

TUMOUR REGISTRY
CANCER INSTITUTE, SIRIRAJ HOSPITAL

STATISTICAL REPORT
1969

FACULTY OF MEDICINE SIRIRAJ HOSPITAL

MAHIDOL UNIVERSITY

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P R E F A C E

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 was 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, obstetric and gynecology, 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 Bamrondphol 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.

The Subcommittee of Tumour Registry :-

1. Prof. Rojana Suvanasuthi
2. Dr. Soodsarkorn Tuchinda
3. Dr. Prasert Nilprabhassorn
4. Dr. Soonthorn Boonyanit
5. Dr. Ukrist Plengvanich
6. Dr. Nivat Chantarakul
7. Dr. Vinitha Viseskul

The Staff of Office :-

1. Mrs. Chuchit Suvongse
2. Miss Piromrat Klankoea
3. Mr. Niyom Chumroj

TABLE 1
NUMBER OF PATIENTS

TYPE OF PATIENT	No. OF CASE
Total No. of patients at O.P.D.	506,588
Total No. of new patients	177,598
Total No. of new malignancies	2,489

THE CANCER PATIENTS ARE ABOUT 1.40 % OF ALL NEW PATIENTS

TABLE II

DIAGNOSIS

DIAGNOSED BY	NUMBER	PERCENTAGE
Histological proved	2,240	90.0
Clinical and X-ray	249	10.0
TOTAL	2,489	100

TABLE III

NUMBER OF MALIGNANT NEOPLASMS BY AGE AND SEX

AGE - GROUP	No. OF CASES			%
	M	F	TOTAL	
1+	43	37	80	3.2
10+	31	31	62	2.5
20+	38	48	86	3.5
30+	118	159	277	11.1
40+	209	278	487	19.6
50+	316	302	618	24.8
60+	298	220	518	20.8
70+	211	131	342	13.7
Unknown	11	8	19	0.8
TOTAL	1,275	1,214	2,489	100

TABLE IV
PRIMARY SITE

CODE	SITE	No. OF CASES			%
		M	F	TOTAL	
GRAND TOTAL		1,275	1,214	2,489	100
140-148	MALIG. NEOPLASM OF BUCCAL CAVITY AND PHARYNX	386	271	657	26.3
140	Lips.	22	81	103	99 4.1
141	Tongue.	75	26	101	100 4.1
142	Salivary gland.	10	5	15	14 0.6
143 ✓	Floor of mouth.	4	2	6	6 0.3
144	Other parts of mouth, and of mouth unspecified.	69	86	155	151 6.2
145 ✓	Oropharynx.	47	18	65	65 2.6
146	Nasopharynx.	100	44	144	141 5.7
147	Hypopharynx.	12	1	13	13 0.5
148 ✓	Pharynx, unspecified.	47	8	55	55 2.2

CODE	SITE	No. OF CASES			%
		M	F	TOTAL	
150-159	MALIG. NEOPLASM OF DIGESTIVE ORGANS AND PERITONIUM.	306	104	410	16.5
150	Oesophagus	85	22	107	90 4.3
151	Stomach.	66	22	88	74 3.6
152	Small intestine, including duodenum.	5	2	7	6 0.3
153	Large intestine, except rectum.	25	15	40	34 1.6
154	Rectum	25	13	38	34 1.5
155	Biliary passages and of liver	96	27	123	117 4.9
157	Pancreas	3	2	5	4 0.2
159	Unspecified digestive organs	1	1	2	1 0.1
160-165	MALIG. NEOPLASM OF RESPIRATORY SYSTEM	150	40	190	7.7
160	Nose, nasal cavities, middle ear and accessory sinuses	18	16	34	26 1.4
161 ✓	Larynx	63	2	65	68 2.6

CODE	SITE	No. OF CASES			%	
		M	F	TOTAL		
162	Bronchus, trachea and lungs	68	21	89	65	3.6
164	Mediastinum	1	1	2	1	0.1
170-181	MALIG. NEOPLASM OF BREAST AND GENITO-URINARY ORGANS	114	549	663		26.7
170	Breast	-	178	178	172	7.2
171	Cervix uteri	-	261	261	323	10.5
172	Corpus uteri	-	41	41	3	1.6
175	Ovary, fallopian tube and broad ligament	-	36	36	21	1.5
176	Other and unspecified female genital organs	-	16	16	19	0.6
177	Prostate	18	-	18	19	0.7
178	Testis	3	-	3	4	0.2
179 ✓	Other and unspecified male genital organs	37	-	37	37	1.5
180	Kidney	9	7	16	14	0.6
181	Bladder and urinary organs	47	10	57	49	2.3

CODE	SITE	No. OF CASES			%	
		M	F	TOTAL		
190-199	MALIG. NEOPLASM OF OTHER AND UNSPECIFIED SITES	278	218	496	19.9	
190	Malig. melanoma of skin	5	3	8	} 151 0.3	
191	Other malig. neoplasm of skin	81	47	128		5.1
192	Eye	4	9	13	11	0.5
193	Brain and other parts of nervous system	27	25	52	9	2.1
194	Thyroid	13	46	59	55	2.4
195	Other endocrine glands	-	1	1	2	0.1
196	Bone	9	5	14	15	0.6
197	Connective tissue	27	14	41	33	1.6
198	Lymph nodes	32	19	51	38	2.0
199	Other and unspecified site	80	49	129	119	5.2
200-205	NEOPLASM OF LYMPHATIC AND HAEMATOPOIETIC TISSUE	41	32	73		2.9
204	Leukaemia and aleukaemia	41	32	73	14	2.9

TABLE V

PATHOLOGY ACCORDING TO SITE

140. MALIG. NEOPLASM OF LIPS.	103	cases
Sq. cell ca.	94	"
No histological proved	9	"
141. MALIG. NEOPLASM OF TONGUE.	101	cases
Sq. cell ca.	90	"
Undifferentiated ca.	4	"
No histological proved	7	"
142. MALIG. NEOPLASM OF SALIVARY GLAND	15	cases
Adenocarcinoma	8	"
Undifferentiated ca.	2	"
Lymphosarcoma	2	"
Sq. cell ca.	1	"
Mucoepidermoid ca.	1	"
No histological proved	1	"
143. MALIG. NEOPLASM OF MOUTH	6	cases
Sq. cell ca.	6	"

144. MALIG. NEOPLASM OF MOUTH AND

OF MOUTH UNSPECIFIED.

155 cases

Sq. cell ca.	140	"
Undifferentiated ca.	1	"
Mucoepidermoid ca.	1	"
Malignant hemangio- endothelioma	1	"
Fibrosarcoma	1	"
No histological proved	11	"

145. MALIG. NEOPLASM OF OROPHARYNX.

65 cases

Sq. cell ca.	50	"
Undifferentiated ca.	12	"
Reticulum cell sar.	2	"
Adenocarcinoma	1	"

146. MALIG. NEOPLASM OF NASOPHARYNX.

144 cases

Sq. cell ca.	74	"
Undifferentiated ca.	62	"
Reticulum cell sar.	3	"
Adenocarcinoma	1	"
Lymphosarcoma	1	"
No histological proved	3	"

147. MALIG. NEOPLASM OF HYPOPHARYNX.	13	cases
Sq. cell ca.	12	"
No histological proved	1	"
148. MALIG. NEOPLASM OF PHARYNX.	55	cases
Sq. cell ca.	50	"
Undifferentiated ca.	5	"
150. MALIG. NEOPLASM OF OESOPHAGUS.	107	cases
Sq. cell ca.	80	"
Adenocarcinoma	3	"
Undifferentiated ca.	2	"
No histological proved	22	"
151. MALIG. NEOPLASM OF STOMACH.	88	cases
Adenocarcinoma	44	"
Undifferentiated ca.	22	"
Sq. cell ca.	2	"
Hodgkin's disease	1	"
No histological proved	19	"
152. MALIG. NEOPLASM OF SMALL INTESTINE INCLUDING DUODENUM.	7	cases
Reticulum cell sar.	3	"
Adenocarcinoma	2	"

	Leiomyosaroma	1	cases
	Rhabdomyosarcoma	1	"
153. MALIG. NEOPLASM OF LARGE INTESTINE EXCEPT			
RECTUM.		40	cases
	Adenocarcinoma	34	"
	Undifferentiated ca.	1	"
	No histological proved	5	"
154. MALIG. NEOPLASM OF RECTUM.		38	cases
	Adenocarcinoma	30	"
	Malignant melanoma	3	"
	Leiomyosarcoma	1	"
	No histological proved	4	"
155. MALIG. NEOPLASM OF BILIARY PASSAGES AND			
OF LIVER.		123	cases
	Liver cell ca.	42	"
	Cholangiocarcinoma	26	"
	Undifferentiated ca.	12	"
	Hepatoblastoma	3	"
	Sq. cell ca.	1	"
	No histological proved	39	"

157. MALIG. NEOPLASM OF PANCREAS.	5	cases
Adenocarcinoma	4	"
Undifferentiated ca.	1	"
159. MALIG. NEOPLASM OF DIGESTIVE ORGANS	2	cases
Adenocarcinoma	1	"
Reticulum cell sar.	1	"
160. MALIG. NEOPLASM OF NOSE, NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES.	34	cases
Sq. cell ca.	16	"
Undifferentiated ca.	6	"
Adenocarcinoma	6	"
Mucoepidermoid ca.	2	"
Rhabdomyosarcoma	1	"
No histological proved	3	"
161. MALIG. NEOPLASM OF LARYNX.	65	cases
Sq. cell ca.	55	"
Undifferentiated ca.	8	"
Reticulum cell sar.	1	"
No histological proved	1	"

162. MALIG NEOPLASM OF BRONCHUS, TRACHEA

AND LUNG.

89 cases

Undifferentiated

37

"

Sq. cell ca.

16

"

Adenocarcinoma

12

"

Alveolar cell ca.

2

"

Malignant mesothelioma

1

"

No histological proved

21

"

164. MALIG. NEOPLASM OF MEDIASTINUM.

2 cases

Terotocarcinoma

2

"

170. MALIG. NEOPLASM OF BREAST.

178 cases

Undifferentiated ca.

84

"

Adenocarcinoma

21

"

Intraduct ca.

12

"

Sq. cell ca.

1

"

Reticulum cell sar.

1

"

Malig. cystosarcoma

phylloides

1

"

Myxosarcoma

1

"

No histological proved

57

"

171. MALIG. NEOPLASM OF CERVIX UTERI.

261 cases

Sq. cell ca.

245

"

	Adenocarcinoma	15	cases
	No histological proved	1	"
172. MALIG. NEOPLASM OF CORPUS UTERI.		41	cases
	Carcinoma	20	"
	Chorio - carcinoma	15	"
	Sarcoma	6	"
175. MALIG. NEOPLASM OF OVARY, FALLOPIAN TUBE AND BROAD LIGAMENT		36	cases
	Carcinoma	28	"
	Sarcoma	5	"
	Malig.teratoma or teratoblas- toma	3	"
176. MALIG. NEOPLASM OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS		16	cases
	Carcinoma	14	"
	Sarcoma	2	"
177. MALIG. NEOPLASM OF PROSTATE		18	cases
	Undifferentiated ca.	12	"
	Adenocarcinoma	5	"
	Leiomyosarcoma	1	"
178. MALIG. NEOPLASM OF TESTIS.		3	cases
	Embryonal cell ca.	2	"

No histological proved	1	cases
179. MALIG. NEOPLASM OF OTHER AND		
UNSPECIFIED MALE GENITAL ORGANS	37	cases
Undifferentiated ca.	23	"
Sq. cell ca.	1	"
No histological proved	13	"
180. MALIG. NEOPLASM OF KIDNEY.		
	16	cases
Adenocarcinoma	5	"
Transitional cell ca.	4	"
Wilm's tumour	4	"
Sq. cell ca.	1	"
Undifferentiated ca.	1	"
Sarcoma	1	"
181. MALIG. NEOPLASM OF BLADDER AND URINARY ORGANS		
	57	cases
Transitional cell ca.	34	"
Undifferentiated ca.	7	"
Adenocarcinoma	4	"
Sq. cell ca.	3	"
Sarcoma botryoides	2	"
Fibrosarcoma	1	"
Teratocarcinoma	1	"
No histological proved	5	"

151

136

190. MALIG. MELANOMA OF SKIN.	8	cases
Malignant melanoma	8	"
191. OTHER MALIG. NEOPLASM OF SKIN.	128	cases
Sq. cell ca.	80	"
Basal cell ca.	46	"
Sweat gland ca.	2	"
192. MALIG. NEOPLASM OF EYE.	13	cases
Sq. cell ca.	6	"
Retinoblastoma	5	"
Malignant melanoma	1	"
Fibrosarcoma	1	"
193. MALIG. NEOPLASM OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	52	cases
Astrocytoma	8	"
Meningioma	5	"
Acoustic neuroma	4	"
Neuroblastoma	4	"
Medulloblastoma	3	"
Spinal cord tumour	3	"
Ependymoma	2	"
Optic glioma	2	"

Malignant lymphoma	1	cases
Craniopharyngioma	1	"
Pituitary adenoma	1	"
No histological proved	18	"
194. MALIG. NEOPLASM OF THYROID.	59	cases
Papillary ca.	31	"
Follicular ca.	9	"
Sq. cell ca.	7	"
Undifferentiated ca.	6	"
No histological proved	6	"
195. MALIG. NEOPLASM OF OTHER ENDOCRINE GLANDS.	1	cases
Cortical ca. of adrenal gland	1	"
196. MALIG. NEOPLASM OF BONE.	14	cases
Osteosarcoma	8	"
Reticulum cell sar.	4	"
Ewing's sarcoma	2	"
197. MALIG. NEOPLASM OF CONNECTIVE TISSUE.	41	cases
Fibrosarcoma	12	"
Rhabdomyosarcoma	9	"

	Reticulum cell sar.	8	cases
	Sarcoma	4	"
	Liposarcoma	3	"
	Teratocarcinoma	2	"
	Malig. mesenchymoma	2	"
	Stem cell sarcoma	1	"
198. MALIG. NEOPLASM OF LYMPH NODES.		51	cases
	Reticulum cell sar.	23	"
	Hodgkin's disease	17	"
	Lymphosarcoma	11	"
199. MALIG. NEOPLASM OF OTHER & UNSPECIFIED SITES.		129	cases
	Adenocarcinoma	48	"
	Undifferentiated ca.	46	"
	Sq. cell ca.	32	"
	Reticulum cell sar.	1	"
	Teratocarcinoma	1	"
	No histological proved	1	"
204. LEUKAEMIA AND ALEUKAEMIA.		73	cases
	Acute leukaemia	59	"
	Chonic myeloid Leukaemia	12	"
	No histological proved	2	"

TABLE VI

PRIMARY SITE AS TO AGE AND SEX

AGE-GROUP	No. OF CASES		1+		10+		20+		30+		40+		50+		60+		70+		Un- known		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
GRAND TOTAL	1,275	1,214	2,489	43	37	31	31	38	48	118	159	209	278	316	302	298	220	211	131	11	8
MALIGNANT NEOPLASM OF BUCCAL CAVITY AND PHARYNX																					
Lips	22	81	103			1							12	5	25	3	19	12	24	1	1
Tongue	75	26	101					1		7	5	10	4	31	3	18	7	9	6		
Salivary gland	10	5	15			1						2	1	1			5	2	2	1	
Floor of mouth	4	2	6									2		2						2	
Other parts of mouth and of mouth unspecified	69	86	155			1		2	2	1		10	6	19	18	17	34	18	26	1	
Oro-pharynx	47	18	65			1	1			3	1	5	1	13	7	11	6	14	2		
Nasopharynx	100	44	144			3	3	5	4	15	12	35	19	22	2	16	4	4			
Hypopharynx	12	1	13								2			3	1	3		4			
Pharynx unspecified	47	8	55							1	2	2	2	16	1	18	2	10			1
MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM																					
Oesophagus	85	22	107							3		6	3	25	8	38	8	13	3		
Stomach	66	22	88			1		1		3	2	12	1	16	9	23	7	10	3		
Small intestine, including duodenum	5	2	7							1	1	1		2	1	1					

AGE-GROUP No. OF CASES 1+ 10+ 20+ 30+ 40+ 50+ 60+ 70+ Un- known

SITE M F Total M F M F M F M F M F M F M F M F

Large intestine, except rectum	25	15	40		1	-	1	-	2	4	6	1	9	3	4	4	2	3
Rectum	25	13	38			1	1	1	4	1	1	-	7	4	7	2	4	4
Biliary passages and liver	96	27	123	2	1	1	-	2	1	15	3	30	7	28	8	15	4	3
Pancreas	3	2	5							1	-	-	1	1	1	-	-	3
Unspecified digestive organs	1	1	2										1	1				

02

MALIG. NEOPLASM OF

RESPIRATORY SYSTEM

Nose, nasal cavity, middle ear and accessory sinuses	18	16	34		-	1	-	1	2	2	3	5	5	3	3	4	1	4	1
Larynx	63	2	65						4	-	5	-	11	-	19	1	23	1	1
Bronchus, trachea and lung	68	21	89						2	-	11	4	20	8	24	7	11	2	-
Mediastinum	1	1	2	-	1	1	-												

MALIG. NEOPLASM OF

BREAST AND

GENITO-URINARY

ORGANS

Breast	114	549	663	4	3	1	2	6	18	10	92	18	173	23	158	28	76	23	25	1	2
	-	178	178					9	-	31	-	62	-	48	-	23	-	5			

TABLE VII
THE 10 LEADING SITES

SITE	No. OF CASES			%
	M	F	TOTAL	
ALL SITES	1,275	1,214	2,489	100
Oral cavity (not including pharynx)	170	195	365	14.7
Cervix uteri	-	261	261	10.5
Breast	-	178	178	7.2
Nasopharynx	100	44	144	5.7
Skin	86	50	136	5.4
Biliary passages and of liver	96	27	123	4.9
Oesophagus	85	22	107	4.3
Lung	68	22	90	3.6
Stomach	66	22	88	3.6
Leukaemia and aleukaemia	41	32	73	2.9