

TUMOUR REGISTRY
CANCER INSTITUTE SIRIRAJ HOSPITAL



STATISTICAL REPORT

1981

**FACULTY OF MEDICINE SIRIRAJ HOSPITAL
MAHIDOL UNIVERSITY**

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Introduction

This is the fifteenth annual report of the Tumour Registry of Cancer Institute Siriraj Hospital 1981. The classification and terminology of cancer in this report has followed the coding system of WHO in order to be comparable to those preceding reports.

The total number of new cancer patients was 3547, 1.63% of all new patients in Siriraj Hospital. The histological proof was 96.56 % of all cancer cases.

The ten leading sites for malignant tumour were Cervix uteri 21.43 %, Oral cavity 8.09 %, Breast 7.27 %, Bronchus & Lung 5.19 %, Liver 5.07 %, Nasopharynx 4.37 %, Skin 4.14 %, Leukaemia 4.03%, Larynx 3.10 % and Ovary 2.99%.

The ten leading sites of cancer in female were Cervix uteri, Breast, Oral cavity, Ovary, Skin, Thyroid gland, Leukaemia, Liver, Nasopharynx and Bronchus and Lung whereas in the male are Bronchus and Lung, Oral cavity, Liver, Nasopharynx, Larynx, Leukaemia, Oesophagus, Skin, Urinary bladder and Penis.

As in 1980 report, the first three common sites in female were still cancer of Cervix uteri, Breast and Oral cavity, but cancer of Ovary, Thyroid gland, Leukaemia and Liver are increased in this report, while in the male, the most common cancer in 1980 was the Oral cavity which replaced by cancer of the Bronchus and lung, the cancer of Larynx, Tongue and Penis are increased in this report.

In this annual report, the malignant lymphoma and reticulum cell sarcoma in various organs are included in Table 12 & 13 for the convenience of studying.

Finally, many thanks to all of the tumour registration office for their high responsibility to publish this report on time.



Nivat Chantarakul, M.D.

Chairman

Executive Committee, Cancer Institute

Siriraj Hospital

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1981
TABLE I

NUMBER OF PATIENTS

Type of patient	No. of Cases
Total of Patients at O.P.D	706,647
Total of New Patients	218,034
Total of New Malignancies	3,547

The cancer patients are about 1.63% of all new patients

TABLE II

DIAGNOSIS

Diagnosed by	Number	Percentage
Histological proof	3,425	96.56
Clinical & X - ray	122	3.44
Total	3,547	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
1 +	26	16	42
5 +	22	20	42
10 +	19	9	28
15 +	38	26	64
20 +	38	43	81
25 +	45	75	120
30 +	63	136	199
35 +	62	159	221
40 +	99	245	344
45 +	122	282	404
50 +	180	255	435
55 +	182	210	392
60 +	177	156	333
65 +	176	151	327
70 +	152	112	264
75 +	81	49	130
80 +	37	29	66
85 +	10	16	26
90 +	4	4	8
Unknown	5	9	14

TABLE IV
PRIMARY SITE

Code	Site Grand Total	No of Cases			
		M	F	TOTAL	%
		1,542	2,005	3,547	100.00
140-149	Malig. Neoplasm of Buccal Cavity & Pharynx	351	208	559	15.76
140.0	Upper lips	—	4	4	0.11
140.1	Lower lips	7	29	36	1.01
140.9	Lip, unspecified	—	3	3	0.09
141.0	Base of tongue	8	6	14	0.39
141.9	Tongue, unspecified	47	23	70	1.97
142.0	Parotid gland	7	4	11	0.31
142.9	Salivary gland, site unspecified	5	1	6	0.17
143.0	Upper gum	2	4	6	0.17
143.1	Lower gum	2	3	5	0.14
143.8	Gingiva	—	1	1	0.03
143.9	Gum, unspecified	14	19	33	0.93
144.8	Angle of mouth	1	1	2	0.06
144.9	Floor of mouth, part unspecified	16	1	17	0.47
145.0	Buccal mucosa	22	39	61	1.72
145.2	Hard palate	7	5	12	0.34
145.3	Soft palate	16	2	18	0.51
145.5	Palate, unspecified	4	1	5	0.14
146.1	Tonsil	33	9	42	1.18
146.2	Tonsillar pillars	3	2	5	0.14
146.9	Oropharynx, unspecified	7	5	12	0.34
147.9	Nasopharynx, unspecified	116	39	155	4.37
148.0	Postcricoid	—	1	1	0.03
148.1	Pyriform fossa	26	2	28	0.79
148.2	Aryepiglottic fold	—	1	1	0.03
148.9	Hypopharynx, unspecified	5	3	8	0.23
149.0	Pharynx, unspecified	3	—	3	0.09
150-159	Malig. Neoplasm of Digestive Organs & Peritoneum	375	187	562	15.84
150.5	Oesophagus, lower third	1	1	2	0.06
150.9	Oesophagus, unspecified	71	25	96	2.70
151.0	Stomach, cardia	3	3	6	0.17
151.2	Stomach, Pyloric Antrum	1	—	1	0.03
151.9	Stomach, unspecified	41	32	73	2.05
152.1	Jejunum	2	—	2	0.06
152.2	Ileum	2	2	4	0.11
152.9	Small intestine, unspecified	7	5	12	0.34
153.3	Sigmoid colon	8	5	13	0.36
153.4	Caecum	4	4	8	0.23
153.9	Colon, unspecified	32	21	53	1.49
154.0	Rectosigmoid junction	2	—	2	0.06
154.1	Rectum	40	25	65	1.83
154.2	Anal, canal	2	—	2	0.06
154.3	Anus, unspecified	—	1	1	0.03
155.0	Liver, primary	138	42	180	5.07
156.0	Gall bladder	7	4	11	0.31
156.1	Extra, hepatic common bile duct	3	3	7	0.17
156.2	Ampulla of Vater	3	2	5	0.14
157.0	Head of pancreas	5	2	7	0.20
157.9	Pancreas, part unspecified	2	8	10	0.28
158.0	Retropertitoneum	1	2	3	0.09

Code	Site	M	F	TOTAL	%
TABLE V INCIDENCE OF CANCER IN MALES					
160-164	Malig. Neoplasm of Respiratory System	268	65	333	9.38
160.0	Nasal cavities	7	9	16	0.45
160.2	Maxillary sinus	8	3	11	0.31
160.3	Ethmoidal sinus	4	1	5	0.14
160.9	Accessory sinus, unspecified	2	—	2	0.06
161.0	Glottis	24	1	25	0.70
161.1	Supraglottis	27	9	36	1.02
161.2	Subglottis	10	3	13	0.36
161.9	Larynx, unspecified	34	2	36	1.01
162.0	Trachea	1	—	1	0.03
162.5	Bronchus & Lung, lower lobe	1	1	2	0.06
162.9	Bronchus & Lung, unspecified	145	36	181	5.10
164.9	Mediastinum, part unspecified	5	—	5	0.14
170-174	Malig. Neoplasm of Bone, Connective Tissue, Skin & Breast	98	354	452	12.74
170.9	Bone, site unspecified	14	8	22	0.62
171.9	Connective tissue, site unspecified	11	13	24	0.67
172.5	Melanoma of skin, trunk	—	1	1	0.03
172.7	Melanoma of skin, lower limb including hip	—	1	1	0.03
172.8	Other melanoma of skin	—	1	1	0.03
172.9	Melanoma of skin, site unspecified	3	—	3	0.09
173.1	Skin, eyelid	4	8	12	0.34
173.2	Skin, ear & external canal	3	8	11	0.31
173.3	Skin, unspecified parts of face	19	25	44	1.24
173.4	Skin, scalp, neck	4	2	6	0.17
173.6	Skin, trunk, except scrotum	6	4	10	0.28
173.7	Skin, lower limb, including hip	13	7	20	0.56
173.8	Skin, other	5	4	9	0.25
173.9	Skin, site unspecified	13	17	30	0.85
174.9	Breast, unspecified	3	255	258	7.27
179-189	Malig. Neoplasm of Genito - Urinary Organs	173	957	1,130	31.88
179	Uterus, part unspecified	—	3	3	0.09
180.9	Cervix, unspecified	—	760	760	21.43
181	Choriocarcinoma	—	19	19	0.54
182.0	Corpus uteri	—	32	32	0.90
183.0	Ovary	—	106	106	2.99
184.0	Vagina	—	8	8	0.23
184.4	Vulva, unspecified	—	9	9	0.25
185	Prostate	29	—	29	0.82
186.0	Testis, undescended	1	—	1	0.03
186.9	Testis, unspecified	6	—	6	0.17
187.2	Glands penis	1	—	1	0.03
187.4	Penis, part unspecified	56	—	56	1.58
188.9	Bladder	63	10	73	2.06
189.0	Kidney, except pelvis	11	5	16	0.45
189.1	Renal pelvis	4	1	5	0.14
189.2	Ureter	—	2	2	0.06
189.3	Urethra	2	2	4	0.11
190-199	Malig. Neoplasm of Other & Unspecified Sites	132	137	269	7.58
190.0	Eyeball	3	—	3	0.09
190.1	Orbit	—	1	1	0.03
190.3	Conjunctiva	3	2	5	0.14

Code	Site	M	F	TOTAL	%
190.9	Eye, part unspecified	3	1	4	0.11
191.1	Brain, frontal lobe	—	1	1	0.03
191.7	Brain stem	—	1	1	0.03
191.9	Brain, other	15	14	29	0.80
192.2	Spinal cord	—	1	1	0.03
192.9	Nervous system, part unspecified	2	—	2	0.06
193	Thyroid	23	60	83	2.34
194.0	Suprarenal gland	3	—	3	0.09
195.2	Ill-defined site abdomen	—	1	1	0.03
199.1	Without specification of site	80	55	135	3.80
200-209	Neoplasm of Lymphatic & Haematopoietic tissue	145	97	242	6.82
200.0	Reticulum cell sarcoma	4	2	6	0.17
200.1	Lymphosarcoma	39	21	60	1.69
200.2	Burkitt's tumour	1	—	1	0.03
200.8	Immunoblastic sarcoma	3	6	9	0.26
201.9	Hodgkin's disease	15	8	23	0.65
204.0	Acute lymphoid leukaemia	41	29	70	1.97
204.1	Chronic lymphoid leukaemia	3	1	4	0.11
205.0	Acute myeloid leukaemia	11	11	22	0.67
205.1	Chronic myeloid leukaemia	23	16	39	1.09
206.0	Acute monocytic leukaemia	4	3	7	0.20
208.0	Acute leukaemia, unspecified cell type	1	—	1	0.03

TABLE V
PATHOLOGY ACCORDING TO SITE

140.0	Malig.	Neoplasm of Upper Lip	4	Cases
		Sq. cell ca.	4	"
140.1	Malig.	Neoplasm of Lower Lip	36	Cases
		Sq. cell ca.	36	"
140.9	Malig.	Neoplasm of Lips, Unspecified	3	Cases
		Sq. cell ca.	3	"
141.0	Malig.	Neoplasm of Base of Tongue	14	Cases
		Sq. cell ca.	10	"
		Adenocarcinoma	2	"
		Undiff. ca.	1	"
		No histological proof	1	"
141.9	Malig.	Neoplasm of Tongue, Unspecified	70	Cases
		Sq. cell ca.	67	"
		Undiff. ca.	2	"
		Adenocystic ca.	1	"
142.0	Malig.	Neoplasm of Parotid Gland	11	Cases
		Adenocystic ca.	4	"
		Mucoepidermoid tumor	3	"
		Sq. cell ca.	1	"
		Acinic cell ca.	1	"
		Undiff. ca.	1	"
		Reticulum cell sarcoma	1	"
142.9	Malig.	Neoplasm of Salivary Gland	6	Cases
		Adenocarcinoma	4	"
		Adenocystic ca.	2	"
143.0	Malig.	Neoplasm of Upper Gum	6	Cases
		Sq. cell ca.	6	"
143.1	Malig.	Neoplasm of Lower Gum	5	Cases
		Sq. cell ca.	4	"
		Undiff. ca.	1	"
143.8	Malig.	Neoplasm of Gingiva	1	Cases
		Sq. cell ca.	1	"
143.9	Malig.	Neoplasm of Gum, Unspecified	33	Cases
		Sq. cell ca.	32	"
		Undiff. ca.	1	"
144.8	Malig.	Neoplasm of Angle of Mouth	2	Cases
		Sq. cell ca.	2	"
144.9	Malig.	Neoplasm of Floor of Mouth	17	Cases
		Sq. cell ca.	15	"
		Adenocarcinoma	1	"
		No histological proof	1	"
145.0	Malig.	Neoplasm of Buccal Mucosa	61	Cases
		Sq. cell ca.	58	"
		No histological proof	3	"
145.2	Malig.	Neoplasm of Hard Palate	12	Cases
		Sq. cell ca.	10	"
		Adenocystic ca.	1	"
		Undiff. ca.	1	"
145.3	Malig.	Neoplasm of Soft Palate	18	Cases
		Sq. cell ca.	15	"
		Undiff. ca.	2	"
		Reticulum cell sarcoma	1	"
145.5	Malig.	Neoplasm of Palate, Unspecified	5	Cases
		Sq. cell ca.	5	"
146.1	Malig.	Neoplasm of Tonsil	42	Cases
		Sq. cell ca.	31	"
		Undiff. ca.	4	"

			Cases
		Reticulum cell sarcoma	3
		Malig. lymphoma, lymphocytic type	3
		No histological proof	1
146.2	Malig.	Neoplasm of Tonsillar Pillars	5
		Sq. cell ca.	4
		Undiff. ca.	1
146.9	Malig.	Neoplasm of Oropharynx, Unspecified	12
		Sq. cell ca.	10
		Undiff. ca.	2
147.9	Malig.	Neoplasm of Nasopharynx, Unspecified	155
		Sq. cell ca.	86
		Undiff. ca.	62
		Reticulum cell sarcoma	2
		Malig. lymphoma, poorly diff.	2
		Transitional cell ca.	1
		No histological proof	2
148.0	Malig.	Neoplasm of Posterior	1
		Sq. cell ca.	1
148.1	Malig.	Neoplasm of Pyriform fossa	28
		Sq. cell ca.	27
		Adenocarcinoma	1
148.2	Malig.	Neoplasm of Aryepiglottic fold	1
		Sq. cell ca.	1
148.9	Malig.	Neoplasm of Hypopharynx, Unspecified	8
		Sq. cell ca.	8
149.0	Malig.	Neoplasm of Pharynx, Unspecified	3
		Sq. cell ca.	3
150.5	Malig.	Neoplasm of Oesophagus, Lower Third	2
		Sq. cell ca.	2
150.9	Malig.	Neoplasm of Oesophagus, Unspecified	96
		Sq. cell ca.	90
		Adenosquamous ca.	1
		No histological proof	5
151.0	Malig.	Neoplasm of Stomach, Cardia	6
		Adenocarcinoma	5
		Mucinous ca.	1
151.2	Malig.	Neoplasm of Pyloric Antrum	1
		Adenocarcinoma	1
151.9	Malig.	Neoplasm of Stomach, Unspecified	73
		Adenocarcinoma	54
		Signet ring cell ca.	6
		Undiff. ca.	2
		Reticulum cell sarcoma	2
		Malig. lymphoma, lymphoblastic type	2
		Mucinous ca.	1
		Immunoblastic sarcoma	1
		No histological proof	5
152.1	Malig.	Neoplasm of Jejunum	2
		Adenocarcinoma	1
		Leiomyosarcoma	1
152.2	Malig.	Neoplasm of Ileum	4
		Adenocarcinoma	3
		Leiomyosarcoma	1
152.9	Malig.	Neoplasm of Small Intestine, Unspecified	12
		Adenocarcinoma	10
		Signet ring cell ca.	1
		Reticulum cell sarcoma	1
153.3	Malig.	Neoplasm of Sigmoid Colon	13
		Adenocarcinoma	13
153.4	Malig.	Neoplasm of Caecum	8
		Adenocarcinoma	8

153.9	Malig.	Neoplasm of Colon, Unspecified	53	Cases
		Adenocarcinoma	51	"
		Malig. lymphoma, lymphoblastic type	1	"
		No histological proof	1	"
154.0	Malig.	Neoplasm of Rectosigmoid	2	Cases
		Adenocarcinoma	2	"
154.1	Malig.	Neoplasm of Rectum	65	Cases
		Adenocarcinoma	61	"
		Malig. lymphoma, lymphocytic type	2	"
		Mucinous ca.	1	"
		No histological proof	1	"
154.2	Malig.	Neoplasm of Anal Canal	2	Cases
		Adenocarcinoma	1	"
		Leiomyosarcoma	1	"
154.3	Malig.	Neoplasm of Anus	1	Cases
		Adenocarcinoma	1	"
155.0	Malig.	Neoplasm of Liver	180	Cases
		Hepatocellular ca.	103	"
		Cholangiocarcinoma	24	"
		Adenocarcinoma	17	"
		Undiff. ca.	4	"
		Embryonal sarcoma	1	"
		No histological proof	31	"
156.0	Malig.	Neoplasm of Gall Bladder	11	Cases
		Adenocarcinoma	9	"
		Undiff. ca.	1	"
		Malig. lymphoma, lymphoblastic type	1	"
156.1	Malig.	Neoplasm of Common bile duct	6	Cases
		Adenocarcinoma	6	"
156.2	Malig.	Neoplasm of Ampulla of Vater	5	Cases
		Adenocarcinoma	5	"
157.0	Malig.	Neoplasm of Head of Pancreas	7	Cases
		Adenocarcinoma	5	"
		Mucinous ca.	1	"
		No histological proof	1	"
157.9	Malig.	Neoplasm of Pancreas, Part Unspecified	10	Cases
		Adenocarcinoma	8	"
		Undiff. ca.	2	"
158.0	Malig.	Neoplasm of Retroperitoneum	3	Cases
		Liposarcoma	3	"
160.0	Malig.	Neoplasm of Nasal Cavities	16	Cases
		Undiff. ca.	6	"
		Adenocystic ca.	3	"
		Sq. cell ca.	3	"
		Transitional cell ca.	1	"
		Adenocarcinoma	1	"
		Malig. lymphoma, reticulum cell type	1	"
		Embryonal-rhabdomyosarcoma	1	"
160.2	Malig.	Neoplasm of Maxillary Sinus	11	Cases
		Sq. cell ca.	7	"
		Undiff. ca.	1	"
		Reticulum cell sarcoma	1	"
		Malig. reticulosarcoma	1	"
		Malig. histiocytoma	1	"
160.3	Malig.	Neoplasm of Ethmoidal Sinus	5	Cases
		Undiff. ca.	2	"
		Sq. cell ca.	1	"
		Reticulum cell sarcoma	1	"
		Alfactory neuroblastoma	1	"
160.9	Malig.	Neoplasm of Accessory Sinus, Unspecified	2	Cases
		Sq. cell ca.	1	"
		Undiff. ca.	1	"

161.0	Malig.	Neoplasm of Glottis	25	Cases
		Sq. cell ca.	25	"
161.1	Malig.	Neoplasm of Supraglottis	36	Cases
		Sq. cell ca.	35	"
		Adenocystic ca.	1	"
161.2	Malig.	Neoplasm of Subglottis	13	Cases
		Sq. cell ca.	12	"
		Undiff. ca.	1	"
161.9	Malig.	Neoplasm of Larynx, Unspecified	36	Cases
		Sq. cell ca.	32	"
		Undiff. ca.	1	"
		Ca. in situ	1	"
		No histological proof	2	"
162.0	Malig.	Neoplasm of Trachea	1	Cases
		Sq. cell ca.	1	"
162.5	Malig.	Neoplasm of Bronchus & Lung, Lower Lobe	2	Cases
		Undiff.ca.	1	"
		Alveolar ca.	1	"
162.9	Malig.	Neoplasm of Bronchus & Lung, Unspecified	181	Cases
		Adenocarcinoma	54	"
		Sq. cell ca.	51	"
		Undiff. ca.	48	"
		Oat cell ca.	3	"
		Alveolar cell ca.	1	"
		Malignant lymphoma, lymphoblastic type	1	"
		Giant cell ca.	1	"
		No histological proof	22	"
164.9	Malig.	Neoplasm of Mediastinum Part Unspecified	5	Cases
		Malig. teratoma	2	"
		Embryonal cell ca.	2	"
		Malig. lymphoma, lymphocytic type.	1	"
170.9	Malig.	Neoplasm of Bone, Site Unspecified	22	Cases
		Osteosarcoma	13	"
		Ewing's sarcoma	2	"
		Malig.fibrous histiocytoma	2	"
		Plasma cell myeloma	2	"
		Malig. giant cell tumour	1	"
		Chondrosarcoma	1	"
		Malig hemangio-pericytoma	1	"
171.9	Malig.	Neoplasm of Soft Tissue, Site Unspecified	24	Cases
		Fibrosarcoma	6	"
		Rhabdomyosarcoma	5	"
		Malig. fibrous histiocytoma	3	"
		Reticulum cell sarcoma	2	"
		Dermatofibrosarcoma protuberans	2	"
		Malig. haemangiopericytoma	2	"
		Liposarcoma	1	"
		Angiosarcoma	1	"
		Synovial sarcoma	1	"
		Epithelioid sarcoma	1	"
172.5	Malig.	Neoplasm of Melanoma of Skin, Trunk	1	Cases
		Malig. melanoma	1	"
172.7	Malig.	Neoplasm of Melanoma of Skin, Lower Limb	1	Cases
		Malig. melanoma	1	"
172.8	Malig.	Neoplasm of Other Melanoma of Skin	1	Cases
		Malig. melanoma	1	"
172.9	Malig.	Neoplasm of Melanoma of Skin,Site Unspecified	3	Cases
		Malig. melanoma	3	"
173.1	Malig.	Neoplasm of Skin, Eyelid	12	Cases
		Basal cell ca.	11	"
		Sebaceous ca.	1	"

173.2	Malig.	Neoplasm of Skin, Ear & External Canal	11	Cases
		Sq. cell ca.	10	"
		Basal cell ca.	1	"
173.3	Malig.	Neoplasm of Skin, Unspecified Parts of Face	44	Cases
		Basal cell ca.	34	"
		Sq. cell ca.	9	"
		Sebaceous ca.	1	"
173.4	Malig.	Neoplasm of Skin, Scalp & Neck	6	Cases
		Basal cell ca.	4	"
		Sq. cell ca.	2	"
173.6	Malig.	Neoplasm of Skin, Trunk except Scrotum	10	Cases
		Sq. cell ca.	8	"
		Basal cell ca.	1	"
		Malig. lymphoma, large cell blastic type	1	"
173.7	Malig.	Neoplasm of Skin, Lower Limb including Hip	20	Cases
		Sq. cell ca.	18	"
		Basal cell ca.	2	"
173.8	Malig.	Neoplasm of Skin, Other	9	Cases
		Sq. cell-ca.	7	"
		Basal cell ca.	2	"
173.9	Malig.	Neoplasm of Skin, Unspecified	30	Cases
		Sq. cell ca.	15	"
		Basal cell ca.	12	"
		Sweat gland ca.	2	"
		Sebaceous ca.	1	"
174.9	Malig.	Neoplasm of Breast	258	Cases
		Infiltrating duct ca.	215	"
		Malig. cystosarcoma phylloides	6	"
		Medullary ca.	2	"
		Sq. cell ca.	2	"
		Infiltrating lobular ca.	2	"
		Non-infiltrating duct ca.	2	"
		Mucoid ca.	2	"
		No histological proof	27	"
179.	Malig.	Neoplasm of Uterus, Part Unspecified	3	Cases
		Adenocarcinoma	2	"
		Leiomyosarcoma	1	"
180.9	Malig.	Neoplasm of Cervix, Unspecified	760	Cases
		Sq. cell ca.	635	"
		Adenocarcinoma	65	"
		Ca. in situ	47	"
		Leiomyosarcoma	2	"
		Undiff. ca.	1	"
		No histological proof	10	"
181	Malig.	Neoplasm of Placenta	19	Cases
		Choriocarcinoma	19	"
182.0	Malig.	Neoplasm of Corpus	32	Cases
		Adenocarcinoma	30	"
		Sq. cell ca.	2	"
183.0	Malig.	Neoplasm of Ovary	106	Cases
		Cystadenocarcinoma	57	"
		Adenocarcinoma	23	"
		Dysgerminoma	10	"
		Clear cell ca.	6	"
		Endometrioid ca.	3	"
		Papillary ca.	2	"
		Malig. teratoma	2	"
		Granulosa cell tumour	2	"
		Sq. cell ca.	1	"
184.0	Malig.	Neoplasm of Vagina	8	Cases
		Sq. cell ca.	7	"
		Adenocarcinoma	1	"

184.4	Malig.	Neoplasm of Vulva Sq. cell ca.	9 9		Cases "	
185	Malig.	Neoplasm of Prostate Adenocarcinoma Undiff. ca. No histological proof	29 24 3 2		Cases "	
186.0	Malig.	Neoplasm of Testis, Undescended Seminoma	1 1		Cases "	
186.9	Malig.	Neoplasm of Testis Seminoma Embryonal cell ca. Malig. teratoma	6 4 1 1		Cases "	
187.2	Malig.	Neoplasm of Glans Penis Sq. cell ca.	1 1		Cases "	
187.4	Malig.	Neoplasm of Penis Sq. cell ca. No histological proof	56 49 7		Cases "	
188.9	Malig.	Neoplasm of Bladder Transitional cell ca. Adenocarcinoma Sq. cell ca. No histological proof	73 68 3 1 1		Cases "	
189.0	Malig.	Neoplasm of Kidney Wilm's tumour Transitional cell ca. Renal cell ca.	16 7 5 4		Cases "	
189.1	Malig.	Neoplasm of Pelvis Transitional cell ca. Adenocarcinoma	5 4 1		Cases "	
189.2	Malig.	Neoplasm of Ureter Transitional cell ca. Sq. cell ca.	2 1 1		Cases "	
189.3	Malig.	Neoplasm of Urethra Transitional cell ca. Adenocarcinoma	4 3 1		Cases "	
190.0	Malig.	Neoplasm of eyeball Retinoblastoma	3 3		Cases "	
190.1	Malig.	Neoplasm of Orbit Embryonal rhabdomyosarcoma	1 1		Cases "	
190.3	Malig.	Neoplasm of Conjunctiva Sq. cell ca. Ca in situ	5 4 1		Cases "	
190.9	Malig.	Neoplasm of Eye, Unspecified Retinoblastoma	4 4		Cases "	
191.1	Malig.	Neoplasm of Brain, Frontal Lobe Meningioma	1 1		Cases "	
191.7	Malig.	Neoplasm of Brain Stem Astrocytoma	1 1		Cases "	
191.9	Malig.	Neoplasm of Brain, Part Unspecified Astrocytoma Meningioma Glioblastoma multiforme Ependymoma Ganglioneuroblastoma Neurilemmoma Craniopharyngioma Malig. lymphoma, poorly diff No histological proof	29 11 7 3 2 2 1 1 1 1		Cases "	
192.2	Malig.	Neoplasm of Nervous System, Spinal Cord Meningioma	1 1		Cases "	
192.2	Malig.	Neoplasm of Nervous System, Part Unspecified Neuroblastoma	2 2		Cases "	

193	Malig.	Neoplasm of Thyroid	83	Cases
		Papillary ca.	55	"
		Follicular ca.	19	"
		Sq. cell ca.	2	"
		Undiff. ca.	2	"
		Medullary ca.	1	"
		Giant cell ca.	1	"
		Hurthle's cell ca.	1	"
		No histological proof	2	"
194.0	Malig.	Neoplasm of Suprarenal Gland	3	Cases
		Neuroblastoma	2	"
		Adrenal cortical ca.	1	"
195.2	Malig.	Neoplasm of Ill-defined Site, Abdomen	1	Cases
		Hodgkin's disease	1	"
199.1	Malig.	Neoplasm of Without Specification of Site	135	Cases
		Adenocarcinoma	75	"
		Undiff. ca.	28	"
		Sq. cell ca.	23	"
		Mucin producing ca.	2	"
		Liposarcoma	1	"
		Hemangiopericytoma	1	"
		Reticulum cell Sarcoma	1	"
		Embryonal ca.	1	"
		No histological proof	3	"
200.0		Reticulosarcoma	6	Cases
		Reticulum cell sarcoma	6	"
200.1		Lymphosarcoma	60	Cases
		Malig. lymphoma, undiff. cell type	26	"
		Malig. lymphoma, lymphoblastic type	18	"
		Malig. lymphoma, lymphocytic type	7	"
		Malig. lymphoma, histiocytic type	7	"
		Lymphosarcoma	2	"
200.2		Burkitt's tumour	1	Cases
		Burkitt's lymphoma	1	"
200.8		Immunoblastic	9	Cases
		Immunoblastic sarcoma	9	"
201.9		Hodgkin's Disease Unspecified	23	Cases
		Hodgkin's disease	23	"
204.0		Acute Lymphoid Leukaemia	70	Cases
204.1		Chronic Lymphoid Leukaemia	4	Cases
205.0		Acute Myeloid Leukaemia	22	Cases
205.1		Chronic Myeloid Leukaemia	39	Cases
206.0		Acute Monocytic Leukaemia	7	Cases
208.0		Acute Leukaemia, Unspecified	1	Cases

TABLE VI
THE 10 LEADING SITES

Site	All Sites	No of Cases				
		M	F	TOTAL	%	
Cervix uteri		—	760	760	21.43	
Oral cavity	146	141	287	8.09		
Breast	3	255	258	7.27		
Bronchus & Lungs	147	37	184	5.19		
Liver	138	42	180	5.07		
Nasopharynx	116	39	155	4.37		
Skin	70	77	147	4.14		
Leukaemia	83	60	143	4.03		
Larynx	95	15	110	3.10		
Ovary	—	106	106	2.99		

TABLE VII
MALIGNANT NEOPLASM IN CHILDHOOD

Site	Age - Group	No of Cases														
		Total	M	F	Under 1	M	F	1+	M	F	5+	M	F	10+	M	F
142.0	Parotid gland	111	67	44	3	3	25	15	21	18	17	9	—	—	—	—
153.9	Colon, unspecified	1	1	—									1	—		
155.0	Liver, primary	1	—	1									1			
158.0	Retropertitoneum	1	—	1	—	1										
160.0	Nasal cavities	1	—	1									1			
171.9	Connective tissue, site unspecified	4	2	2	—	1	—	1					2	—		
172.5	Melanoma of skin, trunk	1	—	1									1			
173.4	Skin, scalp, neck	1	1	—									1	—		
183.0	Ovary	2	—	2									—	2		
186.9	Testis, unspecified	1	1	—	1	—										
189.0	Kidney, except pelvis	7	3	4			3	3	—	1						
190.0	Eyeball	3	3	—			2	—	1	—						
190.1	Orbit	1	—	1	—	1										
190.9	Eye, unspecified	4	3	1			3	1								
191.7	Brain stem	1	—	1									—	1		
192.9	Nervous system, part unspecified	2	2	—				1	—				1	—		
194.0	Suprarenal gland	2	2	—			2	—								
199.1	Without specification of site	1	1	—									1	—		
200.1	Lymphosarcoma	6	5	1	1	—	1	1	1	—			2	—		
200.2	Burkitt's tumour	1	1	—									1	—		
201.9	Hodgkin's disease	8	7	1							4	1	3	—		
204.0	Acute lymphoid leukaemia	47	27	20	1	—	11	7	9	10	6	3				
205.0	Acute myeloid leukaemia	12	6	6			3	1	2	3	1	2				
205.1	Chronic myeloid leukaemia	2	1	1							1	—	—	1		

TABLE VIII

PRIMARY SITES AS TO AGE AND SEX

SITE	AGE-GROUP	Under										Un known												
		1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+					
GRAND TOTAL		3,547	7	42	42	28	64	81	120	199	221	344	404	435	392	333	327	264	130	66	26	8	14	
MALE		1,542	4	26	22	19	38	45	63	62	99	122	180	182	177	176	152	81	37	10	4	5		
FEMALE		2,005	3	16	20	9	26	43	75	136	159	245	282	255	210	156	151	112	49	29	16	4	9	
Malig Neoplasm of Buccal Cavity & Pharynx																								
Upper lip	T	4													1				2					
	M	—													—				—					
Lower lip	T	36													1	2	1	4	3	12	4	3	1	
	M	7													—	1	—	—	1	3	1	—	—	
Lip, unspecified	F	29													1	1	1	—	4	2	9	3	1	
	T	3													—			2	—	—	—	—	—	
Base of tongue	M	—																2	—	—	—	—	—	
	F	3																2	—	—	—	—	—	
Tongue, unspecified	T	14													1	2	1	2	2	4	2	1	1	
	M	8													—	1	1	—	2	1	2	1	1	
	F	6													—	1	—	2	—	3	—	—	—	
	T	70													2	1	5	2	4	12	7	11	2	1
	M	47													2	—	4	—	3	11	7	6	4	1
	F	23													—	1	2	1	—	4	3	7	1	—
																		—	—	—	—	—	—	

SITE	AGE-GROUP									Un know									
	Under 1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+
Parotid gland	T 11	M 7	F 4																
Salivary gland	T 6	M 5	F 1																
Upper gum	T 6	M 2	F 4																
Lower gum	T 5	M 2	F 3																
Gingiva	T 1	M 1	F 1																
Gum, unspecified	T 33	M 14	F 19																

TABLE III

SKINNED PLATES TO SEE MAD 2EX

AGE-GROUP	SITE	Under 1 1+ 5+ 10+ 15+ 20+ 25+ 30+ 35+ 40+ 45+										Un known		
		T	M	F	T	M	F	T	M	F	T	M	F	
Angle of mouth		2	1	1	1	1	1	2	1	1	2	2	1	1
Floor of mouth, part unspecified		17	16	1	1	1	1	2	1	5	2	2	1	1
Buccal mucosa		61	22	2	4	2	2	3	12	6	11	6	3	3
Hard palate		39	12	7	2	3	2	1	8	3	5	4	1	1
Soft palate		5	18	16	1	1	1	1	1	2	1	2	1	1
Palate, unspecified		2	5	4	1	1	1	1	1	2	4	1	1	1

SITE	AGE-GROUP	Under										Un										
		1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+	85+	90+	known
Skin, unspecified parts of face	T	44									1	3	6	7	6	9	5	5	1	1	1	
	M	19									—	—	4	5	3	3	1	2	—	—	—	
	F	25									—	—	3	2	2	3	6	4	3	1	1	
Skin, scalp, neck	T	6									1	1	1	2	1	1	1	1	1	1	1	
	M	4									—	—	1	1	1	1	1	1	1	1	1	
	F	2									—	—	—	—	—	—	—	—	—	—	—	
Skin, trunk, except scrotum	T	10									1	1	2	2	1	1	1	1	2	1	1	
	M	6									—	—	—	—	—	—	—	—	—	—	—	
	F	4									—	—	—	—	—	—	—	—	—	—	—	
Skin, lower limb, including hip	T	20									1	2	2	2	2	4	1	2	4	1	1	
	M	13									—	—	2	2	2	2	1	1	3	1	1	
	F	7									1	1	1	1	1	1	1	1	1	1	1	
Skin, other	T	9									2	1	1	1	1	1	1	1	1	1	1	
	M	5									—	—	—	—	—	—	—	—	—	—	—	
	F	4									1	1	1	1	1	1	1	1	1	1	1	
Skin, site unspecified	T	30									1	3	3	6	2	3	4	2	3	1	1	
	M	13									—	—	1	1	1	1	1	1	1	1	1	
	F	17									—	—	2	2	3	1	2	1	2	1	1	
Breast, unspecified	T	258									3	6	20	29	41	47	38	24	17	7	2	2
	M	3									—	—	—	—	—	—	—	—	—	3	2	
	F	255									3	6	20	29	41	46	38	23	17	17	6	2

SITE	AGE-GROUP	Under									Un known								
		1	1+	5+	10+	15+	20+	25+	30+	35+	40+	45+	50+	55+	60+	65+	70+	75+	80+
Malig. Neoplasm of Genito-Urinary Organs																			
Uterus, part unspecified	T	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cervix, unspecified	T	760	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	T	760	1	7	35	63	82	127	135	123	86	43	41	9	3	4	1	—	—
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	760	—	1	7	35	63	82	127	135	123	86	43	41	9	3	4	—	1
Choriocarcinoma	T	19	5	4	3	2	1	3	1	—	—	—	—	—	—	—	—	—	—
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	19	5	4	3	2	1	3	1	—	—	—	—	—	—	—	—	—	—
Corpus, uteri	T	32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ovary	T	106	2	5	6	3	7	7	12	23	10	14	4	7	2	1	2	1	1
	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	106	—	2	5	6	3	7	7	12	23	10	14	4	7	2	1	2	1

219 cases of malignant neoplasms of genito-urinary organs among 1000 patients

SITE	AGE-GROUP										Un known									
	Under 1	1 +	5 +	10 +	15 +	20 +	25 +	30 +	35 +	40 +	45 +	50 +	55 +	60 +	65 +	70 +	75 +	80 +	85 +	90 +
Penis, part unspecified																				
T	56	1	2	2	10	4	4	4	4	4	4	12	4	4	5	1	1	1	1	1
M	56	1	2	2	10	4	4	4	4	4	4	12	4	4	5	1	1	1	1	1
F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bladder	T	73	-	-	-	1	1	-	-	-	-	4	7	8	10	13	14	12	2	1
M	63	-	-	-	-	1	1	-	-	-	-	4	7	6	9	11	12	10	2	-
F	10	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	2	1
Kidney, except pelvis	T	16	6	1	-	-	-	-	-	-	-	-	-	-	2	3	2	1	1	1
M	11	3	3	1	-	-	-	-	-	-	-	-	-	-	2	3	1	1	1	1
F	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
Renal pelvis	T	5	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1
M	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
Ureter	T	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1
Urethra	T	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1

SITE	AGE-GROUP										Un known
	Under 1	1+	5+	10+	15+	20+	25+	30+	35+	40+	
Malig. Neoplasm of Other & Unspecified Sites											
Eyeball	T M	3 3	2 2	1 1							
Orbit	T M	1 1	1 1								
Conjunctiva	T M F	5 3 2	1 1	1 1							
Eye, part unspecified	T M F	4 3 3	4 3 1								
Brain, frontal	obe										
Brain stem	T M F	1 1 1	1 1 1								

TABLE IX
THE COMMON SITE OF MALIGNANCY BY PERCENTAGE
1977 - 1981

Site	1977	1978	1979	1980	1981
Total Cases	3,096	3,278	3,369	3,301	3,547
Cervix uteri	20.02	20.65	21.22	22.66	21.43
Oral cavity	9.72	8.42	9.62	9.45	8.09
Breast	7.56	7.11	6.64	7.48	7.27
Bronchus & Lung	5.69	6.77	5.94	4.91	5.19
Liver	4.85	4.94	6.29	5.82	5.07
Nasopharynx	4.52	3.97	4.45	4.54	4.37
Skin	4.81	4.70	4.19	4.82	4.14
Leukaemia	4.23	4.61	4.16	2.82	4.03
Larynx	2.62	2.87	3.09	2.75	3.10
Ovary	1.84	1.53	2.19	2.12	2.99

TABLE X
THE COMMON MALIGNANCY IN MALE

Site	Number	Percentage
Bronchus & Lung	147	9.53
Oral cavity	146	9.47
Liver	138	8.95
Nasopharynx	116	7.52
Larynx	95	6.16
Leukaemia	83	5.38
Oesophagus	71	4.60
Skin	70	4.54
Bladder	62	4.02
Penis	57	3.69

TABLE XI
THE COMMON MALIGNANCY IN FEMALE

Site	Number	Percentage
Cervix	760	37.91
Breast	255	12.72
Oral cavity	141	7.03
Ovary	106	5.29
Skin	77	3.84
Thyroid	61	3.04
Leukaemia	60	2.99
Liver	42	2.09
Buccal cavity	39	1.95
Bronchus & Lung	36	1.79

TABLE XII
RETICULUM CELL SARCOMA & MALIG. LYMPHOMA BY SITE

Site	Total		Reticulum cell sarcoma		Malig Lymphoma	
	M	F	M	F	M	F
Total	58	32	12	7	46	25
Parotid gland	—	1	—	1	—	—
Soft palate	1	—	1	—	—	—
Tonsil	2	1	2	1	—	—
Nasopharynx	3	1	2	—	1	1
Stomach	1	3	—	2	1	1
Small intestine	—	1	—	1	—	—
Colon	1	—	—	—	1	—
Rectum	1	1	—	—	1	1
Gall bladder	1	—	—	—	1	—
Nasal cavities	—	1	—	—	—	1
Maxillary sinus	1	—	1	—	—	—
Ethmoidal sinus	1	—	1	—	—	—
Mediastinum	1	—	—	—	—	—
Brain, part unspecified	1	—	—	—	1	—
Without specification of site	1	—	1	—	—	—
Reticulosarcoma	4	2	4	2	—	—
Lymphosarcoma	39	21	—	—	39	21

TABLE XIII
RETICULUM CELL SARCOMA & MALIG. LYMPHOMA BY AGE

AGE	Total		Reticulum cell sarcoma		Malig. lymphoma	
	M	F	M	F	M	F
	58	32	12	7	45	25
Under 1	1	—	—	—	1	—
1 +	1	1	—	—	1	1
5 +	1	—	—	—	1	—
10 +	2	—	—	—	2	—
15 +	4	1	—	1	4	—
20 +	5	1	—	—	5	1
25 +	4	2	1	—	3	2
30 +	5	3	4	—	1	3
35 +	2	1	—	—	2	1
40 +	5	4	2	1	3	3
45 +	6	5	2	3	4	2
50 +	5	2	—	—	5	2
55 +	3	3	—	1	3	2
60 +	6	3	2	—	4	3
65 +	3	2	—	—	3	2
70 +	4	4	1	†	3	3
75 +	1	—	—	—	1	—
80 +	—	—	—	—	—	—
85 +	—	—	—	—	—	—
90 +	—	—	—	—	—	—

TABLE XIV
NO. OF CASES OF MALIGNANCY BY PROVINCE AS REPORTED

Province	No. of cases	Malignancy		
		Total	Male	Female
All Provinces	3,547	1,542	2,005	
Anghong	20	9	11	
Bangkok	1,065	420	645	
Buriram	19	11	8	
Chanthaburi	22	6	16	
Cha-Choensao	29	15	14	
Chayaphum	32	20	12	
Chainat	12	6	6	
Chiengmai	4	1	3	
Chiengrai	5	3	2	
Chonburi	43	23	20	
Chumphon	22	13	9	
Kalasin	19	9	10	
Kamphaengphet	22	8	14	
Kanchana-buri	72	33	39	
Khonkaen	42	15	27	
Krabi	4	4	—	
Lampang	4	3	1	
Loei	12	6	6	
Lopburi	18	6	12	
Mahasarakharm	23	11	12	
Nakornnayok	11	4	7	
Nakornphathom	137	60	77	
Nakornphanom	13	3	10	
Nakhonsawan	56	19	37	
Nakornratchasima	59	26	33	
Nakornsithamarat	47	29	18	
Nan	—	—	—	
Narathiwat	5	3	2	
Nonthaburi	94	48	46	
Nongkhai	14	6	8	
Pathumthani	26	10	16	
Pathani	8	2	6	
Phang-nga	6	4	2	
Phattalung	13	7	6	
Phetburi	50	20	30	
Petchbun	44	14	30	
Phuket	20	10	10	
Phrae	6	3	3	
Phichit	24	9	15	
Pisnulok	29	9	20	
Prachinburi	33	16	17	
Prachuapkirkhan	34	16	18	
Pranakhornsriayuthaya	50	24	26	
Rajburi	92	52	40	
Ranong	9	5	4	
Rayong	11	6	5	
Roi-et	51	21	30	
Samutprakarn	68	25	43	
Samutsakhon	90	46	44	
Samutsongkhram	33	17	16	
Sakonakhon	25	14	11	
Satun	1	1	—	
Saraburi	23	10	13	
Singburi	24	12	12	

Provinces	Total	Male	Female
Songkhla	34	9	25
Srisaket	28	17	11
Sukhothai	22	6	16
Suphanburi	81	39	42
Suratthani	26	8	18
Surin	20	16	4
Tak	4	2	2
Trat	13	4	9
Trang	6	1	5
Ubonratchthani	21	7	14
Udonthani	53	14	39
Uthaithani	22	4	18
Utharadit	11	4	7
Yala	3	1	2
Yasothorn	7	2	5

TABLE XV
NUMBER OF MALIGNANCY BY OCCUPATION AND REGION

Occupation	Region				Total
	North	North-East	Central	South	
Farming	39	253	262	35	589
Plantation	15	23	180	37	255
Official	9	19	126	15	169
Worker	22	39	433	17	511
Housewife	29	90	776	57	952
Mercantile	11	36	309	27	383
Fishery	—	—	6	2	8
Priest	1	5	37	3	46
Unoccupied	9	18	98	8	133

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