



SONGKLANAGARIND HOSPITAL
FACULTY OF MEDICINE
PRINCE OF SONGKLA UNIVERSITY
SONGKHLA, THAILAND

HOSPITAL-BASED CANCER REGISTRY

ANNUAL REPORT 2020

CANCER INFORMATION CENTER
DECEMBER 2021

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CONTENTS

Contents.....	I
Cancer Registry Staff	III
Flow Chart of the Songklanagarind Tumor Registry.....	IV
Flow Chart of the Songklanagarind Cancer Registry Report.....	V
Summary.....	VI
Table 1: Number of patients in Songklanagarind hospital.....	1
Table 2: Distribution of patient payment used.....	2
Table 3: Distribution of all newly diagnosed cancer cases by age and gender.....	4
Table 4: Distribution of cases according to method of diagnosis.....	5
Table 5: Percentage of morphologically verified cases (%MV)	5
Table 6: The 10 leading sites of cancer in all gender.....	8
Table 7: The 10 leading sites of cancer in males.....	9
Table 8: The 10 leading sites of cancer in females.....	10
Table 9 Malignancy in childhood.....	11

SELECTED CANCERS

Oral Cavity Cancer

Table 10: Number of cases distribution by religions	12
Table 11: Staging.....	12

Esophageal Cancer

Table 12: Number of cases distribution by religions	13
Table 13: Staging.....	13

Colon and Rectum Cancer

Table 14: Number of cases distribution by religions	14
Table 15: Staging.....	14

Lung Cancer

Table 16: Number of cases distribution by religions	16
Table 17: Staging	16

Breast Cancer (Excluding in Situ)

Table 18: Number of female breast cancer distribution by religion.....	17
Table 19: Distribution of biomarkers in female breast; Buddhists & moslems.....	17
Table 20: Staging.....	18

Cervical Cancer (Excluding in Situ)

Table 21: Distribution by religion.....	19
Table 22: Staging.....	19

Ovarian Cancer

Table 23: Distribution by religion.....	20
Table 24: Staging.....	20

Table 25: Sex and age distribution according to primary site	21
Table 26: Histological types.....	30
APPENDIX: Definitions.....	45

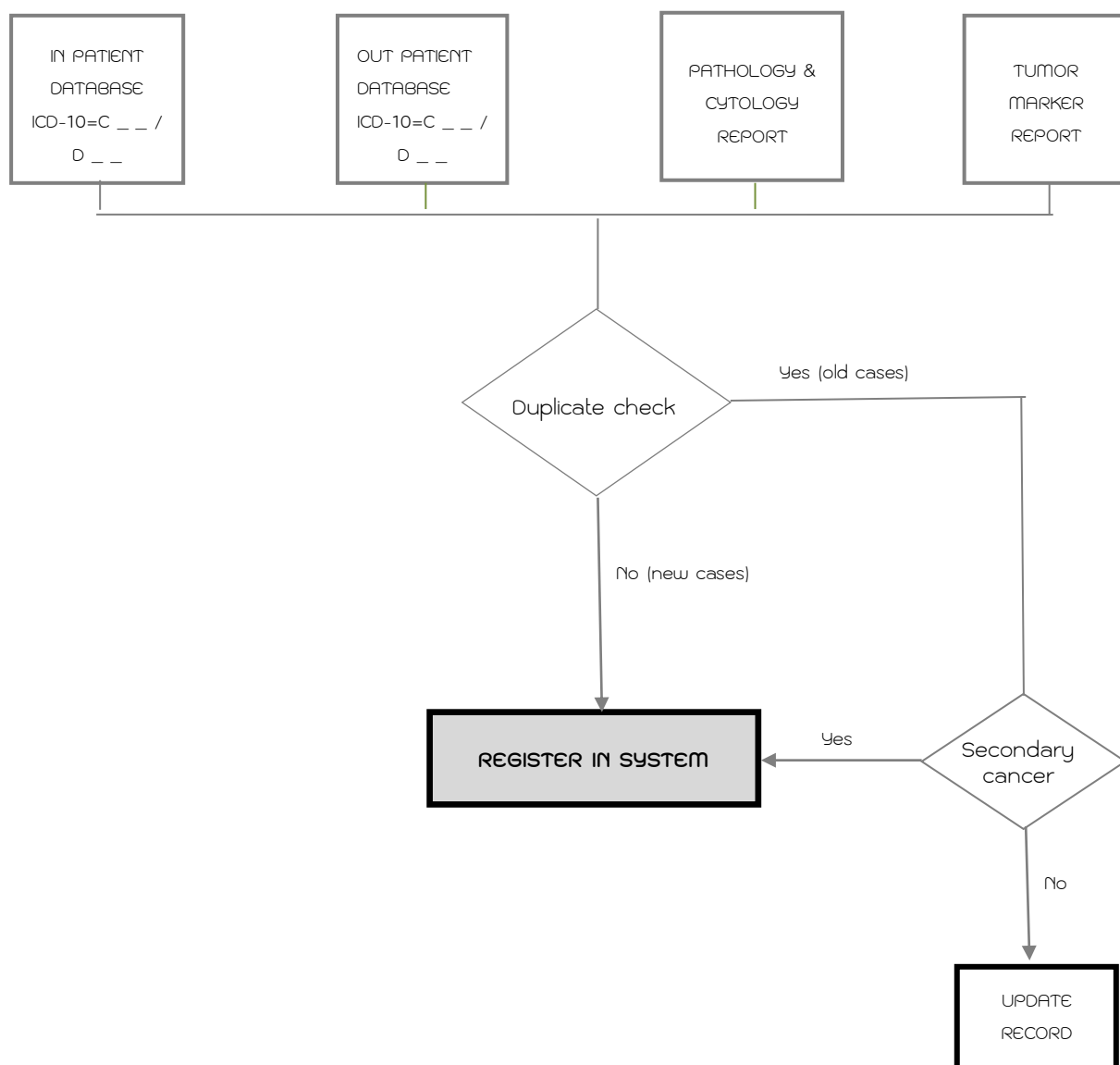
ILLUSTRATIONS

FIGURE 1: Trend of new cancer cases in Songklanagarind hospital	1
FIGURE 2: New cancer cases as a percentage year on year	1
FIGURE 3: Number of new cancer cases by month	2
FIGURE 4: Number and percentage of cancers received initial diagnosis or treatment.....	2
FIGURE 5: Percentage of patient payment used	3
FIGURE 6: Distribution of religion in cancer patients: percentage	3
FIGURE 7: Percentage of patient by residence	3
FIGURE 8: Age distribution of all malignancies	4
FIGURE 9: Methods of diagnosis	5
FIGURE 10: The 10 leading Sites of cancer in all gender	8
FIGURE 11: The 10 leading sites of cancer in males	9
FIGURE 12: Trends of five leading sites in males: number.....	9
FIGURE 13: The 10 leading sites of cancer in females	10
FIGURE 14: Trends of five leading sites in females: number.....	10
FIGURE 15: Age distribution of all malignancies in childhood	11
<i>Oral Cavity Cancer</i>	
FIGURE 16: Distribution of subsites	12
<i>Esophageal Cancer</i>	
FIGURE 17: Distribution of subsites	13
<i>Colon and Rectum Cancer</i>	
FIGURE 18: Distribution of subsites	14
FIGURE 19: Staging trends; percentage	15
<i>Lung Cancer</i>	
FIGURE 20: Distribution of subsites	16
<i>Breast Cancer (Excluding in Situ)</i>	
FIGURE 21: Distribution of selected biomarkers in female breast cancer; Buddhists & moslems.....	17
FIGURE 22: Distribution of subsites	18
FIGURE 23: Staging trends of female breast cancer: percentage	18
<i>Cervical Cancer (Excluding in Situ)</i>	
FIGURE 24: Staging trends of cervical cancer: percentage	19

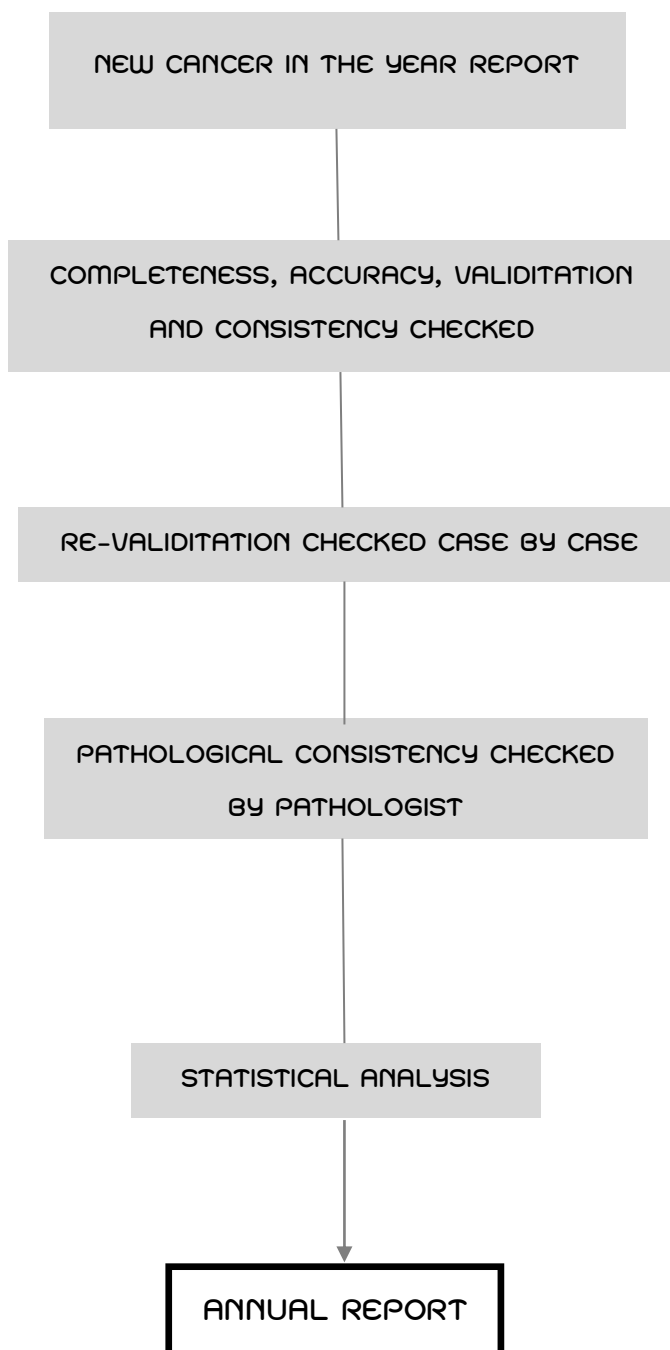
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MISS WANDEE	SRITONGKAEW	REGISTRAR
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FLOW CHART OF SONGKLANAGARIND TUMOR REGISTRY ON THE TUMOR REGISTRY PLATFORM



FLOW CHART OF SONGKLANAGARIND CANCER REGISTRY REPORT



S U M M A R Y

From January to December 2020, among 18,503 new patients who attended Songklanagarind Hospital, 5,368 cases were new cancer patients. Males accounted for 2,423 cancer cases (45.1%). The three most payment used were universal coverage Scheme (52.4%) government/state enterprise (25.2%) and Social Security Scheme (10.4%) respectively. All gender, the three most common sites were breast (763 cases, 14.2%), lung (553 cases, 10.3%), and colon and rectum (511 cases, 9.5%). The three most common primary sites in males were the lung (14.8%), colon & rectum (12.2%) and liver (9.7%). The three most common primary sites in females were the breast (25.7%), uterine cervix (11.2%) and thyroid (8.8%). There were 89 cases (1.7%) of childhood malignancy of which the most common type was leukemia.

TABLE 1: NUMBER OF PATIENTS IN SONGKLANAGARIND HOSPITAL

TYPE OF PATIENTS	NUMBER OF CASES
Total patients at outpatient department	1,037,389
New patients of hospital	18,503
New cancer patients	5,368

The new cancers were 29.0% of new patients of Songklanakarind hospital in year 2020.

FIGURE 1: TREND OF NEW CANCER CASES IN SONGKLANAGARIND HOSPITAL

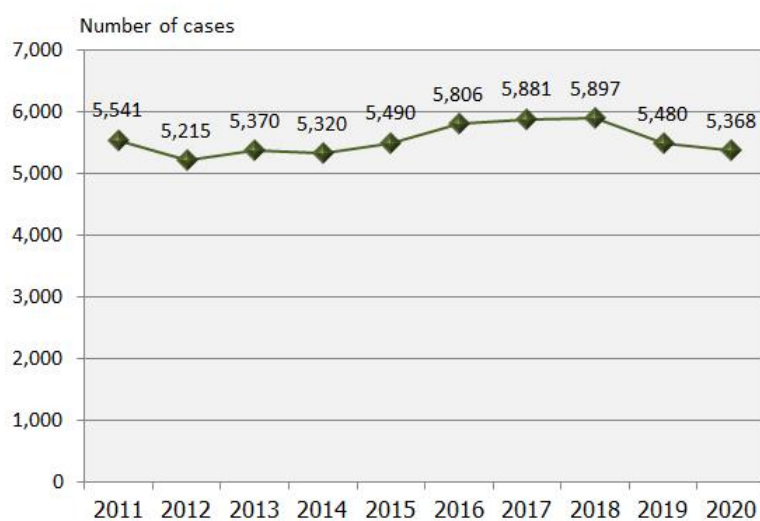


FIGURE 2: NEW CANCER CASES AS A PERCENTAGE OF YEAR ON YEAR



FIGURE 3: NUMBER OF NEW CANCER CASES BY MONTH

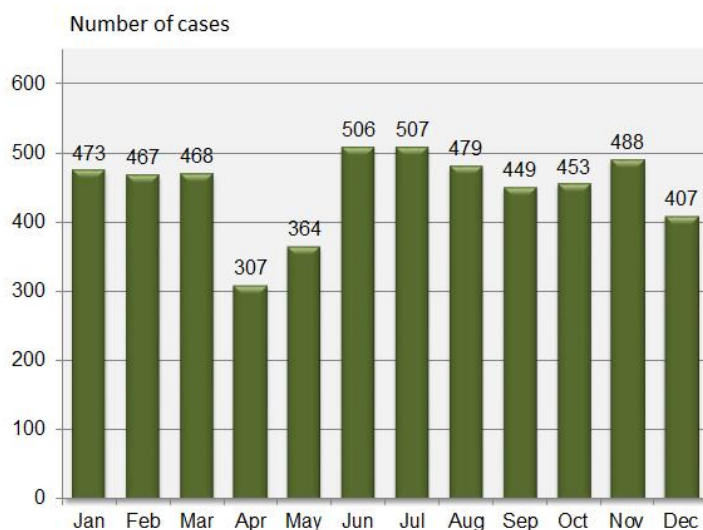


FIGURE 4: NUMBER AND PERCENTAGE OF CANCERS RECEIVED INITIAL DIAGNOSIS OR TREATMENT

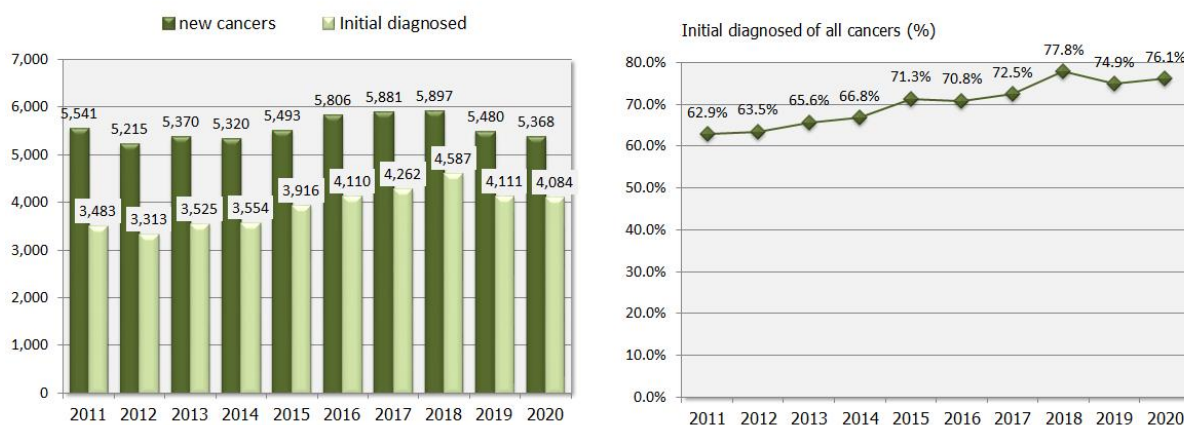


TABLE 2: DISTRIBUTION OF PATIENT PAYMENT USED

PAYMENT CATEGORIES	No.	%
Universal Coverage Scheme (UCS)	2,872	52.4%
Government/ State Enterprise Officer (OFC)	1,381	25.2%
Self Payment	54	1.0%
Social Security Scheme (SSS)	568	10.4%
Local Administrative Organization	226	4.1%
Others	379	6.9%
	5,368	100.0%

FIGURE 5: PERCENTAGE OF PATIENT PAYMENT USED

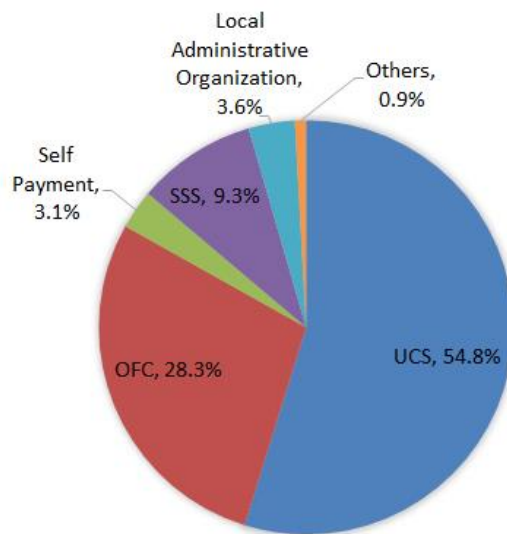


FIGURE 6: DISTRIBUTION OF RELIGION IN CANCER PATIENTS: PERCENTAGE

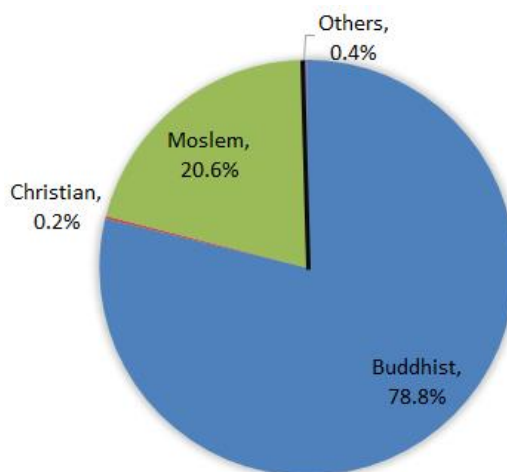


FIGURE 7: PERCENTAGE OF PATIENT BY RESIDENCE

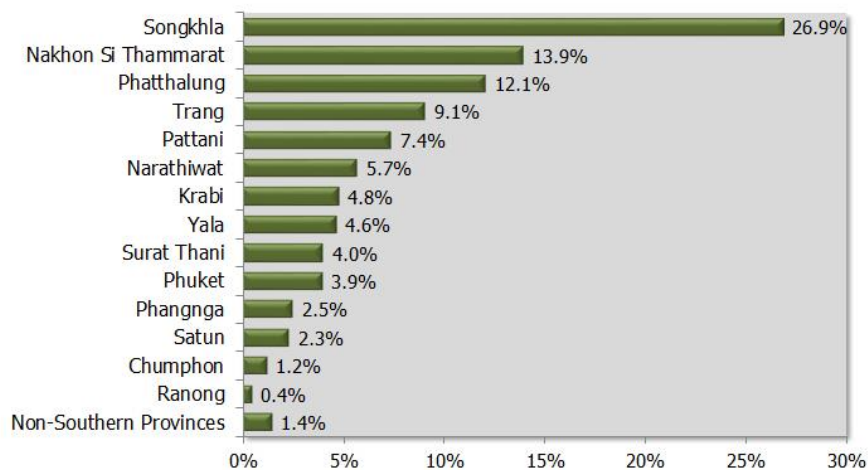


TABLE 3: DISTRIBUTION OF ALL NEWLY DIAGNOSED CANCER CASES BY AGE AND GENDER

AGE GROUP	Males		Females		Total	
	No	% OF ALL CANCER	No	% OF ALL CANCER	No	% OF ALL CANCER
0-	21	0.4%	20	0.4%	41	0.8%
5-	13	0.2%	14	0.3%	27	0.5%
10-	10	0.2%	11	0.2%	21	0.4%
15-	17	0.3%	32	0.6%	49	0.9%
20-	10	0.2%	22	0.4%	32	0.6%
25-	23	0.4%	62	1.2%	85	1.6%
30-	26	0.5%	86	1.6%	112	2.1%
35-	47	0.9%	139	2.6%	186	3.5%
40-	100	1.9%	228	4.2%	328	6.1%
45-	140	2.6%	293	5.5%	433	8.1%
50-	248	4.6%	373	6.9%	621	11.6%
55-	282	5.3%	408	7.6%	690	12.9%
60-	399	7.4%	358	6.7%	757	14.1%
65-	388	7.2%	305	5.7%	693	12.9%
70-	251	4.7%	236	4.4%	487	9.1%
75-	217	4.0%	155	2.9%	372	6.9%
80-	158	2.9%	121	2.3%	279	5.2%
85+	73	1.4%	82	1.5%	155	2.9%
	2,423	45.1%	2,945	54.9%	5,368	100.0%

Male age; mean = 61.3 median = 63

Female age; mean = 56.3 median = 57

FIGURE 8: AGE DISTRIBUTION OF ALL MALIGNANCIES

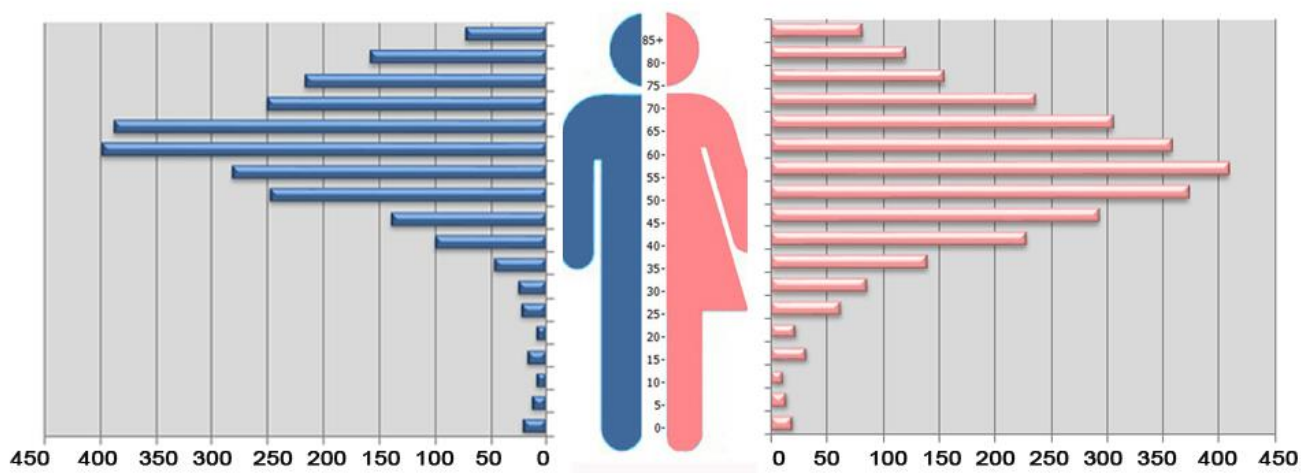


TABLE 4: DISTRIBUTION OF CASES ACCORDING TO METHOD OF DIAGNOSIS

METHOD OF DIAGNOSIS	MALE		FEMALE	
	NO.	% IN MALES	NO.	% IN FEMALES
Clinical only	1	0.04%	0	0
Clinical investigation and imaging	161	6.6%	86	2.9%
Specific biochemistry	94	3.9%	31	1.1%
Cytology or hematology	23	0.9%	32	1.1%
Histology of metastasis	27	1.1%	11	0.4%
Histology of primary	2,117	87.4%	2,785	94.6%
	2,423	100.0%	2,945	100.0%

FIGURE 9: METHODS OF DIAGNOSIS

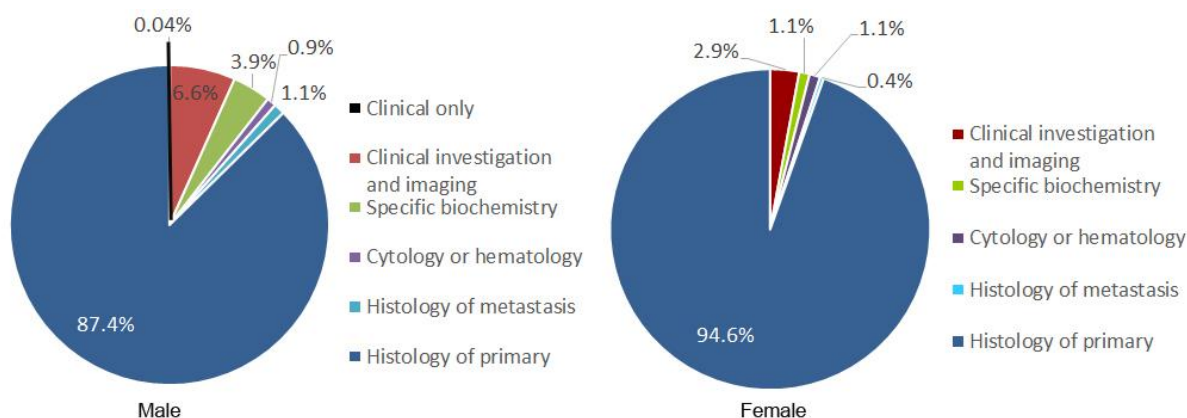


TABLE 5: PERCENTAGE OF MORPHOLOGICALLY VERIFIED CASES (%MV)

ICD-10	Primary sites	Male			Female			All		
		Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%
C00	Lip	1	1	100.0%	6	6	100.0%	7	7	100.0%
C01-C02	Tongue	79	79	100.0%	32	32	100.0%	111	111	100.0%
C03-C06	Mouth	73	72	98.6%	27	27	100.0%	100	99	99.0%
C07-C08	Salivary gland	12	12	100.0%	9	9	100.0%	21	21	100.0%
C09	Tonsil	40	40	100.0%	4	4	100.0%	44	44	100.0%
C10	Oropharynx	19	19	100.0%	1	1	100.0%	20	20	100.0%



ICD-10	Primary sites	Male			Female			All		
		Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%
C11	Nasopharynx	80	80	100.0%	14	14	100.0%	94	94	100.0%
C12-C13	Hypopharynx	43	43	100.0%	3	3	100.0%	46	46	100.0%
C14	Pharynx, unspecified	3	3	100.0%	0	0	0.0%	3	3	100.0%
C15	Esophagus	113	112	99.1%	14	13	92.9%	127	125	98.4%
C16	Stomach	23	22	95.7%	34	33	97.1%	57	55	96.5%
C17	Small intestine	7	7	100.0%	6	6	100.0%	12	12	100.0%
C18	Colon	109	109	100.0%	96	95	99.0%	205	204	99.5%
C19-C20	Rectum	186	185	99.5%	120	118	98.3%	306	303	99.0%
C21	Anus	14	14	100.0%	6	6	100.0%	20	20	100.0%
C22	Liver	236	72	30.5%	100	40	40.0%	336	112	33.3%
C23-C24	Gallbladder etc.	33	26	78.8%	36	28	77.8%	69	54	78.3%
C25	Pancreas	51	42	82.4%	33	26	78.8%	84	68	81.0%
C30-31	Nose, sinuses etc.	21	21	100.0%	11	11	100.0%	32	32	100.0%
C32	Larynx	83	83	100.0%	3	3	100.0%	86	86	100.0%
C33-C34	Bronchus and lung	359	315	87.7%	194	180	92.8%	553	495	89.5%
C37-C38	Other thoracic organs	3	2	66.7%	2	1	50.0%	5	3	60.0%
C40-C41	Bone	11	11	100.0%	9	9	100.0%	20	20	100.0%
C43	Melanoma of skin	11	11	100.0%	6	6	100.0%	17	17	100.0%
C44	Other skin	60	60	100.0%	61	61	100.0%	121	121	100.0%
C45	Mesothelioma	0	0	0.0%	0	0	0.0%	0	0	0.0%
C46	Kaposi sarcoma	0	0	0.0%	0	0	0.0%	0	0	0.0%
C47; C49	Connective and soft tissue	35	35	100.0%	41	40	97.4%	76	75	98.6%
C50	Breast	5	5	100.0%	758	758	100.0%	763	763	100.0%
C51	Vulva	0	0	0.0%	13	13	100.0%	13	13	100.0%
C52	Vagina	0	0	0.0%	4	4	100.0%	4	4	100.0%
C53	Cervix uteri	0	0	0.0%	330	329	99.7%	330	329	99.7%
C54	Corpus uteri	0	0	0.0%	179	179	100.0%	179	179	100.0%



ICD-10	Primary sites	Male			Female			All		
		Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%
C55	Uterus unspecified	80	80	100.0%	14	14	100.0%	94	94	100.0%
C56	Ovary	43	43	100.0%	3	3	100.0%	46	46	100.0%
C57	Other female genital	3	3	100.0%	0	0	0.0%	3	3	100.0%
C58	Placenta	113	112	99.1%	14	13	92.9%	127	125	98.4%
C60	Penis	23	22	95.7%	34	33	97.1%	57	55	96.5%
C61	Prostate	7	7	100.0%	6	6	100.0%	12	12	100.0%
C62	Testis	109	109	100.0%	96	95	99.0%	205	204	99.5%
C63	Other male genital	186	185	99.5%	120	118	98.3%	306	303	99.0%
C64	Kidney	14	14	100.0%	6	6	100.0%	20	20	100.0%
C65	Renal pelvis	236	72	30.5%	100	40	40.0%	336	112	33.3%
C66	Ureter	33	26	78.8%	36	28	77.8%	69	54	78.3%
C67	Bladder	51	42	82.4%	33	26	78.8%	84	68	81.0%
C68	Other urinary organs	21	21	100.0%	11	11	100.0%	32	32	100.0%
C69	Eye	83	83	100.0%	3	3	100.0%	86	86	100.0%
C70-C72	Brain, nervous system	359	315	87.7%	194	180	92.8%	553	495	89.5%
C73	Thyroid	3	2	66.7%	2	1	50.0%	5	3	60.0%
C74	Adrenal gland	11	11	100.0%	9	9	100.0%	20	20	100.0%
C75	Other endocrine	11	11	100.0%	6	6	100.0%	17	17	100.0%
C81	Hodgkin's disease	60	60	100.0%	61	61	100.0%	121	121	100.0%
C82-C86, C96	Non-Hodgkin lymphoma	0	0	0.0%	0	0	0.0%	0	0	0.0%
C88	Malignant immunoproliferative diseases	0	0	0.0%	0	0	0.0%	0	0	0.0%
C90	Multiple myeloma	35	35	100.0%	41	40	97.4%	76	75	98.6%
C91	Lymphoid leukemia	5	5	100.0%	758	758	100.0%	763	763	100.0%
C92-C94	Myeloid leukemia	0	0	0.0%	13	13	100.0%	13	13	100.0%
C95	Leukemia unspecified	0	0	0.0%	4	4	100.0%	4	4	100.0%
D45,D47	Myeloproliferative disorders	0	0	0.0%	330	329	99.7%	330	329	99.7%
D46	Myelodysplastic syndromes	0	0	0.0%	179	179	100.0%	179	179	100.0%

ICD-10	Primary sites	Male			Female			All		
		Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%
O&U(c26, c39, c48, c76, c80)	Other and unspecified	39	33	84.6%	22	20	90.9%	61	53	86.9%
	Total	2,423	2,167	89.4%	2,945	2,828	96.0%	5,368	4,995	93.1%
	Total; excluding liver	2,187	2,095	95.8%	2,845	2,788	98.0%	5,032	4,883	97.0%

TABLE 6: THE 10 LEADING SITES OF CANCER IN ALL GENDER

ICD-10	PRIMARY SITE(Short title used)	NO.	% OF ALL CANCER
C50	Breast	763	14.2%
C33-C34	Bronchus and lung	553	10.3%
C18-C20	Colon & Rectum	511	9.5%
C22	Liver	336	6.3%
C53	Cervix uteri	330	6.1%
C73	Thyroid	321	6.0%
C01-06	Oral cavity	211	3.9%
C82-C86, C96	Non-Hodgkin lymphoma	204	3.8%
C54	Corpus uteri	179	3.3%
C56	Ovary	174	3.2%

FIGURE 10: THE 10 LEADING SITES OF CANCER IN ALL GENDER: NUMBER

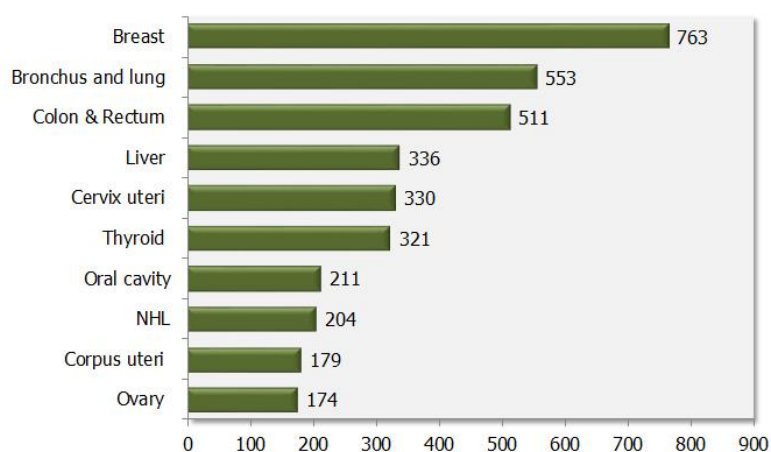


TABLE 7: THE 10 LEADING SITES OF CANCER IN MALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN MALES
C34	Bronchus and lung	359	14.8%
C18-C20	Colon & Rectum	295	12.2%
C22	Liver	236	9.7%
C61	Prostate	186	7.7%
C01-06	Oral cavity	152	6.3%
C15	Esophagus	113	4.7%
C82-C86, C96	Non-Hodgkin lymphoma	107	4.4%
C32	Larynx	83	3.4%
C11	Nasopharynx	80	3.3%
C67	Bladder	64	2.6%

FIGURE 11: THE 10 LEADING SITES OF CANCER IN MALES: NUMBER

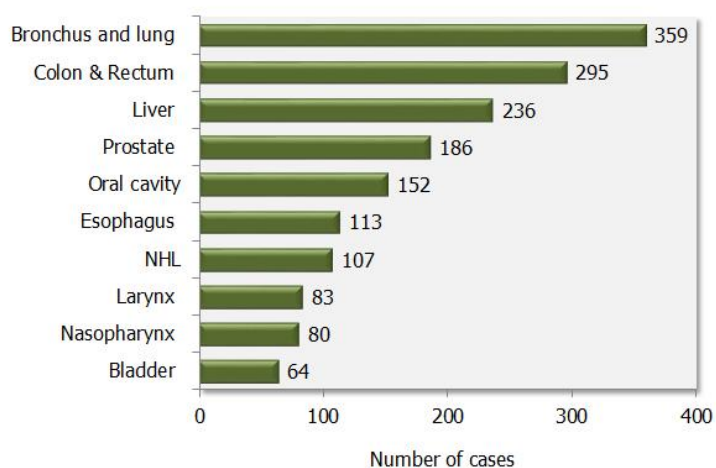


FIGURE 12: TRENDS OF FIVE LEADING SITES IN MALES: NUMBER

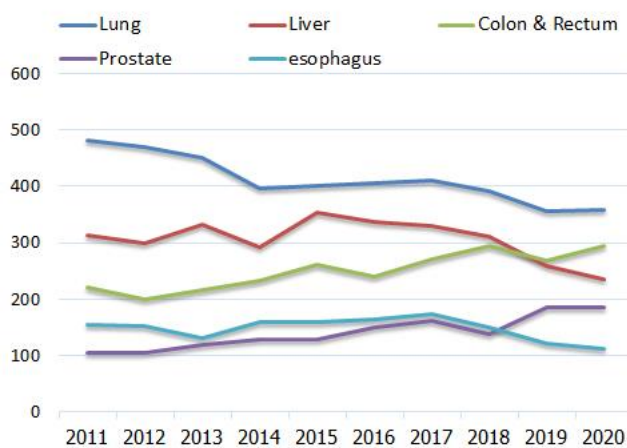


TABLE 8: THE 10 LEADING SITES OF CANCER IN FEMALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN FEMALES
C50	Breast	758	25.7%
C53	Cervix uteri	330	11.2%
C73	Thyroid	258	8.8%
C18-C20	Colon & Rectum	216	7.3%
C34	Bronchus and lung	194	6.6%
C54	Corpus uteri	179	6.1%
C56	Ovary	174	5.9%
C22	Liver	100	3.4%
C82-C86, C96	Non-Hodgkin lymphoma	97	3.3%
C44	Other skin	61	2.1%

FIGURE 13: THE 10 LEADING SITES OF CANCER IN FEMALES

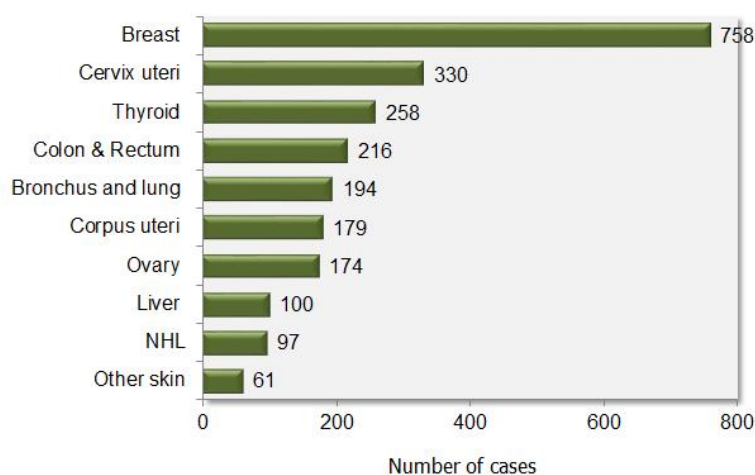


FIGURE 14: TRENDS OF FIVE LEADING SITES IN FEMALES: NUMBER

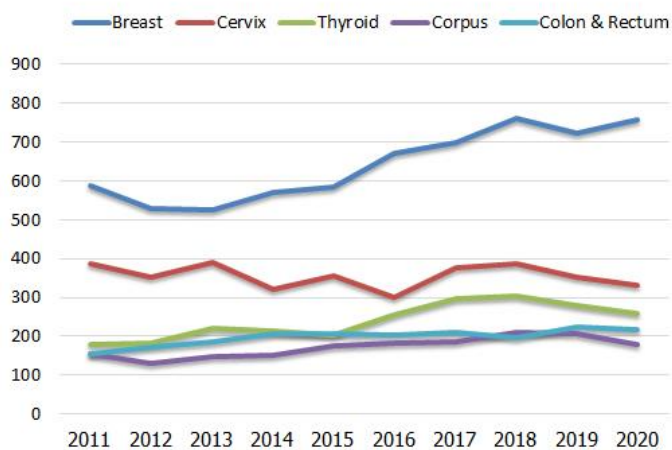


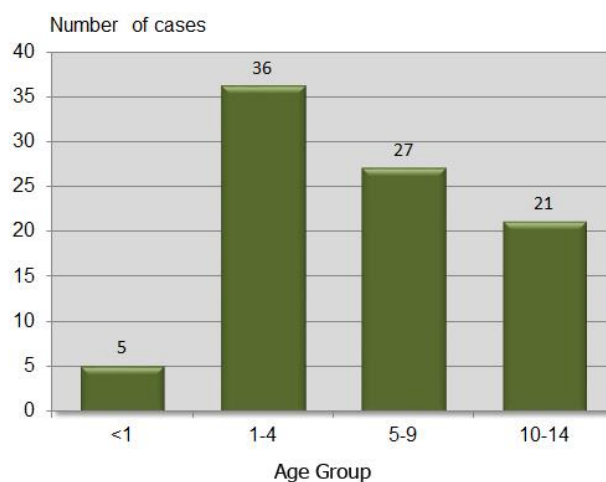
TABLE 9: MALIGNANCY IN CHILDHOOD (AGE 0-14 YEARS) *

SITE	GROUP (ICCC-3 division)	BOY	GIRL	ALL	
		NO.	NO.	NO.	%
I	Leukemias, myeloproliferative diseases, and myelodysplastic diseases	13	13	26	29.2%
II	Lymphomas and reticuloendothelial neoplasms	5	2	7	7.9%
III	CNS and miscellaneous intracranial and intraspinal neoplasms	4	9	13	14.6%
IV	Neuroblastoma and other peripheral nervous cell tumors	6	0	6	6.7%
V	Retinoblastoma	6	5	11	12.4%
VI	Renal tumors	2	3	5	5.6%
VII	Hepatic tumors	1	3	4	4.5%
VIII	Malignant bone tumors	2	1	3	3.4%
IX	Soft tissue and other extraosseous sarcomas	1	2	3	3.4%
X	Germ cell tumors, trophoblastic tumors, and neoplasms of gonads	3	5	8	9.0%
XI	Other malignant epithelial neoplasms and malignant melanomas	1	2	3	3.4%
XII	Other and unspecified malignant neoplasms	0	0	0	0.0%
	Total	44	45	89	100.0%

The malignancy in childhood was 1.7% of all new cancer patients.

* Childhood site group according to International Classification of Childhood Cancer, Third edition (ICCC-3)

FIGURE 15: AGE DISTRIBUTION OF ALL MALIGNANCIES IN CHILDHOOD



Age; Mean = 6.0, Median = 5

SELECTED CANCERS

ORAL CAVITY CANCER

ICD-10 C01-C06

TABLE 10: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	Male	% of oral cavity cancer	Female	% of oral cavity cancer	Total	%
Buddhist	132	62.6%	50	23.7%	182	86.3%
Moslem	20	9.5%	9	4.3%	29	13.7%
Christian	0	0.0%	0	0.0%	0	0.0%
Total	152	72.0%	59	28.0%	211	100.0%

FIGURE 16: DISTRIBUTION OF SUBSITES

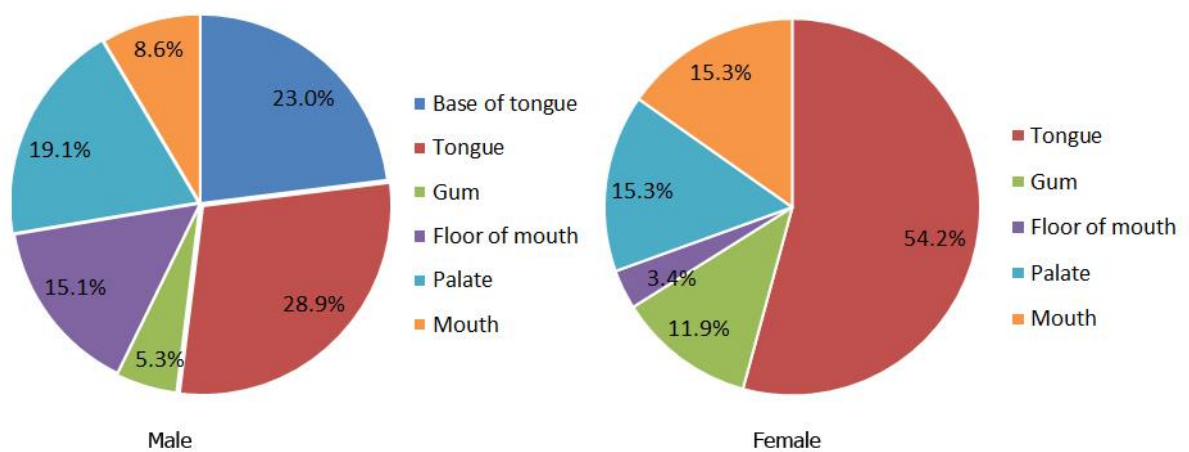


TABLE 11: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	6	5	11	5.2%
Stage II	14	9	23	10.9%
Stage III	20	13	33	15.6%
Stage IV	107	30	137	64.9%
Not specified	5	2	7	3.3%
Total	152	59	211	100.0%

ESOPHAGEAL CANCER

ICD-10 C15

TABLE 12: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	Male	% of esophageal cancer	Female	% of esophageal cancer	Total	%
Buddhist	108	85.0%	13	10.2%	121	95.3%
Moslem	4	3.1%	1	0.8%	5	3.9%
Christian	1	0.8%	0	0.0%	1	0.8%
Total	113	89.0%	14	11.0%	127	100.0%

FIGURE 17: DISTRIBUTION OF SUBSITES

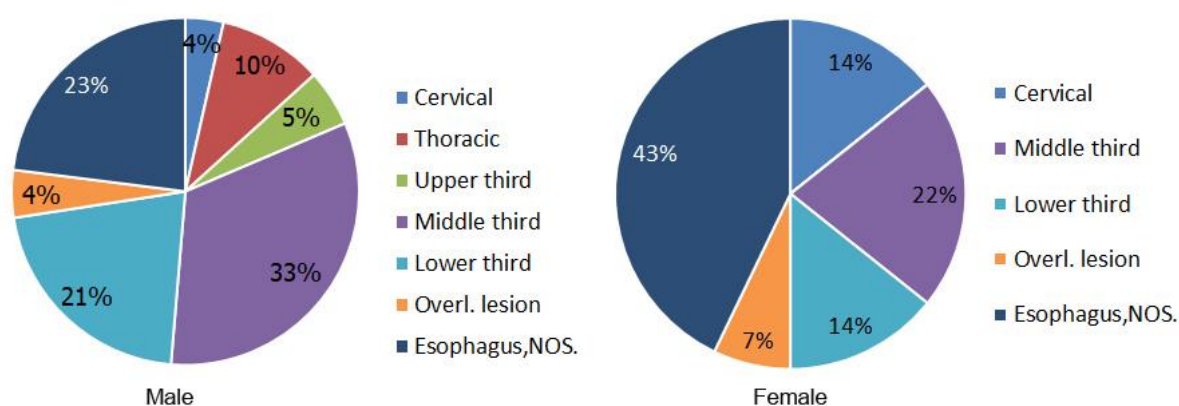


TABLE 13: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	2	0	2	1.6%
Stage II	9	1	10	7.9%
Stage III	31	3	34	26.8%
Stage IV	53	8	61	48.0%
Not specified	18	2	20	15.7%
Total	113	14	127	100.0%

COLON AND RECTUM CANCER

ICD-10 C18-20

TABLE 14: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	Male	% of colorectal cancer	Female	% of colorectal cancer	Total	%
Buddhist	248	48.5%	169	33.1%	417	81.6%
Moslem	43	8.4%	43	8.4%	86	16.8%
Christian	4	0.8%	4	0.8%	8	1.6%
Total	295	57.7%	216	42.3%	511	100.0%

FIGURE 18: DISTRIBUTION OF SUBSITES

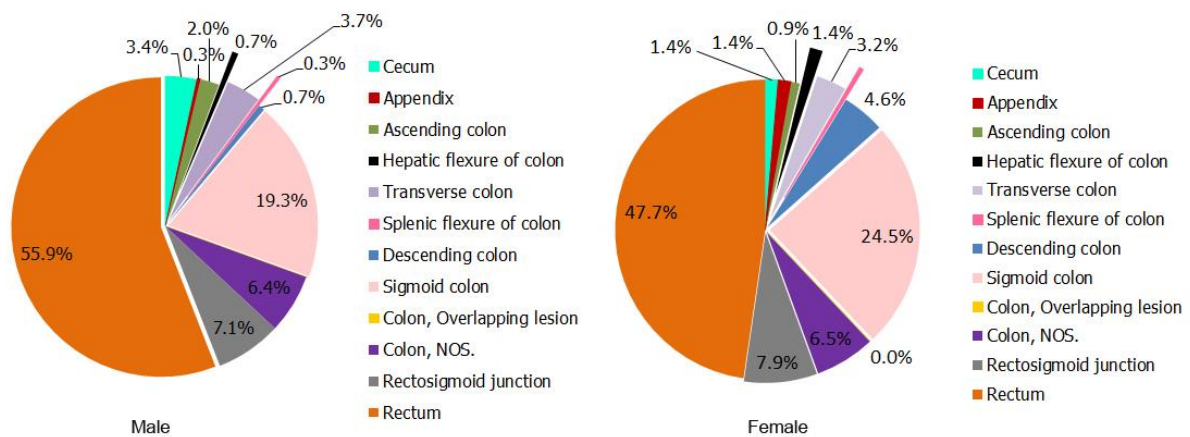
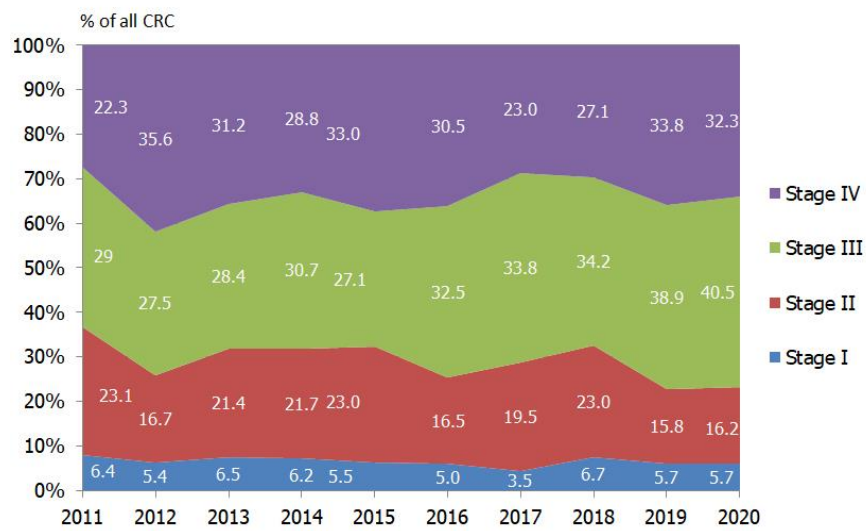


TABLE 15: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	20	9	29	5.7%
Stage II	44	39	83	16.2%
Stage III	123	84	207	40.5%
Stage IV	90	75	165	32.3%
Not specified	18	9	27	5.3%
Total	295	216	511	100.0%

FIGURE 19: STAGING TRENDS: PERCENTAGE



LUNG CANCER

ICD-10 C34

TABLE 16: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	Male	% of lung cancer	Female	% of lung cancer	Total	%
Buddhist	270	48.8%	156	28.2%	426	77.0%
Moslem	89	16.1%	38	6.9%	127	23.0%
Total	359	64.9%	194	35.1%	553	100.0%

FIGURE 20: DISTRIBUTION OF SUBSITES

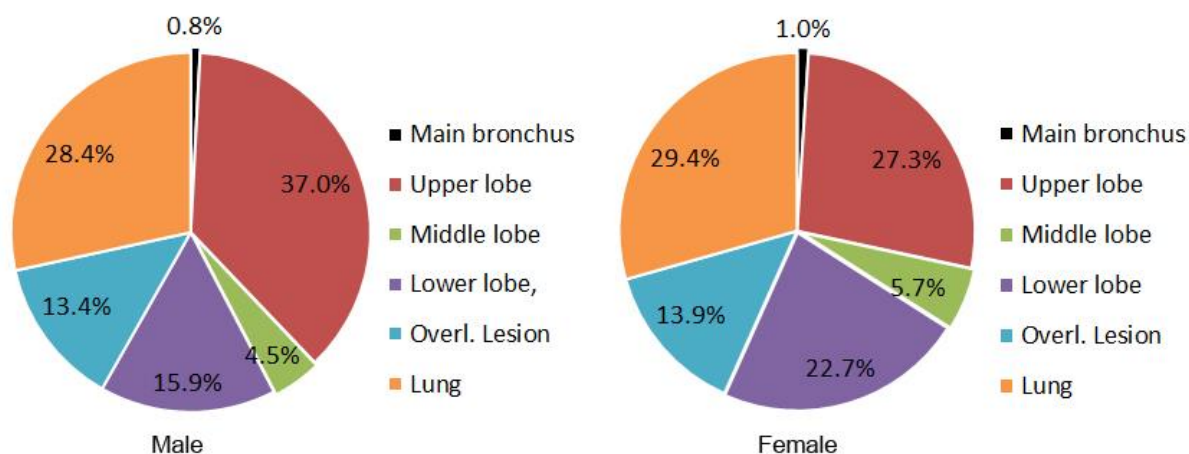


TABLE 17: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	20	19	39	7.1%
Stage II	12	9	21	3.8%
Stage III	50	19	69	12.5%
Stage IV	241	128	369	66.7%
Not specified	36	19	55	9.9%
Total	359	194	553	100.0%

BREAST CANCER (EXCLUDING IN SITU)

ICD-10 C50

TABLE 18: NUMBER OF FEMALE BREAST CANCER DISTRIBUTION BY RELIGION

	NUMBER	%
Buddhist	576	76.0%
Moslem	180	23.7%
Christian	2	0.3%
Total	758	100.0%

TABLE 19: DISTRIBUTION OF BIOMARKERS IN FEMALE BREAST CANCER; BUDDHISTS & MOSLEMS

	ER+	% of female breast cancer	HER-2+	% of female breast cancer	Triple negative	% of female breast cancer	others	% of female breast cancer	Total	% of female breast cancer
Buddhist	298	39.3%	133	17.5%	93	12.3%	54	7.1%	576	76.0%
Moslem	94	12.4%	49	6.5%	29	3.8%	8	1.1%	182	24.0%
Total	392	51.7%	182	24.0%	122	16.1%	62	8.2%	758	100.0%

FIG.21: DISTRIBUTION OF SELECTED BIOMARKERS IN FEMALE BREAST CANCER; BUDDHISTS & MOSLEMS

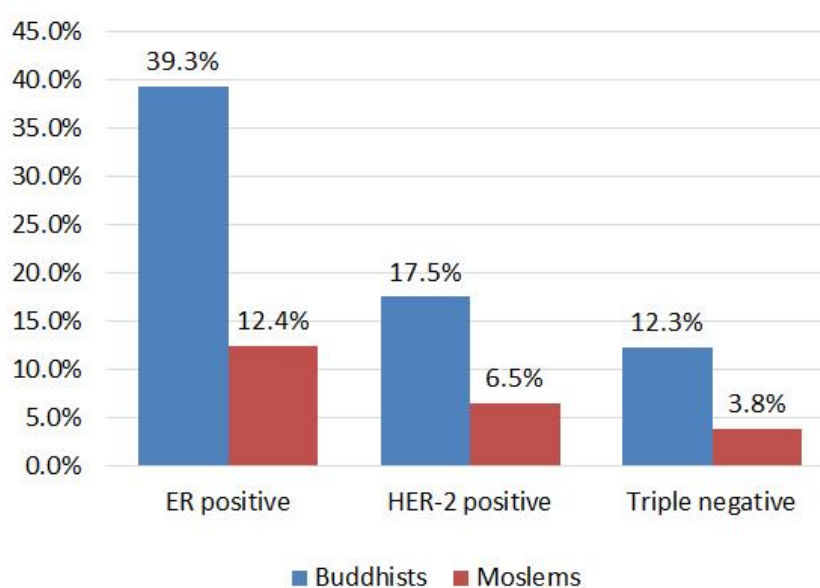


FIGURE 22: DISTRIBUTION OF SUBSITES

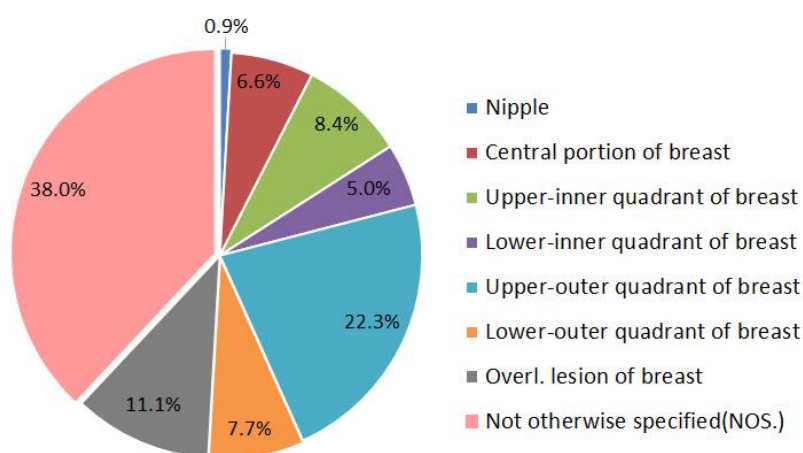
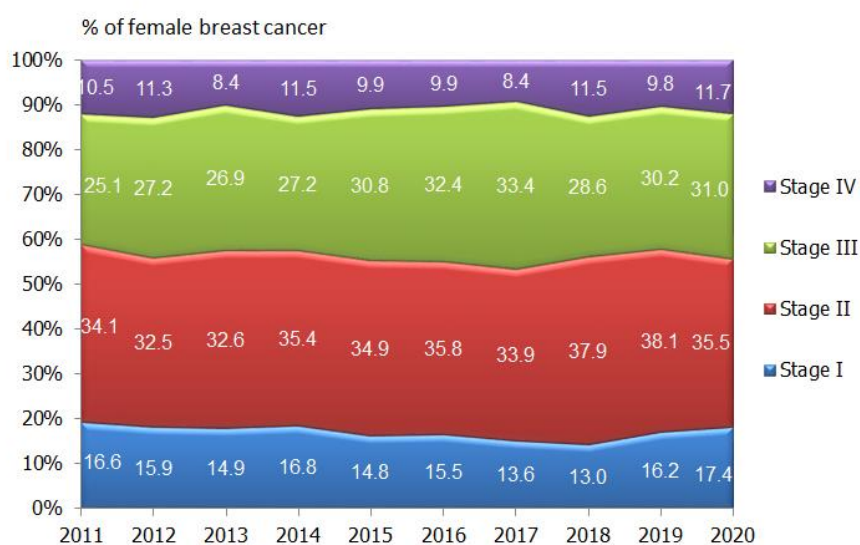


TABLE 20: STAGING

STAGE	FEMALE	%
Stage I	132	17.4%
Stage II	269	35.5%
Stage III	235	31.0%
Stage IV	89	11.7%
Not specified	33	4.4%
Total	758	100.0%

FIGURE 23: STAGING TRENDS OF FEMALE BREAST CANCER: PERCENTAGE



CERVICAL CANCER (EXCLUDING IN SITU)

ICD-10 C53

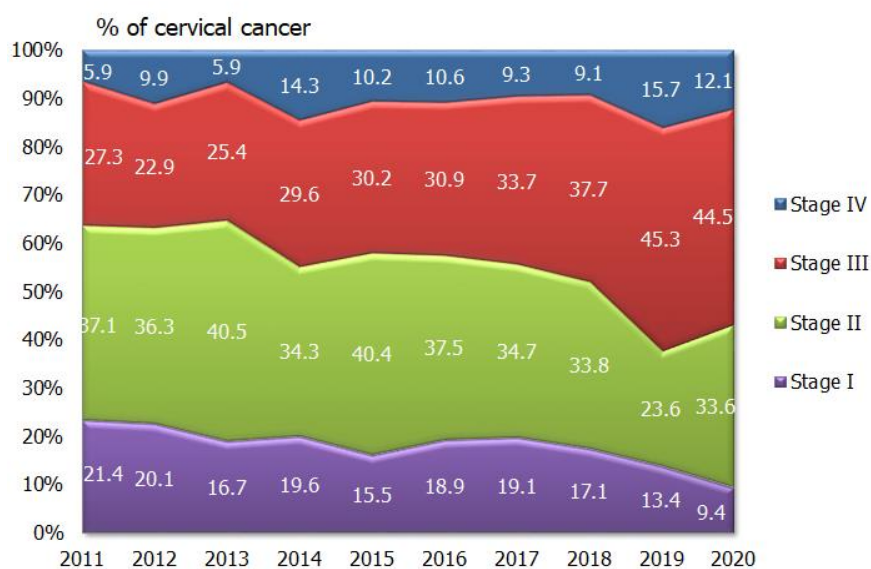
TABLE 21: DISTRIBUTION BY RELIGION

	NUMBER	%
Buddhist	262	79.4%
Moslem	67	20.3%
Christian	1	0.3%
Total	330	100.0%

TABLE 22: STAGING

STAGE	NUMBER	%
Stage I	31	9.4%
Stage II	111	33.6%
Stage III	147	44.5%
Stage IV	40	12.1%
Not specified	1	0.3%
Total	330	100.0%

FIGURE 24: STAGING TRENDS OF CERVICAL CANCER: PERCENTAGE





OVARIAN CANCER

ICD-10 C56

TABLE 23: DISTRIBUTION BY RELIGION

RELIGION	NUMBER	%
Buddhists	141	81.0%
Moslems	33	19.0%
Total	174	100.0%

TABLE 24: STAGING

STAGE	NUMBER	%
Stage I	46	26.4%
Stage II	18	10.3%
Stage III	26	14.9%
Stage IV	48	27.6%
Locally Advanced	15	8.6%
Not specified	21	12.1%
Total	174	100.0%

TABLE 25: SEX AND AGE DISTRIBUTION ACCORDING TO PRIMARY SITES

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Lip	All	7	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	0
(C00)	Male	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Female	6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
Tongue	All	111	0	0	0	0	0	1	2	4	13	11	17	21	12	6	6	5	7	6
(C01-C02)	Male	79	0	0	0	0	0	1	0	2	6	9	13	16	9	5	5	4	5	4
	Female	32	0	0	0	0	0	0	2	2	7	2	4	5	3	1	1	1	2	2
Mouth	All	100	0	0	0	0	0	0	1	0	4	6	10	7	14	22	16	11	5	4
(C03-C06)	Male	73	0	0	0	0	0	0	1	0	4	3	10	7	11	16	11	7	2	1
	Female	27	0	0	0	0	0	0	0	0	0	3	0	0	3	6	5	4	3	3
Salivary gland	All	21	0	0	0	0	0	1	1	1	2	3	2	4	1	0	0	3	2	1
(C07-C08)	Male	12	0	0	0	0	0	0	0	1	2	3	1	3	1	0	0	1	0	0
	Female	9	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2	1
Tonsil	All	44	0	0	0	0	0	0	0	0	5	3	7	5	7	6	6	4	0	1
(C09)	Male	40	0	0	0	0	0	0	0	0	4	3	6	5	7	6	5	3	0	1
	Female	4	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0
Oropharynx	All	20	0	0	0	0	0	0	0	0	2	0	1	2	6	4	3	0	1	1
(C10)	Male	19	0	0	0	0	0	0	0	0	2	0	1	2	6	3	3	0	1	1
	Female	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Nasopharynx	All	94	0	0	0	1	2	1	2	4	11	14	16	16	10	14	3	0	0	0
(C11)	Male	80	0	0	0	1	2	1	2	2	10	12	13	12	9	13	3	0	0	0
	Female	14	0	0	0	0	0	0	0	2	1	2	3	4	1	1	0	0	0	0

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Hypopharynx	All	46	0	0	0	0	0	0	0	1	2	1	5	6	10	7	5	4	4	1
(C12-C13)	Male	43	0	0	0	0	0	0	0	1	2	1	5	6	10	6	5	4	2	1
	Female	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0
Pharynx, unspecified	All	17	0	0	0	0	0	0	0	0	0	1	2	4	2	1	1	1	1	4
(C14)	Male	3	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
	Female	14	0	0	0	0	0	0	0	0	0	0	1	4	2	0	1	1	1	4
Esophagus	All	127	0	0	0	0	0	0	0	0	5	4	20	19	28	18	8	13	5	7
(C15)	Male	113	0	0	0	0	0	0	0	0	5	4	19	15	26	18	7	12	4	3
	Female	14	0	0	0	0	0	0	0	0	0	0	1	4	2	0	1	1	1	4
Stomach	All	57	0	0	0	0	0	0	2	2	2	7	7	8	9	6	5	4	4	1
(C16)	Male	23	0	0	0	0	0	0	0	1	0	3	3	3	3	3	3	2	1	1
	Female	34	0	0	0	0	0	0	2	1	2	4	4	5	6	3	2	2	3	0
Small intestine	All	14	0	0	0	0	0	0	0	0	1	2	1	3	1	3	0	1	2	0
(C17)	Male	7	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	1	1	0
	Female	7	0	0	0	0	0	0	0	0	1	2	1	1	0	1	0	0	1	0
Colon	All	205	0	0	0	0	1	0	5	1	12	16	19	20	28	29	28	23	12	11
(C18)	Male	109	0	0	0	0	1	0	2	0	7	4	7	9	17	18	19	14	5	6
	Female	96	0	0	0	0	0	0	3	1	5	12	12	11	11	11	9	9	7	5
Rectum	All	306	0	0	1	0	1	3	5	9	13	19	34	30	57	47	30	27	21	9
(C19-C20)	Male	186	0	0	1	0	0	1	3	4	5	12	22	14	36	34	16	20	14	4
	Female	120	0	0	0	0	1	2	2	5	8	7	12	16	21	13	14	7	7	5

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Anus	All	20	0	0	0	0	0	0	0	1	2	1	0	3	2	4	3	2	2	0
(C21)	Male	14	0	0	0	0	0	0	0	1	1	1	0	1	2	3	3	0	2	0
	Female	6	0	0	0	0	0	0	0	0	1	0	0	2	0	1	0	2	0	0
Liver	All	336	1	2	0	0	0	0	1	7	10	18	46	48	65	59	28	30	6	15
(C22)	Male	236	0	1	0	0	0	0	1	5	9	15	40	38	45	38	15	18	3	8
	Female	100	1	1	0	0	0	0	0	2	1	3	6	10	20	21	13	12	3	7
Gallbladder etc.	All	69	1	0	0	0	0	0	0	0	0	4	7	10	13	12	8	6	7	1
(C23-C24)	Male	33	0	0	0	0	0	0	0	0	0	1	4	7	7	5	3	2	4	0
	Female	36	1	0	0	0	0	0	0	0	0	3	3	3	6	7	5	4	3	1
Pancreas	All	84	0	0	0	0	0	0	0	3	3	3	12	3	12	15	12	11	7	3
(C25)	Male	51	0	0	0	0	0	0	0	2	3	2	6	2	7	11	7	6	4	1
	Female	33	0	0	0	0	0	0	0	1	0	1	6	1	5	4	5	5	3	2
Nose, sinuses etc.	All	33	0	0	0	0	1	1	1	4	1	4	3	5	5	3	2	0	2	1
(C30-C31)	Male	22	0	0	0	0	1	1	1	3	1	3	1	4	3	0	2	0	1	1
	Female	11	0	0	0	0	0	0	0	1	0	1	2	1	2	3	0	0	1	0
Larynx	All	86	0	0	0	0	0	0	0	0	1	6	7	12	18	14	12	7	8	1
(C32)	Male	83	0	0	0	0	0	0	0	0	1	6	7	11	18	14	10	7	8	1
	Female	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0
Trachea, bronchus and lung	All	553	0	0	0	0	0	1	4	5	16	28	51	72	83	90	82	59	45	17
(C33-C34)	Male	359	0	0	0	0	0	1	3	3	11	17	31	46	57	61	48	37	33	11
	Female	194	0	0	0	0	0	0	1	2	5	11	20	26	26	29	34	22	12	6

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Other thoracic organs	All	5	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	0
(C37-C38)	Male	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0
	Female	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Bone	All	20	0	1	2	7	3	1	1	1	0	1	0	0	3	0	0	0	0	0
(C40-C41)	Male	11	0	1	1	4	1	0	0	0	0	1	0	0	3	0	0	0	0	0
	Female	9	0	0	1	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0
Melanoma of skin	All	17	0	0	0	0	0	1	0	1	0	0	5	2	3	3	1	1	0	0
(C43)	Male	11	0	0	0	0	0	1	0	0	0	0	4	1	2	2	0	1	0	0
	Female	6	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0
Other skin	All	121	0	0	0	1	0	0	3	4	3	10	5	12	11	12	13	14	17	16
(C44)	Male	60	0	0	0	0	0	0	2	2	1	4	3	7	6	7	6	7	9	6
	Female	61	0	0	0	1	0	0	1	2	2	6	2	5	5	5	7	7	8	10
Mesothelioma	All	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C45)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kaposi sarcoma	All	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C46)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connective and soft tissues	All	73	3	0	0	2	1	4	1	3	4	4	12	9	10	9	3	5	3	0
(C47, C49)	Male	34	1	0	0	0	0	1	1	2	3	0	7	5	7	4	1	2	0	0
	Female	39	2	0	0	2	1	3	0	1	1	4	5	4	3	5	2	3	3	0

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Breast	All	763	0	0	0	1	0	4	25	44	84	109	145	126	94	58	34	23	9	7
(C50)	Male	5	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	0	0	0
	Female	758	0	0	0	1	0	4	25	44	84	108	145	125	92	57	34	23	9	7
Vulva	All	13	0	0	0	0	0	0	0	0	0	0	1	0	3	2	1	3	2	1
(C51)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	13	0	0	0	0	0	0	0	0	0	0	1	0	3	2	1	3	2	1
Vagina	All	4	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	1	0
(C52)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	4	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	1	0
Cervix uteri	All	330	0	0	0	0	0	5	11	26	47	45	42	46	32	33	23	11	8	1
(C53)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	330	0	0	0	0	0	5	11	26	47	45	42	46	32	33	23	11	8	1
Corpus uteri	All	179	0	0	0	0	1	3	3	4	6	10	23	35	33	35	17	5	4	0
(C54)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	179	0	0	0	0	1	3	3	4	6	10	23	35	33	35	17	5	4	0
Uterus unspecified	All	27	0	0	0	0	0	0	0	0	2	3	3	3	8	3	2	1	2	0
(C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	27	0	0	0	0	0	0	0	0	2	3	3	3	8	3	2	1	2	0
Ovary	All	174	1	0	4	9	3	4	3	12	15	27	18	35	10	15	11	3	4	0
(C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	174	1	0	4	9	3	4	3	12	15	27	18	35	10	15	11	3	4	0

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Other female genital	All	5	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0
(C57)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	5	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0
Placenta	All	4	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0
(C58)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	4	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0
Penis	All	16	0	0	0	0	0	0	0	1	1	2	1	2	1	4	0	3	1	0
(C60)	Male	16	0	0	0	0	0	0	0	1	1	2	1	2	1	4	0	3	1	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prostate	All	186	0	0	0	0	0	0	0	0	0	1	3	11	26	48	38	23	24	12
(C61)	Male	186	0	0	0	0	0	0	0	0	0	1	3	11	26	48	38	23	24	12
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Testis	All	6	0	0	0	0	0	1	0	2	1	0	2	0	0	0	0	0	0	0
(C62)	Male	6	0	0	0	0	0	1	0	2	1	0	2	0	0	0	0	0	0	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other parts of male genital organs	All	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(C63)	Male	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kidney	All	65	5	0	0	0	0	0	1	2	3	9	6	8	8	7	6	3	4	3
(C64)	Male	42	2	0	0	0	0	0	1	1	2	6	6	3	5	6	4	2	3	1
	Female	23	3	0	0	0	0	0	0	1	1	3	0	5	3	1	2	1	1	2

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Renal pelvis	All	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2
(C65)	Male	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ureter	All	8	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	3	2	0
(C66)	Male	7	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	3	1	0
	Female	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Bladder	All	86	0	0	0	0	0	0	1	0	0	6	5	13	13	12	8	16	11	1
(C67)	Male	64	0	0	0	0	0	0	1	0	0	5	3	11	9	10	5	15	5	0
	Female	22	0	0	0	0	0	0	0	0	0	1	2	2	4	2	3	1	6	1
Other and unspecified urinary organs	All	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(C68)	Male	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eye	All	20	8	3	0	0	0	0	0	0	0	1	2	0	2	0	0	0	1	3
(C69)	Male	10	4	2	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1
	Female	10	4	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	2
Brain, nervous system	All	74	3	6	4	5	1	2	3	2	3	7	10	6	11	3	6	1	1	0
(C70-C72)	Male	35	2	0	2	2	0	2	0	1	1	4	4	5	6	1	4	0	1	0
	Female	39	1	6	2	3	1	0	3	1	2	3	6	1	5	2	2	1	0	0
Thyroid	All	321	0	0	1	6	9	30	22	31	39	22	32	34	27	27	21	11	4	5
(C73)	Male	63	0	0	0	0	0	5	3	6	11	3	2	8	5	9	7	1	2	1
	Female	258	0	0	1	6	9	25	19	25	28	19	30	26	22	18	14	10	2	4

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Adrenal gland	All	9	4	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(C74)	Male	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	3	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Other endocrine	All	10	0	2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
(C75)	Male	8	0	2	1	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	male	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Hodgkin lymphoma	All	32	0	3	2	6	2	6	2	2	0	2	2	0	1	3	1	0	0	0
(C81)	Male	19	0	2	2	1	2	2	1	2	0	1	2	0	1	3	0	0	0	0
	Female	13	0	1	0	5	0	4	1	0	0	1	0	0	0	0	1	0	0	0
Non-Hodgkin lymphoma	All	204	3	1	1	2	4	9	7	5	7	8	15	23	38	22	21	15	14	9
(C82-C85, C96)	Male	107	2	0	1	1	1	2	4	3	4	4	9	11	23	11	9	10	9	3
	Female	97	1	1	0	1	3	7	3	2	3	4	6	12	15	11	12	5	5	6
Malignant immunoproliferative	All	25	0	0	0	0	0	0	0	1	2	3	4	2	4	4	1	2	1	1
diseases (C88)	Male	15	0	0	0	0	0	0	0	1	1	3	1	2	2	3	1	1	0	0
	Female	10	0	0	0	0	0	0	0	0	1	0	3	0	2	1	0	1	1	1
Multiple myeloma	All	36	0	0	0	0	0	0	0	1	0	1	3	7	6	6	4	2	5	1
(C90)	Male	21	0	0	0	0	0	0	0	1	0	1	2	3	5	5	1	1	1	1
	Female	15	0	0	0	0	0	0	0	0	0	0	1	4	1	1	3	1	4	0
Lymphoid leukemia	All	29	6	4	2	4	0	1	0	0	0	2	2	0	2	0	3	2	1	0
(C91)	Male	18	4	2	1	3	0	0	0	0	0	1	1	0	2	0	1	2	1	0
	Female	11	2	2	1	1	0	1	0	0	0	1	1	0	0	0	2	0	0	0

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Myeloid leukemia	All	54	5	2	2	1	2	2	2	1	3	0	6	6	2	5	4	5	4	2
(C92-C94)	Male	23	2	0	1	1	2	1	0	0	2	0	2	3	1	3	2	1	2	0
	Female	31	3	2	1	0	0	1	2	1	1	0	4	3	1	2	2	4	2	2
Leukemia unspecified	All	4	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0
(C95)	Male	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
	Female	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Myeloproliferative disease	All	36	1	1	0	0	0	3	1	0	1	3	1	3	6	4	2	0	7	3
(D45,D47)	Male	15	0	1	0	0	0	2	0	0	0	2	0	1	2	2	1	0	3	1
	Female	21	1	0	0	0	0	1	1	0	1	1	1	2	4	2	1	0	4	2
Myelodysplastic syndromes	All	8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
(D46)	Male	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0
	Female	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Other & unspecified	All	61	0	0	0	0	0	0	0	1	1	2	5	6	13	12	3	7	6	5
(C26, C39, C48, C76, C80)	Male	39	0	0	0	0	0	0	0	0	0	0	4	4	10	8	2	6	4	1
	Female	22	0	0	0	0	0	0	0	1	1	2	1	2	3	4	1	1	2	4
All sites	All	5,368	41	27	21	49	32	85	112	186	328	433	621	690	757	693	487	372	279	155
	Male	2,423	21	13	10	17	10	23	26	47	100	140	248	282	399	388	251	217	158	73
	Female	2,945	20	14	11	32	22	62	86	139	228	293	373	408	358	305	236	155	121	82

TABLE 26: HISTOLOGICAL TYPES

PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Lip			1	6	7
(C00)	8070	Squamous cell carcinoma	1	6	7
Tongue			79	32	111
(C01-C02)	8010	Carcinoma, NOS	0	1	1
	8041	Small cell carcinoma	1	0	1
	8051	Verrucous carcinoma	0	2	2
	8070	Squamous cell carcinoma, NOS	76	29	105
	8071	Squamous cell carcinoma, keratinizing	1	0	1
	8140	Adenocarcinoma	1	0	1
Mouth			73	27	100
(C03-C06)	8000	No microscopic confirmation	1	0	1
	8000	Malignancy	2	0	2
	8010	Carcinoma, NOS	2	0	2
	8051	Verrucous carcinoma, NOS	1	1	2
	8070	Squamous cell carcinoma	64	23	87
	8140	Adenocarcinoma	1	1	2
	8200	Adenoid cystic carcinoma	0	1	1
	8430	Mucoepidermoid carcinoma	1	0	1
	8500	Ductal carcinoma, NOS	0	1	1
	8720	Malignant melanoma	1	0	1
Salivary gland			12	9	21
(C07-C08)	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	1	1	2
	8070	Squamous cell carcinoma	2	1	3
	8140	Salivary duct carcinoma	4	0	4
	8147	Basal cell adenocarcinoma	1	0	1
	8200	Adenoid cystic carcinoma	2	3	5
	8430	Mucoepidermoid carcinoma	1	2	3
	8525	Polymorphous low grade adenocarcinoma	1	0	1
	8550	Acinar cell carcinoma	0	1	1



PRIMARY SITE					
(ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Tonsil			40	4	44
(C09)	8000	Malignancy	1	0	1
	8070	Squamous cell carcinoma	38	4	42
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
Oropharynx			19	1	20
(C10)	8070	Squamous cell carcinoma	18	1	19
	8071	Squamous cell carcinoma, keratinizing	1	0	1
Nasopharynx			80	14	94
(C11)	8010	Carcinoma, NOS	2	1	3
	8020	Undifferentiated carcinoma	34	3	37
	8070	Squamous cell carcinoma	11	2	13
	8072	Squamous cell carcinoma, nonkeratinizing	31	7	38
	8200	Adenoid cystic carcinoma	1	0	1
	8260	Nasopharyngeal papillary adenocarcinoma	0	1	1
	8430	Mucoepidermoid carcinoma	1	0	1
Hypopharynx			43	3	46
(C12-C13)	8070	Squamous cell carcinoma, NOS	43	3	46
Pharynx, unspecified			3	0	3
(C14)	8070	Squamous cell carcinoma, NOS	3	0	3
Esophagus			113	14	127
(C15)	8000	No microscopic confirmation	1	1	2
	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	2	0	2
	8041	Small cell neuroendocrine carcinoma	1	0	1
	8070	Squamous cell carcinoma	99	11	110
	8071	Squamous cell carcinoma, keratinizing, NOS	1	0	1
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
	8140	Adenocarcinoma	5	2	7
	8246	Neuroendocrine carcinoma	1	0	1
	8490	Signet ring cell adenocarcinoma	1	0	1



PRIMARY SITE					
(ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Stomach			23	34	57
(C16)	8000	No microscopic confirmation	1	1	2
	8070	Squamous cell carcinoma, NOS	3	1	4
	8140	Adenocarcinoma	16	23	39
	8480	Mucinous adenocarcinoma	1	0	1
	8490	Adenocarcinoma, signet-ring cell	2	9	11
Small intestine			7	5	12
(C17)	8010	Carcinoma, NOS	0	1	1
	8140	Adenocarcinoma	6	4	10
	8240	Carcinoid tumour	1	0	1
Colon			109	96	205
(C18)	8000	No microscopic confirmation	0	1	1
	8010	Carcinoma, NOS	5	3	8
	8140	Adenocarcinoma	99	88	187
	8480	Mucinous carcinoma	2	4	6
	8481	Mucin-producing adenocarcinoma	1	0	1
	8560	Adenosquamous carcinoma	2	0	2
Rectum			186	120	306
(C19-C20)	8000	No microscopic confirmation	1	2	3
	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	12	4	16
	8140	Adenocarcinoma	164	108	272
	8240	Carcinoid tumour	3	1	4
	8490	Adenocarcinoma, signet-ring cell	5	3	8
	8720	Malignant melanoma	0	2	2
Anus			14	6	20
(C21)	8010	Carcinoma, NOS	0	1	1
	8070	Squamous cell carcinoma	3	0	3
	8140	Adenocarcinoma, NOS	11	5	16



PRIMARY SITE					
(ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Liver			236	100	336
(C22)	8000	No microscopic confirmation	164	60	224
	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	1	1	2
	8140	Adenocarcinoma	12	10	22
	8160	Cholangiocarcinoma	7	12	19
	8170	Hepatocellular carcinoma, NOS	49	13	62
	8180	Hepatoblastoma	1	1	2
	8246	Neuroendocrine carcinoma	0	1	1
	8970	Hepatoblastoma	1	2	3
Gallbladder etc.			33	36	69
(C23-C24)	8000	No microscopic confirmation	7	8	15
	8010	Carcinoma, NOS	2	0	2
	8041	Small cell carcinoma	1	0	1
	8140	Adenocarcinoma, NOS	21	27	48
	8160	Cholangiocarcinoma	1	1	2
	8480	Mucinous adenocarcinoma	1	0	1
Pancreas			51	33	84
(C25)	8000	No microscopic confirmation	9	7	16
	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	1	0	1
	8140	Adenocarcinoma, NOS	31	22	53
	8240	Carcinoid tumour	6	1	7
	8246	Neuroendocrine carcinoma	3	0	3
	8500	Ductal adenocarcinoma	0	2	2
	8550	Acinar cell carcinoma	1	0	1
Nose, sinuses etc.			21	11	32
(C30-C31)	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	1	0	1
	8020	Undifferentiated carcinoma	2	1	3
	8070	Squamous cell carcinoma	9	5	14
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	3	0	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8140	Adenocarcinoma	0	1	1
	8200	Adenoid cystic carcinoma	3	1	4
	8246	Neuroendocrine carcinoma	0	1	1
	8430	Mucoepidermoid carcinoma	1	0	1
	8720	Malignant melanoma	1	0	1
	9522	Olfactory neuroblastoma	0	2	2
Larynx			78	3	81
(C32)	8070	Squamous cell carcinoma	78	3	81
	8071	Squamous cell carcinoma, keratinizing, NOS	3	0	3
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
	8074	Squamous cell carcinoma, spindle cell	1	0	1
Trachea, bronchus and lung			359	194	553
(C33-C34)	8000	No microscopic confirmation	44	14	58
	8010	Carcinoma, NOS	11	1	12
	8032	Spindle cell carcinoma	1	0	1
	8041	Small cell carcinoma	28	5	33
	8045	Combined small cell-squamous cell carcinoma	1	0	1
	8046	Non-small cell carcinoma	19	9	28
	8070	Squamous cell carcinoma, NOS	48	10	58
	8140	Adenocarcinoma	197	144	341
	8240	Carcinoid tumour	0	1	1
	8246	Neuroendocrine carcinoma	5	0	5
	8250	Bronchiolo-alveolar adenocarcinoma, NOS	1	1	2
	8255	Adenocarcinoma, mixed subtype	0	2	2
	8430	Mucoepidermoid carcinoma	0	1	1
	8480	Mucinous adenocarcinoma	0	2	2
	8490	Adenocarcinoma, signet-ring cell	0	1	1
	8550	Acinar adenocarcinoma	0	1	1
	8560	Adenosquamous carcinoma	4	0	4
	8801	Spindle cell sarcoma	0	2	2
Other thoracic organs			3	2	5
(C37-C38)	8000	No microscopic confirmation	1	1	2



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	1	1	2
Bone			11	9	20
(C40-C41)	9180	Osteosarcoma, NOS	7	3	10
	9186	Conventional central osteosarcoma	1	0	1
	9220	Chondrosarcoma, NOS	2	0	2
	9260	Ewing sarcoma	1	6	7
Melanoma of skin			11	6	17
(C43)	8720	Malignant melanoma, NOS	11	6	17
			60	61	121
Other skin	8051	Verrucous carcinoma, NOS	1	1	2
(C44)	8070	Squamous cell carcinoma	28	19	47
	8090	Basal cell carcinoma	24	31	55
	8094	Basosquamous carcinoma	0	1	1
	8409	Porocarcinoma	0	1	1
	8410	Sebaceous carcinoma	2	6	8
	8832	Dermatofibrosarcoma protuberans, NOS	5	2	7
Connective and soft tissues			35	41	76
(C47, C49)	8000	No microscopic confirmation	0	1	1
	8800	Soft tissue sarcoma	3	3	6
	8801	Spindle cell sarcoma	5	3	8
	8802	Pleomorphic cell sarcoma	0	1	1
	8804	Epithelioid sarcoma	0	1	1
	8805	Undifferentiated sarcoma	1	0	1
	8810	Adult fibrosarcoma	0	1	1
	8811	Myxofibrosarcoma	0	2	2
	8821	Desmoid-type fibromatosis	0	1	1
	8830	Undifferentiated pleomorphic sarcoma	3	7	10
	8850	Liposarcoma	3	2	5
	8851	Liposarcoma, well differentiated	2	3	5
	8852	Myxoid liposarcoma	3	0	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8854	Pleomorphic liposarcoma	2	2	4
	8858	Dedifferentiated liposarcoma	0	1	1
	8890	Leiomyosarcoma, NOS	3	3	6
	8900	Rhabdomyosarcoma, NOS	0	1	1
	8901	Pleomorphic rhabdomyosarcoma, NOS	1	1	2
	8920	Alveolar rhabdomyosarcoma	1	0	1
	9040	Synovial sarcoma, NOS	1	0	1
	9043	Synovial sarcoma, biphasic	3	0	3
	9071	Yolk sac tumor	0	1	1
	9080	Immature teratoma, NOS	1	0	1
	9120	Angiosarcoma	1	2	3
	9150	Hemangiopericytoma, malignant	0	1	1
	9180	Extraskeletal osteosarcoma	1	0	1
	9540	Malignant peripheral nerve sheath tumor	1	4	5
Breast			4	578	582
(C50)	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	0	29	29
	8041	Small cell neuroendocrine carcinoma	0	1	1
	8050	Papillary carcinoma, NOS	0	4	4
	8140	Adenocarcinoma, NOS	0	4	4
	8260	Papillary carcinoma	0	3	3
	8480	Mucinous carcinoma	0	16	16
	8500	Ductal carcinoma, NOS	4	654	658
	8503	Invasive papillary carcinoma	0	3	3
	8507	Invasive micropapillary carcinoma	0	2	2
	8510	Medullary carcinoma, NOS	0	3	3
	8520	Lobular carcinoma, NOS	1	21	22
	8522	Lobular and ductal carcinoma	0	2	2
	8523	Infiltrating duct and mucinous carcinoma	0	6	6
	8573	Adenocarcinoma with apocrine metaplasia	0	1	1
	8575	Metaplastic carcinoma, NOS	0	3	3
	8830	Undifferentiated pleomorphic sarcoma	0	1	1
	8980	Carcinosarcoma, NOS	0	2	2
	9020	Phyllodes tumor, malignant	0	2	2



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Vulva			0	13	13
(C51)	8070	Squamous cell carcinoma	0	8	8
	8071	Squamous cell carcinoma, keratinizing	0	1	1
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	0	1	1
	8542	Paget disease, extramammary (except Paget disease of bone)	0	2	2
	8890	Cutaneous leiomyosarcoma	0	1	1
Vagina			0	4	4
(C52)	8070	Squamous cell carcinoma, NOS	0	2	2
	8140	Adenocarcinoma, NOS	0	1	1
	8720	Malignant melanoma	0	1	1
Cervix uteri			0	330	330
(C53)	8000	No microscopic confirmation	0	1	1
	8010	Carcinoma, NOS	0	2	2
	8013	Large cell neuroendocrine carcinoma	0	5	5
	8041	Small cell neuroendocrine carcinoma	0	8	8
	8052	Papillary squamous cell carcinoma	0	4	4
	8070	Squamous cell carcinoma	0	165	165
	8071	Squamous cell carcinoma, keratinizing, NOS	0	21	21
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	0	44	44
	8076	microinvasive squamous cell carcinoma	0	2	2
	8140	Adenocarcinoma	0	67	67
	8244	Mixed carcinoid-adenocarcinoma	0	1	1
	8310	Clear cell adenocarcinoma, NOS	0	1	1
	8380	Endometrioid adenocarcinoma, NOS	0	1	1
	8384	Adenocarcinoma, endocervical type	0	1	1
	8490	Adenocarcinoma, signet-ring cell	0	1	1
	8560	Adenosquamous carcinoma	0	5	5
	8980	Carcinosarcoma, NOS	0	1	1
Corpus uteri			0	179	179
(C54)	8010	Carcinoma, NOS	0	3	3
	8070	Squamous cell carcinoma	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8140	Adenocarcinoma	0	4	4
	8260	Papillary adenocarcinoma	0	1	1
	8310	Clear cell carcinoma	0	2	2
	8323	Mixed cell adenocarcinoma	0	5	5
	8380	Endometrioid carcinoma, NOS	0	151	151
	8441	Serous adenocarcinoma, NOS	0	7	7
	8570	Endometrioid adenocarcinoma, variant with squamous differentiation	0	1	1
	8930	Endometrial stromal sarcoma, high grade	0	4	4
Uterus unspecified			0	27	27
(C55)	8000	No microscopic confirmation	0	1	1
	8890	Leiomyosarcoma, NOS	0	6	6
	8933	Adenosarcoma	0	1	1
	8980	Carcinosarcoma, NOS	0	19	19
Ovary			0	174	174
(C56)	8000	No microscopic confirmation	0	4	4
	8000	Malignancy	0	2	2
	8010	Carcinoma, NOS	0	3	3
	8070	Squamous cell carcinoma	0	5	5
	8071	Squamous cell carcinoma, keratinizing, NOS	0	1	1
	8140	Adenocarcinoma, NOS	0	31	31
	8246	Neuroendocrine carcinoma	0	1	1
	8310	Clear cell carcinoma	0	19	19
	8323	Mixed cell adenocarcinoma	0	6	6
	8380	Endometrioid adenocarcinoma, NOS	0	19	19
	8440	Cystadenocarcinoma	0	1	1
	8441	Serous adenocarcinoma	0	42	42
	8480	Mucinous adenocarcinoma	0	16	16
	8481	Mucin-producing adenocarcinoma	0	1	1
	8980	Carcinosarcoma, NOS	0	4	4
	9060	Dysgerminoma	0	4	4
	9070	Embryonal carcinoma, NOS	0	1	1
	9071	Yolk sac tumor	0	6	6



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	9080	Immature teratoma, NOS	0	5	5
	9085	Mixed germ cell tumor	0	3	3
Other female genital			0	5	5
(C57)	8070	Squamous cell carcinoma	0	1	1
	8140	Adenocarcinoma	0	2	2
	8441	Serous carcinoma, NOS	0	2	2
Placenta			0	4	4
(C58)	9100	Choriocarcinoma, NOS	0	4	4
Penis			16	0	16
(C60)	8010	Carcinoma, NOS	2	0	2
	8070	Squamous cell carcinoma	14	0	14
Prostate			186	0	186
(C61)	8000	No microscopic confirmation	6	0	6
	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	9	0	9
	8041	Small cell neuroendocrine carcinoma	1	0	1
	8140	Adenocarcinoma	168	0	168
	8550	Acinar adenocarcinoma	1	0	1
Testis			6	0	6
(C62)	8000	No microscopic confirmation	1	0	1
	8830	Undifferentiated pleomorphic sarcoma	1	0	1
	9061	Seminoma, NOS	2	0	2
	9064	Germ cell tumor, NOS	1	0	1
	9085	Mixed germ cell tumor	1	0	1
Other male genital organs			1	0	1
(C63)	8140	Adenocarcinoma	1	0	1
Kidney			42	23	65
(C64)	8000	No microscopic confirmation	5	5	10



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8010	Carcinoma, NOS	2	0	2
	8120	Infiltrating urothelial carcinoma	1	1	2
	8140	Adenocarcinoma	0	2	2
	8260	Papillary renal cell carcinoma	5	0	5
	8310	Clear cell carcinoma	23	10	33
	8312	Renal cell carcinoma, NOS	2	1	3
	8317	Chromophobe cell renal carcinoma	1	0	1
	8830	Undifferentiated pleomorphic sarcoma	1	0	1
	8890	Leiomyosarcoma, NOS	0	1	1
	8960	Wilms tumor	2	2	4
	8964	Clear cell sarcoma of kidney	0	1	1
Renal pelvis			5	0	5
(C65)	8000	No microscopic confirmation	1	0	1
	8120	Urothelial carcinoma, NOS	1	0	1
	8130	Papillary urothelial carcinoma	2	0	2
	8140	Adenocarcinoma	1	0	1
Ureter			7	1	8
(C66)	8000	No microscopic confirmation	0	1	1
	8120	Urothelial carcinoma, NOS	7	0	7
Bladder			64	22	86
(C67)	8000	No microscopic confirmation	2	1	3
	8010	Carcinoma, NOS	1	0	1
	8050	Papillary carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	1	0	1
	8120	Infiltrating urothelial carcinoma	31	16	47
	8122	Infiltrating urothelial carcinoma, sarcomatoid	1	0	1
	8130	Papillary urothelial carcinoma	25	4	29
	8140	Adenocarcinoma, NOS	1	1	2
	8480	Mucinous carcinoma	1	0	1
Urinary system, NOS			1	0	1
(C68)	8130	Papillary urothelial carcinoma	1	0	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Eye			10	10	20
(C69)	8070	Squamous cell carcinoma, NOS	3	3	6
	8140	Adenocarcinoma, NOS	0	1	1
	8200	Adenoid cystic carcinoma	1	0	1
	8720	Malignant melanoma	0	1	1
	9510	Retinoblastoma, NOS	6	4	10
	9511	Retinoblastoma, differentiated	0	1	1
Brain, nervous system			35	39	74
(C70-C72)	8000	No microscopic confirmation	3	4	7
	9064	Germinoma	2	1	3
	9364	Primitive neuroectodermal tumor	0	1	1
	9391	Ependymoma, NOS	3	3	6
	9392	Anaplastic ependymoma	1	0	1
	9400	Diffuse astrocytoma	0	2	2
	9401	Anaplastic astrocytoma	1	6	7
	9424	Pleomorphic xanthoastrocytoma	0	1	1
	9440	Glioblastoma, NOS	20	14	34
	9442	Gliosarcoma	1	1	2
	9451	Anaplastic oligodendroglioma	0	1	1
	9470	Medulloblastoma, NOS	1	3	4
	9472	Medulloblastoma	1	0	1
	9500	Central neuroblastoma	0	1	1
	9508	Atypical teratoid/rhabdoid tumor	2	0	2
	9530	Anaplastic meningioma	0	1	1
Thyroid			63	258	321
(C73)	8000	No microscopic confirmation	1	2	3
	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	2	4	6
	8021	Anaplastic carcinoma	4	4	8
	8140	Adenocarcinoma	1	1	2
	8260	Papillary carcinoma of thyroid	40	154	194
	8290	Hurthle cell carcinoma	0	2	2



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8330	Follicular carcinoma, NOS	8	40	48
	8335	Follicular carcinoma, minimally invasive	0	7	7
	8340	Papillary carcinoma, follicular variant	5	22	27
	8341	Papillary microcarcinoma	2	19	21
	8343	Papillary carcinoma, encapsulate	0	1	1
	8345	Medullary carcinoma of thyroid	0	1	1
Adrenal gland			6	3	9
(C74)	8000	No microscopic confirmation	1	0	1
	8140	Adenocarcinoma, NOS	0	1	1
	8370	Adrenal cortical carcinoma	0	2	2
	9500	Neuroblastoma, NOS	5	0	5
Other endocrine			8	2	10
(C75)	8140	Parathyroid carcinoma	0	1	1
	8240	Carcinoid tumour	0	1	1
	9064	Germinoma	5	0	5
	9071	Yolk sac tumor	2	0	2
	9080	Immature teratoma, NOS	1	0	1
Hodgkin lymphoma			19	13	32
(C81)	9650	Hodgkin lymphoma, NOS	4	3	7
	9652	Classical Hodgkin lymphoma, mixed cellularity, NOS	4	4	8
	9653	Hodgkin lymphoma, lymphocyte depletion, NOS	2	0	2
	9659	Hodgkin lymphoma, nodular lymphocyte predominance	1	0	1
	9663	Classical Hodgkin lymphoma, nodular sclerosis, NOS	7	6	13
	9665	Hodgkin disease, nodular sclerosis, mixed cellularity	1	0	1
Non-Hodgkin lymphoma			107	97	204
(C82-C86, C96)	9590	Lymphoma, NOS	0	2	2
	9591	Non-Hodgkin lymphoma, NOS	3	3	6
	9671	Plasmacytic lymphoma	1	0	1
	9673	Mantle cell lymphoma	7	1	8
	9679	Mediastinal large B-cell lymphoma	1	0	1
	9680	Diffuse large B-cell lymphoma	65	63	128



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	9684	Plasmablastic lymphoma	2	0	2
	9687	Burkitt lymphoma, NOS	2	0	2
	9690	Follicular lymphoma, NOS	1	1	2
	9691	Follicular lymphoma, grade 2	2	2	4
	9695	Follicular lymphoma, grade 1	3	3	6
	9698	Follicular lymphoma, grade 3	1	7	8
	9700	Mycosis fungoides	1	0	1
	9702	Peripheral T-cell lymphoma, NOS	5	7	12
	9705	Angioimmunoblastic T-cell lymphoma	1	0	1
	9708	Subcutaneous panniculitis-like T-cell lymphoma	0	1	1
	9709	Cutaneous T-cell lymphoma, NOS	4	1	5
	9714	T-cell lymphoma	2	1	3
	9719	Extranodal NK/T-cell lymphoma, nasal type	2	2	4
	9729	T-lymphoblastic lymphoma	2	2	4
	9751	Langerhans cell histiocytosis, NOS	2	1	3
Malignant immunoproliferative diseases			15	10	25
(C88)	9699	Extranodal marginal zone B-cell lymphoma, MALT type	14	10	24
	9761	Waldenstrom macroglobulinemia	1	0	1
Multiple myeloma			21	15	36
(C90)	9731	Solitary plasmacytoma	0	1	1
	9732	Plasma cell myeloma	19	14	33
	9734	Plasmacytoma, extramedullary (not occurring in bone)	2	0	2
Lymphoid leukemia			18	11	29
(C91)	9823	Chronic lymphatic leukemia	7	4	11
	9826	Burkitt cell leukemia	1	0	1
	9835	Acute lymphoblastic leukemia, NOS	9	7	16
	9837	T lymphoblastic leukemia	1	0	1
Myeloid leukemia			23	31	54
(C92-C94)	9861	Acute myeloid leukemia, NOS	17	22	39
	9863	Chronic myeloid leukemia, NOS	3	5	8
	9930	Myeloid sarcoma	1	3	4



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	9945	Chronic myelomonocytic leukemia, NOS	2	1	3
Leukemia unspecified			2	2	4
(C95)	9801	Acute leukemia, NOS	2	2	4
Myeloproliferative disorders			14	21	35
(D45, D47)	9950	Polycythemia vera	2	2	4
	9960	Chronic myeloproliferative disease, NOS	3	7	10
	9962	Essential hemorrhagic thrombocythemia	9	10	19
	9975	Myeloproliferative disease, NOS	0	2	2
Myelodysplastic syndromes			5	4	9
(D46)	9989	Myelodysplastic syndrome, NOS	5	4	9
Other & unspecified			39	22	61
(C26, C39, C48, C76, C80)	8000	No microscopic confirmation	6	2	8
	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	8	3	11
	8020	Undifferentiated carcinoma	1	1	2
	8070	Squamous cell carcinoma, NOS	16	1	17
	8140	Adenocarcinoma, NOS	4	6	10
	8246	Neuroendocrine carcinoma	1	2	3
	8249	Atypical carcinoid tumor	1	0	1
	8310	Clear cell carcinoma	1	0	1
	8441	Serous adenocarcinoma, NOS	0	7	7



APPENDIX: DEFINITIONS

BRAIN TUMOR	Excluding meningeal and cranial nerve tumor.
CANCER CASE	Excluding in situ neoplasms.
CODING	Topography according to the ICD-10, and morphology according to the ICD-O, third edition, coding in childhood based on International Classification of Childhood Cancer, Third edition (ICCC-3).
NEW CASE	Cancer case diagnosed at Songklanagarind Hospital or referred to Songklanagarind Hospital in the year reported.
NOS.	Not Otherwise Specified.