

TUMOUR REGISTRY

CANCER INSTITUTE SIRIRAJ HOSPITAL



STATISTICAL REPORT

1973

FACULTY OF MEDICINE SIRIRAJ HOSPITAL

MAHIDOL UNIVERSITY

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PREFACE (YEAR 1969)

This statistics of cancer is the third publication. The first in 1960, and the second in 1961, then it has been given up for 8 years. The reason of interruption was due to the establishment of the central statistic section of Siriraj Hospital in 1961. This section is well equipped with commodities and personnel and the Cancer Institute tried to refrain from repeated of works. But it found out later that the central statistic section of Siriraj Hospital collected only in-patient statistics and was unable to cover the statistics of out-patient department. The Committee of Cancer Institute of Siriraj Hospital agreed to appoint Subcommittee of Tumour Registry to carry on collecting the cancer statistics of the whole in-and-out patients.

The cancer statistics is collected from all O.P.D. cards and examining rooms of every department such as surgery, obstretic and gynaecology, eye, ear, nose and throat, medicine, and tumour clinics of every department. The diagnosis are checked and confirmed by the histological reports from the department of pathology.

The aim of the statistics is to find out the incidence of cancer patients who come to attend and be examined in Siriraj Hospital, to classify the diseases, age, sex and pathological changes which may be useful for the clinicians. We shall be very much appreciated for all comments from the clinicians who wish to use this statistics. We are grateful to Prof. Pradit Tansurat M.D., head department of pathology, Dr. Tongnong Nitayasudhi and Dr. Vichai Bamrundphol and other clinicians for their genuine cooperation.

Classification of cancer follows the code of WHO as appear in the Manual of the International Classification of Diseases, Injuries and Causes of Death, 7th revision, and will be revised according to the 8th edition next year.

This statistics is completed by the determined mind and strong effort of Mrs. Chuchit Suvongse and officials, including Dr. Visut Vootiprux who has spent times and ideas for this work.

R. Suvanasuthi, M.D.
Chairman of the Subcommittee
of Tumour Registry.

PREFACE (YEAR 1970)

The classification of cancer in the Statistical Report of 1970 follows the code of WHO, The International Classification of Diseases, Injuries, and Causes of Death, 8th. revision, 1965. According to this classification, there are some alternations in the age-group, code numbers, and sites of some malignant neoplasms. In this report, the table on Malignant Neoplasms in Childhood (Table VIII) is added for the pediatricians. I shall be very much appreciated if somebody would let me know what other informations you are interested and in what way this report will be more useful. The reliability of the statistics herein, require much effort and cooperation of the doctors and officers in charge of the statistical divisions in the departments concerned, including those in the Department of Pathology and Out Patient Department. I wholeheartedly thank to the above mentioned staffs, as well as those in the Tumour Registry, especially Mrs. Chuchit Suvongse and Dr. Visut Vootiprux whose tireless efforts make this report possible.

On this occasion, I would like to express my gratitude to Dr. Tongnong Nitayasudhi, of the Department of Surgery, who sacrifices himself for the sake of the completeness of this report, and I feel so sorry to learn that his hardload of work prevent him from doing the statistical work anymore.

R. Suvanasuthi, M.D.

Chairman of the Subcommittee
of Tumour Registry.

PREFACE (YEAR 1971)

As there is a controversy of the opinion that the work of the Tumour Registry is a repetition of that of the Clinical Departments and that's why the Tumour Registry cannot simply use the statistics of the Clinical Departments. We beg to inform that the actual facts are not as simple as that for our aims are not alike. The process in collecting of the raw data between the Clinical Departments and the Cancer Institute are quite different, for example, the Clinical Departments compiling the statistics from the number of the in-patients only, and reported according to the date that those patients were admitted in some departments; and others to the date of discharge, while the Cancer Institute recorded both in-and-out patients and to the date that the incidence occurred.

The method and the aim in presenting the statistical report of the Tumour Registry are already mentioned in the report for the year 1969. This is the fifth one which we have to say that it could be accomplished by the cordial cooperation of all the doctors concerned, especially Dr. Nivat Chantarakul of the Pathology Department to whom we are indebted. We wish to thank the Subcommittee of the Tumour Registry who try very best in making this report as valuable and dependable as possible, and also to the staff of the Tumour Registry for their assistance in preparing it.

R. Suvanasuthi, M.D.

Chairman of the Subcommittee
of Tumour Registry.

PREFACE (YEAR 1972)

Cancer statistics is undoubtedly an important data to foster the cancer research and control in every nation. This year, Prof. Prasert Nilprabhassorn, M.D., Secretary of the Committee of the Cancer Institute Siriraj Hospital, Dr. Visoot Vootiprux M.D., and Mrs. Choojit Suvongse, B.A. presented the Cancer statistics of Siriraj Hospital with the emphasis on increasing incidence of CA. liver to the AFOCC (The Asian Federation of Organisation for Cancer Research and Control), 2nd Asian cancer Conference held in Singapore on 22–25th September, 1975. Mrs. Suvongse also took this opportunity to observe the Singapore Tumour Registry and expect to apply her observation by including more information in the next year report, i.e. to present not only the incidence but also those concern the epidemiology, death rate, and survival rate of cancer. The latter are very useful information, but rather a tough work and it could not be succeeded without the good co-operation of the Siriraj hospital's Medical Records and Statistics Department.

The rising number of the liver cancer cases from 123 cases (4.9%) in 1969, 149 cases (5.7%) in 1970, 197 cases (6.8%) in 1971, and 263 cases (8.6%) in 1972, may not be due to the actual increase of the incidence of liver cancer in this country, but to the improve method of collecting the raw data as well as to the improvement of methods of investigation and treatment of this disease in Siriraj Hospital. The steadily fall of the cancer of oral cavity from 365 cases (14.7%) in 1969, 351 cases (13.5%) in 1970, 368 cases (12.7%) in 1971 and 265 cases (8.7%) in 1972, can accepted to be the actual decreasing incidence which was because of the younger generation of the Thai People abandon the habit of chewing betel-nuts. If this is the true way of controlling the disease, why should we not use with more effort and knowledge in campaigning cancer of the other sites such as cancer of cervix uteri, liver and lung which have high incidences and known predisposing factors of etiology.

We are very sorry for the death of Dr. Tongnong Nitayasudhi, of the Department of Surgery, who had helped this Tumour Registry for a long time.

We are very grateful and give our utmost sincere thanks to those officers, nurses and doctors in every clinical department and O.P.D., who unceasingly work for the completeness of this report.

R. Suvanasuthi, M.D.

Chairman of the Subcommittee
of Tumour Registry.

PREFACE (YEAR 1973)

The publication of this statistical report is few months earlier than the previous year. The work of the next year report is in progress; because we are realising the important of supplying the clinicians as well as the researchers with the up to date informations.

The sites and frequency of the 10 leading malignancies in Thailand are practically unchanged during the past four years which constitute about 65 percents of all cancer cases. Thus our controlling and early detection programme should emphasis to these sites.

We are deeply regret to the death of Professor Prasert Nilprapassorn, Head of the Division of Radiation Therapy, Honorary Secretary of the Cancer Institute Siriraj Hospital and also a subcommittee of Tumour registry, whose energetic efforts have been impetuous to the development of this work.

Should there may be any comments to hasten the work and completeness of this report is welcome. Many thanks to all of our colleagus in various clinical departments for their co-operation and to the tumour registry staffs for their endeavor.

R. Suvanasuthi, M.D.

Chairman of the Subcommittee
of Tumour Registry.

Romsai Suvanasuthi, M.D.

Chairman

Executive Committee Cancer Institute

Siriraj Hospital

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Bangkok 7, Thailand

INTRODUCTION

Another move of Siriraj Hospital Cancer Institute this year is its accomplishment in compiling the statistical report of 1973. The task—force has been painstakingly performed by the Cancer Institute with co—operation of the Central Statistics Department of Siriraj Hospital to which a great gratitude is due.

One of the most contributory statistical information is that of TABLE IV, THE TEN LEADING SITES of which malignant neoplasms are:— cervix uteri—17.2, oral cavity—11.0, breast—6.5, liver—6.3, skin—5.8, nasopharynx—4.5, trachea, bronchus and lungs—4.3, oesophagus—3.9, hypopharynx—2.5 successively. One may say those of the five common cancer in Thailand are cervix uteri, oral cavity, breast, liver and skin during the past five years whereas those of nasopharynx, trachea, bronchus and lungs, oesophagus, stomach and hypopharynx are about the same prevalence. These findings are to be supported by our ten—year statistics. Apart from this, one may very well have a rich source of detailed information on various groups of malignant tumours in different body systems. Other tables are also of significant value. These tables should be most useful to many investigators for their future references and their vertical studies.

Moreover, the Executive Committee of the Cancer Institute Siriraj Hospital has successfully worked on this task which will include, in particular, additional statistics to be completed up to 1976 next December.

Such unfailing efforts of Professor Rojana Suvanasuthi who laid down the foundation of this work, and of the past Professor Prasert Nilprabhassorn and his colleagues are highly appreciated. We thank our colleagues in Pathology, Dr. Nivat Chantarakul and his team, and many other workers in various Departments for their heartfelt co—operation. Dr. Visoot Vootiprux, Mrs. Choojit Suvongse and staffs are to be commended for their untiring activities.

Romsai Suwanik, M.D.

Romsai Suwanik, M.D.

Chairman

Executive Committee Cancer Institute

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TABLE IV

TABLE I

Number of Patients

Type of Patient	No. of Cases
Total No. of patients at O.P.D.	562,776
Total No. of new patients	243,959
Total No. of new malignancies	3,077

The cancer patients are about 1.26% of all new patients

TABLE II

Diagnosis

Diagnosed by	Number	Percentage
Histological proof	2,863	93.0
Clinical and X-ray	214	7.0
Total	3,077	100

TABLE III

Number of Malignant Neoplasms by Age and Sex

No. of Cases

Age-Group	M	F	TOTAL	%
Under 1	4	1	5	0.2
1+	66	47	113	3.7
15+	58	66	124	4.0
25+	73	130	203	6.6
35+	185	354	539	17.5
45+	274	388	662	21.5
55+	389	334	723	23.5
65+	391	309	700	22.7
Unknown	4	4	8	0.3
Total	1,444	1,633	3,077	100

TABLE IV

Code	Site	Primary Site		Cases TOTAL	%
		No. M	of F		
	Grand Total	1,444	1,633	3,077	100
140-149	Malig. Neoplasm of				
	Buccal Cavity and Pharynx	365	262	627	20.4
140	Lip	13	46	59	1.9
141	Tongue	60	39	99	3.2
142	Salivary gland	7	5	12	0.4
143	Gum	25	36	61	2.0
144	Floor of mouth	12	1	13	0.4
145.0	Buccal mucosa	13	53	66	2.1
145.1	Palate (hard) (Soft)	30	7	37	1.2
145.8	Other specified parts of mouth	2	-	2	0.1
145.9	Part unspecified of mouth	-	2	2	0.1
146	Oropharynx	14	3	17	0.6
146.0	Tonsil	30	12	46	1.4
147	Nasopharynx	95	44	139	4.5
148	Hypopharynx	64	14	78	2.5
150-159	Malig. Neoplasm of Digestive				
	Organs and Peritoneum	412	182	594	19.3
150	Oesophagus	92	29	121	3.9
151	Stomach	69	34	103	3.3
152	Small intestine, including duodenum	7	4	11	0.3
153	Large intestine, except rectum	29	25	54	1.8
153.3	Sigmoid colon	2	-	2	0.1
154	Rectum and rectosigmoid junction	29	29	58	1.9
155	Liver and intrahepatic bile ducts	151	42	193	6.3
156	Gall bladder and ducts	16	8	24	0.8
156.2	Ampulla of Vater	1	-	1	-
157	Pancreas	11	6	17	0.6
158	Peritoneum and retroperitoneal tissue	5	5	10	0.3
160-163	Malig. Neoplasm of Respiratory				
	System	182	40	222	7.2
160	Nose, nasal cavities, middle ear and accessory sinuses	19	10	29	0.9
161	Larynx	59	2	61	2.0
162	Trachea, bronchus and lung	104	27	131	4.3
163.1	Mediastinum	-	1	1	-
170-174	Malig. Neoplasm of Bone, Connective				
	tissue, Skin and Breast	154	308	462	15.0
170	Bone	15	7	22	0.7
171	Soft tissue	38	25	63	2.0
172	Melanoma of Skin	7	2	9	0.3

173	Skin, lips	1	2	3	0.1
173.1	Skin, eyelids	10	10	20	0.6
173.2	Skin, ear	5	3	8	0.3
173.3	Skin, unspecified parts of face	18	31	49	1.6
173.4	Skin, scalp and neck	2	4	6	0.2
173.5	Skin, scrotum	2	—	2	0.1
173.6	Skin, trunk except scrotum	5	3	8	0.3
173.7	Skin, upper limb	8	4	12	0.4
173.8	Skin, lower limb	19	6	25	0.8
173.9	Skin, site unspecified	22	13	35	1.1
174	Breast	2	198	200	6.5
180–189	Malig. Neoplasm of Genito–Urinary Organs	133	677	810	26.3
180	Cervix uteri	—	530	530	17.2
182.0	Corpus uteri	—	25	25	0.8
182.9	Uterus	—	8	8	0.3
183	Ovary	—	68	68	2.2
184	Vagina	—	4	4	0.1
184.1	Vulva	—	11	—	0.4
185	Prostate	20	—	20	0.6
186	Testes	3	—	3	0.1
187.0	Penis	39	—	39	1.3
187.8	Other specified sites	1	—	1	—
188	Bladder	55	21	76	2.5
189.0	Kidney	13	8	21	0.7
189.2	Ureter	2	2	4	0.1
190–199	Malig. Neoplasm of other and unspecified sites	109	119	228	7.4
190	Eye	10	13	23	0.7
191	Brain	27	18	45	1.5
192.0	Nervous System, cranial nerves	1	3	4	0.1
192.2	Nervous System, spinal cord	1	1	2	0.1
192.5	Sympathetic nervous system	1	—	1	—
192.9	Nervous system, site unspecified	—	1	1	—
193	Thyroid gland	16	46	62	2.0
194	Suprarenal gland	1	1	2	0.1
195	III–defined sites	1	1	2	0.1
199	Without specification of site	51	35	86	2.8
200–209	Neoplasm of Lymphatic and Haematopoietic tissue	89	45	134	4.4
200	Lymphosarcoma and reticulum cell sarcoma	22	14	36	1.2
201	Hodgkin's disease	21	1	22	0.8
204	Lymphatic leukaemia	17	12	29	0.9
205	Myeloid leukaemia	21	15	36	1.2
206	Monocytic leukaemia	1	—	1	—
207	Other and unspecified Leukaemia	7	3	10	0.3

TABLE V

Pathology According to Site

140	Malig.	Neoplasm of Lips	59	cases
		Sq. cell ca.	58	"
		No histological proof	1	"
141	Malig.	Neoplasm of Tongue	99	cases
		Sq. cell ca.	84	"
		Undiff. ca.	8	"
		Adenocarcinoma	1	"
		No histological proof	6	"
142	Malig.	Neoplasm of Salivary gland	12	cases
		Adenocarcinoma	5	"
		Sq. cell ca.	2	"
		Malignant mixed tumour	2	"
		Undiff. ca.	2	"
		Mucoepidermoid ca.	1	"
143	Malig.	Neoplasm of Gum	61	cases
		Sq. cell ca.	53	"
		Undiff. ca.	3	"
		No histological proof	5	"
144	Malig.	Neoplasm of Mouth	13	cases
		Sq. cell ca.	12	"
		No histological proof	1	"
145.0	Malig.	Neoplasm of Buccal Mucosa	66	cases
		Sq. cell ca.	61	"
		No histological proof	5	"
145.1	Malig.	Neoplasm of Palate	37	cases
		Sq. cell ca.	34	"
		Adenocarcinoma	1	"
		Undiff. ca.	1	"
		No histological proof	1	"
145.8	Malig.	Neoplasm of other Specified Parts of Mouth	2	cases
		Sq. cell ca.	2	"
145.9	Malig.	Neoplasm of Parts Unspecified of Mouth	2	cases
		Sq. cell ca.	2	"
146	Malig.	Neoplasm of Oropharynx	17	cases
		Sq. cell ca.	15	"
		Undiff. ca.	1	"
		Reticulum cell sarcoma	1	"
146.0	Malig.	Neoplasm of Tonsil	42	cases
		Sq. cell ca.	28	"
		Undiff. ca.	8	"
		Adenocarcinoma	2	"
		Reticulum cell sarcoma	2	"
		Mucoepidermoid ca.	1	"
		No histological proof	1	"

147	Malig.	Neoplasm of Nasopharynx	139	cases
		Undiff. ca.	72	"
		Sq. cell ca.	61	"
		Reticulum cell sarcoma	1	"
		No histological proof	5	"
148	Malig.	Neoplasm of Hypopharynx	78	cases
		Sq. cell ca.	69	"
		Undiff. ca.	6	"
		No histological proof	3	"
150	Malig.	Neoplasm of Oesophagus	121	cases
		Sq. cell ca.	86	"
		Adenocarcinoma	5	"
		Undiff. ca.	3	"
		No histological proof	27	"
151	Malig.	Neoplasm of Stomach	103	cases
		Adenocarcinoma	63	"
		Undiff. ca.	11	"
		Mucinous carcinoma	7	"
		Reticulum cell sarcoma	2	"
		Malignant lymphoma, lymphoblastic type	1	"
		Leiomyosarcoma	1	"
		No histological proof	18	"
152	Malig.	Neoplasm of Small Intestine	11	cases
		Reticulum cell sarcoma	5	"
		Adenocarcinoma	2	"
		Hodgkin's disease	1	"
		Lymphosarcoma, unspecified type	1	"
		No histological proof	2	"
153	Malig.	Neoplasm of Large Intestine	54	cases
		Adenocarcinoma	46	"
		Reticulum cell sarcoma	2	"
		Undiff. ca.	1	"
		No histological proof	5	"
153.3	Malig.	Neoplasm of Sigmoid Colon	2	cases
		Adenocarcinoma	1	"
		No histological proof	1	"
154	Malig.	Neoplasm of Rectum	58	cases
		Adenocarcinoma	45	"
		Undiff. ca.	3	"
		Leiomyosarcoma	2	"
		Malignant lymphoma, lymphocytic type	1	"
		No histological proof	7	"
155	Malig.	Neoplasm of Liver	193	cases
		Hepatocellular carcinoma	101	"
		Undiff. ca.	28	"

		Cholangiocarcinoma.	26	cases
		Adenocarcinoma	15	"
		No histological proof	23	"
156	Malig.	Neoplasm of Gall Bladder and Bile Ducts	24	cases
		Adenocarcinoma	18	"
		Undiff. ca.	3	"
		No histological proof	3	"
156.2	Malig.	Neoplasm of Ampulla of Vater	1	cases
		Carcinoma	1	"
157	Malig.	Neoplasm of Pancreas	17	cases
		Adenocarcinoma	8	"
		Undiff. ca.	2	"
		Malignant islet cell tumour	1	"
		Carcinoma, acinar cell type	1	"
		No histological proof	5	"
158	Malig.	Neoplasm of Peritoneum and Retroperitoneal tissue	10	cases
		Reticulum cell sarcoma	3	"
		Neurofibrosarcoma	2	"
		Malignant mesenchymoma	1	"
		Fibrosarcoma	1	"
		Malignant lymphoma, unspecified type	1	"
		Mesothelioma	1	"
		Liposarcoma	1	"
160	Malig.	Neoplasm of Nose, Nasal Cavities, Middle Ear and Accessory Sinuses	29	cases
		Sq. cell ca.	15	"
		Undiff. ca.	7	"
		Adenocarcinoma	3	"
		Reticulum cell sarcoma	3	"
		No histological proof	1	"
161	Malig.	Neoplasm of Larynx	61	cases
		Sq. cell ca.	57	"
		Undiff. ca.	2	"
		No histological proof	2	"
162	Malig.	Neoplasm of Trachea, Bronchus and Lung	131	cases
		Undiff. ca.	52	"
		Sq. cell ca.	26	"
		Adenocarcinoma	19	"
		Alveolar ca.	5	"
		No histological proof	29	"
163.1	Malig.	Neoplasm of Mediastinum	1	cases
		Neurofibrosarcoma	1	"
170	Malig.	Neoplasm of Bone	22	cases
		Malignant giant cell tumour	6	"
		Osteogenic sarcoma	6	"

	Ewing's sarcoma	6	cases
	Reticulum cell sarcoma	2	"
	Chondrosarcoma	1	"
	Plasma cell myeloma	1	"
171 Malig.	Neoplasm of Connective and Other Soft tissue	64	cases
	Reticulum cell sarcoma	18	"
	Fibrosarcoma	11	"
	Rhabdomyosarcoma	10	"
	Leiomyosarcoma	3	"
	Synovial sarcoma	3	"
	Malignant hemangiopericytoma	3	"
	Malignant mixed mesodermal tumour	2	"
	Leiposarcoma	2	"
	Teratocarcinoma	2	"
	Malignant mesenchymoma	2	"
	Sarcoma, uncertain type	2	"
	Lymphosarcoma, lymphoblastic type	2	"
	Malignant histiocytosis	1	"
	Dermatofibrosarcoma	1	"
	Neurofibrosarcoma	1	"
172 Malig.	Melanoma of Skin	9	cases
	Malignant melanoma	9	"
173.0 Malig.	Neoplasm of Skin, Lips	3	cases
	Basal cell ca.	2	"
	Sq. cell ca.	1	"
173.1 Malig.	Neoplasm of Skin, Eyelids	20	cases
	Basal cell ca.	10	"
	Sebaceous gland ca.	3	"
	Undiff. ca.	2	"
	Malignant melanoma	2	"
	Sq. cell ca.	2	"
	Bowen's Disease	1	"
173.2 Malig.	Neoplasm of Skin, Ear	8	cases
	Sq. cell ca.	4	"
	Basal cell ca.	4	"
173.3 Malig.	Neoplasm of Skin, unspecified Parts of Face	49	cases
	Basal cell ca.	33	"
	Sq. cell ca.	13	"
	Reticulum cell sarcoma	2	"
	Bowen's disease	1	"
173.4 Malig.	Neoplasm of Skin, Scalp	6	cases
	Sq. cell ca.	3	"
	Basal cell ca.	2	"
	Undiff. ca.	1	"
173.5 Malig.	Neoplasm of Skin, scrotum	2	cases
	Sq. cell ca.	2	"

173.6 Malig.	Neoplasm of Skin, Trunk except Scrotum	8	cases
	Sq. cell ca.	7	"
	Sweat gland ca.	1	"
173.7 Malig.	Neoplasm of Skin, Upper limb	12	cases
	Sq. cell ca.	11	"
	Bowen's disease	1	"
173.8 Malig.	Neoplasm of Skin, Lower limb	25	cases
	Sq. cell ca.	24	"
	Basal cell ca.	1	"
173.9 Malig.	Neoplasm of Skin, unspecified	35	cases
	Sq. cell ca.	17	"
	Basal cell ca.	16	"
	Bowen's disease	2	"
174 Malig.	Neoplasm of Breast	199	cases
	Infiltrating duct ca.	65	"
	Undiff. ca.	57	"
	Adenocarcinoma	32	"
	Intraductal ca.	4	"
	Comedo carcinoma	2	"
	Medullary ca.	2	"
	Mucinous ca.	2	"
	Malignant cystosarcoma phylloides	2	"
	Sq. cell ca.	1	"
	Fibrosarcoma	1	"
	No histological proof	31	"
180 Malig.	Neoplasm of Cervix	530	cases
	Sq. cell ca.	439	"
	Adenocarcinoma	55	"
	Carcinoma in Situ	26	"
	Undiff. ca.	3	"
	Medullary ca.	1	"
	No histological proof	6	"
182.0 Malig.	Neoplasm of Corpus uteri	25	cases
	Adenocarcinoma	21	"
	Undiff. ca.	3	"
	No histological proof	1	"
182.9 Malig.	Neoplasm of Uterus	8	cases
	Choriocarcinoma	6	"
	Leiomyosarcoma	2	"
183 Malig.	Neoplasm of Ovary, Fallopian Tube and Broad Ligaments	68	cases
	Adenocarcinoma	28	"
	Cystadenocarcinoma	9	"
	Dysgerminoma	8	"
	Sq. cell ca.	7	"
	Teratocarcinoma	3	"

	Undiff. ca.	3	cases
	Malignant granulosa cell tumour	2	"
	Medullary ca.	1	"
	Malignant mixed mesodermal tumour	1	"
	Carcinoma in Situ	1	"
	Reticulum cell sarcoma	1	"
	Papillary ca.	1	"
	Arrhenblastoma	1	"
	No histological proof	2	"
184.0 Malig.	Neoplasm of Vagina	4	cases
	Sq. cell ca.	3	"
	Adenocarcinoma	1	"
184.1 Malig.	Neoplasm of Vulva	11	cases
	Sq. cell ca.	9	"
	Undiff. ca.	1	"
	Fibrosarcoma	1	"
185 Malig.	Neoplasm of Prostate	20	cases
	Adenocarcinoma	13	"
	Undiff. ca.	4	"
	No histological proof	3	"
186 Malig.	Neoplasm of Testes	3	cases
	Seminoma	1	"
	Malignant lymphoma, reticulum cell type	1	"
	Rhabdomyosarcoma	1	"
187.0 Malig.	Neoplasm of Penis	39	cases
	Sq. cell ca.	39	"
187.8 Malig.	Neoplasm of Spermatic Cord	1	cases
	Undiff. ca.	1	"
188 Malig.	Neoplasm of Bladder	76	cases
	Transitional cell ca.	54	"
	Adenocarcinoma	4	"
	Sq. cell ca.	4	"
	Sarcoma botryoides	2	"
	Undiff. ca.	1	"
	Rhabdomyosarcoma	1	"
	No histological proof	10	"
189.0 Malig.	Neoplasm of Kidney	21	cases
	Renal cell ca.	8	"
	Transitional cell ca.	5	"
	Wilm's tumour	3	"
	Undiff. ca.	3	"
	Fibrosarcoma	1	"
	Adenocarcinoma	1	"
189.2 Malig.	Neoplasm of Ureter	4	cases
	Transitional cell ca.	3	"
	Sq. cell ca.	1	"

190	Malig.	Neoplasm of Eye	23	cases
		Retinoblastoma	13	"
		Sq. cell ca.	6	"
		Malignant melanoma	4	"
191	Malig.	Neoplasm of Brain	45	cases
		Astrocytoma	13	"
		Meningioma	8	"
		Glioblastoma	6	"
		Ependymoma	6	"
		Craniopharyngioma	3	"
		Medulloblastoma	2	"
		Chromophobe adenoma	1	"
		Pinealoma	1	"
		Oligodendroglioma gr. II	1	"
		Microglioma (Reticulum cell sarcoma)	1	"
		Acoustic neuroma	1	"
		No histological proof	2	"
192.0	Malig.	Neoplasm of Nervous System, Cranial nerves	4	cases
		Neurilemmoma	3	"
		Ganglioneuroblastoma	1	"
192.2	Malig.	Neoplasm of Nervous System, Spinal cord	2	cases
		Astrocytoma	1	"
		Neurilemmoma	1	"
192.5	Malig.	Neoplasm of Sympathetic Nerve	1	cases
		Neuroblastoma	1	"
192.9	Malig.	Neoplasm of Nervous System, Site Unspecified	1	cases
		Neurilemmoma	1	"
193	Malig.	Neoplasm of Thyroid	62	cases
		Papillary ca.	40	"
		Undiff. ca.	7	"
		Follicular ca.	4	"
		Medullary ca.	4	"
		Sq. cell ca.	3	"
		No histological proof	4	"
194.0	Malig.	Neoplasm of Other Endocrine Gland	2	cases
		Neuroblastoma	2	"
195	Malig.	Neoplasm of Ill-Defined Sites	2	cases
		Carcinoma	1	"
		Malignant lymphoma, lymphoblastic type	1	"
199	Malig.	Neoplasm of Unspecified Site	84	cases
		Undiff. ca.	30	"
		Adenocarcinoma	27	"
		Sq. cell ca.	22	"
		Malignant melanoma	1	"

	Krukenberg tumour	1	cases
	Hodgkin's disease, mixed cellularity type	1	"
	Malignant lymphoma	1	"
	Lymphosarcoma, lymphoblastic type	1	"
	Papillary ca.	1	"
	No histological proof	1	"
200	Lymphosarcoma and Reticulum cell sarcoma	36	cases
	Reticulum cell sarcoma	32	"
	Lymphosarcoma, lymphocytic type	3	"
	Malignant lymphoma, lymphoblastic type	1	"
201	Hodgkin's disease	22	cases
	Hodgkin's Disease	22	"
204	Lymphatic Leukaemia	29	cases
	Acute	16	"
	Chronic	13	"
205	Myeloid Leukaemia	36	cases
	Acute	22	"
	Chronic	14	"
206	Monocytic Leukaemia	1	cases
	Acute	1	"
207	Other and Unspecified Leukaemia	10	cases
	Acute	8	"
	Unspecified	2	"

TABLE VI

The 10 leading Sites

Site	No. of Cases		TOTAL	%
	M	F		
All Sites	1,444	1,633	3,058	100
Cervix uteri	—	530	530	17.2
Oral cavity (not including pharynx)	155	184	339	11.0
Breast	2	197	199	6.5
Liver	151	42	193	6.3
Skin	99	78	177	5.8
Nasopharynx	95	44	139	4.5
Trachea, bronchus & lung	103	27	130	4.3
Oesophagus	92	29	121	3.9
Stomach	69	34	103	3.3
Hypopharynx	64	14	78	2.5

TABLE VII

Malignant Neoplasm in Childhood

Site	Age-Group	No. Of		Cases	1-4		5-9		10-14	
		M	F		M	F	M	F		
	Total	70	48	118	26	14	22	16	22	18
147	Nasopharynx	3	1	4	-	-	1	-	2	1
154	Rectum and rectosigmoid junction	-	1	1	-	-	-	1	-	-
155	Liver	2	1	3	-	-	-	-	2	1
158	Peritoneum and retroperitoneal tissue	1	-	1	-	-	1	-	-	-
170	Bone	2	3	5	-	-	-	2	2	1
171	Soft tissue	9	6	15	6	2	-	2	3	2
183	Ovary	-	2	2	-	-	-	-	-	2
188	Bladder	2	-	2	2	-	-	-	-	-
189	Kidney	3	2	5	3	1	-	1	-	-
190	Eye	5	8	13	4	5	1	2	-	1
191	Brain	7	8	15	-	1	4	5	3	2
192	Nervous system, cranial nerves	-	1	1	-	-	-	-	-	1
192.2	Nervous system, spinal cord	1	1	2	-	1	-	-	1	-
192.5	Sympathetic nerves system	1	-	1	1	-	-	-	-	-
194	Suprarenal gland	1	1	2	1	1	-	-	-	-
195	Ill-defined sites	1	-	1	1	-	-	-	-	-
199	Without specification of site	1	1	2	-	1	-	-	1	-
200	Lymphosarcoma and reticulum cell sarcoma	2	2	4	-	-	1	-	1	2
201	Hodgkin's disease	6	-	6	1	-	2	-	3	-
204	Lymphatic leukaemia	11	6	17	3	2	6	1	2	3
205	Myeloid leukaemia	10	4	14	3	-	5	2	2	2
207	Other and unspecified leukaemia	2	-	2	1	-	1	-	-	-

TABLE VIII
Primary Sites as to Age and Sex

AGE-GROUP	No. OF CASES		UNDER 1		1 +		15 +		25 +		35 +		45 +		55 +		65 +		UNKNOWN		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
TOTAL	1,444	1,633	4	1	66	47	58	66	73	130	185	354	274	388	389	334	391	309	4	4	
GRAND TOTAL	3,077	1,444	1,633	4	1	66	47	58	66	73	130	185	354	274	388	389	334	391	309	4	4
MALIGNANT NEOPLASMS OF																					
BUCCAL CAVITY AND PHARYNX																					
Lip	59	13	46																		
Tongue	99	60	39																		
Salivary gland	12	7	5																		
Gum	61	25	36																		
Floor of mouth	13	12	1																		
Buccal mucosa	66	13	53																		
Palate (hard) (Soft)	37	30	7																		
Other specified parts of mouth	2	2																			
Parts unspecified of mouth	2		2																		
Oropharynx	17	14	3																		
Tonsil	42	30	12																		
Nasopharynx	139	95	44																		
Hypopharynx	78	64	14																		
MALIGNANT NEOPLASMS OF																					
DIGESTIVE ORGANS AND PERITONEUM																					
Oesophagus	121	92	29																		
Stomach	103	69	34																		
Small intestine, including duodenum	11	7	4																		

SITE	No. OF CASES		UNDER 1		1 +		15 +		25 +		35 +		45 +		55 +		65 +		UNKNOWN		
	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Large intestine, except rectum	54	29	25			1	2	1	2	2	2	6	5	7	4	8	5	5	7		
Sigmoid colon	2	2	—						1	—	1	—	—	—	—	—	—	—	—	—	—
Rectum & rectosigmoid junction	58	29	29			—	1	1	—	3	3	7	5	4	9	3	4	11	7		
Liver & intrahepatic bile ducts	193	151	42			2	1	7	—	9	1	30	10	49	15	42	8	11	7	1	
Gall bladder & ducts	24	16	8			—	2	—	2	1	—	1	1	6	—	5	3	3	2		
Ampulla of Vater	1	1	—													1	—	—	—		
Pancreas	17	11	6			1	1	1	1			2	—	4	—	3	1	1	4		
Peritoneum & retroperitoneal tissue	10	5	5			1	—		1	—	—	1	1	1	—	2	3	—	1		
MALIG. NEOPLASM OF RESPIRATORY SYSTEM																					
Nose, nasal cavities, middle ear & accessory sinuses	29	19	10					1	—	1	—	5	2	5	4	5	—	2	4		
Larynx	61	59	2						4	—	2	—	9	—	19	1	25	1			
Trachea bronchus & lung	131	104	27			2	1	1	1	1	1	10	5	18	3	37	10	35	7		
Mediastinum	1	—	1											—	—	—	—	—	—		
MALIG. NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST																					
Bone	22	15	7			2	3	9	—	1	2	1	—	—	1	2	1				
Soft tissue	64	38	26			—	8	6	1	5	3	8	5	5	1	7	3	5	4		
Melanoma of skin	9	7	2								1	1	—	1	—	1	—	4	—		
Skin, lips	3	1	2													—	—	1	1	1	1

SITE	AGE-GROUP		No. OF CASES		1 +		15 +		25 +		35 +		45 +		55 +		65 +		UNKNOWN		
			UNDER 1		M F		M F		M F		M F		M F		M F		M F				
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
MALIG. NEOPLASM OF OTHER AND UNSPECIFIED SITES																					
Eye	23	10	13		5	8	1		1	1	1	1	1	3	2	1					
Brain	45	27	18		7	8	4	3	4	1	6	3	4	2	2	1					
Nervous system, cranial nerves	4	1	3			1			1	1	1	1									
Nervous system, spinal cord	2	1	1		1	1															
Sympathetic nervous system	1	1			1																
Nervous system, site unspecified	1		1													1					
Thyroid gland	62	16	46		2	1			1		5	7	4	9	5	5	2	6		1	
Suprarenal gland	4	3	1																		
Ill-defined sites	2	1	1		1											1					
Without specification of site	84	49	35			1		4	3	7	8	8	9	3	15	8	14	8			
NEOPLASM OF LYMPHATIC AND HAEMATOPOIETIC TISSUE																					
Lymphosarcoma & reticulum cell sarcoma	36	22	14		2	2	3		1	2	8	2	3	2	5	1				5	
Hodgkin's disease	22	21	1		6		2		3		6		1	1	1		2				
Lymphatic leukaemia	29	17	12		11	6	3	6	1				1		1						
Myeloid leukaemia	36	21	15	1	9	4	3	6	3		2	3	3	1		1					
Monocytic leukaemia	1	1														1					
Other and unspecified leukaemia	10	7	3		2		4	2		1					1						

TABLE IX

THE COMMON SITES OF CARCINOMA BY PERCENTAGE

1970-1973

SITES	PERCENTAGE			
	1970	1971	1972	1973
Oral cavity (not including pharynx)	13.5	12.7	10.8	11.0
Cervix uteri	12.6	13.4	12.1	17.2
Nasopharynx	6.4	4.8	4.0	4.5
Breast	6.3	6.2	7.1	6.5
Skin	5.9	5.4	4.9	5.8
Liver	5.7	6.8	8.6	6.3
Larynx	4.3	2.5	3.1	2.0
Trachea, bronchus and lung	3.4	3.7	4.0	4.3
Oesophagus	3.2	4.6	4.4	3.9
Stomach	2.9	3.1	3.2	3.3
Total cases	2,607	2,900	3,054	3,077

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