell ca.	10	"
149.9	Malig.	Neoplasm of Other & Ill-Defined Sites within the Lip, Oral Cavity& Pharynx	2	Cases
		Sq. cell ca.	1	"
		Reticulum cell sarcoma	1	"
150.9	Malig.	Neoplasm of Oesophagus, Unspecified	106	Cases
		Sq. cell ca.	85	"
		Adenocarcinoma	10	"
		Undiff. ca.	5	"
		No histological proof	6	"
151.1	Malig.	Neoplasm of Pylorus	1	Cases
		Adenocarcinoma	1	"
151.2	Malig.	Neoplasm of Pyloric Antrum	1	Cases
		Mucinous ca.	1	"
151.9	Malig.	Neoplasm of Stomach, Unspecified	82	Cases
		Adenocarcinoma	63	"
		Mucinous ca.	7	"
		Signet ring cell ca.	2	"
		Undiff. ca.	1	"
		Reticulum cell sarcoma	1	"
		Malig. lymphoma, lymphoblastic type	1	"
		No histological proof	7	"
152.0	Malig.	Neoplasm of Duodenum	1	Cases
		Adenocarcinoma	1	"
152.2	Malig.	Neoplasm of Ileum	1	Cases
		Adenocarcinoma	1	"
152.9	Malig.	Neoplasm of Small Intestine, Unspecified	2	Cases
		Adenocarcinoma	1	"
		Lemiosarcoma	1	"
153.3	Malig.	Neoplasm of Sigmoid Colon	13	Cases
		Adenocarcinoma	12	"
		Sq. cell ca.	1	"
153.4	Malig.	Neoplasm of Caecum	4	Cases
		Adenocarcinoma	3	"
		Mucinous ca.	1	"
153.9	Malig.	Neoplasm of Colon, Unspecified	36	Cases
		Adenocarcinoma	33	"
		No histological proof	3	"
154.1	Malig.	Neoplasm of Rectum	64	Cases
		Adenocarcinoma	53	"
		Mucinous ca.	3	"
		Sq. cell ca.	2	"

			Reticulum cell sarcoma		1	Cases	
			Signet ring cell ca.		1	"	
			Undiff. ca.		1	"	
			No histological proof		3	"	
154.2	Malig.		Neoplasm of Anal Canal		1	Cases	
			Adenocarcinoma		1	"	
155.0	Malig.		Neoplasm of Liver		212	Cases	
			Hepatocellular ca.		105	"	
			Adenocarcinoma		39	"	
			Cholangiocarcinoma		7	"	
			Undiff. ca.		6	"	
			Angiosarcoma		1	"	
			No histological proof		54	"	
156.0	Malig.		Neoplasm of Gall Bladder		7	Cases	
			Adenocarcinoma		6	"	
			Undiff. ca.		1	"	
156.1	Malig.		Neoplasm of Common Bile Duct		11	Cases	
			Adenocarcinoma		10	"	
			No histological proof		1	"	
156.2	Malig.		Neoplasm of Ampulla of Vater		3	Cases	
			Adenocarcinoma		3	"	
157.0	Malig.		Neoplasm of Head Pancreas		5	Cases	
			Adenocarcinoma		5	"	
157.9	Malig.		Neoplasm of Pancreas, Part Unspecified		5	Cases	
			Adenocarcinoma		2	"	
			Cystadenocarcinoma		1	"	
			Undiff. ca.		1	"	
			No histological proof		1	"	
158.0	Malig.		Neoplasm of Retroperitoneum		1	Cases	
			Liposarcoma		1	"	
159.1	Malig.		Neoplasm of Spleen		1	Cases	
			Hodgkin's disease		1	"	
160.0	Malig.		Neoplasm of Nasal Cavities		8	Cases	
			Undiff. ca.		4	"	
			Sq. cell ca.		2	"	
			Adenocystic ca.		1	"	
			Ca. in situ		1	"	
160.1	Malig.		Neoplasm of Middle Ear		2	Cases	
			Sq. cell ca.		2	"	
160.2	Malig.		Neoplasm of Maxillary Sinus		9	Cases	
			Sq. cell ca.		4	"	
			Undiff. ca.		3	"	
			Reticulum cell sarcoma		1	"	
			No histological proof		1	"	
161.0	Malig.		Neoplasm of Glottis		14	Cases	
			Sq. cell ca.		14	"	
161.1	Malig.		Neoplasm of Supraglottis		32	Cases	
			Sq. cell ca.		32	"	
161.2	Malig.		Neoplasm of Subglottis		1	Cases	
			Undiff. ca.		1	"	
161.9	Malig.		Neoplasm of Larynx, Unspecified		57	Cases	
			Sq. cell ca.		54	"	
			Adenocarcinoma		1	"	
			Undiff. ca.		1	"	
			No histological proof		1	"	
162.0	Malig.		Neoplasm of Trachea		1	Cases	
			Sq. cell ca.		1	"	
162.9	Malig.		Neoplasm of Bronchus & Lung, Unspecified		169	Cases	
			Undiff. ca.		57	"	
			Adenocarcinoma		43	"	
			Sq. cell ca.		36	"	
			Alveolar cell ca.		4	"	
			Clear cell ca.		1	"	

				Cases
163.9	Malig.	Malig. fibrous histiocytoma No histological proof	1 26	Cases "
164.2	Malig.	Neoplasm of Pleura Malig. mesothelioma	1 1	Cases "
164.9	Malig.	Neoplasm of Anterior Mediastinum Reticulum cell sarcoma	1 1	Cases "
170.7	Malig.	Neoplasm of Bone, Lower Limb Osteosarcoma	3 3	Cases "
170.9	Malig.	Neoplasm of Bone, Site Unspecified Osteosarcoma Ewing's sarcoma Chondrosarcoma	21 17 2 1	Cases " " "
171.0	Malig.	Neoplasm of Soft tissue, Head, Face & Neck Malig. Hemangiopericytoma	1 1	Cases "
171.2	Malig.	Neoplasm of Soft tissue, Upper Limb, including Shoulder Reticulum cell sarcoma	1 1	Cases "
171.3	Malig.	Neoplasm of Soft tissue, Lower Limb, including Hip Fibrosarcoma Angiosarcoma Malig. fibrous histiocytoma Neurofibrosarcoma	4 1 1 1	Cases " " "
171.7	Malig.	Neoplasm of Soft tissue, Trunk, Unspecified Dermatofibrosarcoma protuberans Embryonal rhabdomyosarcoma	2 1 1	Cases " "
171.8	Malig.	Neoplasm of Soft Tissue, Other Malig. Hemangiopericytoma	1 1	Cases "
171.9	Malig.	Neoplasm of Soft Tissue, Site Unspecified Reticulum cell sarcoma Leiomyosarcoma Malig. fibrous histiocytoma Embryonal Rhabdomyosarcoma Synovial sarcoma Malig. Lymphoma, lymphocytic type Ganglioneuroblastoma	20 5 3 3 3 2 1	Cases " " " " " " "
172.8	Malig.	Neoplasm of Other Melanoma of Skin Malig. melanoma	1 1	Cases "
172.9	Malig.	Neoplasm of Melanoma of Skin, Site Unspecified Malig. Melanoma	4 4	Cases "
173.0	Malig.	Neoplasm of Skin, Lips Basal cell ca.	3 3	Cases "
173.1	Malig.	Neoplasm of Skin, Eyelid Basal cell ca. Sebaceous ca.	12 9 3	Cases " "
173.2	Malig.	Neoplasm of Skin, Ear & External Canal Sq. cell ca. Basal cell ca.	4 3 1	Cases " "
173.3	Malig.	Neoplasm of Skin, Unspecified Parts of Face Basal cell ca. Sq. cell ca.	29 23 6	Cases " "
173.4	Malig.	Neoplasm of Skin, Scalp, & Neck Sq. cell ca. Basal cell ca.	7 5 2	Cases " "
173.6	Malig.	Neoplasm of Skin, Trunk except Scrotum Sq. cell ca. Extramammary paget's disease	6 5 1	Cases " "
173.7	Malig.	Neoplasm of Skin, Lower Limb including Hip Sq. cell ca. Basal cell ca.	12 10 2	Cases " "

173.8	Malig.	Neoplasm of Skin, Other	not otherwise specified	5	Cases	
		Sq. cell ca.	not otherwise specified	5	"	
173.9	Malig.	Neoplasm of Skin, Site Unspecified	not otherwise specified	59	Cases	
		Basal cell ca.	not otherwise specified	42	"	
		Sq. cell ca.	not otherwise specified	16	"	
		Sweat gland ca.	not otherwise specified	1	"	
174.9	Malig.	Neoplasm of Breast	not otherwise specified	224	Cases	
		Infiltrating ductal ca.	not otherwise specified	190	"	
		Mucinous ca.	not otherwise specified	4	"	
		Sq. cell ca.	not otherwise specified	3	"	
		Non invasive ductal ca.	not otherwise specified	2	"	
		Infiltrating lobular ca.	not otherwise specified	2	"	
		Malig. Hemangiopericytoma	not otherwise specified	1	"	
		No histological proof	not otherwise specified	22	"	
179	Malig.	Neoplasm of Uterus, Part Unspecified	not otherwise specified	2	Cases	
		Adenocarcinoma	not otherwise specified	1	"	
		Leiomyosarcoma	not otherwise specified	1	"	
180.9	Malig.	Neoplasm of Cervix, Unspecified	not otherwise specified	715	Cases	
		Sq. cell ca.	not otherwise specified	602	"	
		Adenocarcinoma	not otherwise specified	63	"	
		Ca. in situ	not otherwise specified	34	"	
		Undiff. ca.	not otherwise specified	2	"	
		Mesonephric ca.	not otherwise specified	1	"	
		Leiomyosarcoma	not otherwise specified	1	"	
		No histological proof	not otherwise specified	12	"	
181	Malig.	Neoplasm of Placenta	not otherwise specified	8	Cases	
		Choriocarcinoma	not otherwise specified	8	"	
182.0	Malig.	Neoplasm of Corpus	not otherwise specified	30	Cases	
		Adenocarcinoma	not otherwise specified	26	"	
		Sq. cell ca.	not otherwise specified	3	"	
		Endometrial stromal sarcoma	not otherwise specified	1	"	
183.0	Malig.	Neoplasm of Ovary	not otherwise specified	74	Cases	
		Cystadenocarcinoma	not otherwise specified	32	"	
		Adenocarcinoma	not otherwise specified	24	"	
		Granular cell ca.	not otherwise specified	5	"	
		Embryonal cell ca.	not otherwise specified	4	"	
		Dysgerminoma	not otherwise specified	3	"	
		Endometrioid ca.	not otherwise specified	2	"	
		Sq. cell ca.	not otherwise specified	1	"	
		Clear cell ca.	not otherwise specified	1	"	
		Papillary ca.	not otherwise specified	1	"	
		Malig. struma	not otherwise specified	1	"	
183.2	Malig.	Neoplasm of Fallopian Tube	not otherwise specified	4	Cases	
		Adenocarcinoma	not otherwise specified	3	"	
		Papillary ca.	not otherwise specified	1	"	
184.0	Malig.	Neoplasm of Vagina	not otherwise specified	6	Cases	
		Sq. cell ca.	not otherwise specified	4	"	
		Adenocarcinoma	not otherwise specified	2	"	
184.4	Malig.	Neoplasm of Vulva	not otherwise specified	12	Cases	
		Sq. cell ca.	not otherwise specified	10	"	
		Adenocarcinoma	not otherwise specified	1	"	
		No histological proof	not otherwise specified	1	"	
185	Malig.	Neoplasm of Prostate	not otherwise specified	28	Cases	
		Adenocarcinoma	not otherwise specified	27	"	
		Undiff. ca.	not otherwise specified	1	"	
186.9	Malig.	Neoplasm of Testis	not otherwise specified	9	Cases	
		Seminoma	not otherwise specified	4	"	
		Embryonal cell ca.	not otherwise specified	2	"	
		Adenocarcinoma	not otherwise specified	1	"	
		Malig. lymphoma, lymphoblastic type	not otherwise specified	1	"	
		Teratocarcinoma	not otherwise specified	1	"	

187.4	Malig.	Neoplasm of Penis , Part Unspecified	45	Cases
		Sq. cell ca.	43	"
		No histological proof	2	"
188.9	Malig.	Neoplasm of Bladder, Site Unspecified	72	Cases
		Transitional cell ca.	59	"
		Adenocarcinoma	10	"
		Sq. cell ca.	2	"
		No histological proof	1	"
189.0	Malig.	Neoplasm of Kidney	21	Cases
		Transitional cell ca.	11	"
		Renal cell ca.	8	"
		Sq. cell ca.	2	"
189.3	Malig.	Neoplasm of Urethra	3	Cases
		Adenocarcinoma	2	"
		Malig. histiocytoma	1	"
190.0	Malig.	Neoplasm of Eyeball	14	Cases
		Retinoblastoma	14	"
190.3	Malig.	Neoplasm of Conjunctiva	4	Cases
		Sq. cell ca.	4	"
190.4	Malig.	Neoplasm of Cornea	1	Cases
		Ca. in situ	1	"
190.9	Malig.	Neoplasm of Eye, Parts Unspecified	6	Cases
		Sq. cell ca.	5	"
		Leiomyosarcoma	1	"
191.8	Malig.	Neoplasm of Brain, Other Parts	1	Cases
		Astrocytoma	1	"
191.9	Malig.	Neoplasm of Brain, Parts Unspecified	24	Cases
		Astrocytoma	9	"
		Meningioma	5	"
		Glioblastoma	3	"
		Medulloblastoma	2	"
		Ependymoma	2	"
		Oligodendrogioma	1	"
		Craniopharyngioma	1	"
		No histological proof	1	"
192.2	Malig.	Neoplasm of Spinal Cord	1	Cases
		Astrocytoma	1	"
192.9	Malig.	Neoplasm of Nervous system, Part Unspecified	6	Cases
		Neuroblastoma	6	"
193	Malig.	Neoplasm of Thyroid	83	Cases
		Papillary ca.	37	"
		Follicular ca.	27	"
		Undiff. ca.	15	"
		Sq. cell ca.	1	"
		Medullary ca.	1	"
		No histological proof	2	"
194.8	Malig.	Neoplasm of Other Endocrine Gland	1	Cases
		Neuroblastoma	1	"
195.8	Malig.	Neoplasm of Other and Ill-Defined Sites	1	Cases
		Adenocarcinoma	1	"
199.1	Malig.	Neoplasm without Specification of Sites	112	Cases
		Adenocarcinoma	59	"
		Sq. cell ca.	24	"
		Undiff. ca.	21	"
		Mucin producing ca.	8	"
200.0		Reticulosarcoma	22	Cases
		Reticulum cell sarcoma	22	"
200.1		Lymphosarcoma	31	Cases
		Malig. lymphoma, lymphocytic type	22	"
		Malig. lymphoma, lymphoblastic type	8	"
		Malig. lymphoma, histiocytic type	1	"

TABLE V

			Cases
200.2	Burkitt's tumour	2	Cases
	Burkitt's lymphoma	2	"
201.9	Hodgkin's Disease, Unspecified	25	Cases
	Hodgkin's disease	25	"
204.0	Acute Lymphoid Leukaemia	52	Cases
204.1	Chronic Lymphoid Leukaemia	1	Cases
205.0	Acute Myeloid Leukaemia	47	Cases
205.1	Chronic Myeloid Leukaemia	19	Cases
206.0	Acute Monocytic Leukaemia	7	Cases
207.0	Acute erythraemia & erythroleukaemia	1	Cases
208.0	Acute Leukaemia	13	Cases

TABLE VI

THE 10 LEADING SITES

Site	All Sites	No. of Cases		
		M	F	TOTAL
Cervix Uteri	—	715	715	21.22
Oral cavity (not including Pharynx)	136	188	324	9.62
Breast	3	221	224	6.64
Liver	173	39	212	6.29
Trachea, Bronchus & Lungs	138	32	170	5.04
Nasopharynx	100	50	150	4.45
Skin	71	71	142	4.22
Leukaemia	82	58	140	4.16
Oesophagus	77	29	106	3.15
Larynx	97	7	104	3.09

TABLE VII

	MALIGNANT	NEOPLASM IN CHILDHOOD								
Site	Age-Group	No. of Cases			1+		5+		10+	
		TOTAL	M	F	M	F	M	F	M	F
142.0	Parotid gland	1	—	1	—	—	—	—	—	1
142.1	Submandibular gland	1	—	1	—	—	—	—	—	1
147.9	Nasopharynx	1	—	1	—	—	—	—	—	1
155.0	Liver	1	—	1	—	—	—	—	—	1
159.1	Spleen	1	1	—	—	—	—	—	—	—
160.1	Middle ear	1	1	—	—	1	—	—	—	—
170.9	Bone, unspecified	4	4	—	—	—	—	—	4	—
171.3	Soft tissue, Lower limb, including hip	2	1	1	—	—	—	1	—	1
171.9	Soft tissue, site unspecified	4	4	—	—	1	—	3	—	—
183.0	Ovary	2	—	2	—	—	—	—	2	—
186.9	Testis	3	3	—	—	2	—	—	1	—
189.0	Kidney	7	3	4	—	1	3	2	1	—
190.0	Eyeball	11	6	5	—	5	4	1	1	—
190.9	Eye, unspecified	2	1	1	—	1	1	—	—	—
191.8	Brain, Other	1	1	—	—	—	—	—	1	—
191.9	Brain, unspecified	6	5	1	—	1	—	4	1	—
192.9	Nervous system, part unspecified (Neuroblastoma)	6	5	1	—	2	1	3	—	—
193.	Thyroid	2	—	2	—	—	—	—	—	2
194.8	Other endocrine gland	1	—	1	—	—	1	—	—	—
199.1	Unspecified site	2	—	2	—	—	—	—	—	2
200.0	Reticulum cell sarcoma	2	—	2	—	—	1	—	1	—
200.1	Lymphosarcoma	4	4	—	—	1	—	—	3	—
200.2	Burkitt's lymphoma	2	1	1	—	—	1	1	—	—
201.9	Hodgkin's disease	2	2	—	—	—	—	2	—	—
204.0	Acute lymphoid leukaemia	31	19	12	8	5	11	5	—	2
205.0	Acute myeloid leukaemia	7	4	3	1	2	1	1	2	—
205.1	Chronic myeloid leukaemia	1	1	—	—	—	—	—	1	—
207.0	Acute erythroaemia	1	1	—	—	1	—	—	—	—
208.0	Acute leukaemia	1	1	—	—	—	—	—	1	—

TABLE VIII

PRIMARY SITES AS TO AGE AND SEX

SITE	AGE-GROUP	PERCENTAGE OF TOTAL																					
		Under 1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+		
	GRAND TOTAL	3,369	7	44	45	21	51	64	103	152	219	326	377	414	356	359	301	254	156	72	25	10	13
	MALE	1,475	4	25	30	13	28	24	30	38	66	102	133	155	188	182	165	146	87	39	9	4	7
	FEMALE	1,894	3	19	15	8	23	40	73	114	153	224	246	259	168	177	136	108	69	33	16	6	6
(Malignant Neoplasm of Buccal Cavity & Pharynx)																							
Upper lip	T	1	M	—														1					
Lower lip	T	53	F	50														—					
Lip, unspecified	T	9	M	3														1	10	9	5	5	1
Base of Tongue	T	5	M	3														8	4	4	1	1	1
Tongue, unspecified	T	87	F	2														1	1	1	1	1	1
Parotid gland	T	5	M	2														1	1	1	1	1	1
Submandibular gland	T	2	M	1														1	1	1	1	1	1
	F	1		—														—					

SITE	AGE-GROUP	Under																			
		1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+
Ileum	T	1									1										
	M	—									1										
	F	1									1										
Small intestine, unspecified	T	2									1							1			
	M	1									1							—			
	F	1									—							1			
Sigmoid colon	T	13								1	2	1	3	4				1	1		
	M	6								1	—	1	2	2				—	1	1	
	F	7								1	2	—	1	2				1	—		
Caecum	T	4							1				1	2							
	M	—							—				—	—							
	F	4							1				1	2							
Colon, unspecified	T	36							1	1	6	2	4	2	1	9	1	6	3		
	M	21							1	1	2	1	3	—	1	4	1	5	2		
	F	15							—	—	4	1	1	2	—	5	—	1	1		
Rectum	T	64							1	1	2	5	4	7	5	8	4	9	4	5	1
	M	35							1	—	1	3	1	7	3	5	2	5	4	1	1
	F	29							—	1	1	2	3	—	2	3	2	5	3	4	—
Anal canal	T	1																	1		
	M	—																	—		
	F	1																	1		
Liver	T	212	1	1		1	1	2	8	15	30	26	31	33	25	20	11	4		3	
	M	173	—	—		1	1	1	7	13	25	20	28	30	17	15	9	3		3	
	F	39	1	1		—	—	1	1	2	5	6	3	3	8	5	2	1		—	
Gall bladder	T	7											3	1	—			2	2	2	
	M	3											2	—	—			1	1		
	F	4											1	1	1			1			

SITE	AGE-GROUP	Under 1																		
		1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+ Unknown
Pistula, unspecified	T	2																		
M	2																			
F	—																			
Anterior, midclavicular	T	1																		
M	—																			
F	—																			
Mediastinum, part	T																			
unspecified	M																			
Lower limb	F	1																		
M	3																			
F	—																			
Bone, site unspecified	T	1																		
M	14																			
F	7																			
Head, face & neck	T	1																		
M	—																			
F	—																			
Upper limb, including shoulder	T	—																		
M	—																			
F	1																			
Lower limb, including hip	T	4																		
M	1																			
F	3																			

SITE	AGE-GROUP	Under 1 1+ 5+ 10+ 15+ 20+ 25+ 30+ 35+ 40+ 45+ 50+ 55+ 60+ 65+ 70+ 75+ 80+ 85+ 90+ Unknown																			
		1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+
Trunk, unspecified																					
T	2																				
M	1																				
F	1																				
Other soft tissue	T	1																			
M	—																				
F	1																				
Connective tissue site																					
unspecified	T	20																			
M	12																				
F	8																				
Other melanoma of skin																					
T	1																				
M	1																				
F	—																				
Melanoma of skin, site																					
unspecified	T	4	1																		
M	3		1																		
F	1		—																		
Skin, lips	T	3																			
M	—																				
F	3																				
Skin, eyelid	T	11																			
M	6																				
F	5																				
Skin, ear & external																					
canal	T	4																			
M	2																				
F	2																				

SITE	AGE-GROUP	N																			
		Under 1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+
Cervix	T 715																				
	M —																				
	F 715																				
Placenta	T 8																				
	M —																				
	F 8																				
Corpus uteri	T 30																				
	M —																				
	F 30																				
Ovary	T 30																				
	M —																				
	F 30																				
Fallopian tube	T 4																				
	M —																				
	F 4																				
Vagina	T 6																				
	M —																				
	F 6																				
Vulva	T 12																				
	M —																				
	F 12																				
Prostate	T 28																				
	M 28																				
	F —																				
Testis, unspecified	T 9																				
	M 9																				
	F —																				
Penis	T 45																				
	M 45																				
	F —																				

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+	Unknown
Spinal cord	T	1							1													
	M	—							—													
	F	1																				
Nervous system, part unspecified	T	6	3	3	2	3	—	2	—	6	4	1	4	1	5	8	11	7	7	1	2	
	M	5	—	—	—	—	—	—	—	6	1	3	—	3	6	2	2	2	2	—	—	
	F	1	—	—	—	—	—	—	—	6	3	4	9	7	3	6	4	6	3	4	2	
Thyroid	T	82	—	—	—	—	—	—	—	6	4	1	4	1	2	2	2	1	2	2	—	
	M	23	—	—	—	—	—	—	—	6	1	3	—	3	6	4	6	3	4	3	—	
	F	59	—	—	—	—	—	—	—	6	3	4	9	7	3	6	4	6	3	4	2	
Other endocrine gland	T	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	F	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Other specified sites of ill-defined	T	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Without specification of site	T	112	—	—	—	—	—	—	2	—	—	2	—	—	7	11	13	11	12	14	2	
	M	57	—	—	—	—	—	—	2	—	—	2	—	—	3	6	6	6	6	6	1	
	F	55	—	—	—	—	—	—	2	—	—	2	—	—	4	5	5	7	6	6	1	
Reticulum cell sarcoma	T	22	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	1	1	
	M	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	F	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Lymphosarcoma	T	31	—	—	—	—	—	—	—	3	3	3	3	3	3	2	2	2	2	2	3	
	M	22	—	—	—	—	—	—	—	3	3	3	3	3	3	2	2	2	2	2	3	
	F	9	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	1	1	1	

SITE	AGE-GROUP	AGE-GROUP																		Unknown	
		Under 1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	
Burkitt's tumour	T	2																			
	M	1																			
	F	1																			
Hodgkin's disease	T	25																			
	M	15																			
	F	10																			
Acute lymphoid leukaemia	T	52	2	13	16	2															
	M	33	2	8	11	2															
	F	19	—	5	6	2															
Chronic lymphoid leukaemia	T	1																			
	M	1																			
	F	—																			
Acute myeloid leukaemia	T	47																			
	M	26																			
	F	21																			
Chronic myeloid leukaemia	T	19																			
	M	10																			
	F	9																			
Acute monocytic leukaemia	T	7																			
	M	2																			
	F	5																			
Acute erythremia	T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	F	—																			
Acute leukaemia, unspecified cell type	T	13																			
	M	9																			
	F	4																			

TABLE IX**THE COMMON SITE OF MALIGNANCY BY PERCENTAGE 1975-1979**

Site	Percentage				
	1975	1976	1977	1978	1979
Total Cases	3,032	2,993	3,096	3,278	3,369
Cervix uteri	17.7	22.05	20.02	20.65	21.22
Oral cavity (not including Pharynx)	11.5	10.46	9.72	8.42	9.62
Breast	7.2	5.75	7.56	7.11	6.64
Liver	5.9	4.58	4.85	4.94	6.29
Trachea, Bronchus & Lungs	4.8	4.11	5.69	6.77	5.04
Nasopharynx	3.7	4.21	4.52	3.97	4.45
Skin	5.0	5.05	4.81	4.70	4.19
Leukaemia	4.4	2.58	4.23	4.61	4.16
Oesophagus	3.5	3.41	2.13	3.05	3.15
Larynx	2.7	2.94	2.62	2.87	3.09

TABLE X**THE COMMON MALIGNANCY IN MALE**

Site	Number		Percentage
	1975	1979	
Liver	173	173	11.73
Lung	138	138	9.36
Oral cavity	136	136	9.22
Nasopharynx	100	100	6.78
Larynx	97	97	6.58
Leukaemia	82	82	5.56
Oesophagus	77	77	5.22
Skin	71	71	4.81
Tongue	57	57	3.86
Bladder	57	57	3.86

TABLE XI**THE COMMON MALIGNANCY IN FEMALE**

Site	Number		Percentage
	1975	1979	
Cervix	715	715	37.75
Breast	221	221	11.67
Oral cavity	188	188	9.93
Ovary & Other uterine adnexa	78	78	4.12
Other & unspecified			
Parts of mouth	67	67	3.54
Thyroid	59	59	3.12
Leukaemia	58	58	3.06
Lip	57	57	3.01
Nasopharynx	50	50	2.64

TABLE XII

Provinces	No. of Cases of Malignancy by Provinces as Reported		
	Total	Male	Female
All Provinces	3,369	1,475	1,894
Anghong	26	8	18
Bangkok	957	357	600
Buriram	32	14	18
Chanthaburi	18	4	14
Cha-Choengsao	27	8	19
Chayaphum	34	18	16
Chainat	26	11	15
Chiengmai	4	1	3
Chiengrai	6	3	3
Chonburi	35	16	19
Chumphon	39	22	17
Kalasin	23	10	13
Kamphaengphet	22	5	17
Kanchana-buri	82	33	49
Khonkaen	39	20	19
Krabi	8	4	4
Lampang	3	2	1
Loei	5	2	3
Lopburi	17	8	9
Mahasarakham	26	12	14
Nakornnayok	10	3	7
Nakornphathom	166	62	104
Nakornphanom	12	8	4
Nakornsawan	63	22	41
Nakornratchsima	66	33	33
Nan	1	—	1
Narathiwat	4	3	1
Nonthaburi	62	29	33
Nongkhai	13	6	7
Pathumthani	22	13	9
Pathani	5	3	2
Phang-nga	3	1	2
Paya	2	1	1
Phatthalung	21	14	7
Phetburi	52	17	35
Phetchbun	35	13	22
Phuket	7	3	4
Phrae	3	2	1
Pichit	34	13	21
Pitsulok	31	17	14
Prachinburi	33	19	14
Prachuapkirikhan	34	12	22
Pranakhornsriayuthaya	47	19	28
Rajburi	111	52	59
Ranong	6	2	4
Rayong	13	6	7
Roi-et	39	20	19
Samutprakan	65	29	36
Samutsakhorn	64	24	40
Samutsongkhram	39	11	28
Sakonnakorn	16	6	10
Satun	4	3	1
Saraburi	29	14	15
Singburi	12	6	6
Songkhla	30	10	20

Provinces	No. of Cases		
	Total	Male	Female
Srisaket	23	12	11
Sukhothai	17	8	9
Suphanburi	93	49	44
Surathani	37	23	14
Surin	26	9	17
Tak	2	1	1
Trat	11	7	4
Trang	13	4	9
Ubonratchthani	16	6	10
Udonrthani	31	14	17
Uthaiyani	25	12	13
Utharadit	9	3	6
Yala	6	4	2
Yasothon	13	5	8

S. THERAPATI
P. SUTTIS
P. KHEANAND
P. TEPNODOM
P. SERVADH

TABLE XIII**NUMBER OF MALIGNANCY BY OCCUPATION AND REGION**

Occupation	Region					Total
	North	North-East	Central	South		
Farming	42	226	251	51	570	
Plantation	14	27	210	50	301	
Official	2	13	118	17	150	
Worker	25	31	423	28	507	
Housewife	32	84	671	49	836	
Mercantile	12	41	345	33	431	
Fishery	—	—	6	2	8	
Priest	2	5	37	4	48	
Unoccupied	5	22	78	11	116	

S. THERAPATI
P. SUTTIS

OFFICE STAFF

S. SUTTIS	P. SUTTIS
P. KHEANAND	P. TEPNODOM
P. TEPNODOM	P. SERVADH
S. KHEANAND	S. THERAPATI
S. THERAPATI	P. TEPNODOM
P. TEPNODOM	S. THERAPATI

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