



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

HOSPITAL-BASED TUMOR REGISTRY

SONGKLANAGARIND HOSPITAL ANNUAL REPORT 2019

EDITED BY
PARADEE PRECHAWITTAYAKUL, B.Sc.
April, 2021



CANCER INFORMATION CENTER
<http://medinfo2.psu.ac.th/cancer>

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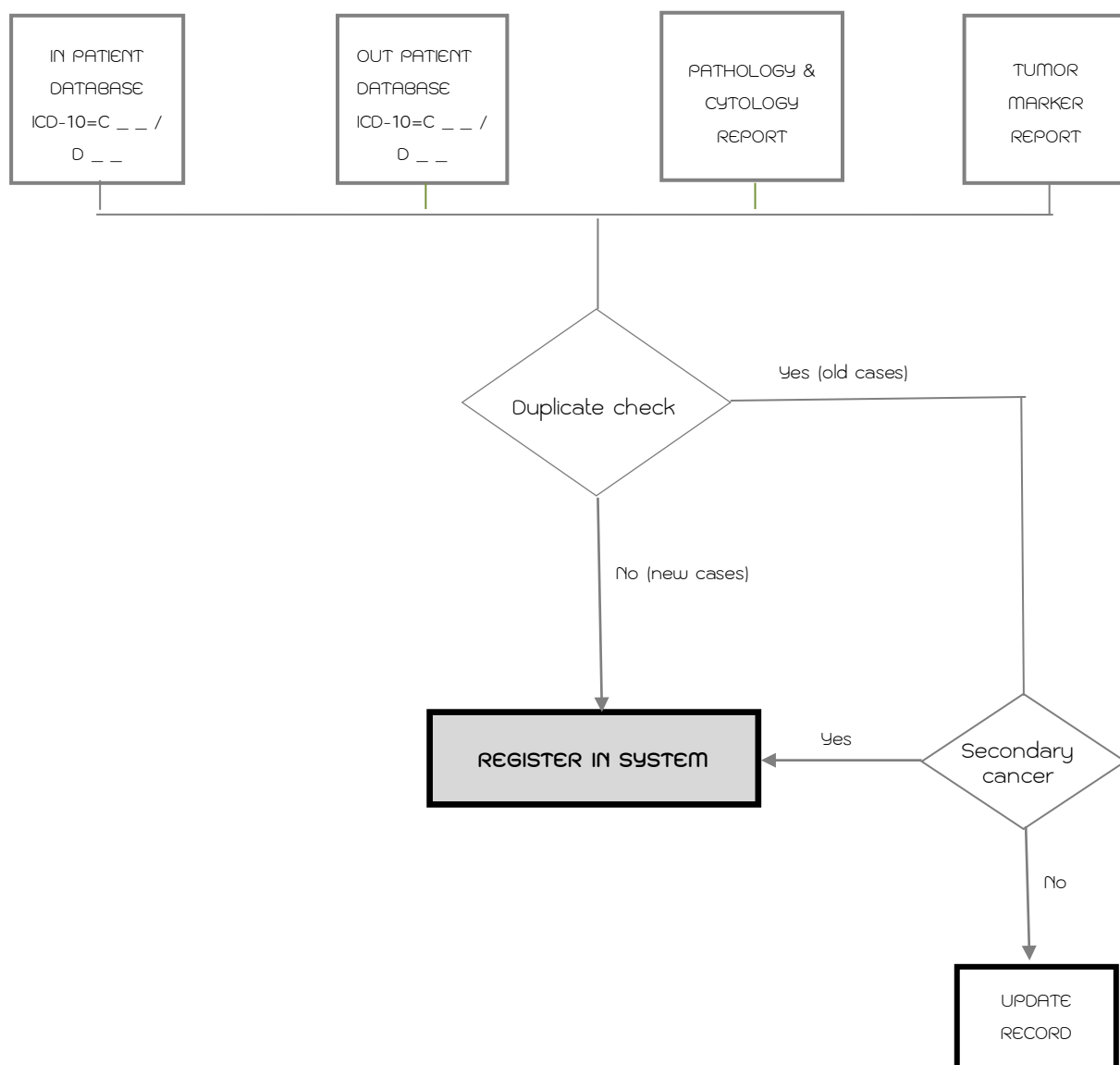
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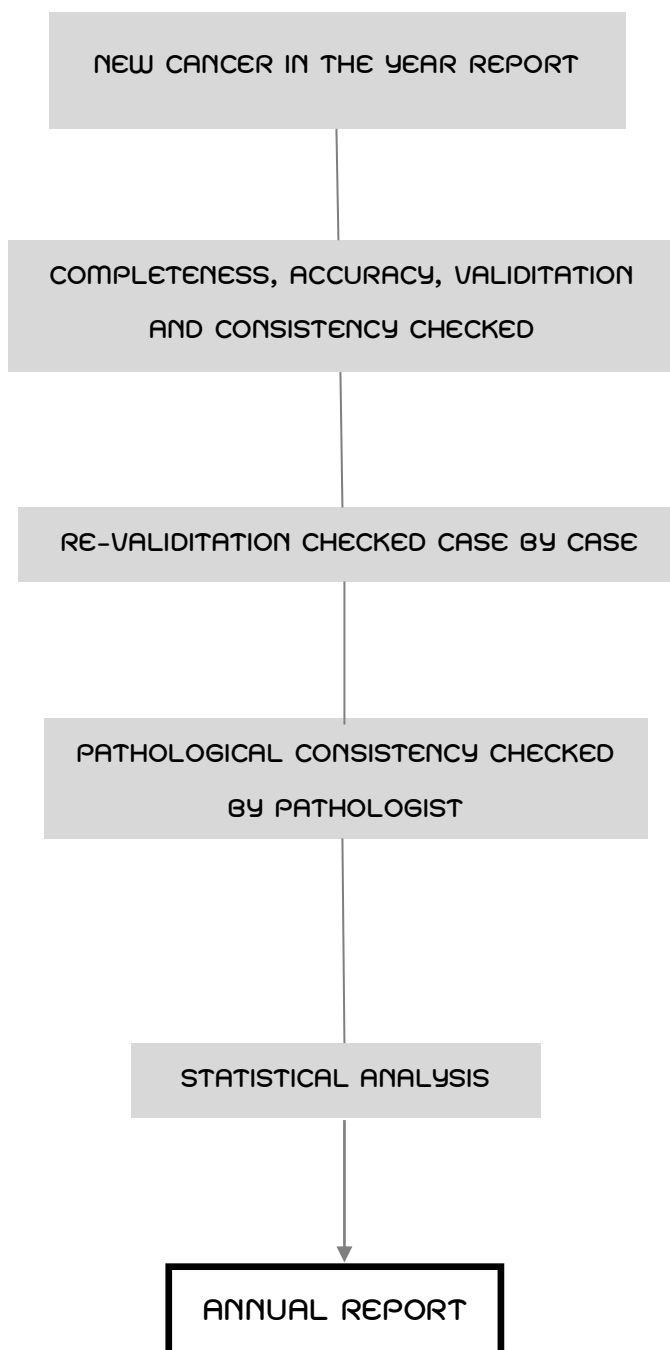
TUMOR REGISTRY STAFF

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MISS WANDEE	SRITONGKAEW	REGISTRAR
MRS. PARICHAD	PANCHALERM	REGISTRAR

FLOW CHART OF SONGKLANAGARIND TUMOR REGISTRY BY TUMOR REGISTRY TOOLS



FLOW CHART OF SONGKLANAGARIND CANCER REGISTRY REPORT



S U M M A R Y

From January to December 2019, among 88,940 patients who attended Songklanagarind Hospital, 5,480 cases were new cancer patients. Males accounted for 2,487 cancer cases (45.4%). The three most payment used were universal coverage Scheme (52.4%) government/state enterprise (25.2%) and Social Security Scheme (10.4%) respectively. The three most common sites, disregarding gender, were breast (722 cases, 13.2%), lung (533 cases, 9.7%), and colon and rectum (494 cases, 9.0%). The three most common primary sites in males were the lung (14.3%), colon & rectum (10.8%) and liver (11.5%). The three most common primary sites in females were the breast (24.1%), uterine cervix (11.7%) and thyroid (9.4%). There were 88 cases (1.6%) of childhood malignancy of which the most common type was leukemia.

The percentage of histologically confirmed cases was 89.3% in males and 96.6% in females. The three most common provinces of residence were Songkhla (27.0%), Nakhon Si Thammarat (14.3%) and Phattalung (12.1%).

TABLE 1: NUMBER OF PATIENTS IN SONGKLANAGARIND HOSPITAL

TYPE OF PATIENTS	NUMBER OF CASES
Total patients at outpatient department	1,108,747
New patients of hospital	21,293
New cancer patients	5,480

The new cancers were 25.7% of new patients of Songklanakarind hospital in year 2019.

FIGURE 1: TREND OF NEW CANCER CASES IN SONGKLANAGARIND HOSPITAL

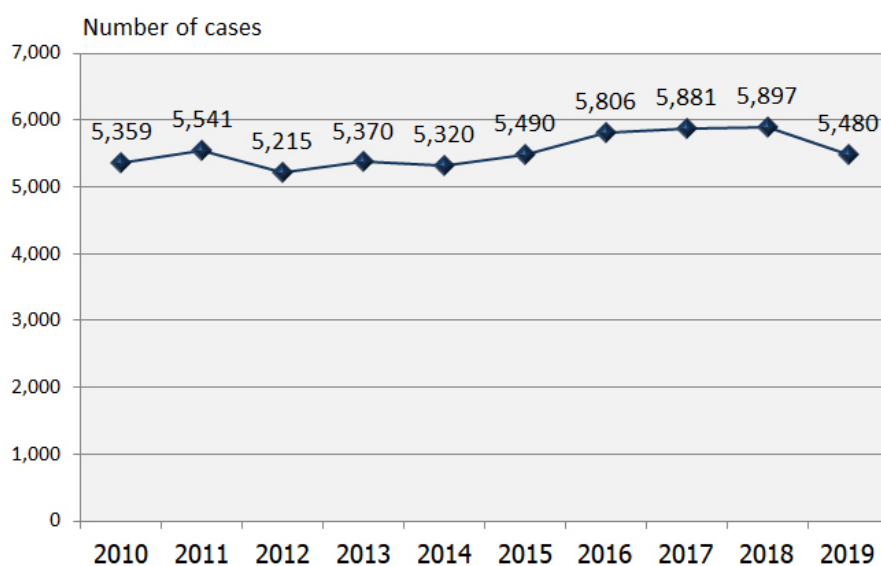


FIGURE 2: NEW CANCER CASES AS A PERCENTAGE OF YEAR ON YEAR

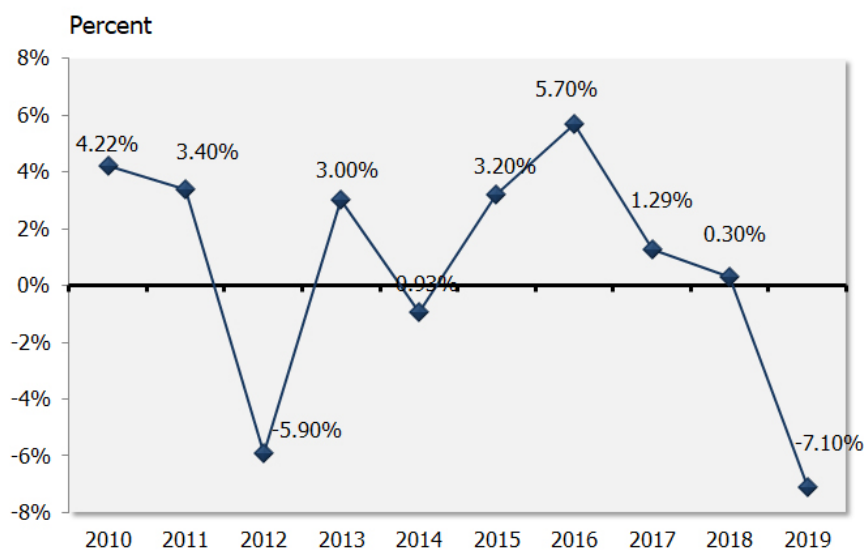


FIGURE 3: NUMBER OF NEW CANCER CASES BY MONTH

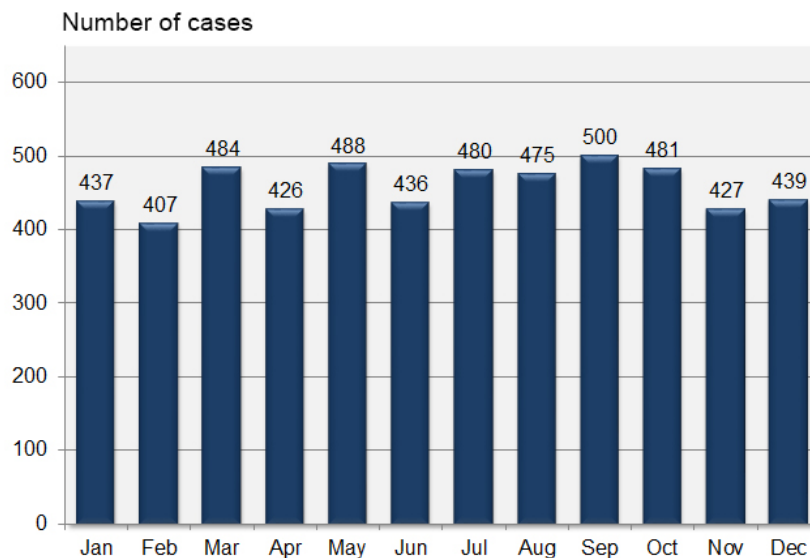


FIGURE 4: NUMBER AND PERCENTAGE OF CANCERS RECEIVED INITIAL DIAGNOSIS OR TREATMENT

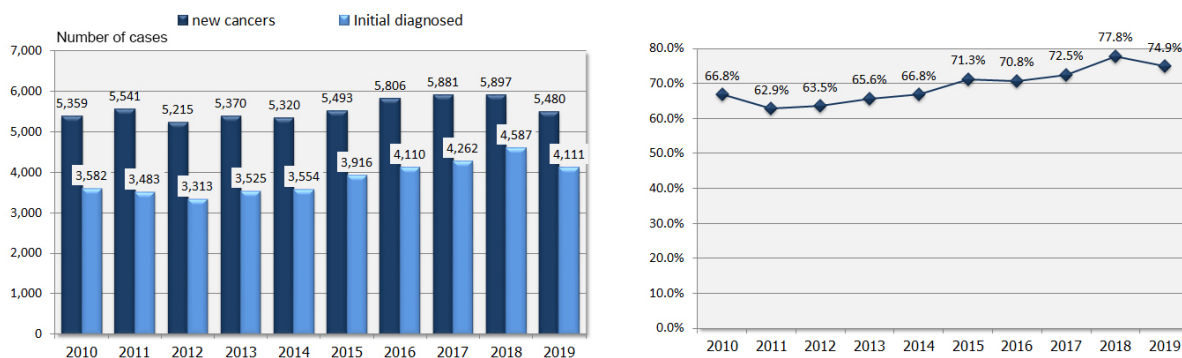


TABLE 3: DISTRIBUTION OF PATIENT PAYMENT USED

PAYMENT CATEGORIES	No.	%
Universal Coverage Scheme (UCS)	52.4%	2872
Government/ State Enterprise Officer (OFC)	25.2%	1381
Self Payment	1.0%	54
Social Security Scheme (SSS)	10.4%	568
Local Administrative Organization	4.1%	226
Others	6.9%	379
	100.0%	5,480

FIGURE 5: PERCENTAGE OF PATIENT PAYMENT USED

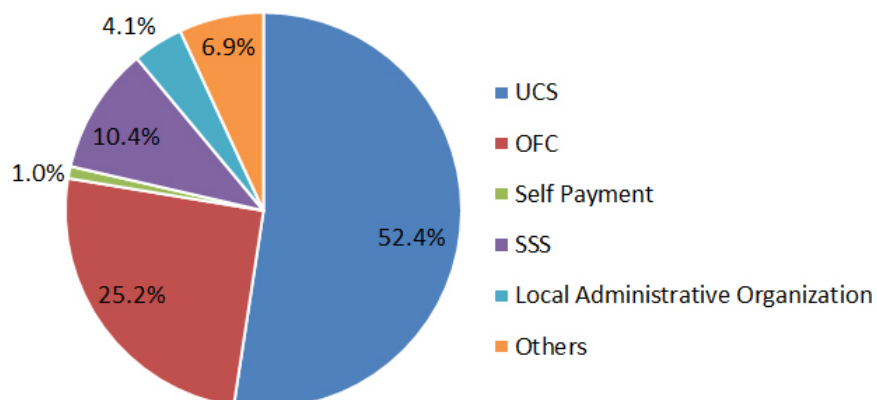


FIGURE 6: DISTRIBUTION OF RELIGION IN CANCER PATIENTS: PERCENTAGE

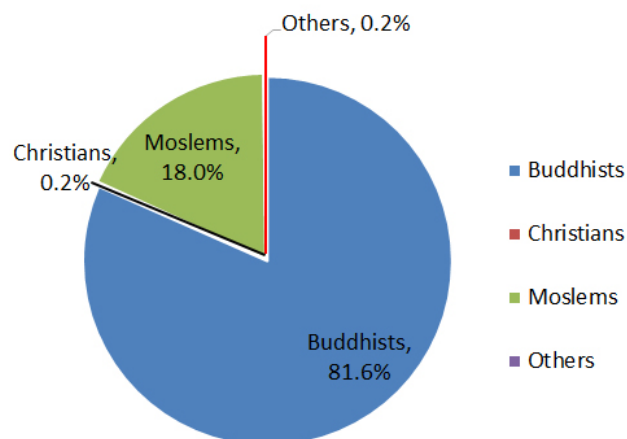


FIGURE 7: PERCENTAGE OF PATIENT BY RESIDENCE

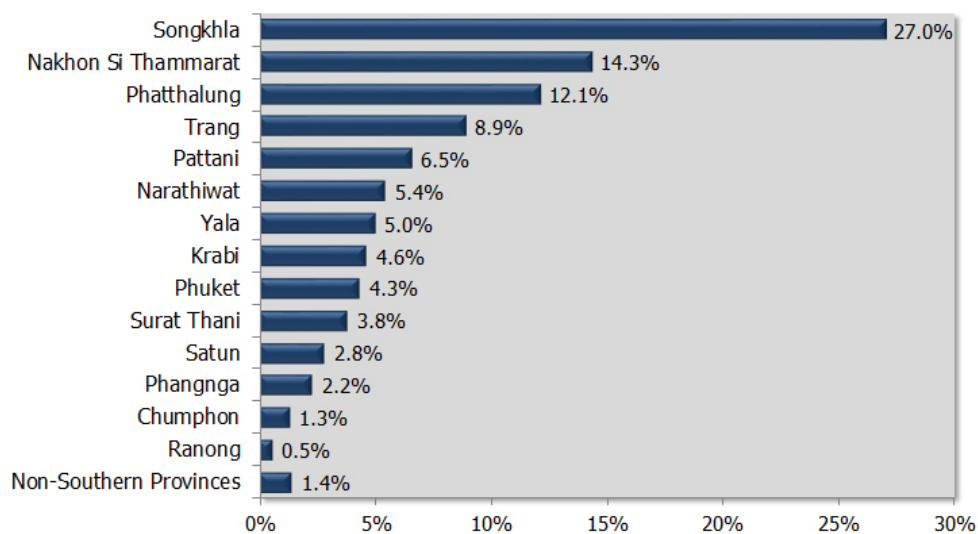


TABLE 4: DISTRIBUTION OF ALL NEWLY DIAGNOSED CANCER CASES BY AGE AND GENDER

AGE GROUP	Males		Females		Total	
	No	% OF ALL CANCER	No	% OF ALL CANCER	No	% OF ALL CANCER
0-	25	0.5%	12	0.2%	37	0.7%
5-	16	0.3%	6	0.1%	22	0.4%
10-	18	0.3%	11	0.2%	29	0.5%
15-	11	0.2%	31	0.6%	42	0.8%
20-	16	0.3%	28	0.5%	44	0.8%
25-	23	0.4%	71	1.3%	94	1.7%
30-	45	0.8%	100	1.8%	145	2.6%
35-	61	1.1%	187	3.4%	248	4.5%
40-	94	1.7%	254	4.6%	348	6.3%
45-	185	3.4%	296	5.4%	481	8.8%
50-	202	3.7%	351	6.4%	553	10.1%
55-	303	5.5%	443	8.1%	746	13.6%
60-	376	6.9%	353	6.4%	729	13.3%
65-	356	6.5%	305	5.6%	661	12.1%
70-	294	5.4%	200	3.6%	493	9.0%
75-	213	3.9%	143	2.6%	357	6.5%
80-	154	2.8%	116	2.1%	270	4.9%
85+	95	1.7%	86	1.6%	181	3.3%
	2487	45.4%	2,993	54.6%	5,480	100.0%

Male age; mean = 60.8 median = 63

Female age; mean = 55.6 median = 56

FIGURE 8: AGE DISTRIBUTION OF ALL MALIGNANCIES

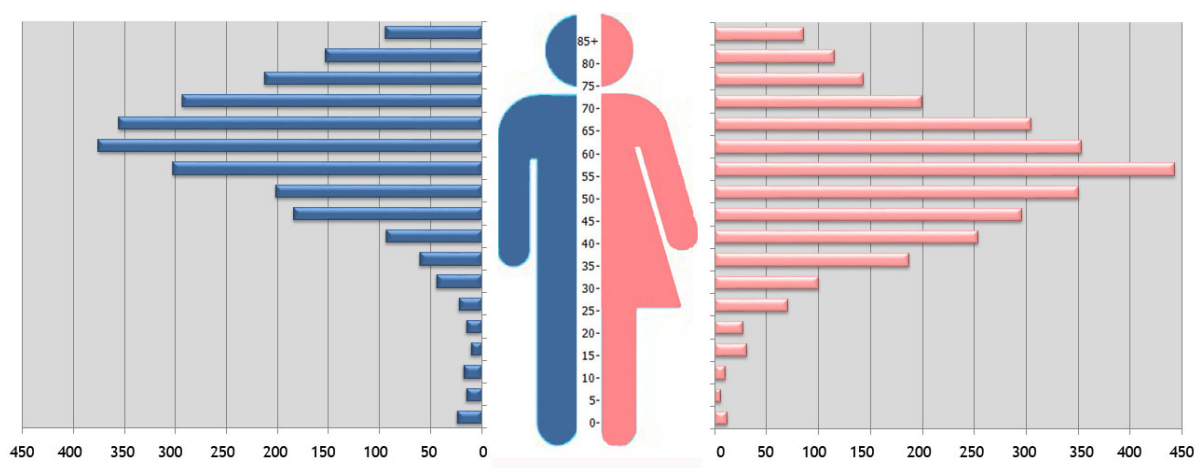


TABLE 5: DISTRIBUTION OF CASES ACCORDING TO METHOD OF DIAGNOSIS

METHOD OF DIAGNOSIS	MALE		FEMALE	
	NO.	% IN MALES	NO.	% IN FEMALES
Clinical only	3	0.1%	2	0.1%
Clinical investigation and imaging	160	6.4%	80	2.7%
Specific biochemistry	103	4.1%	19	0.6%
Cytology or hematology	33	1.3%	29	1.0%
Histology of metastasis	25	1.0%	14	0.5%
Histology of primary	2,163	87.0%	2,849	95.2%
	2,487	100.0%	2,993	100.0%

FIGURE 9: METHODS OF DIAGNOSIS

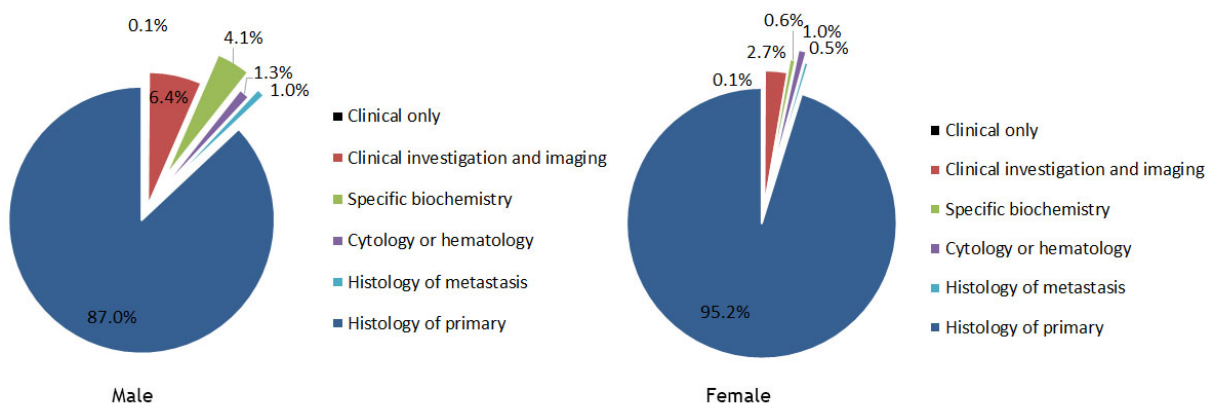


TABLE 6: PERCENTAGE OF MORPHOLOGICALLY VERIFIED CASES (%MV)

ICD-10	Primary sites	Male			Female			All		
		Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%
C00	Lip	5	5	100.0%	9	9	100.0%	13	13	100.0%
C01-C02	Tongue	82	82	100.0%	40	40	100.0%	122	122	100.0%
C03-C06	Mouth	59	59	100.0%	25	25	100.0%	84	84	100.0%
C07-C08	Salivary gland	16	16	100.0%	9	9	100.0%	25	25	100.0%
C09	Tonsil	32	32	100.0%	6	6	100.0%	38	38	100.0%
C10	Oropharynx	25	25	100.0%	2	2	100.0%	27	27	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	74	74	100.0%	28	28	100.0%	102	102	100.0%
C12-C13	Hypopharynx	57	56	98.2%	7	7	100.0%	64	63	98.4%
C14	Pharynx, unspecified	7	7	100.0%	3	3	100.0%	10	10	100.0%
C15	Esophagus	121	121	100.0%	13	13	100.0%	134	134	100.0%
C16	Stomach	45	45	100.0%	23	23	100.0%	68	68	100.0%
C17	Small intestine	4	4	100.0%	9	7	77.8%	13	11	84.6%
C18	Colon	108	105	97.2%	107	106	99.1%	215	211	98.1%
C19-C20	Rectum	161	158	98.1%	118	118	100.0%	279	276	98.9%
C21	Anus	13	13	100.0%	13	13	100.0%	26	26	100.0%
C22	Liver	260	80	30.8%	89	39	43.8%	349	119	34.1%
C23-C24	Gallbladder etc.	33	27	81.8%	29	22	75.9%	62	49	79.0%
C25	Pancreas	50	38	76.0%	44	34	77.3%	94	72	76.6%
C30-31	Nose, sinuses etc.	27	26	96.3%	12	12	100.0%	39	38	97.4%
C32	Larynx	74	74	100.0%	4	4	100.0%	78	78	100.0%
C33-C34	Bronchus and lung	355	328	92.4%	178	166	93.3%	533	494	92.7%
C37-C38	Other thoracic organs	9	9	100.0%	1	1	100.0%	10	10	100.0%
C40-C41	Bone	18	17	94.4%	18	18	100.0%	36	35	97.2%
C43	Melanoma of skin	15	15	100.0%	10	10	100.0%	25	25	100.0%
C44	Other skin	56	56	100.0%	63	63	100.0%	119	118	100.0%
C45	Mesothelioma	0	0	0.0%	2	2	100.0%	2	2	100.0%
C46	Kaposi sarcoma	1	1	100.0%	0	0	0.0%	1	1	100.0%
C47; C49	Connective and soft tissue	37	35	94.6%	35	33	94.3%	72	68	94.4%
C50	Breast	1	1	100.0%	721	719	99.7%	722	720	99.7%
C51	Vulva	0	0	0.0%	7	7	100.0%	7	7	100.0%
C52	Vagina	0	0	0.0%	7	7	100.0%	7	7	100.0%
C53	Cervix uteri	0	0	0.0%	351	351	100.0%	351	351	100.0%
C54	Corpus uteri	0	0	0.0%	206	206	100.0%	206	206	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	0	0	0.0%	25	25	100.0%	25	25	100.0%
C56	Ovary	0	0	0.0%	196	194	99.0%	196	194	99.0%
C57	Other female genital	0	0	0.0%	8	8	0.0%	8	8	100.0%
C58	Placenta	0	0	0.0%	5	5	100.0%	5	5	100.0%
C60	Penis	18	18	100.0%	0	0	0.0%	18	18	100.0%
C61	Prostate	186	182	97.8%	0	0	0.0%	186	182	97.8%
C62	Testis	8	8	100.0%	0	0	0.0%	8	8	100.0%
C63	Other male genital	1	1	100.0%	0	0	0.0%	1	1	100.0%
C64	Kidney	45	37	82.2%	30	27	90.0%	75	64	85.3%
C65	Renal pelvis	3	3	100.0%	0	0	0.0%	3	3	100.0%
C66	Ureter	2	2	100.0%	1	0	0.0%	3	2	66.7%
C67	Bladder	87	87	100.0%	19	19	100.0%	106	106	100.0%
C68	Other urinary organs	3	2	0.0%	1	1	100.0%	4	3	75.0%
C69	Eye	14	10	71.4%	6	6	100.0%	20	16	80.0%
C70-C72	Brain, nervous system	36	32	88.9%	26	23	88.5%	62	55	88.7%
C73	Thyroid	58	58	100.0%	280	279	99.6%	338	337	99.7%
C74	Adrenal gland	4	4	100.0%	0	0	0.0%	4	4	100.0%
C75	Other endocrine	10	8	80.0%	0	0	0.0%	10	8	80.0%
C81	Hodgkin's disease	12	12	100.0%	8	8	100.0%	20	20	100.0%
C82-C86, C96	Non-Hodgkin lymphoma	115	115	100.0%	90	90	100.0%	205	205	100.0%
C88	Malignant immunoproliferative diseases	9	9	100.0%	4	4	100.0%	13	13	100.0%
C90	Multiple myeloma	25	25	100.0%	17	17	100.0%	42	42	100.0%
C91	Lymphoid leukemia	21	21	100.0%	14	14	100.0%	35	35	100.0%
C92-C94	Myeloid leukemia	30	30	100.0%	21	20	95.2%	51	50	98.0%
C95	Leukemia unspecified	5	5	100.0%	2	2	100.0%	7	7	100.0%
MPD	Myeloproliferative disorders	9	9	100.0%	12	12	100.0%	21	21	100.0%
MDS	Myelodysplastic syndromes	4	4	100.0%	1	1	100.0%	5	5	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	Other and unspecified	38	31	81.6%	38	34	89.5%	76	65	85.5%
	TOTAL	2,487	2,221	89.3%	2,993	2,892	96.6%	5,480	5,113	93.3%

TABLE 7: THE 10 LEADING SITES OF CANCER IN ALL GENDER

ICD-10	PRIMARY SITE(Short title used)	NO.	% OF ALL CANCER
C50	Breast	722	13.2%
C33-C34	Bronchus and lung	533	9.7%
C18-C20	Colon & Rectum	494	9.0%
C53	Cervix uteri	351	6.4%
C22	Liver	349	6.4%
C73	Thyroid	338	6.2%
C01-06	Oral cavity	206	3.8%
C54	Corpus uteri	206	3.8%
C82-C86, C96	Non-Hodgkin lymphoma	205	3.7%
C56	Ovary	196	3.6%

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

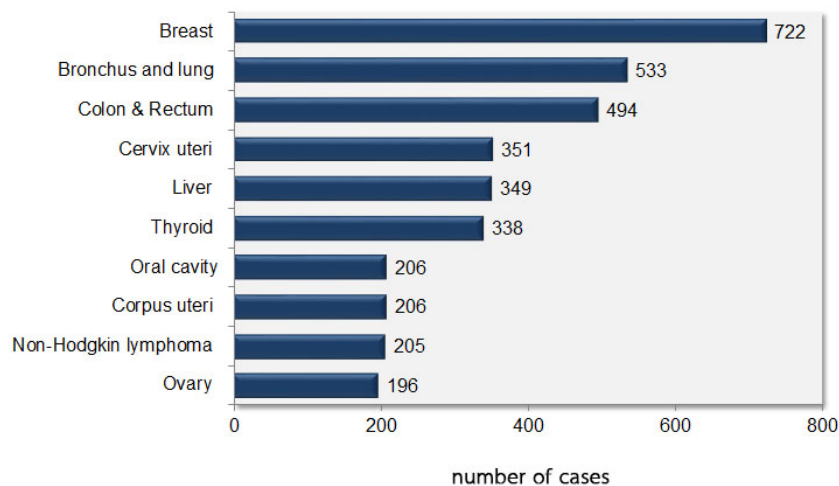


TABLE 8: THE 10 LEADING SITES OF CANCER IN MALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN MALES
C34	Bronchus and lung	355	14.3%
C18-C20	Colon & Rectum	269	10.8%
C22	Liver	260	10.5%
C61	Prostate	186	7.5%
C01-06	Oral cavity	141	5.7%
C15	Esophagus	121	4.9%
C82-C86, C96	Non-Hodgkin lymphoma	115	4.6%
C67	Bladder	87	3.5%
C11	Nasopharynx	74	3.0%
C32	Larynx	74	3.0%

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

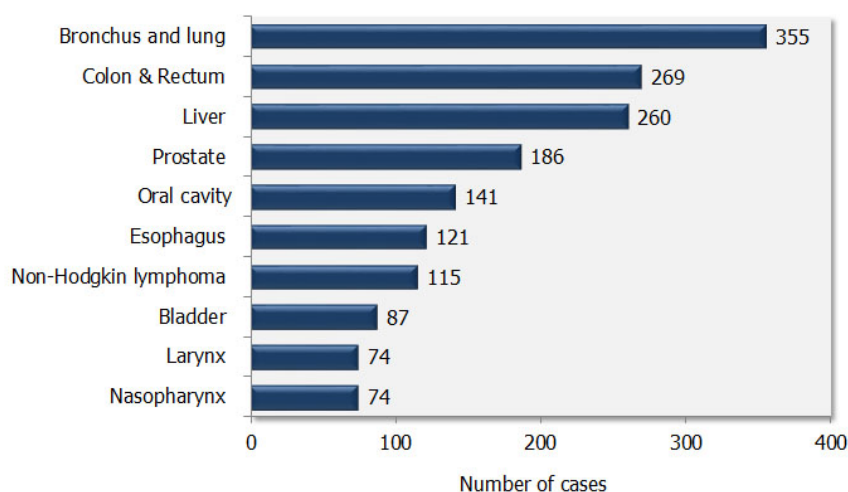


FIGURE 12: TRENDS OF FIVE LEADING SITES IN MALES: NUMBER

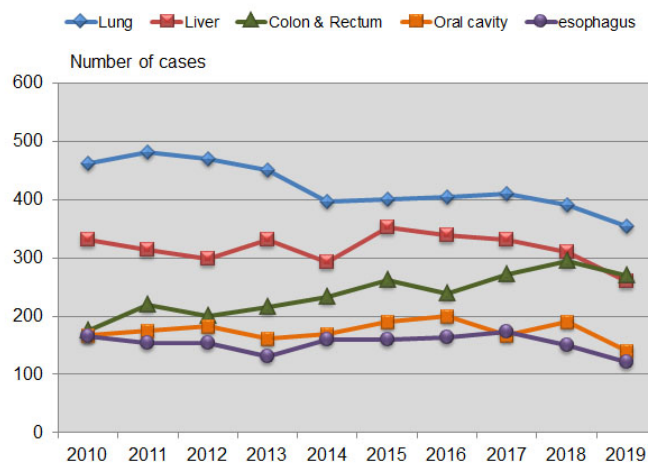


TABLE 9: THE 10 LEADING SITES OF CANCER IN FEMALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN FEMALES
C50	Breast	721	24.1%
C53	Cervix uteri	351	11.7%
C73	Thyroid	280	9.4%
C54	Corpus uteri	206	6.9%
C56	Ovary	196	6.5%
C34	Bronchus and lung	178	5.9%
C18-C20	Colon & Rectum	225	7.5%
C82-C86, C96	Non-Hodgkin lymphoma	90	3.0%
C22	Liver	89	3.0%
C44	Other skin	63	2.1%

FIGURE 13: THE 10 LEADING SITES OF CANCER IN FEMALES

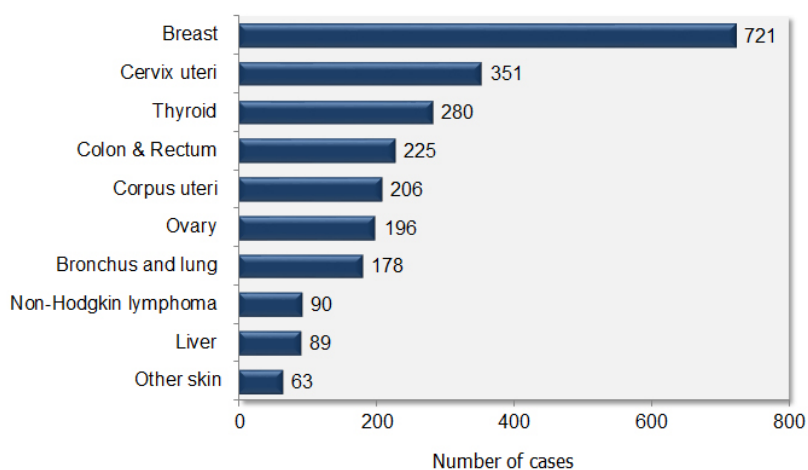


FIGURE 14: TRENDS OF FIVE LEADING SITES IN FEMALES: NUMBER

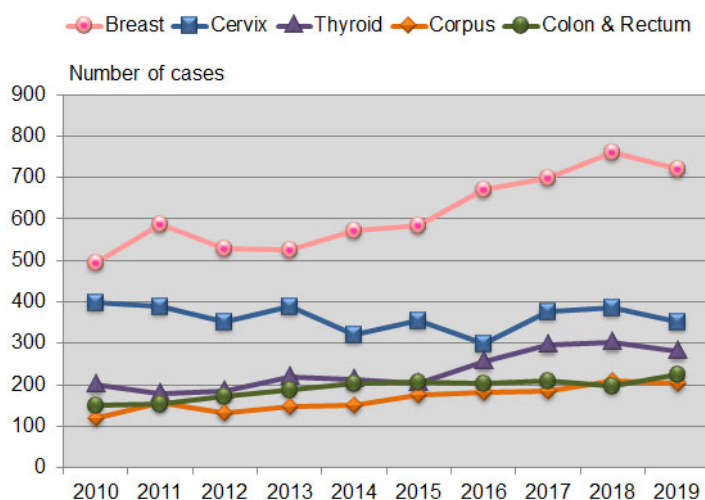


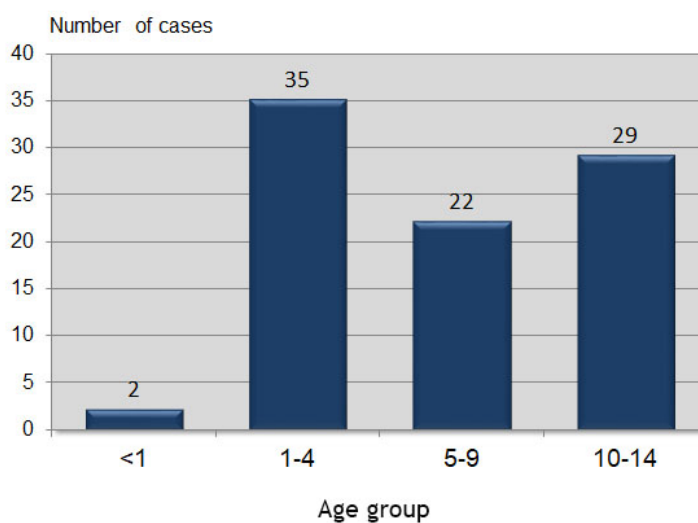
TABLE 10: MALIGNANCY IN CHILDHOOD (AGE 0-14 YEARS) *

SITE	GROUP (ICCC-3 division)	BOY	GIRL	ALL	
		NO.	NO.	NO.	%
I	Leukemias, myeloproliferative diseases, and myelodysplastic diseases	19	11	30	34.1%
II	Lymphomas and reticuloendothelial neoplasms	4	1	5	5.7%
III	CNS and miscellaneous intracranial and intraspinal neoplasms	6	4	10	11.4%
IV	Neuroblastoma and other peripheral nervous cell tumors	3	0	3	3.4%
V	Retinoblastoma	7	1	8	9.1%
VI	Renal tumors	2	2	4	4.5%
VII	Hepatic tumors	1	0	1	1.1%
VIII	Malignant bone tumors	4	5	9	10.2%
IX	Soft tissue and other extraosseous sarcomas	4	0	4	4.5%
X	Germ cell tumors, trophoblastic tumors, and neoplasms of gonads	8	3	11	12.5%
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		59	29	88	100.0%

The malignancy in childhood was 1.6% 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 = 6.7, Median = 6

INTERESTING CANCERS

ORAL CAVITY CANCER

ICD-10 C01-C06

FIGURE 16: DISTRIBUTION OF SUBSITES

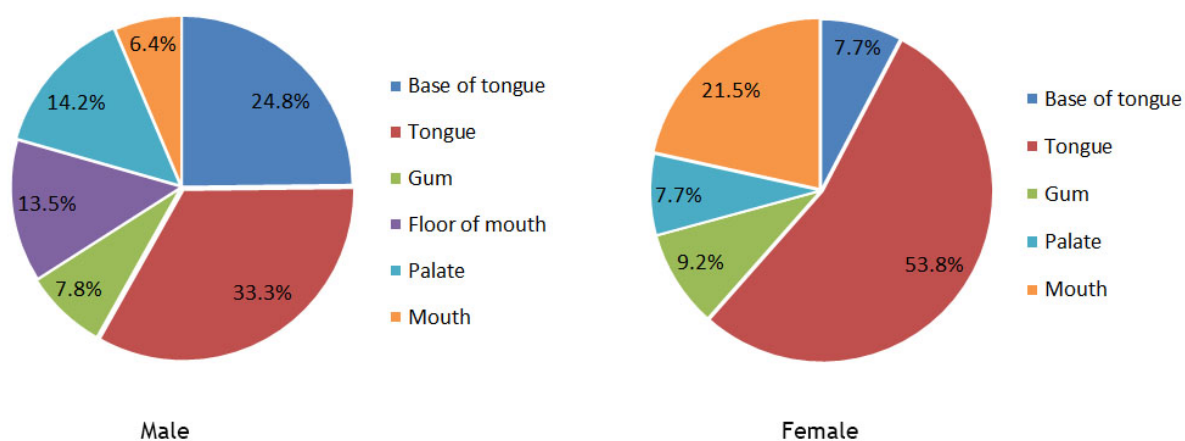


TABLE 11: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	14	10	24	11.7%
Stage II	14	14	28	13.6%
Stage III	23	10	33	16.0%
Stage IV	87	28	115	55.8%
Not specified	3	3	6	2.9%
Total	141	65	206	100.0%

ESOPHAGEAL CANCER

ICD-10 C15

FIGURE 17: DISTRIBUTION OF SUBSITES

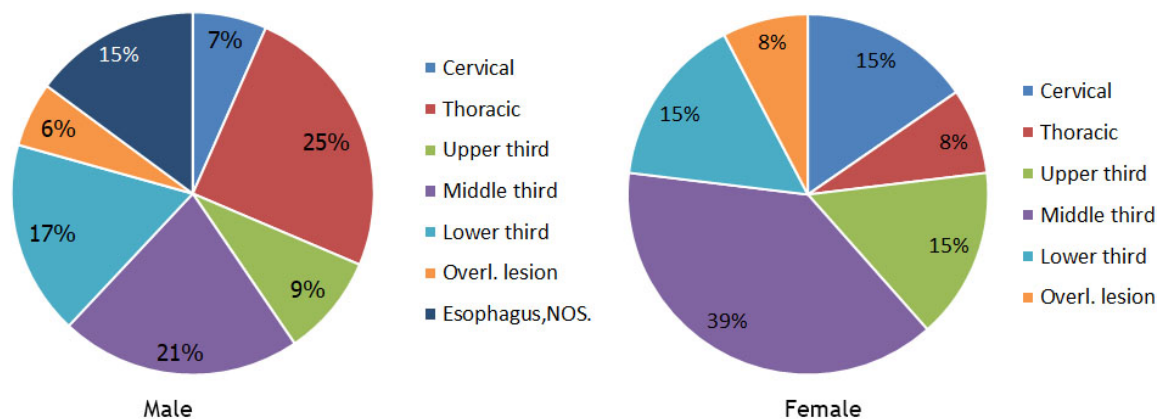


TABLE 12: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	2	1	3	2.2%
Stage II	9	2	11	8.2%
Stage III	39	3	42	31.3%
Stage IV	53	4	57	42.5%
Not specified	18	3	21	15.7%
Total	121	13	134	100.0%

COLON AND RECTUM CANCER

ICD-10 C18-20

FIGURE 18: DISTRIBUTION OF SUBSITES

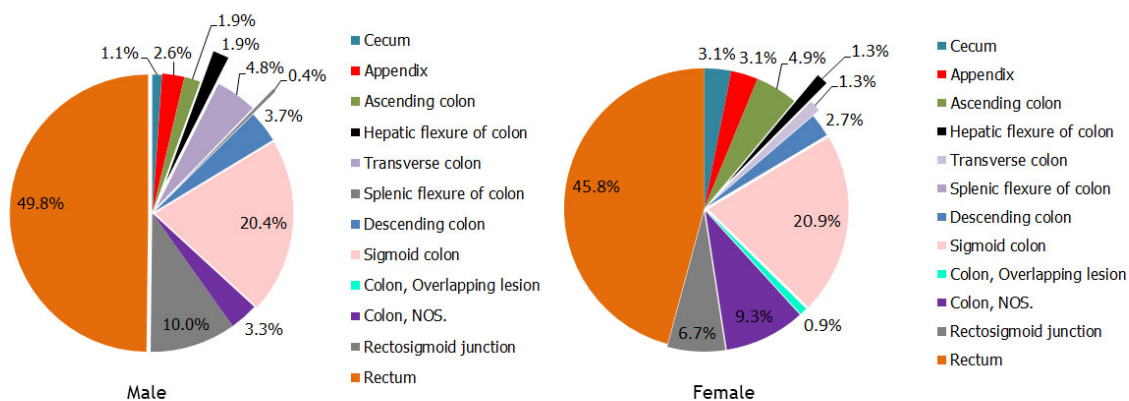
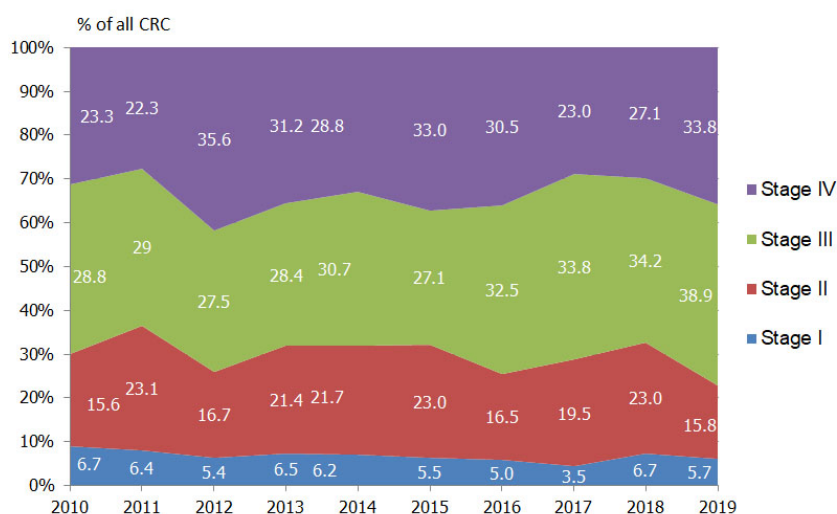


TABLE 13: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	14	14	28	5.7%
Stage II	38	40	78	15.8%
Stage III	112	80	192	38.9%
Stage IV	89	78	167	33.8%
Not specified	16	282	298	60.3%
Total	269	225	494	100.0%

FIGURE 19: STAGING TRENDS: PERCENTAGE



LUNG CANCER

ICD-10 C34

FIGURE 20: DISTRIBUTION OF SUBSITES

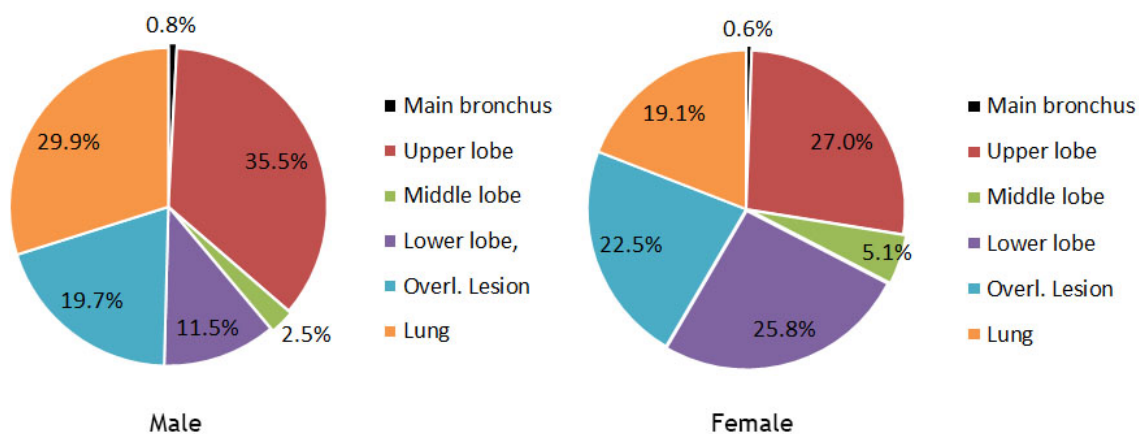


TABLE 14: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	16	13	29	5.4%
Stage II	11	5	16	3.0%
Stage III	60	13	73	13.7%
Stage IV	247	140	387	72.6%
Not specified	21	7	28	5.3%
Total	355	178	533	100.0%

BREAST CANCER (EXCLUDING IN SITU)

ICD-10 C50

TABLE 15: NUMBER OF FEMALE CASES DISTRIBUTION BY RELIGION

	NUMBER	%
Buddhists	555	77.0%
Moslems	164	22.7%
Christians	2	0.3%
Total	721	100.0%

TABLE 16: DISTRIBUTION OF HER-2 POSITIVE & TRIPLE NEGATIVE IN FEMALES; BUDDHISTS & MOSLEMS

	HER-2 positive	% of female breast cancer	Triple negative	% of female breast cancer
Buddhists	148	20.5%	65	9.0%
Moslems	48	6.7%	28	3.9%
Total	196	27.2%	93	12.9%

FIG.21: HER-2 POSITIVE & TRIPLE NEGATIVE IN FEMALES; BUDDHISTS & MOSLEMS

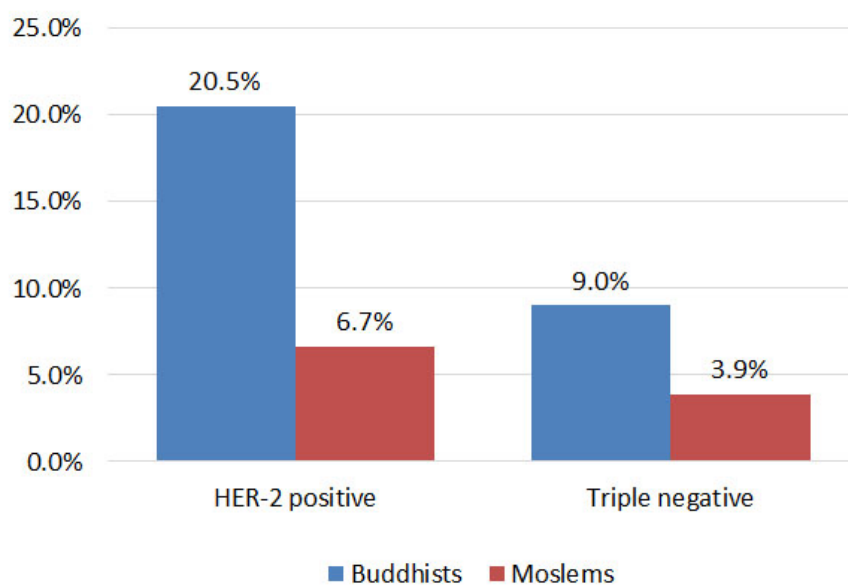


FIGURE 22: DISTRIBUTION OF SUBSITES

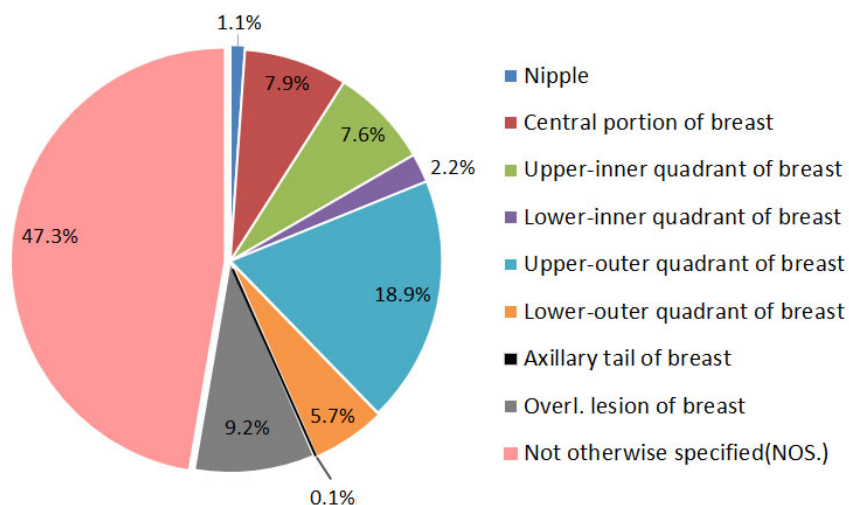
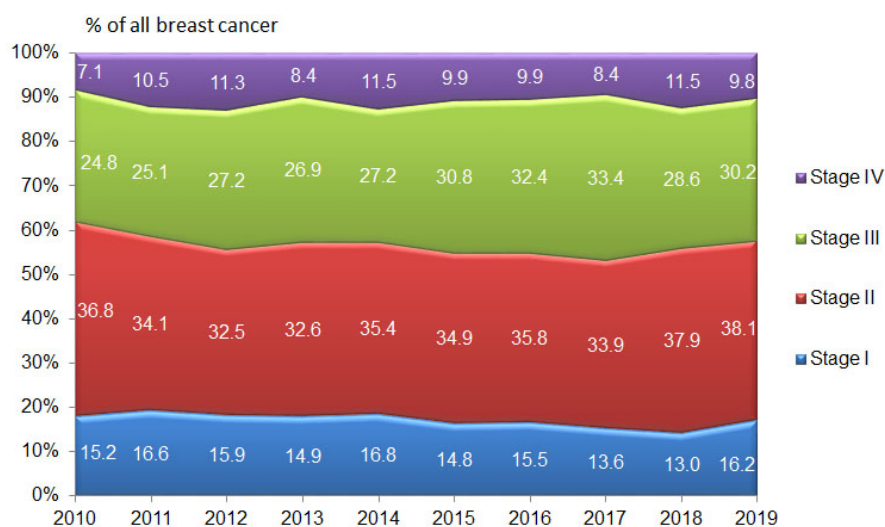


TABLE 15: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	0	117	117	16.2%
Stage II	0	275	275	38.1%
Stage III	0	218	218	30.2%
Stage IV	1	70	71	9.8%
Not specified	0	41	41	5.7%
Total	1	721	722	100.0%

FIGURE 23: STAGING TRENDS OF FEMALE BREAST CANCER: PERCENTAGE



CERVICAL CANCER (EXCLUDING IN SITU)

ICD-10 C53

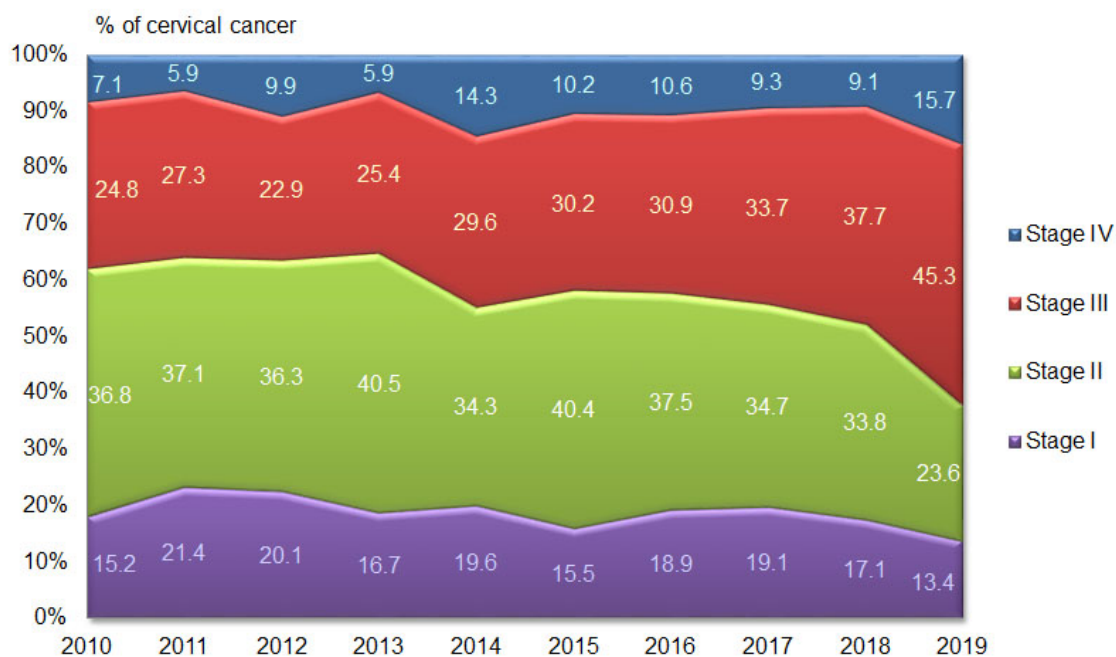
TABLE 16: DISTRIBUTION BY RELIGION

	NUMBER	%
Buddhist	280	79.8%
Moslem	71	20.2%
Total	351	100.0%

TABLE 17: STAGING

STAGE	NUMBER	%
Stage I	47	13.4%
Stage II	83	23.6%
Stage III	159	45.3%
Stage IV	55	15.7%
Not specified	7	2.0%
Total	351	100.0%

FIGURE 23: STAGING TRENDS OF CERVICAL CANCER: PERCENTAGE





OVARIAN CANCER

ICD-10 C56

TABLE 18: DISTRIBUTION BY RELIGION

RELIGION	NUMBER	%
Buddhists	156	79.6%
Moslems	38	19.4%
Christians	2	1.0%
Total	196	100.0%

TABLE 19: STAGING

STAGE	NUMBER	%
Stage I	60	30.6%
Stage II	24	12.2%
Stage III	27	13.8%
Stage IV	38	19.4%
Locally Advanced	17	8.7%
Not specified	30	15.3%
Total	196	100.0%

TABLE 20: 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 gender	122	0	0	0	0	1	1	4	2	5	15	21	12	20	15	12	7	4	3
(C00)	Male	82	0	0	0	0	0	0	3	0	3	9	13	7	18	11	8	6	3	1
	Female	40	0	0	0	0	1	1	1	2	2	6	8	5	2	4	4	1	1	2
Tongue	All gender	84	0	0	0	0	0	1	0	1	0	3	0	16	17	9	15	11	5	6
(C01-C02)	Male	59	0	0	0	0	0	0	0	0	0	2	0	13	14	6	11	8	3	2
	Female	25	0	0	0	0	0	1	0	1	0	1	0	3	3	3	4	3	2	4
Mouth	All gender	25	0	0	0	2	0	1	2	2	2	1	3	2	3	2	1	1	2	1
(C03-C06)	Male	16	0	0	0	0	0	1	2	1	1	1	2	2	3	0	1	1	1	0
	Female	9	0	0	0	2	0	0	0	1	1	0	1	0	0	2	0	0	1	1
Salivary gland	All gender	38	0	0	0	0	0	0	1	0	4	1	4	13	1	4	3	2	3	2
(C07-C08)	Male	32	0	0	0	0	0	0	0	0	4	1	4	11	1	3	3	2	2	1
	Female	6	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	0	1	1
Tonsil	All gender	122	0	0	0	0	1	1	4	2	5	15	21	12	20	15	12	7	4	3
(C09)	Male	82	0	0	0	0	0	0	3	0	3	9	13	7	18	11	8	6	3	1
	Female	40	0	0	0	0	1	1	1	2	2	6	8	5	2	4	4	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+
Oropharynx	All gender	27	0	0	0	0	0	0	0	2	1	4	1	3	4	5	2	3	2	0
(C10)	Male	25	0	0	0	0	0	0	0	1	0	4	1	3	4	5	2	3	2	0
	Female	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Nasopharynx	All gender	102	0	0	1	0	3	2	5	4	12	14	13	15	13	10	4	4	2	0
(C11)	Male	74	0	0	1	0	2	1	3	2	10	10	12	8	8	7	4	4	2	0
	Female	28	0	0	0	0	1	1	2	2	2	4	1	7	5	3	0	0	0	0
Hypopharynx	All gender	64	0	0	0	0	0	0	0	1	3	10	8	8	11	4	7	3	3	6
(C12-C13)	Male	57	0	0	0	0	0	0	0	1	3	10	7	8	10	4	5	1	3	5
	Female	7	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2	0	1
Pharynx, unspecified	All gender	10	0	0	0	0	0	0	0	0	2	0	0	1	2	0	1	1	3	0
(C14)	Male	7	0	0	0	0	0	0	0	0	2	0	0	1	2	0	0	0	2	0
	Female	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Esophagus	All gender	13	0	0	0	0	0	0	0	0	0	0	1	4	1	1	0	2	4	0
(C15)	Male	121	0	0	0	0	0	0	0	0	3	10	10	18	30	10	19	10	8	3
	Female	13	0	0	0	0	0	0	0	0	0	0	1	4	1	1	0	2	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+
Stomach	All gender	68	0	0	0	0	0	1	1	2	3	7	8	7	12	10	9	3	2	3
(C16)	Male	45	0	0	0	0	0	0	0	0	2	6	4	4	7	9	7	3	2	1
	Female	23	0	0	0	0	0	1	1	2	1	1	4	3	5	1	2	0	0	2
Small intestine	All gender	13	0	0	0	0	0	0	0	2	0	1	1	1	0	5	3	0	0	0
(C17)	Male	4	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0
	Female	9	0	0	0	0	0	0	0	0	0	1	1	1	0	3	3	0	0	0
Colon	All gender	215	0	0	0	1	0	2	6	7	13	20	16	32	24	29	21	17	8	19
(C18)	Male	108	0	0	0	0	0	2	3	2	3	12	5	14	9	23	11	12	4	8
	Female	107	0	0	0	1	0	0	3	5	10	8	11	18	15	6	10	5	4	11
Rectum	Both sex	279	0	0	0	1	0	1	2	11	13	20	26	36	32	50	37	27	18	5
(C19-C20)	Male	161	0	0	0	0	0	1	0	5	4	12	15	17	22	25	27	19	9	5
	Female	118	0	0	0	1	0	0	2	6	9	8	11	19	10	25	10	8	9	0
Anus	All gender	26	0	0	0	0	0	0	0	1	2	3	2	1	3	6	3	1	2	2
(C21)	Male	13	0	0	0	0	0	0	0	0	1	2	0	1	2	3	2	1	1	0
	Female	13	0	0	0	0	0	0	0	1	1	1	2	0	1	3	1	0	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+
Liver	All gender	349	0	1	0	0	0	1	5	8	13	29	38	64	60	50	33	14	22	11
(C22)	Male	260	0	1	0	0	0	1	4	7	7	26	32	51	49	35	22	9	13	3
	Female	89	0	0	0	0	0	0	1	1	6	3	6	13	11	15	11	5	9	8
Gallbladder etc.	All gender	62	0	0	0	0	0	0	1	1	1	4	7	9	8	9	12	6	2	2
(C23-C24)	Male	33	0	0	0	0	0	0	0	0	0	1	3	7	6	7	4	4	1	0
	Female	29	0	0	0	0	0	0	1	1	1	3	4	2	2	2	8	2	1	2
Pancreas	All gender	94	0	0	0	1	0	1	0	2	3	3	6	13	17	15	17	8	3	5
(C25)	Male	50	0	0	0	0	0	0	0	1	3	2	4	5	11	6	9	4	3	2
	Female	44	0	0	0	1	0	1	0	1	0	1	2	8	6	9	8	4	0	3
Nose, sinuses etc.	All gender	39	0	0	0	0	0	1	1	4	4	5	6	4	5	3	1	1	2	2
(C30-C31)	Male	27	0	0	0	0	0	1	1	2	4	4	3	4	4	1	0	1	1	1
	Female	12	0	0	0	0	0	0	0	2	0	1	3	0	1	2	1	0	1	1
Larynx	All gender	78	0	0	0	1	0	1	0	4	1	8	7	10	9	12	12	2	6	5
(C32)	Male	74	0	0	0	0	0	0	0	4	1	7	7	10	9	11	12	2	6	5
	Female	4	0	0	0	1	0	1	0	0	0	1	0	0	0	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+
Trachea, bronchus and lung	All gender	533	0	0	0	0	0	1	2	9	21	38	54	70	80	84	61	64	29	20
(C33-C34)	Male	355	0	0	0	0	0	1	0	6	10	28	32	45	65	56	37	42	19	14
	Female	178	0	0	0	0	0	0	2	3	11	10	22	25	15	28	24	22	10	6
Other thoracic organs	All gender	10	0	0	0	0	2	1	1	3	0	2	0	0	0	1	0	0	0	0
(C37-C38)	Male	9	0	0	0	0	2	1	1	3	0	1	0	0	0	1	0	0	0	0
	Female	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Bone	All gender	36	1	1	7	9	2	2	1	4	1	2	1	1	1	1	0	2	0	0
(C40-C41)	Male	18	0	1	3	5	1	1	1	0	1	2	1	1	1	0	0	0	0	0
	Female	18	1	0	4	4	1	1	0	4	0	0	0	0	0	1	0	2	0	0
Melanoma of skin	All gender	25	0	0	0	0	0	1	2	2	2	3	2	0	3	2	5	2	1	0
(C43)	Male	15	0	0	0	0	0	0	0	1	1	3	2	0	3	0	3	2	0	0
	Female	10	0	0	0	0	0	1	2	1	1	0	0	0	0	2	2	0	1	0
Other skin	All gender	119	0	0	0	0	2	1	2	0	3	3	7	9	18	16	9	12	18	19
(C44)	Male	56	0	0	0	0	1	0	2	0	2	1	7	3	10	7	3	5	8	7
	Female	63	0	0	0	0	1	1	0	0	1	2	0	6	8	9	6	7	10	12

PRIMARY SITE (ICD-10)	SEX	Total	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+
Mesothelioma	All gender	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
(C45)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Kaposisarcoma	All gender	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(C46)	Male	1	0	0	0	0	0	1	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 gender	72	1	2	1	3	4	2	2	6	4	7	3	13	9	7	3	1	3	1
(C47, C49)	Male	37	1	2	1	1	1	1	1	3	2	2	2	7	3	4	2	1	3	0
	Female	35	0	0	0	2	3	1	1	3	2	5	1	6	6	3	1	0	0	1
Breast	All gender	722	0	0	0	0	2	8	26	58	85	92	111	139	93	57	21	17	12	1
(C50)	Male	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Female	721	0	0	0	0	2	8	26	58	85	92	111	139	93	57	20	17	12	1
Vulva	All gender	7	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	1	1	0
(C51)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	7	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	1	1	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+
Vagina	All gender	7	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1	0	2	0
(C52)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	7	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1	0	2	0
Cervix uteri	All gender	351	0	0	0	0	1	5	9	30	40	59	54	49	33	29	12	15	6	9
(C53)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	351	0	0	0	0	1	5	9	30	40	59	54	49	33	29	12	15	6	9
Corpus uteri	All gender	206	0	0	0	0	0	1	7	7	11	14	28	40	45	30	13	8	2	0
(C54)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	206	0	0	0	0	0	1	7	7	11	14	28	40	45	30	13	8	2	0
Uterus unspecified	All gender	25	0	0	0	0	0	0	0	0	3	1	1	7	7	1	2	2	1	0
(C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	25	0	0	0	0	0	0	0	0	3	1	1	7	7	1	2	2	1	0
Ovary	All gender	196	0	1	2	6	4	8	6	14	17	29	21	33	23	11	8	4	6	3
(C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	196	0	1	2	6	4	8	6	14	17	29	21	33	23	11	8	4	6	3

[illegible]

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 parts of male genital organs	All gender	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(C63)	Male	1	0	0	0	0	0	0	0	0	1	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
Kidney	All gender	75	3	1	0	0	0	0	1	3	6	3	7	14	12	7	10	6	1	1
(C64)	Male	45	1	1	0	0	0	0	1	1	5	2	3	8	7	6	8	2	0	0
	Female	30	2	0	0	0	0	0	0	2	1	1	4	6	5	1	2	4	1	1
Renal pelvis	All gender	3	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0
(C65)	Male	3	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ureter	All gender	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(C66)	Male	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Female	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Bladder	All gender	106	0	0	0	0	0	0	0	0	2	4	4	6	13	17	24	9	16	11
(C67)	Male	87	0	0	0	0	0	0	0	0	1	4	4	5	10	12	21	9	12	9
	Female	19	0	0	0	0	0	0	0	0	1	0	0	1	3	5	3	0	4	2

[illegible]

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 endocrine	All gender	10	0	2	5	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
(C75)	Male	10	0	2	5	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
	male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hodgkin lymphoma	All gender	20	1	2	0	3	3	3	0	0	1	1	1	0	2	0	2	0	1	0
(C81)	Male	12	1	2	0	1	2	2	0	0	0	0	1	0	2	0	0	0	1	0
	Female	8	0	0	0	2	1	1	0	0	1	1	0	0	0	0	2	0	0	0
Non-Hodgkin lymphoma	All gender	205	5	2	0	1	1	7	5	9	9	15	10	23	31	27	21	21	12	6
(C82-C85, C96)	Male	115	3	2	0	0	1	3	5	7	4	8	6	10	20	17	10	10	5	4
	Female	90	2	0	0	1	0	4	0	2	5	7	4	13	11	10	11	11	7	2
Malignant immunoproliferative diseases	All gender	13	0	0	0	0	0	0	0	1	0	0	1	0	2	4	0	3	1	1
(C88)	Male	9	0	0	0	0	0	0	0	1	0	0	1	0	1	2	0	3	1	0
	Female	4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1
Multiple myeloma	All gender	42	0	0	0	0	0	0	0	1	0	2	6	7	3	9	9	4	0	1
(C90)	Male	25	0	0	0	0	0	0	0	1	0	1	2	7	1	6	4	3	0	0
	Female	17	0	0	0	0	0	0	0	0	0	1	4	0	2	3	5	1	0	1

[illegible]

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 & unspecified	All gender	76	0	0	0	0	1	0	2	1	4	3	5	10	12	13	6	8	7	4
(C26, C39, C48, C76, C80)	Male	38	0	0	0	0	1	0	0	1	2	1	1	4	9	7	3	5	2	2
	Female	38	0	0	0	0	0	0	2	0	2	2	4	6	3	6	3	3	5	2
All sites	All gender	5,480	37	22	29	42	44	94	145	248	348	481	553	746	729	661	494	356	270	181
	Male	2,487	25	16	18	11	16	23	45	61	94	185	202	303	376	356	294	213	154	95
	Female	2,993	12	6	11	31	28	71	100	187	254	296	351	443	353	305	200	143	116	86



TABLE 21: HISTOLOGICAL TYPES

PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Lip			4	9	13
(C00)	8070	Squamous cell carcinoma, NOS	4	9	13
Tongue			82	40	122
(C01-C02)	8000	Malignancy, NOS	1	0	1
	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	78	38	116
	8071	Squamous cell carcinoma, keratinizing	0	1	1
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
	8074	Squamous cell carcinoma, spindle cell	0	1	1
	8430	Mucoepidermoid carcinoma	1	0	1
Mouth			59	25	84
(C03-C06)	8000	Malignancy, NOS	0	1	1
	8051	Verrucous carcinoma	0	2	2
	8052	Papillary squamous cell carcinoma	1	0	1
	8070	Squamous cell carcinoma	53	17	70
	8083	Basaloid squamous cell carcinoma	1	0	1
	8140	Adenocarcinoma, NOS	1	0	1
	8147	Basal cell adenocarcinoma	1	0	1
	8200	Adenoid cystic carcinoma	0	2	2
	8430	Mucoepidermoid carcinoma	1	3	4
	8525	Polymorphous low grade adenocarcinoma	1	0	1
Salivary gland			16	9	25
(C07-C08)	8000	Malignancy, NOS	1	0	1
	8010	Carcinoma, NOS	4	1	5
	8022	Pleomorphic carcinoma	0	1	1
	8070	Squamous cell carcinoma, NOS	1	0	1
	8140	Adenocarcinoma	2	0	2
	8200	Adenoid cystic carcinoma	2	3	5
	8430	Mucoepidermoid carcinoma	4	1	5
	8525	Polymorphous low grade adenocarcinoma	2	0	2



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8550	Acinic cell adenocarcinoma	0	3	3
Tonsil			32	6	38
(C09)	8010	Carcinoma, NOS	2	0	2
	8052	Papillary squamous cell carcinoma	1	0	1
	8070	Squamous cell carcinoma, NOS	28	6	34
	8480	Mucinous carcinoma	1	0	1
Oropharynx			25	2	27
(C10)	8070	Squamous cell carcinoma	24	2	26
	8200	Adenoid cystic carcinoma	1	0	1
Nasopharynx			74	28	102
(C11)	8010	Carcinoma, NOS	3	0	3
	8020	Undifferentiated carcinoma	34	11	45
	8070	Squamous cell carcinoma	1	4	5
	8071	Squamous cell carcinoma, keratinizing	1	2	3
	8072	Squamous cell carcinoma, non-keratinizing	34	10	44
	8082	Lymphoepithelial carcinoma	1	0	1
	9370	Chordoma, NOS	0	1	1
Hypopharynx			57	7	64
(C12-C13)	8000	Clinical, no microscopic confirmation	1	0	1
	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	54	7	61
	8071	Squamous cell carcinoma, keratinizing, NOS	1	0	1
Pharynx, unspecified			7	3	10
(C14)	8070	Squamous cell carcinoma	7	3	10
Esophagus			121	13	134
(C15)	8010	Carcinoma, NOS	1	0	1
	8020	Undifferentiated carcinoma	1	0	1
	8070	Squamous cell carcinoma, NOS	114	12	126



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8074	Squamous cell carcinoma, spindle cell	0	1	1
	8140	Adenocarcinoma	5	0	5
Stomach			45	23	68
(C16)	8082	Lymphoepithelioma-like carcinoma	1	0	1
	8140	Adenocarcinoma	39	19	58
	8481	Mucin-producing adenocarcinoma	1	0	1
	8490	Adenocarcinoma, signet-ring cell	4	4	8
Small intestine			4	9	13
(C17)	8000	Clinical, no microscopic confirmation	0	2	2
	8140	Adenocarcinoma, NOS	2	7	9
	8246	Neuroendocrine carcinoma	2	0	2
Colon			108	107	215
(C18)	8000	Clinical, no microscopic confirmation	3	1	4
	8010	Carcinoma, NOS	4	5	9
	8140	Adenocarcinoma	92	92	184
	8220	Adenocarcinoma in adenomatous polyposis coli	1	0	1
	8246	Neuroendocrine carcinoma	1	0	1
	8480	Mucinous adenocarcinoma	7	6	13
	8481	Mucin-producing adenocarcinoma	0	2	2
	8490	Adenocarcinoma, signet-ring cell	0	1	1
Rectum			161	118	279
(C19-C20)	8000	Clinical, no microscopic confirmation	3	0	3
	8010	Carcinoma, NOS	3	1	4
	8070	Squamous cell carcinoma	0	1	1
	8140	Adenocarcinoma	151	112	263
	8240	Carcinoid tumour	1	1	2
	8246	Neuroendocrine carcinoma	0	2	2
	8480	Mucinous adenocarcinoma	1	0	1
	8490	Signet ring cell adenocarcinoma	2	1	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Anus			13	13	26
(C21)	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	4	5	9
	8140	Adenocarcinoma	7	8	15
	8480	Mucinous adenocarcinoma	1	0	1
Liver			260	89	349
(C22)	8000	Clinical, no microscopic confirmation	180	51	231
	8000	Malignancy, NOS	3	1	4
	8010	Carcinoma, NOS	2	0	2
	8140	Adenocarcinoma, NOS	12	16	28
	8160	Cholangiocarcinoma	9	6	15
	8170	Hepatocellular carcinoma, NOS	51	13	64
	8180	Combined hepatocellular carcinoma and cholangiocarcinoma	1	0	1
	8490	Adenocarcinoma, signet-ring cell	0	1	1
	8801	Spindle cell sarcoma	1	0	1
	8830	Undifferentiated pleomorphic sarcoma	0	1	1
	8991	Embryonal sarcoma	1	0	1
Gallbladder etc.			33	29	62
(C23-C24)	8000	Clinical, no microscopic confirmation	6	7	13
	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	1	0	1
	8140	Adenocarcinoma, NOS	24	17	41
	8160	Cholangiocarcinoma	1	2	3
	8246	Neuroendocrine carcinoma	0	2	2
	8980	Carcinosarcoma, NOS	0	1	1
Pancreas			50	44	94
(C25)	8000	Clinical, no microscopic confirmation	13	10	23
	8000	Malignancy, NOS	1	2	3
	8010	Carcinoma, NOS	3	1	4
	8140	Adenocarcinoma	30	24	54
	8240	Carcinoid tumour	0	3	3
	8246	Neuroendocrine carcinoma, NOS	2	0	2



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8452	Solid-pseudopapillary neoplasm	0	3	3
	8490	Signet ring cell adenocarcinoma	1	0	1
	8500	Ductal adenocarcinoma	0	1	1
Nose, sinuses			27	12	39
(C30-C31)	8000	Clinical, no microscopic confirmation	1	0	1
	8070	Squamous cell carcinoma, NOS	14	3	17
	8071	Squamous cell carcinoma, keratinizing, NOS	1	0	1
	8082	Lymphoepithelial carcinoma	1	0	1
	8121	Sinonasal undifferentiated carcinoma	0	1	1
	8140	Adenocarcinoma, NOS	0	2	2
	8144	Adenocarcinoma, intestinal type	1	0	1
	8200	Adenoid cystic carcinoma	2	2	4
	8430	Mucoepidermoid carcinoma	2	0	2
	8720	Malignant melanoma	1	0	1
	9522	Olfactory neuroblastoma	4	4	8
Larynx			74	4	78
(C32)	8010	Carcinoma, NOS	1	0	1
	8052	Papillary squamous cell carcinoma	0	1	1
	8070	Squamous cell carcinoma	70	2	72
	8071	Squamous cell carcinoma, keratinizing, NOS	2	0	2
	8574	Carcinoma with neuroendocrine differentiation	1	0	1
	9040	Synovial sarcoma, NOS	0	1	1
Bronchus and lung			355	178	533
(C33-C34)	8000	Clinical, no microscopic confirmation	28	12	40
	8000	Malignancy, NOS	1	0	1
	8010	Carcinoma, NOS	7	5	12
	8012	Large cell carcinoma, NOS	2	0	2
	8013	Large cell neuroendocrine carcinoma	1	0	1
	8041	Small cell carcinoma	25	4	29
	8046	Non-small cell carcinoma	25	6	31
	8070	Squamous cell carcinoma, NOS	56	6	62



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8140	Adenocarcinoma, NOS	205	137	342
	8240	Carcinoid tumour	1	2	3
	8246	Neuroendocrine carcinoma, NOS	2	0	2
	8249	Atypical carcinoid tumor	1	0	1
	8250	Bronchilo-alveolar adenocarcinoma, NOS	0	5	5
	8480	Mucinous adenocarcinoma	1	0	1
	8560	Adenosquamous carcinoma	0	1	1
Other thoracic organs			9	1	10
(C37-C38)	8000	Malignancy, NOS	1	0	1
	8010	Carcinoma, NOS	2	0	2
	8033	Carcinomsarcoma	1	0	1
	8582	Thymoma, type AB, malignant	0	1	1
	8890	Leiomyosarcoma, NOS	1	0	1
	9064	Germinoma	1	0	1
	9065	Germ cell tumor, nonseminomatous	1	0	1
	9085	Mixed germ cell tumor	2	0	2
Bone			18	18	36
(C40-C41)	8000	Clinical, no microscopic confirmation	1	0	1
	9180	Osteosarcoma, NOS	10	8	18
	9181	Chondroblastic osteosarcoma	1	0	1
	9185	Small cell osteosarcoma	1	1	2
	9186	Conventional central osteosarcoma	1	1	2
	9220	Chondrosarcoma, NOS	0	3	3
	9240	Mesenchymal chondrosarcoma	1	0	1
	9260	Ewing sarcoma	1	4	5
	9370	Chordoma, NOS	2	1	3
Melanoma of skin			15	10	25
(C43)	8720	Malignant melanoma, NOS	15	10	25
Other skin			56	63	119
(C44)	8010	Carcinoma, NOS	1	0	1
	8051	Verrucous carcinoma, NOS	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8070	Squamous cell carcinoma, NOS	28	17	45
	8090	Basal cell carcinoma	20	41	61
	8094	Basosquamous carcinoma	1	0	1
	8147	Basal cell carcinoma	2	2	4
	8410	Sebaceous carcinoma	2	1	3
	8480	Mucinous adenocarcinoma	0	1	1
	8832	Dermatofibrosarcoma protuberans, NOS	2	0	2
Mesothelioma			0	2	2
C45	9050	Malignant mesothelioma	0	2	2
Kaposi sarcoma			1	0	1
(C46)	9140	Kaposi sarcoma	1	0	1
Connective and soft tissues			37	35	72
(C47, C49)	8000	Clinical, no microscopic confirmation	0	2	2
	8000	Malignancy, NOS	3	0	3
	8800	Sarcoma, NOS	2	4	6
	8801	Spindle cell sarcoma	6	3	9
	8802	Pleomorphic cell sarcoma	2	0	2
	8805	Undifferentiated sarcoma	1	1	2
	8810	Fibrosarcoma, NOS	0	2	2
	8811	Myxofibrosarcoma	2	2	4
	8815	Solitary fibrous tumor, malignant	0	1	1
	8825	Low grade myofibroblastic sarcoma	1	0	1
	8830	Malignant pleomorphic fibrous histiocytoma	5	3	8
	8850	Liposarcoma, NOS	1	1	2
	8851	Liposarcoma, well differentiated	2	0	2
	8852	Myxoid liposarcoma	1	2	3
	8854	Pleomorphic liposarcoma	1	2	3
	8858	Dedifferentiated liposarcoma	1	0	1
	8890	Leiomyosarcoma, NOS	2	5	7
	8900	Rhabdomyosarcoma, NOS	0	1	1
	8901	Pleomorphic rhabdomyosarcoma, NOS	0	1	1
	8920	Alveolar rhabdomyosarcoma	1	0	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	9040	Synovial sarcoma, NOS	1	2	3
	9041	Synovial sarcoma, spindle cell	1	0	1
	9044	Clear cell sarcoma of soft tissue	1	0	1
	9120	Angiosarcoma	0	2	2
	9260	Ewing sarcoma	1	0	1
	9540	Malignant peripheral nerve sheath tumor	2	1	3
Breast			1	721	722
(C50)	8000	Clinical, no microscopic confirmation	0	2	2
	8000	Malignancy, NOS	0	1	1
	8010	Carcinoma, NOS	0	36	36
	8050	Papillary carcinoma, NOS	0	6	6
	8070	Squamous cell carcinoma	0	1	1
	8140	Adenocarcinoma, NOS	0	5	5
	8200	Adenoid cystic carcinoma	0	2	2
	8211	Tubular carcinoma	0	2	2
	8230	Solid carcinoma, NOS	0	2	2
	8246	Neuroendocrine carcinoma	0	1	1
	8255	Adenocarcinoma, mixed subtype	0	1	1
	8260	Ductal adenocarcinoma, papillary	0	3	3
	8323	Mixed cell adenocarcinoma	0	1	1
	8343	Papillary carcinoma, encapsulate	0	1	1
	8480	Mucinous carcinoma	0	19	19
	8500	Ductal carcinoma, NOS	1	595	596
	8507	Invasive micropapillary carcinoma	0	1	1
	8510	Medullary carcinoma, NOS	0	5	5
	8520	Invasive lobular carcinoma	0	16	16
	8521	Infiltrating ductular carcinoma	0	1	1
	8522	Infiltrating duct and lobular carcinoma	0	4	4
	8523	Infiltrating duct and mucinous carcinoma	0	6	6
	8575	Metaplastic carcinoma, NOS	0	4	4
	9020	Phyllodes tumor, malignant	0	6	6
Vulva			0	7	7
(C51)	8051	Verrucous carcinoma	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8070	Squamous cell carcinoma, NOS	0	4	4
	8200	Adenoid cystic carcinoma	0	1	1
	8542	Extramammary Paget disease	0	1	1
Vagina			0	7	7
(C52)	8070	Squamous cell carcinoma	0	4	4
	8071	Squamous cell carcinoma, keratinizing, NOS	0	1	1
	8720	Malignant melanoma	0	2	2
Cervix uteri			0	351	351
(C53)	8010	Carcinoma, NOS	0	7	7
	8013	Large cell neuroendocrine carcinoma	0	5	5
	8041	Small cell carcinoma	0	6	6
	8052	Squamous cell carcinoma, papillary	0	3	3
	8070	Squamous cell carcinoma, NOS	0	174	174
	8071	Squamous cell carcinoma, keratinizing, NOS	0	8	8
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	0	46	46
	8076	microinvasive squamous cell carcinoma	0	12	12
	8140	Adenocarcinoma	0	74	74
	8244	Mixed carcinoid-adenocarcinoma	0	1	1
	8246	Neuroendocrine carcinoma	0	1	1
	8255	Adenocarcinoma combined with other types of carcinoma	0	1	1
	8260	Papillary adenocarcinoma	0	1	1
	8262	Villoglandular adenocarcinoma	0	2	2
	8310	Clear cell adenocarcinoma, NOS	0	2	2
	8480	Mucinous adenocarcinoma	0	3	3
	8560	Adenosquamous carcinoma	0	4	4
	8574	Carcinoma with neuroendocrine differentiation	0	1	1
Corpus uteri			0	206	206
(C54)	8010	Carcinoma, NOS	0	2	2
	8013	Large cell neuroendocrine carcinoma	0	1	1
	8140	Adenocarcinoma	0	6	6
	8244	Mixed carcinoid-adenocarcinoma	0	1	1
	8255	Adenocarcinoma with mixed subtypes	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8310	Clear cell carcinoma	0	3	3
	8323	Mixed cell adenocarcinoma	0	6	6
	8380	Endometrioid carcinoma, NOS	0	169	169
	8441	Serous carcinoma, NOS	0	8	8
	8560	Mixed adenocarcinoma and squamous cell carcinoma	0	1	1
	8570	Endometrioid adenocarcinoma, variant with squamous differentiation	0	1	1
	8930	Endometrial stromal sarcoma, high grade	0	4	4
	8931	Endometrial stromal sarcoma, low grade	0	3	3
Uterus			0	25	25
(C55)	8890	Leiomyosarcoma, NOS	0	10	10
	8933	Adenosarcoma	0	1	1
	8980	Carcinosarcoma, NOS	0	14	14
Ovary			0	196	196
(C56)	8000	Clinical, no microscopic confirmation	0	2	2
	8010	Carcinoma, NOS	0	3	3
	8070	Squamous cell carcinoma, NOS	0	7	7
	8140	Adenocarcinoma, NOS	0	24	24
	8240	Carcinoid (well differentiated endocrine neoplasm)	0	1	1
	8310	Clear cell carcinoma	0	30	30
	8323	Mixed cell adenocarcinoma	0	6	6
	8380	Endometrioid carcinoma, NOS	0	23	23
	8441	Serous carcinoma, NOS	0	50	50
	8460	Papillary serous cystadenocarcinoma	0	1	1
	8470	Mucinous cystadenocarcinoma, NOS	0	4	4
	8471	Papillary mucinous cystadenocarcinoma	0	1	1
	8480	Mucinous adenocarcinoma	0	27	27
	8620	Granulosa cell tumor, malignant	0	1	1
	8980	Carcinosarcoma, NOS	0	1	1
	9060	Dysgerminoma	0	3	3
	9071	Yolk sac tumor	0	4	4
	9080	Immature teratoma, NOS	0	7	7
	9084	Teratoma with malignant transformation	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Other female genital			0	8	8
(C57)	8140	Adenocarcinoma	0	4	4
	8380	Endometrioid adenocarcinoma, NOS	0	2	2
	8441	Serous adenocarcinoma, NOS	0	2	2
Placenta			0	5	5
(C58)	9100	Choriocarcinoma, NOS	0	5	5
Penis			18	0	18
(C60)	8070	Squamous cell carcinoma, NOS	18	0	0
Prostate			186	0	186
(C61)	8000	Clinical, no microscopic confirmation	4	0	4
	8010	Carcinoma, NOS	7	0	7
	8020	Carcinoma, undifferentiated, NOS	1	0	1
	8140	Adenocarcinoma, NOS	174	0	174
Testis			8	0	8
(C62)	8900	Rhabdomyosarcoma, NOS	1	0	1
	9061	Seminoma, NOS	7	0	7
Other male genital organs			1	0	1
(C63)	8070	Squamous cell carcinoma, NOS	1	0	1
Kidney			45	30	75
(C64)	8000	Clinical, no microscopic confirmation	8	3	11
	8000	Malignancy, NOS	2	0	2
	8010	Carcinoma, NOS	1	2	3
	8070	Squamous cell carcinoma	1	0	1
	8120	Urothelial carcinoma, NOS	1	3	4
	8130	Papillary urothelial carcinoma	1	0	1
	8260	Papillary renal cell carcinoma	4	0	4
	8310	Clear cell renal cell carcinoma	20	17	37
	8312	Renal cell carcinoma, NOS	3	4	7
	8317	Chromophobe cell renal carcinoma	1	0	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	8890	Leiomyosarcoma, NOS	1	0	1
	8960	Wilms tumor	2	1	3
Renal pelvis			3	0	3
(C65)	8010	Carcinoma, NOS	1	0	1
	8120	Transition cell carcinoma, NOS	1	0	1
	8130	Papillary urothelial carcinoma	1	0	1
Ureter			2	1	3
(C66)	8000	Clinical, no microscopic confirmation	0	1	1
	8000	Malignancy, NOS	1	0	1
	8120	Infiltrating urothelial carcinoma	1	0	1
Bladder			87	19	106
(C67)	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma, NOS	1	1	2
	8120	Urothelial carcinoma	57	16	73
	8122	Infiltrating urothelial carcinoma, sarcomatoid	1	0	1
	8130	Papillary urothelial carcinoma	22	2	24
	8140	Adenocarcinoma	3	0	3
	8480	Mucinous adenocarcinoma	1	0	1
	8503	Invasive papillary carcinoma	1	0	1
Urinary system, NOS			3	1	4
(C68)	8000	Clinical, no microscopic confirmation	1	0	1
	8070	Squamous cell carcinoma	1	0	1
	8120	Infiltrating urothelial carcinoma	1	0	1
	8130	Papillary urothelial carcinoma	0	1	1
Eye			14	6	20
(C69)	8000	Clinical, no microscopic confirmation	4	0	4
	8020	Undifferentiated carcinoma	0	1	1
	8070	Squamous cell carcinoma, NOS	5	2	7
	8720	Malignant melanoma	2	2	4
	9510	Retinoblastoma, NOS	2	1	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
	9513	Retinoblastoma, diffuse	1	0	1
Brain, nervous system			36	26	62
(C70-C72)	8000	Clinical, no microscopic confirmation	4	3	7
	9150	Hemangiopericytoma, malignant	1	1	2
	9391	Ependymoma, NOS	0	3	3
	9400	Astrocytoma, NOS	3	3	6
	9401	Anaplastic astrocytoma	4	5	9
	9411	Gemistocytic astrocytoma	1	0	1
	9440	Glioblastoma, NOS	16	9	25
	9442	Gliosarcoma	2	0	2
	9451	Anaplastic oligodendroglioma	1	1	2
	9470	Medulloblastoma, NOS	2	1	3
	9473	Central primitive neuroectodermal tumor, NOS	1	0	1
	9500	Neuroblastoma, NOS	1	0	1
Thyroid			58	280	338
(C73)	8000	Clinical, no microscopic confirmation	0	1	1
	8010	Carcinoma, NOS	1	2	3
	8021	Anaplastic carcinoma	1	5	6
	8140	Adenocarcinoma	1	0	1
	8260	Papillary carcinoma of thyroid	40	194	234
	8290	Hurthle cell carcinoma	0	9	9
	8330	Follicular carcinoma, NOS	9	29	38
	8335	Follicular carcinoma, minimally invasive	0	1	1
	8337	Insular carcinoma	1	1	2
	8340	Papillary and follicular carcinoma	2	21	23
	8341	Papillary microcarcinoma	3	16	19
	8830	Undifferentiated pleomorphic sarcoma	0	1	1
Adrenal gland			4	0	4
(C74)	8370	Adrenal cortical carcinoma	1	0	1
	9500	Neuroblastoma, NOS	3	0	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Other endocrine			10	0	10
(C75)	8000	Clinical, no microscopic confirmation	2	0	2
	8140	Parathyroid carcinoma	1	0	1
	9064	Germinoma	3	0	3
	9071	Yolk sac tumor	1	0	1
	9080	Immature teratoma, NOS	1	0	1
	9085	Mixed germ cell tumor	2	0	2
Hodgkin lymphoma			12	8	20
(C81)	9650	Malignant lymphoma, Hodgkin	1	1	2
	9651	Classical Hodgkin lymphoma, lymphocyte-rich	1	0	1
	9652	Hodgkin lymphoma, mixed cellularity, NOS	8	3	11
	9659	Hodgkin lymphoma, lymphocyte predominance, nodular	1	1	2
	9663	Hodgkin lymphoma, nodular sclerosis, NOS	1	3	4
Non-Hodgkin lymphoma			115	90	205
(C82-C86, C96)	9591	Malignant lymphoma, diffuse, NOS	3	1	4
	9670	Malignant lymphoma, small cell diffuse	1	0	1
	9671	Malignant lymphoma, lymphoplasmacytic	3	0	3
	9673	Mantle cell lymphoma	4	1	5
	9680	Diffuse large B-cell lymphoma	73	68	141
	9684	Plasmablastic lymphoma	1	2	3
	9687	Burkitt lymphoma, NOS	4	1	5
	9690	Follicular lymphoma, NOS	2	0	2
	9695	Follicular lymphoma, grade 1	2	5	7
	9698	Follicular lymphoma, grade 3	1	1	2
	9702	Peripheral T-cell lymphoma, NOS	5	2	7
	9705	Angioimmunoblastic T-cell lymphoma	4	4	8
	9708	Subcutaneous panniculitis-like T-cell lymphoma	0	1	1
	9709	Cutaneous T-cell lymphoma, NOS	2	1	3
	9714	Anaplastic large cell lymphoma, NOS	3	0	3
	9718	Primary cutaneous anaplastic large cell lymphoma	0	1	1
	9719	Extranodal NK/T cell lymphoma	3	0	3
	9728	B-lymphoblastic lymphoma	0	1	1
	9751	Langerhans cell histiocytosis, NOS	4	1	5



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Malignant immunoproliferative diseases			9	4	13
(C88)	9699	Marginal zone B-cell lymphoma, NOS	9	4	13
Multiple myeloma			25	17	42
(C90)	9731	Plasmacytoma, NOS	2	0	2
	9732	Multiple myeloma	23	17	40
Lymphoid leukemia			21	14	35
(C91)	9823	Chronic lymphocytic leukemia	9	4	13
	9835	Acute lymphoblastic leukemia, NOS	12	9	21
	9837	T lymphoblastic leukemia	0	1	1
Myeloid leukemia			30	21	51
(C92-C94)	9861	Acute myeloid leukemia, NOS	19	12	31
	9863	Chronic myeloid leukemia, NOS	8	5	13
	9872	Acute myeloblastic leukemia	1	1	2
	9930	Myeloid sarcoma	1	2	3
	9945	Chronic myelomonocytic leukemia, NOS	1	1	2
Leukemia unspecified			5	2	7
(C95)	9800	Leukemia, NOS	2	0	2
	9801	Acute leukemia, NOS	3	1	4
	9861	Acute myeloid leukemia, NOS	0	1	1
Myeloproliferative disorders			9	12	21
(D45, D47)	9950	Polycythemia vera	1	1	2
	9960	Chronic myeloproliferative disease, NOS	4	3	7
	9961	Myelofibrosis as a result of myeloproliferative disease	1	0	1
	9962	Essential hemorrhagic thrombocythemia	3	8	11
Myelodysplastic syndromes			4	1	5
(D46)	9989	Myelodysplastic syndrome, NOS	4	1	5



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	MALE	FEMALE	ALL
Other & unspecified			38	38	76
(C26, C39, C48, C76, C80)	8000	Clinical, no microscopic confirmation	7	4	11
	8010	Carcinoma, NOS	10	4	14
	8012	Large cell carcinoma, NOS	0	1	1
	8041	Small cell carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	9	3	12
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
	8082	Lymphoepithelial carcinoma	1	0	1
	8140	Adenocarcinoma	9	21	30
	8441	Serous adenocarcinoma	0	5	5

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.