



CANCER INFORMATION CENTER
SONGKLANAGARIND HOSPITAL
FACULTY OF MEDICINE
PRINCE OF SONGKLA UNIVERSITY
SONGKHLA, THAILAND

HOSPITAL-BASED CANCER REGISTRY ANNUAL REPORT 2021

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ANNUAL REPORT 2021

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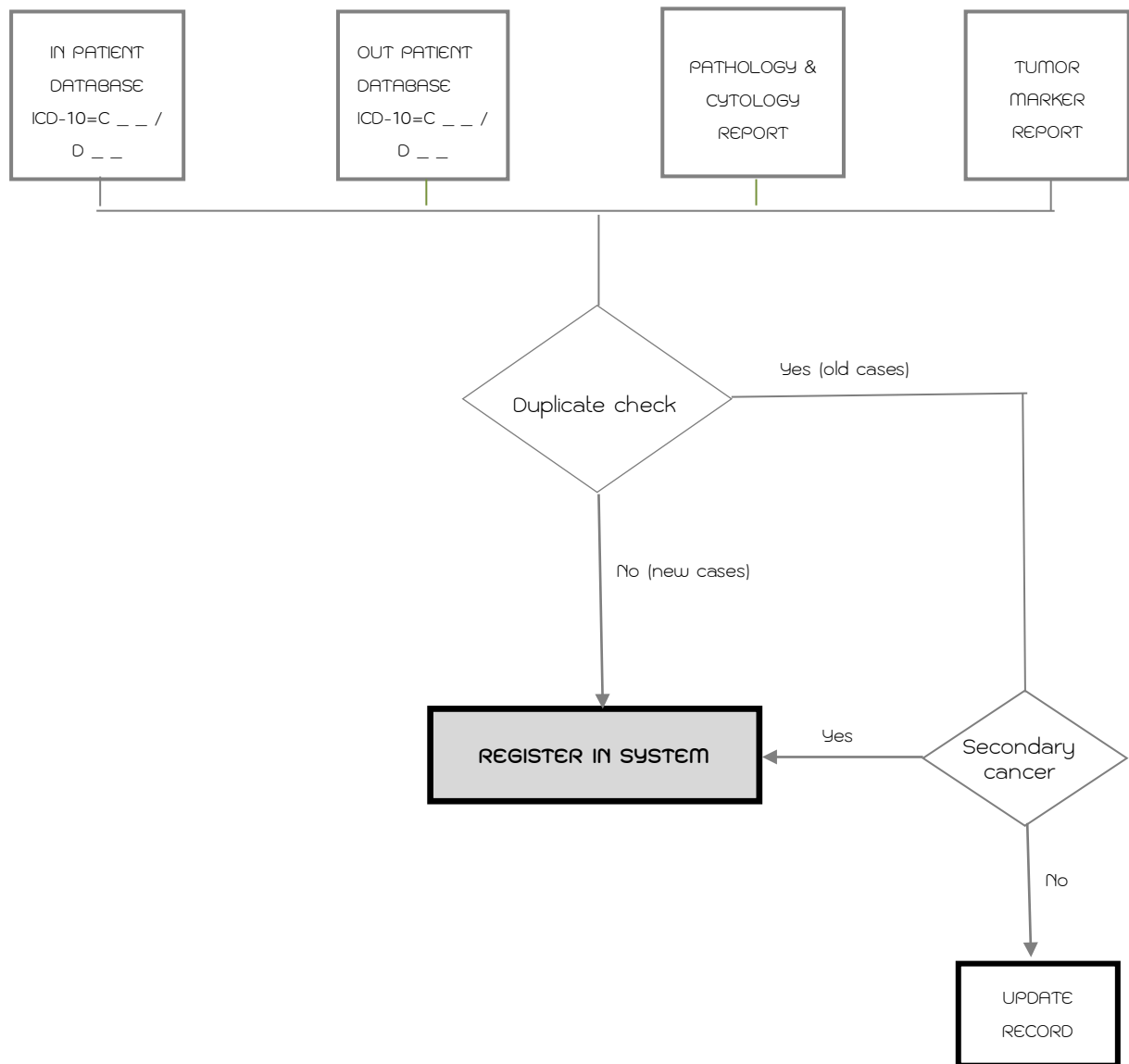
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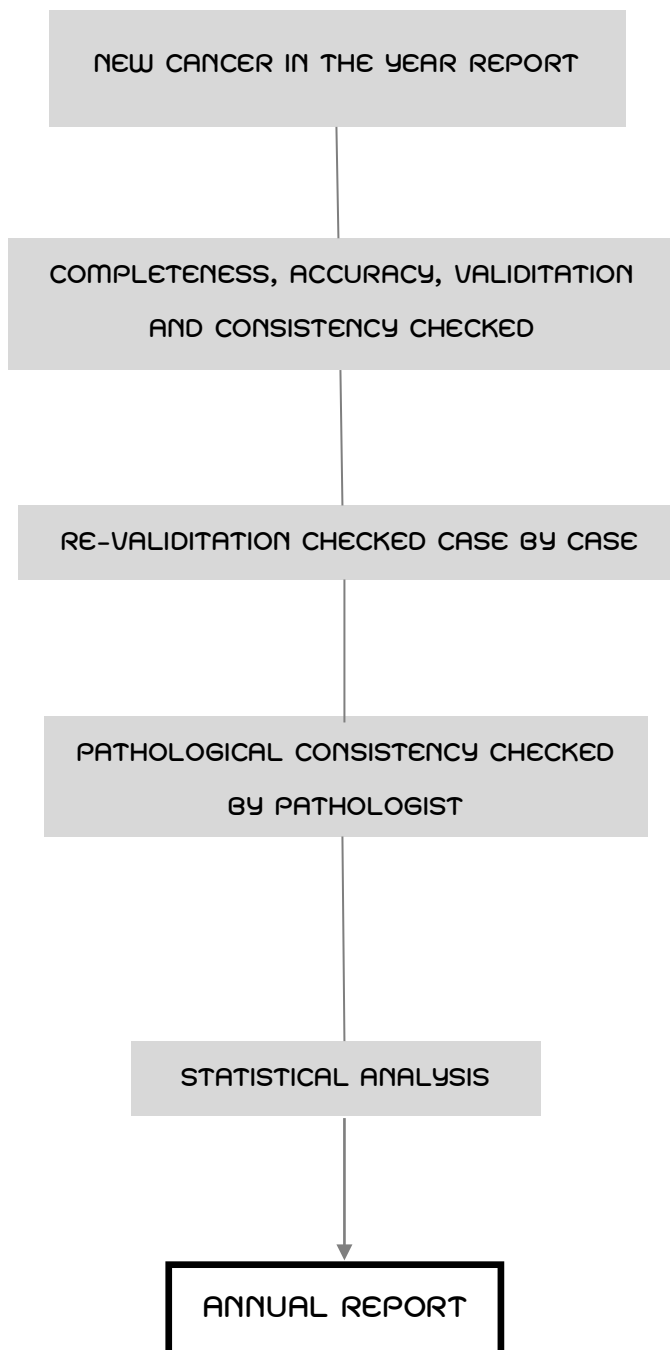
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SONGKLANAGARIND TUMOR REGISTRY PLATFORM



FLOW CHART OF SONGKLANAGARIND CANCER REGISTRY REPORT



S U M M A R Y

From January to December 2021, among 64,068 new patients who attended Songklanagarind Hospital, 4,558 cases were new cancer patients (7.11%). Males accounted for 2,026 cancer cases (44.5%). The three most payment used were universal coverage Scheme (51.4%) government/state enterprise (31.2%) and Social Security Scheme (9.8%) respectively. All gender, the three most common sites were breast (642 cases, 14.1%), lung (452 cases, 9.9%), and colon and rectum (435 cases, 9.5%). The three most common primary sites in males were the lung (14.3%), colon & rectum (11.8%) and liver (8.8%). The three most common primary sites in females were the breast (25.4%), uterine cervix (11.9%) and thyroid (8.5%). There were 66 cases (1.4%) 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	1,209,688
New patients of hospital	64,068
New cancer patients	4,558

The new cancers were 7.11% of new patients of Songklanakarind hospital in year 2021.

FIGURE 1: TREND OF NEW CANCER CASES IN SONGKLANAGARIND HOSPITAL

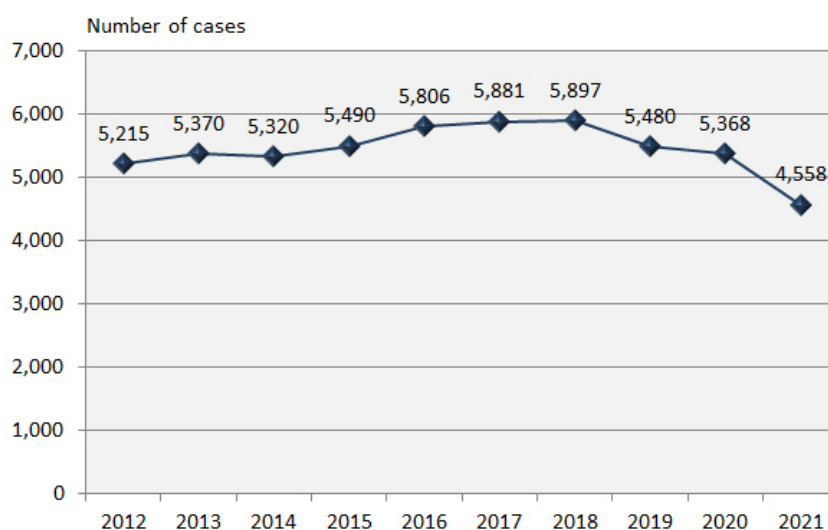


FIGURE 2: NEW CANCER CASES AS A PERCENTAGE OF YEAR ON YEAR

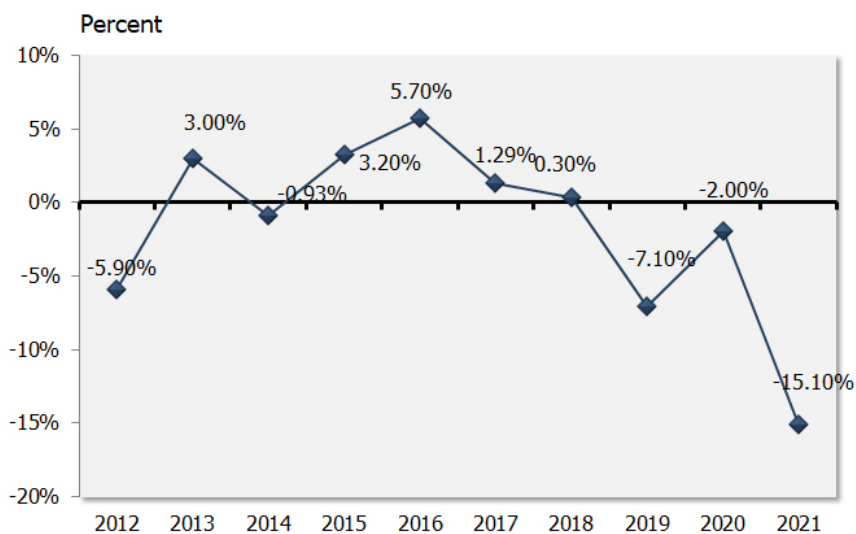


FIGURE 3: NUMBER OF NEW CANCER CASES BY MONTH

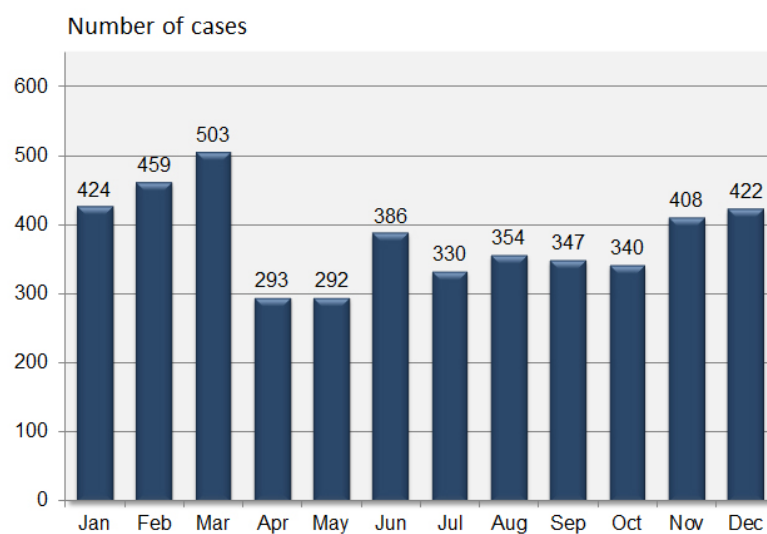


FIGURE 4: NUMBER AND PERCENTAGE OF CANCERS RECEIVED INITIAL DIAGNOSIS OR TREATMENT

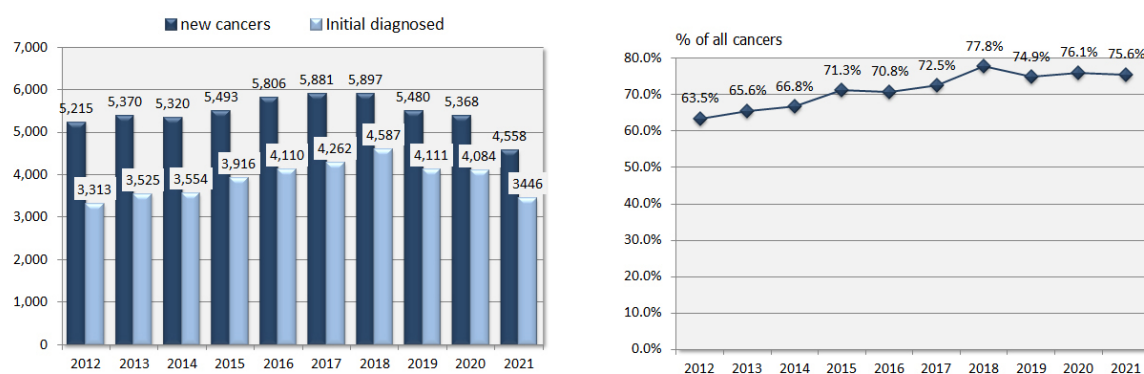


TABLE 2: DISTRIBUTION OF PATIENT PAYMENT USED

PAYMENT CATEGORIES	No.	%
Universal Coverage Scheme (UCS)	2,341	51.4%
Government/ State Enterprise Officer (OFC)	1,423	31.2%
Social Security Scheme (SSS)	448	9.8%
Self Payment	158	3.5%
Local Administrative Organization	157	3.4%
Others	31	0.7%
	4,558	100.0%

FIGURE 5: PERCENTAGE OF PATIENT PAYMENT USED

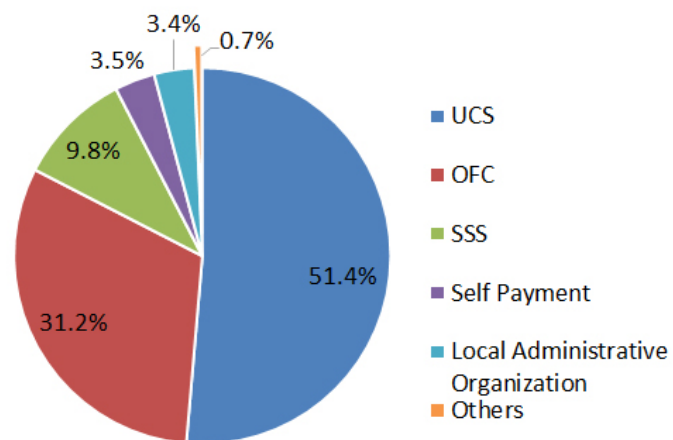


FIGURE 6: DISTRIBUTION OF RELIGION IN CANCER PATIENTS: PERCENTAGE

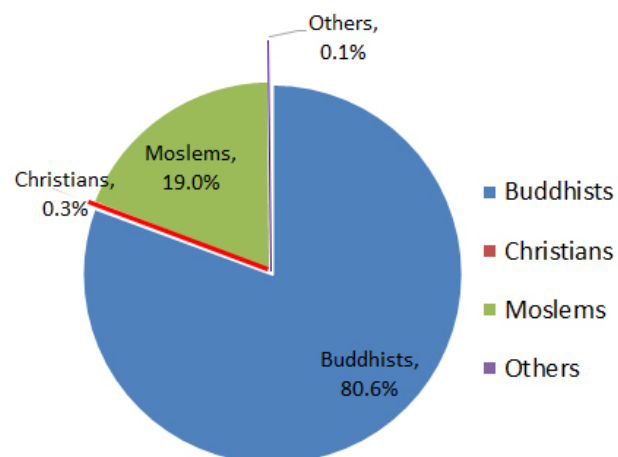


FIGURE 7: PERCENTAGE OF PATIENT BY RESIDENCE

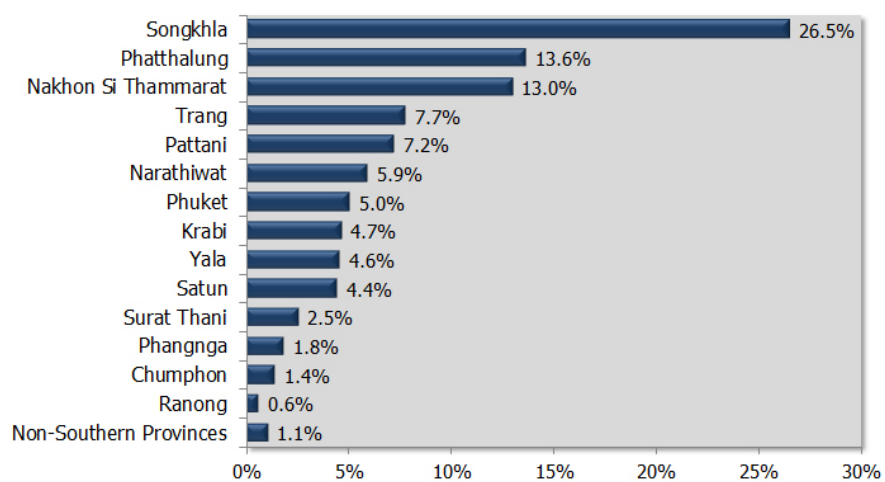


TABLE 3: DISTRIBUTION OF ALL NEWLY DIAGNOSED CANCER CASES BY AGE AND GENDER

AGE GROUP	Males		Females		Total	
	No	% OF ALL CANCER	No	% OF ALL CANCER	No	% OF ALL CANCER
0-	21	0.5%	11	0.2%	32	0.7%
5-	2	0.0%	5	0.1%	7	0.2%
10-	14	0.3%	13	0.3%	27	0.6%
15-	9	0.2%	16	0.4%	25	0.5%
20-	29	0.6%	21	0.5%	50	1.1%
25-	18	0.4%	65	1.4%	83	1.8%
30-	36	0.8%	99	2.2%	135	3.0%
35-	45	1.0%	123	2.7%	168	3.7%
40-	80	1.8%	186	4.1%	266	5.8%
45-	131	2.9%	256	5.6%	387	8.5%
50-	168	3.7%	296	6.5%	464	10.2%
55-	263	5.8%	336	7.3%	599	13.1%
60-	280	6.1%	344	7.5%	624	13.7%
65-	297	6.5%	272	6.0%	569	12.5%
70-	282	6.2%	205	4.5%	487	10.7%
75-	165	3.6%	122	2.7%	287	6.3%
80-	103	2.3%	100	2.2%	203	4.5%
85+	83	1.8%	62	1.4%	145	3.2%
	2,026	44.5%	2,532	55.5%	4,558	100.0%

Male age; mean = 61 median = 63

Female age; mean = 56.2 median = 57

FIGURE 8: AGE DISTRIBUTION OF ALL MALIGNANCIES

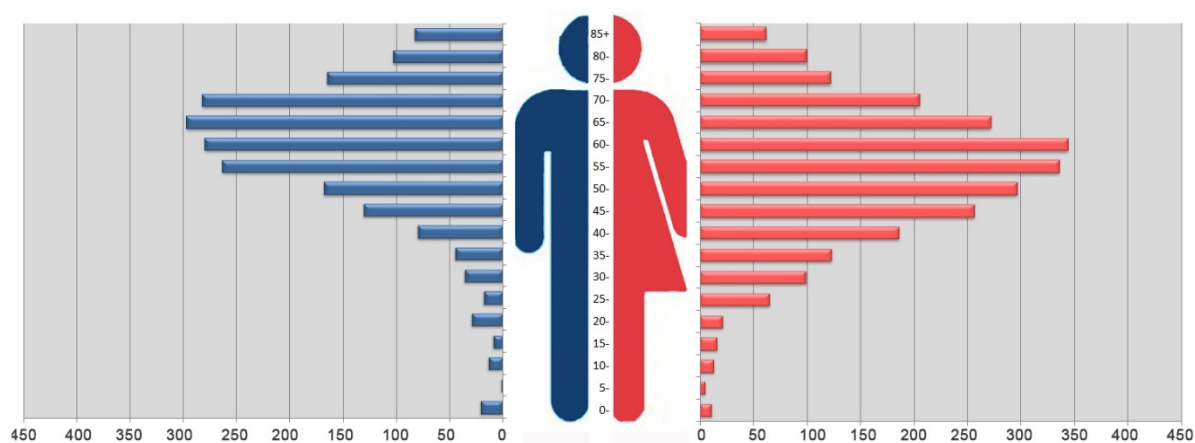


TABLE 4: DISTRIBUTION OF CASES ACCORDING TO METHOD OF DIAGNOSIS

METHOD OF DIAGNOSIS	MALE		FEMALE	
	NO.	% IN MALES	NO.	% IN FEMALES
Clinical investigation and imaging	114	5.62%	78	3.1%
Specific biochemistry	76	3.75%	18	0.7%
Cytology or hematology	19	0.94%	19	0.8%
Histology of metastasis	15	0.74%	5	0.2%
Histology of primary	1802	88.90%	2,412	95.3%
	2,026	100.0%	2,532	100.0%

FIGURE 9: METHODS OF DIAGNOSIS

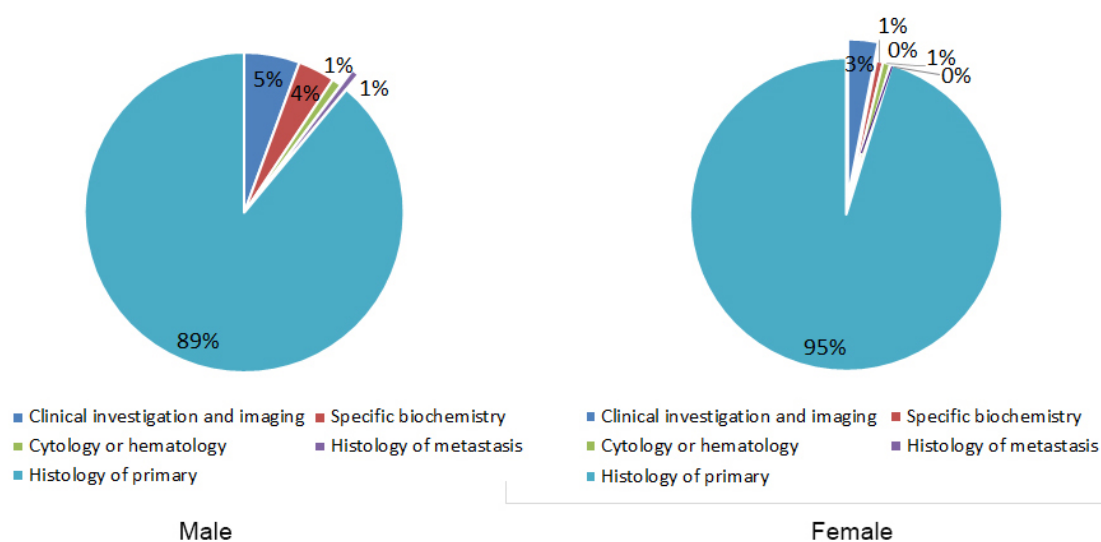


TABLE 5: PERCENTAGE OF MORPHOLOGICALLY VERIFIED CASES (%MV)

ICD-10	Primary sites	Male			Female			All		
		Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%	Total	Number of Microscopic confirmed	%
C00	Lip	0	0	0.0%	1	1	100.0%	1	1	100.0%
C01-C02	Tongue	60	60	100.0%	23	23	100.0%	83	83	100.0%
C03-C06	Mouth	58	58	100.0%	22	22	100.0%	80	80	100.0%
C07-C08	Salivary gland	12	12	100.0%	18	18	100.0%	30	30	100.0%
C09	Tonsil	25	25	100.0%	2	2	100.0%	27	27	100.0%
C10	Oropharynx	8	8	100.0%	2	2	100.0%	10	10	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	56	56	100.0%	24	24	100.0%	80	80	100.0%
C12-C13	Hypopharynx	63	63	100.0%	4	4	100.0%	67	67	100.0%
C14	Pharynx, unspecified	5	5	100.0%	4	4	100.0%	9	9	100.0%
C15	Esophagus	126	125	99.2%	10	10	100.0%	136	135	99.3%
C16	Stomach	29	28	96.6%	22	22	100.0%	51	50	98.0%
C17	Small intestine	8	8	100.0%	6	5	83.3%	14	13	92.9%
C18	Colon	106	104	98.1%	92	91	98.9%	198	195	98.5%
C19-C20	Rectum	133	132	99.2%	104	104	100.0%	237	236	99.6%
C21	Anus	10	10	100.0%	6	6	100.0%	16	16	100.0%
C22	Liver	178	52	29.2%	90	41	45.6%	268	93	34.7%
C23-C24	Gallbladder etc.	30	25	83.3%	24	21	87.5%	54	46	85.2%
C25	Pancreas	37	32	86.5%	51	42	82.4%	88	74	84.1%
C30-31	Nose, sinuses etc.	18	18	100.0%	12	12	100.0%	30	30	100.0%
C32	Larynx	53	51	96.2%	3	3	100.0%	56	54	96.4%
C33-C34	Bronchus and lung	290	264	91.0%	162	153	94.4%	452	417	92.3%
C37-C38	Other thoracic organs	6	6	100.0%	1	1	100.0%	7	7	100.0%
C40-C41	Bone	20	20	100.0%	11	11	100.0%	31	31	100.0%
C43	Melanoma of skin	15	15	100.0%	8	8	100.0%	23	23	100.0%
C44	Other skin	30	30	100.0%	40	40	100.0%	70	70	100.0%
C45	Mesothelioma	2	2	100.0%	0	0	0.0%	2	2	100.0%
C46	Kaposi sarcoma	3	3	100.0%	0	0	0.0%	3	3	100.0%
C47; C49	Connective and soft tissue	40	40	100.0%	30	29	96.7%	70	69	98.6%
C50	Breast	0	0	0.0%	642	640	99.7%	642	640	99.7%
C51	Vulva	0	0	0.0%	4	4	100.0%	4	4	100.0%
C52	Vagina	0	0	0.0%	5	5	100.0%	5	5	100.0%
C53	Cervix uteri	0	0	0.0%	301	301	100.0%	301	301	100.0%
C54	Corpus uteri	0	0	0.0%	176	176	100.0%	176	176	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%	21	21	100.0%	21	21	100.0%
C56	Ovary	0	0	0.0%	132	123	93.2%	132	123	93.2%
C57	Other female genital	0	0	0.0%	3	2	66.7%	3	2	66.7%
C58	Placenta	0	0	0.0%	1	1	100.0%	1	1	100.0%
C60	Penis	7	7	100.0%	0	0	0.0%	7	7	100.0%
C61	Prostate	160	156	97.5%	0	0	0.0%	160	156	97.5%
C62	Testis	6	6	100.0%	0	0	0.0%	6	6	100.0%
C63	Other male genital	1	1	100.0%	0	0	0.0%	1	1	100.0%
C64	Kidney	38	30	78.9%	15	12	80.0%	53	42	79.2%
C65	Renal pelvis	4	3	75.0%	2	2	100.0%	6	5	83.3%
C66	Ureter	3	3	100.0%	3	2	66.7%	6	5	83.3%
C67	Bladder	76	73	96.1%	20	20	100.0%	96	93	96.9%
C68	Other urinary organs	1	1	100.0%	0	0	0.0%	1	1	100.0%
C69	Eye	7	6	85.7%	9	7	77.8%	16	13	81.3%
C70-C72	Brain, nervous system	36	33	91.7%	26	24	92.3%	62	57	91.9%
C73	Thyroid	46	46	100.0%	215	215	100.0%	261	261	100.0%
C74	Adrenal gland	4	4	100.0%	3	3	100.0%	7	7	100.0%
C75	Other endocrine	6	6	100.0%	0	0	0.0%	6	6	100.0%
C81	Hodgkin's disease	10	10	100.0%	8	8	100.0%	18	18	100.0%
C82-C86, C96	Non-Hodgkin lymphoma	91	91	100.0%	84	84	100.0%	175	175	100.0%
C88	Malignant immunoproliferative diseases	6	6	100.0%	4	4	100.0%	10	10	100.0%
C90	Multiple myeloma	20	20	100.0%	23	23	100.0%	43	43	100.0%
C91	Lymphoid leukemia	21	21	100.0%	12	12	100.0%	33	33	100.0%
C92-C94	Myeloid leukemia	25	25	100.0%	20	20	100.0%	45	45	100.0%
C95	Leukemia unspecified	1	1	100.0%	0	0	0.0%	1	1	100.0%
D45, D47	Myeloproliferative disorders	13	13	100.0%	7	7	100.0%	20	20	100.0%
D46	Myelodysplastic syndromes	3	3	100.0%	3	3	100.0%	6	6	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	20	18	90.0%	21	17	81.0%	41	35	85.4%
	Total	2,026	1,836	90.6%	2,532	2,435	96.2%	4,558	4,271	93.7%

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

ICD-10	PRIMARY SITE(Short title used)	NO.	% OF ALL CANCER
C50	Breast	642	14.1%
C33-C34	Bronchus and lung	452	9.9%
C18-C20	Colon & Rectum	435	9.5%
C53	Cervix uteri	301	6.6%
C22	Liver	268	5.9%
C73	Thyroid	261	5.7%
C54	Corpus uteri	176	3.9%
C82-C86, C96	Non-Hodgkin lymphoma	175	3.8%
C01-06	Oral cavity	163	3.6%
C61	Prostate	160	3.5%

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

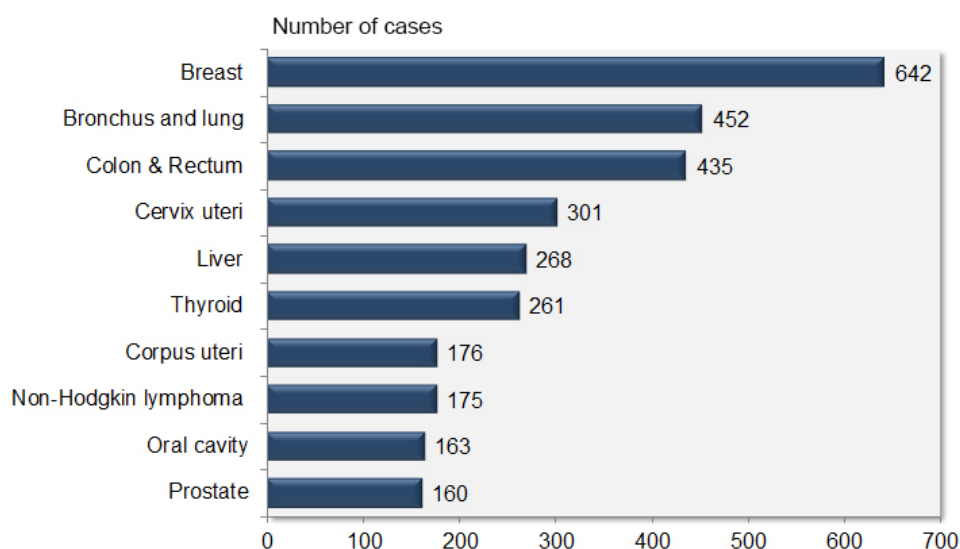


TABLE 7: THE 10 LEADING SITES OF CANCER IN MALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN MALES
C34	Bronchus and lung	289	14.3%
C18-C20	Colon & Rectum	239	11.8%
C22	Liver	178	8.8%
C61	Prostate	160	7.9%
C15	Esophagus	126	6.2%
C01-06	Oral cavity	107	5.3%
C82-C86, C96	Non-Hodgkin lymphoma	91	4.5%
C67	Bladder	76	3.7%
C11	Nasopharynx	56	2.8%
C32	Larynx	53	2.6%

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

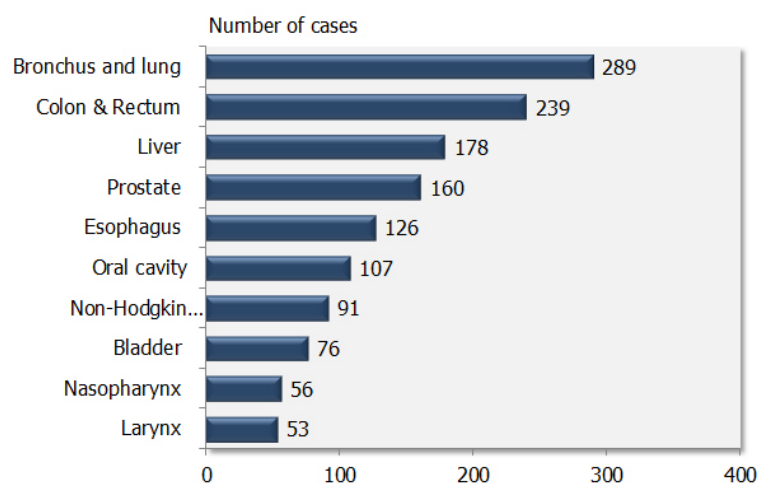


FIGURE 12: TRENDS OF FIVE LEADING SITES IN MALES: NUMBER OF CASES

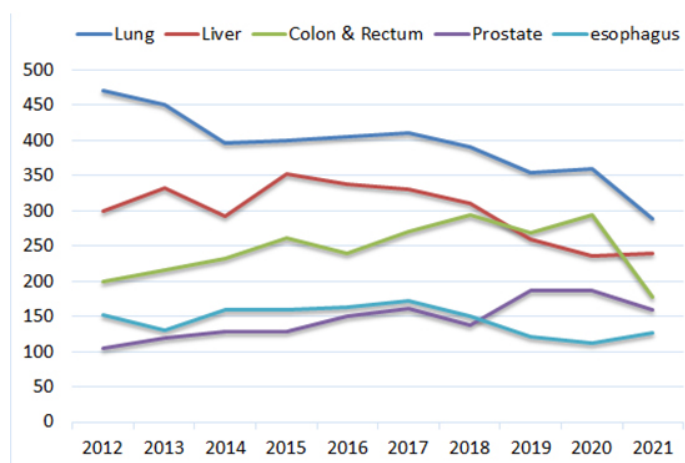


TABLE 8: THE 10 LEADING SITES OF CANCER IN FEMALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN FEMALES
C50	Breast	642	25.4%
C53	Cervix uteri	301	11.9%
C73	Thyroid	215	8.5%
C18-C20	Colon & Rectum	196	7.7%
C54	Corpus uteri	176	7.0%
C34	Bronchus and lung	162	6.4%
C56	Ovary	132	5.2%
C22	Liver	90	3.6%
C82-C86, C96	Non-Hodgkin lymphoma	84	3.3%
C44	Other skin	40	1.6%

FIGURE 13: THE 10 LEADING SITES OF CANCER IN FEMALES

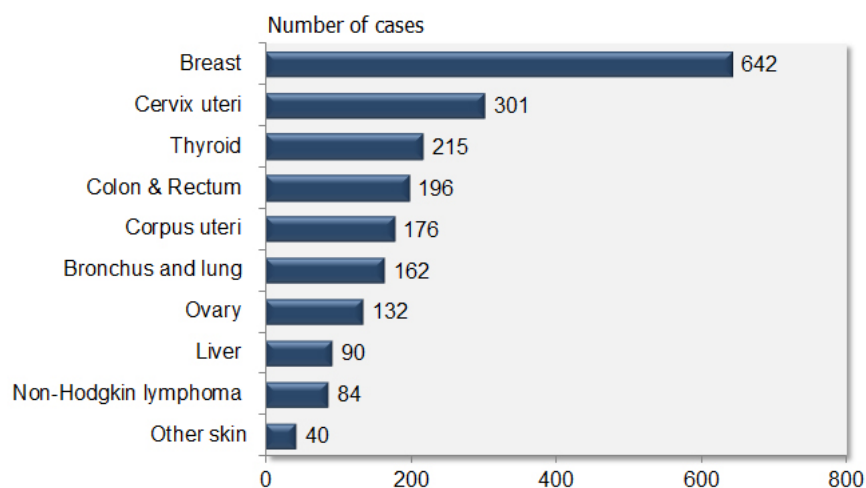


FIGURE 14: TRENDS OF FIVE LEADING SITES IN FEMALES: NUMBER OF CASES

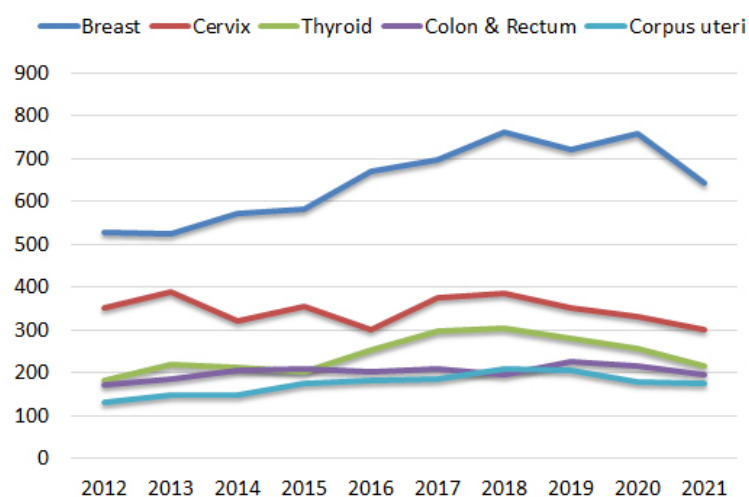


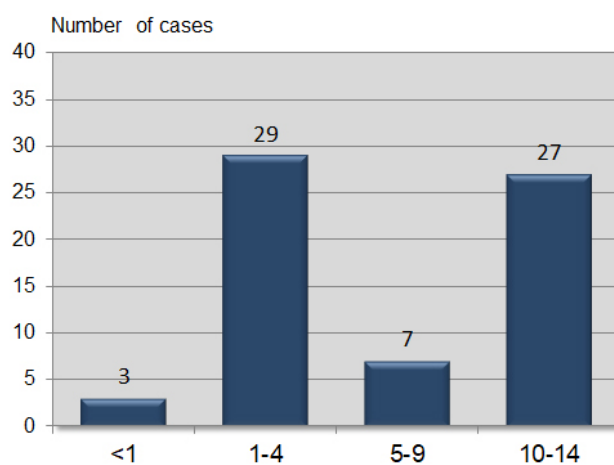
TABLE 9: MALIGNANCY IN CHILDHOOD (AGE 0-14 YEARS) *

SITE	GROUP (ICCC-3 division)	BOY	GIRL	ALL	
		NO.	NO.	NO.	%
I	Leukemias, myeloproliferative diseases, and myelodysplastic diseases	9	8	17	25.8%
II	Lymphomas and reticuloendothelial neoplasms	4	1	5	7.6%
III	CNS and miscellaneous intracranial and intraspinal neoplasms	5	4	9	13.6%
IV	Neuroblastoma and other peripheral nervous cell tumors	3	1	4	6.1%
V	Retinoblastoma	4	2	6	9.1%
VI	Renal tumors	1	0	1	1.5%
VII	Hepatic tumors	3	0	3	4.5%
VIII	Malignant bone tumors	3	3	6	9.1%
IX	Soft tissue and other extraosseous sarcomas	3	5	8	12.1%
X	Germ cell tumors, trophoblastic tumors, and neoplasms of gonads	0	2	2	3.0%
XI	Other malignant epithelial neoplasms and malignant melanomas	2	3	5	7.6%
XII	Other and unspecified malignant neoplasms	0	0	0	0.0%
Total		37	29	66	100.0%

The malignancy in childhood was 1.4% 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 = 5

SELECTED CANCERS

ORAL CAVITY CANCER

ICD-10: C01-C06

TABLE 10: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	MALE	FEMALE	TOTAL	%
Buddhist	109	38	147	90.2%
Moslem	9	7	16	9.8%
Total	118	45	163	100.0%

FIGURE 16: DISTRIBUTION OF SUBSITES

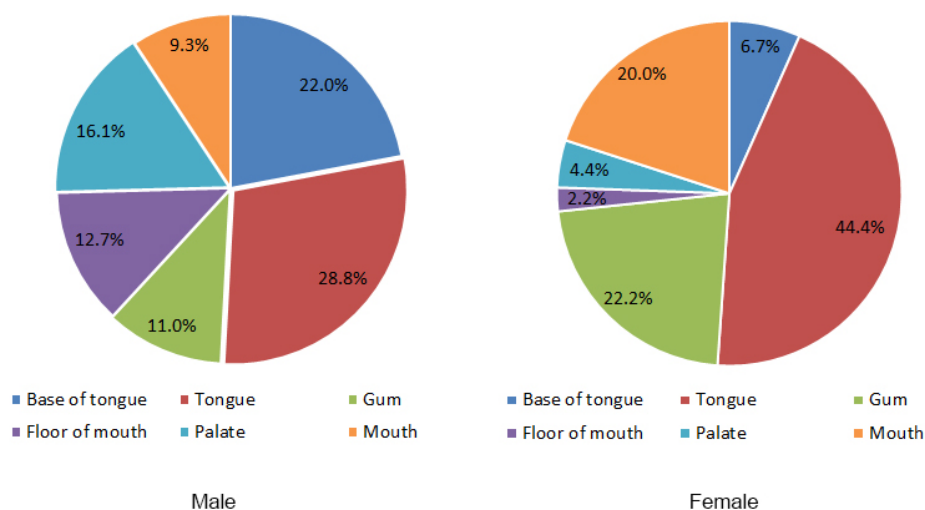


TABLE 11: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	6	7	13	8.0%
Stage II	8	4	12	7.4%
Stage III	16	2	18	11.0%
Stage IV	80	31	111	68.1%
Not specified	8	1	9	5.5%
Total	118	45	163	100.0%

ESOPHAGEAL CANCER

ICD-10: C15

TABLE 12: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	MALE	FEMALE	TOTAL	%
Buddhist	121	8	129	94.9%
Moslem	5	2	7	5.1%
Total	126	10	136	100.0%

FIGURE 17: DISTRIBUTION OF SUBSITES

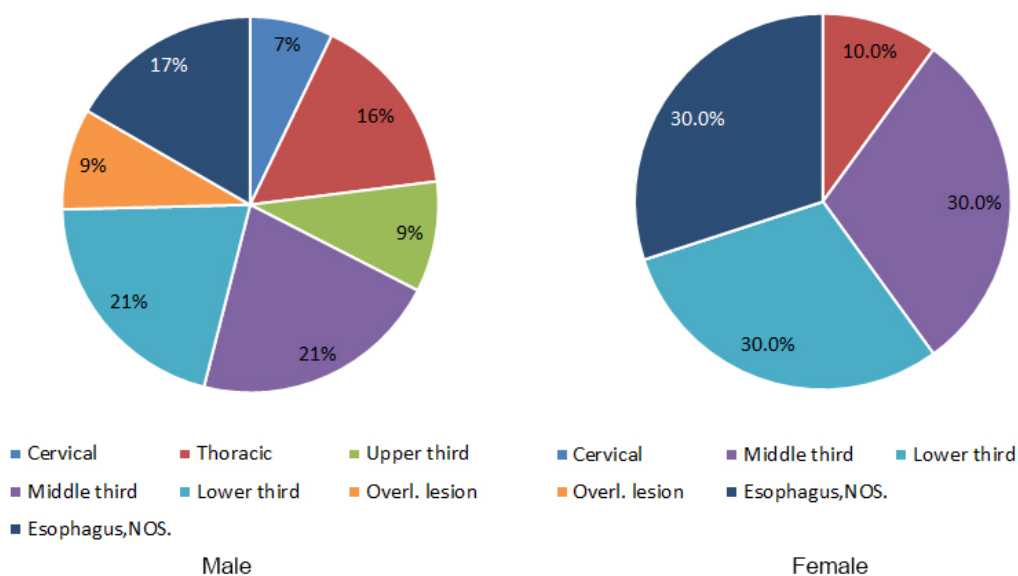


TABLE 13: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	1	0	1	0.7%
Stage II	11	0	11	8.1%
Stage III	40	1	41	30.1%
Stage IV	56	3	59	43.4%
Not specified	18	6	24	17.6%
Total	126	10	136	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

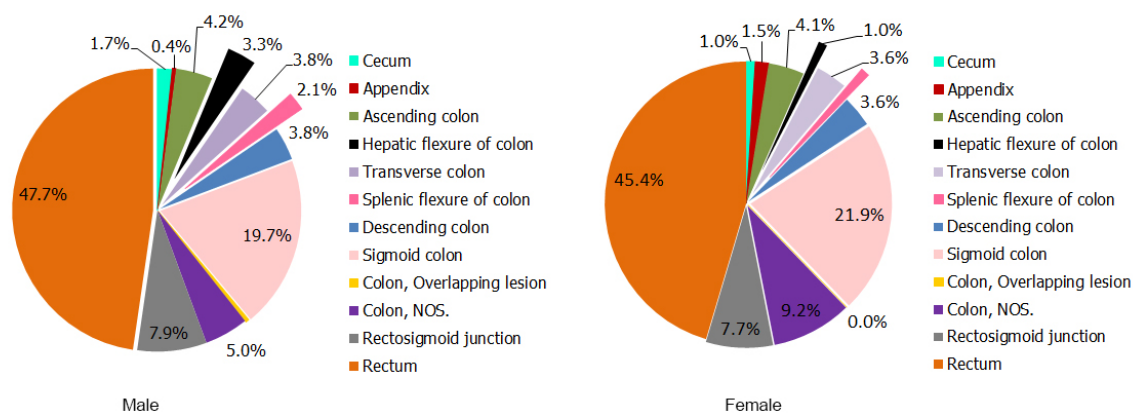
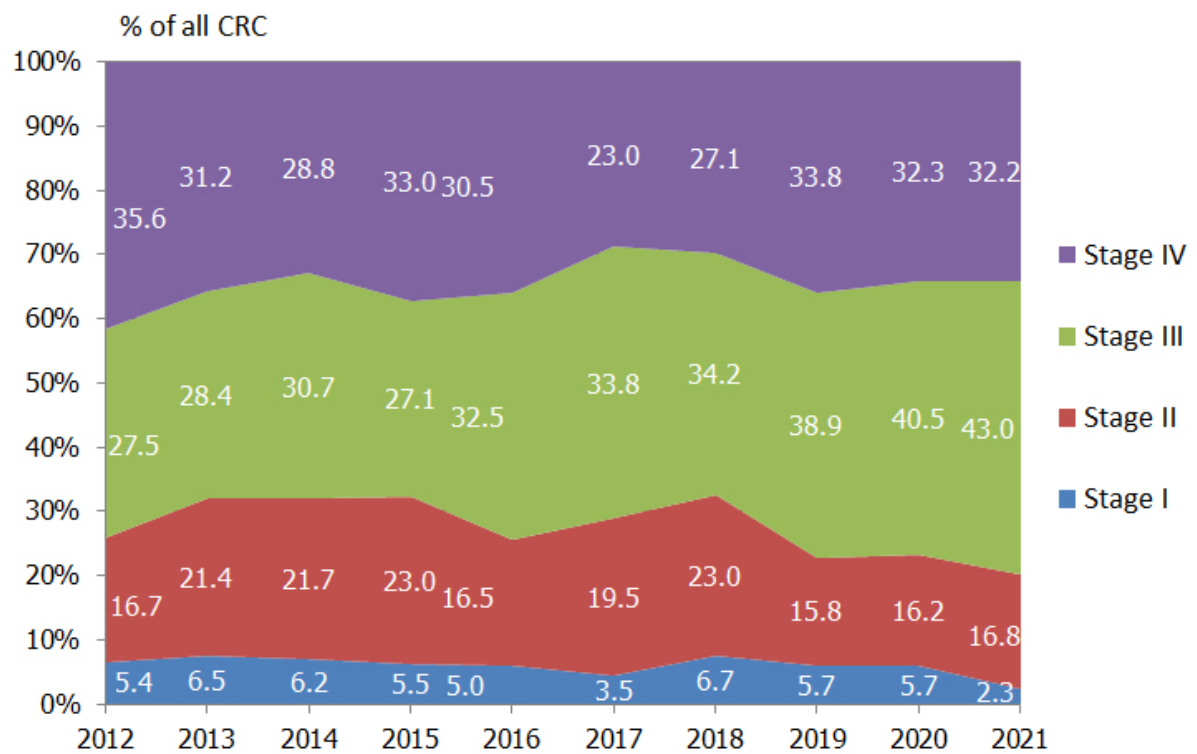


TABLE 15: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	5	5	10	2.3%
Stage II	34	39	73	16.8%
Stage III	103	84	187	43.0%
Stage IV	85	55	140	32.2%
Not specified	12	13	25	5.7%
Total	239	196	435	100.0%

FIGURE 19: STAGING TRENDS: PERCENTAGE



LUNG CANCER

ICD-10: C34

TABLE 16: NUMBER OF CASES DISTRIBUTION BY RELIGIONS

	MALE	FEMALE	TOTAL	%
Buddhist	226	144	370	81.9%
Moslem	62	18	80	17.7%
Christian	2	0	2	0.4%
Total	290	162	452	100.0%

FIGURE 20: DISTRIBUTION OF SUBSITES

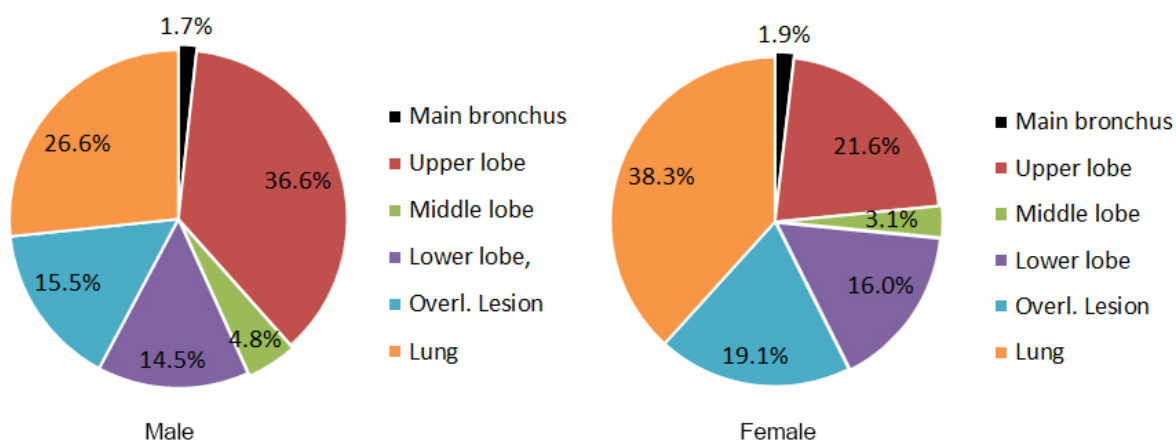


TABLE 17: STAGING

STAGE	MALE	FEMALE	TOTAL	%
Stage I	20	21	41	9.1%
Stage II	9	8	17	3.8%
Stage III	63	14	77	17.0%
Stage IV	189	118	307	67.9%
Not specified	9	1	10	2.2%
Total	290	162	452	100.0%

BREAST CANCER (EXCLUDING IN SITU)

ICD-10: C50

TABLE 18: NUMBER OF FEMALE BREAST CANCER DISTRIBUTION BY RELIGION

	NUMBER	%
Buddhist	493	76.8%
Moslem	148	23.1%
Christian	1	0.2%
Total	642	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	281	43.8%	125	19.5%	64	10.0%	23	3.6%	493	76.8%
Moslem	67	10.4%	40	6.2%	26	4.0%	15	2.3%	148	23.1%
Total	348	54.2%	165	25.7%	90	14.0%	38	5.9%	641	99.8%

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

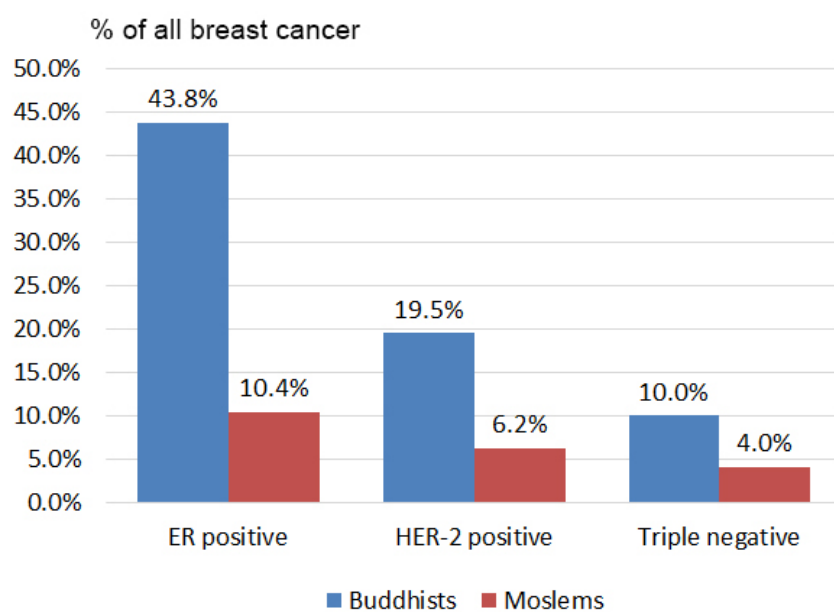


FIGURE 22: DISTRIBUTION OF SUBSITES

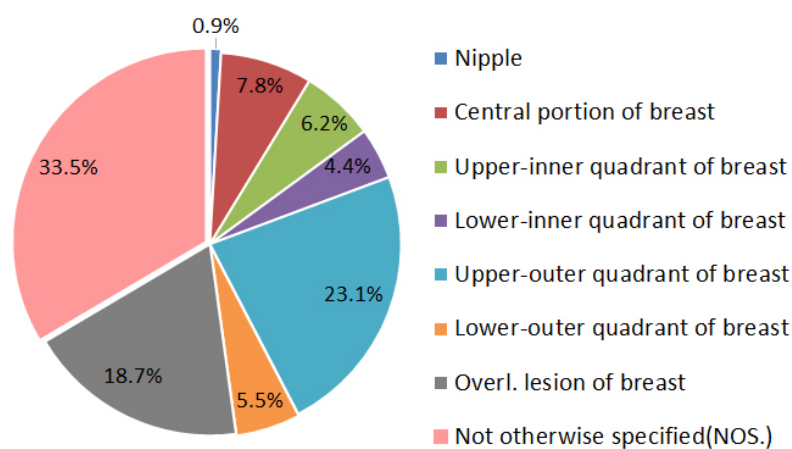
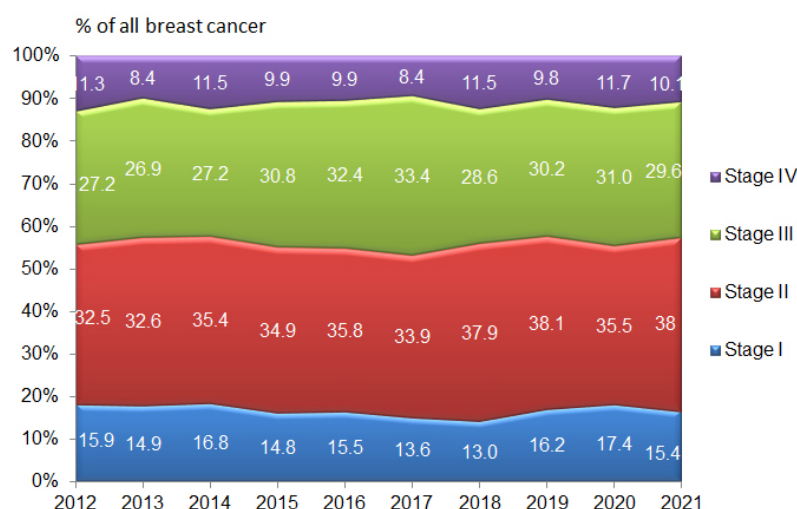


TABLE 20: STAGING

STAGE	FEMALE	%
Stage I	99	15.4%
Stage II	244	38.0%
Stage III	190	29.6%
Stage IV	65	10.1%
Not specified	44	6.9%
Total	642	100.0%

FIGURE 23: STAGING TRENDS OF FEMALE BREAST CANCER: PERCENTAGE





CERVICAL CANCER (EXCLUDING IN SITU)

ICD-10: C53

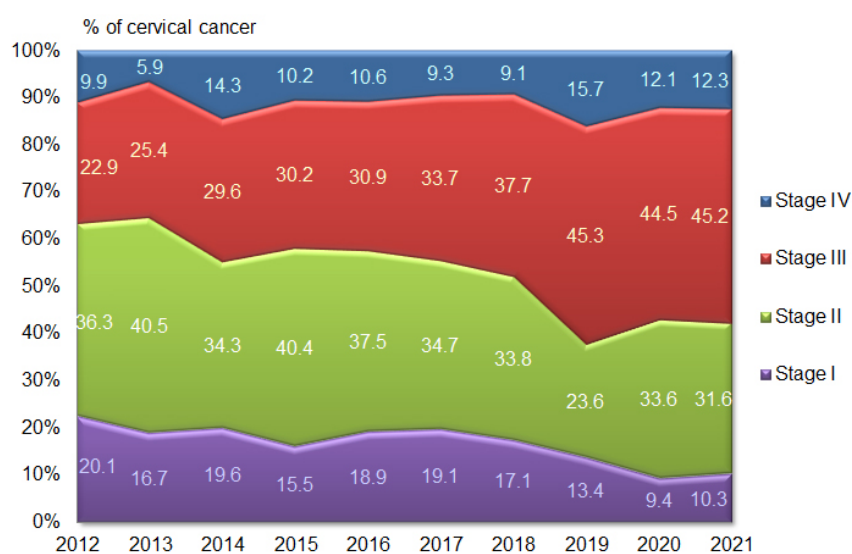
TABLE 21: DISTRIBUTION BY RELIGION

	Number of cases	%
Buddhist	254	84.4%
Moslem	46	15.3%
Christian	1	0.3%
Total	301	100.0%

TABLE 22: STAGING

STAGE	NUMBER	%
Stage I	31	10.3%
Stage II	95	31.6%
Stage III	136	45.2%
Stage IV	37	12.3%
Not specified	2	0.7%
Total	301	100.0%

FIGURE 24: STAGING TRENDS OF CERVICAL CANCER: PERCENTAGE





OVARIAN CANCER

ICD-10: C56

TABLE 23: DISTRIBUTION BY RELIGION

RELIGION	NUMBER	%
Buddhists	108	81.8%
Moslems	24	18.2%
Total	132	100.0%

TABLE 24: STAGING

STAGE	NUMBER	%
Stage I	39	29.5%
Stage II	11	8.3%
Stage III	33	25.0%
Stage IV	32	24.2%
Not specified	17	12.9%
Total	132	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(C00)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Tongue	All	143	0	0	0	0	1	1	2	2	10	8	10	15	7	9	6	6	4	62
(C01-C02)	Male	120	0	0	0	0	1	1	2	1	9	7	8	9	5	5	5	3	4	60
	Female	23	0	0	0	0	0	0	0	1	1	1	2	6	2	4	1	3	0	2
Mouth	All	138	0	0	0	0	1	0	0	3	5	9	11	10	8	8	12	3	8	60
(C03-C06)	Male	116	0	0	0	0	0	0	0	2	5	8	11	8	6	5	6	1	6	58
	Female	22	0	0	0	0	1	0	0	1	0	1	0	2	2	3	6	2	2	2
Salivary gland	All	42	0	0	1	0	1	2	1	2	4	2	1	6	3	0	5	1	1	12
(C07-C08)	Male	24	0	0	0	0	1	0	0	2	1	1	1	2	0	0	3	1	0	12
	Female	18	0	0	1	0	0	2	1	0	3	1	0	4	3	0	2	0	1	0
Tonsil	All	52	0	0	0	0	0	0	1	2	7	3	2	6	3	2	0	1	0	25
(C09)	Male	50	0	0	0	0	0	0	1	2	7	2	2	6	2	2	0	1	0	25
	Female	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Oropharynx	All	10	0	0	0	0	0	0	0	0	1	1	0	2	1	1	2	1	0	1
(C10)	Male	8	0	0	0	0	0	0	0	0	1	1	0	1	1	0	2	1	0	1
	Female	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Nasopharynx	All	80	0	0	0	1	2	4	3	5	15	10	13	9	6	6	4	1	0	1
(C11)	Male	56	0	0	0	1	1	1	3	3	13	7	8	6	5	3	3	1	0	1
	Female	24	0	0	0	0	1	3	0	2	2	3	5	3	1	3	1	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	67	0	0	0	0	0	0	0	2	1	6	6	9	17	7	6	6	3	4
(C12-C13)	Male	63	0	0	0	0	0	0	0	2	1	6	5	9	15	7	6	5	3	4
	Female	4	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	0
Pharynx, unspecified	All	9	0	0	0	0	0	0	0	0	1	0	0	0	1	2	2	2	1	0
(C14)	Male	5	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	1	0
	Female	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0
Esophagus	All	136	0	0	0	0	0	0	0	1	2	2	20	24	25	17	23	14	5	3
(C15)	Male	126	0	0	0	0	0	0	0	1	2	2	18	23	24	15	22	13	3	3
	Female	10	0	0	0	0	0	0	0	0	0	0	2	1	1	2	1	1	2	0
Stomach	All	51	0	0	0	0	1	1	1	0	1	3	5	8	11	5	8	3	3	1
(C16)	Male	29	0	0	0	0	1	0	0	0	1	1	4	3	7	2	6	0	3	1
	Female	22	0	0	0	0	0	1	1	0	0	2	1	5	4	3	2	3	0	0
Small intestine	All	14	0	0	0	0	0	0	0	0	1	1	1	2	1	2	4	1	1	0
(C17)	Male	8	0	0	0	0	0	0	0	0	1	1	0	2	0	2	1	0	1	0
	Female	6	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	1	0	0
Colon	All	198	0	0	0	0	1	3	4	2	5	9	12	32	37	32	25	16	13	7
(C18)	Male	106	0	0	0	0	1	1	1	1	3	3	7	13	22	19	14	12	5	4
	Female	92	0	0	0	0	0	2	3	1	2	6	5	19	15	13	11	4	8	3
Rectum	Both sex	237	0	0	1	0	0	4	5	7	8	16	32	24	26	41	32	20	13	8
(C19-C20)	Male	133	0	0	1	0	0	2	4	5	5	8	10	16	14	26	22	11	5	4
	Female	104	0	0	0	0	0	2	1	2	3	8	22	8	12	15	10	9	8	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+
Anus	All	16	0	0	0	0	1	1	1	1	0	2	0	2	2	2	2	1	0	1
(C21)	Male	10	0	0	0	0	0	1	1	1	0	0	0	2	1	1	2	1	0	0
	Female	6	0	0	0	0	1	0	0	0	0	2	0	0	1	1	0	0	0	1
Liver	All	268	3	0	0	0	0	0	4	2	8	24	29	40	42	38	37	20	11	10
(C22)	Male	178	3	0	0	0	0	0	2	1	8	18	22	33	26	27	16	11	6	5
	Female	90	0	0	0	0	0	0	2	1	0	6	7	7	16	11	21	9	5	5
Gallbladder etc.	All	54	0	0	0	0	0	0	0	1	0	4	6	15	6	7	4	7	4	0
(C23-C24)	Male	30	0	0	0	0	0	0	0	1	0	3	4	8	3	3	2	4	2	0
	Female	24	0	0	0	0	0	0	0	0	0	1	2	7	3	4	2	3	2	0
Pancreas	All	88	0	0	0	0	1	0	1	1	0	4	7	14	14	17	13	7	7	2
(C25)	Male	37	0	0	0	0	0	0	0	0	0	1	0	7	5	9	7	3	4	1
	Female	51	0	0	0	0	1	0	1	1	0	3	7	7	9	8	6	4	3	1
Nose, sinuses etc.	All	30	1	0	1	1	0	0	2	0	1	4	4	1	7	3	2	0	3	0
(C30-C31)	Male	18	0	0	1	0	0	0	1	0	1	2	3	1	2	3	2	0	2	0
	Female	12	1	0	0	1	0	0	1	0	0	2	1	0	5	0	0	0	1	0
Larynx	All	56	0	0	0	0	0	0	0	0	0	3	4	15	5	8	9	8	1	3
(C32)	Male	53	0	0	0	0	0	0	0	0	0	3	4	14	5	8	8	7	1	3
	Female	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
Trachea, bronchus and lung	All	452	0	1	0	0	0	2	4	7	9	30	36	69	71	64	63	42	35	19
(C33-C34)	Male	290	0	0	0	0	0	1	3	7	5	17	23	45	39	44	46	22	26	12
	Female	162	0	1	0	0	0	1	1	0	4	13	13	24	32	20	17	20	9	7

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	7	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0
(C37-C38)	Male	6	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0
	Female	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Bone	All	31	0	0	6	6	3	0	1	1	4	3	0	2	3	1	1	0	0	0
(C40-C41)	Male	20	0	0	3	4	3	0	0	1	1	2	0	1	3	1	1	0	0	0
	Female	11	0	0	3	2	0	0	1	0	3	1	0	1	0	0	0	0	0	0
Melanoma of skin	All	23	0	0	0	0	1	0	0	1	1	2	4	2	2	3	3	1	2	1
(C43)	Male	15	0	0	0	0	1	0	0	0	1	2	2	0	1	2	3	1	2	0
	Female	8	0	0	0	0	0	0	0	1	0	0	2	2	1	1	0	0	0	1
Other skin	All	70	0	0	0	0	0	0	4	3	3	1	4	12	7	9	5	5	8	9
(C44)	Male	30	0	0	0	0	0	0	4	1	2	1	3	4	4	6	0	0	2	3
	Female	40	0	0	0	0	0	0	0	2	1	0	1	8	3	3	5	5	6	6
Mesothelioma	All	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
(C45)	Male	2	0	0	0	0	0	0	0	0	0	1	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
Kaposi sarcoma	All	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
(C46)	Male	3	0	0	0	0	0	3	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	70	4	0	3	2	2	2	4	3	6	3	8	5	6	6	3	6	3	4
(C47, C49)	Male	40	2	0	1	0	2	1	1	2	3	2	6	3	3	3	3	5	1	2
	Female	30	2	0	2	2	0	1	3	1	3	1	2	2	3	3	0	1	2	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+
Breast	All	642	0	0	0	0	0	6	24	40	88	96	97	100	76	58	28	13	12	4
(C50)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	642	0	0	0	0	0	6	24	40	88	96	97	100	76	58	28	13	12	4
Vulva	All	4	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1
(C51)	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	0	1	1	0	0	1	0	0	1
Vagina	All	5	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	1
(C52)	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	2	0	2	0	0	0	0	1
Cervix uteri	All	301	0	0	0	0	1	7	18	20	30	37	48	43	35	30	20	8	3	1
(C53)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	301	0	0	0	0	1	7	18	20	30	37	48	43	35	30	20	8	3	1
Corpus uteri	All	176	0	0	0	0	0	1	10	9	5	13	21	25	38	33	11	4	4	2
(C54)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	176	0	0	0	0	0	1	10	9	5	13	21	25	38	33	11	4	4	2
Uterus unspecified	All	21	0	0	0	0	0	0	0	0	1	2	3	8	2	2	2	1	0	0
(C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	21	0	0	0	0	0	0	0	0	1	2	3	8	2	2	2	1	0	0
Ovary	All	132	0	0	2	2	1	5	2	9	12	13	19	20	18	10	8	6	4	1
(C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	132	0	0	2	2	1	5	2	9	12	13	19	20	18	10	8	6	4	1

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	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	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	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
Placenta	All	1	0	0	0	0	0	0	0	1	0	0	0	0	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	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Penis	All	7	0	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	0	1
(C60)	Male	7	0	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	0	1
	Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prostate	All	160	0	0	0	0	1	0	0	0	0	2	4	11	17	38	42	22	13	10
(C61)	Male	160	0	0	0	0	1	0	0	0	0	2	4	11	17	38	42	22	13	10
	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	3	1	0	1	0	1	0	0	0	0	0	0	0	0
(C62)	Male	6	0	0	0	0	3	1	0	1	0	1	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
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	53	1	0	0	0	1	1	5	1	2	3	3	6	7	10	4	4	2	3
(C64)	Male	38	1	0	0	0	1	0	2	0	2	3	2	5	7	8	4	3	0	0
	Female	15	0	0	0	0	0	1	3	1	0	0	1	1	0	2	0	1	2	3

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	6	0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	1	0	0
(C65)	Male	4	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0
	Female	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
Ureter	All	6	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	0
(C66)	Male	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
	Female	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0
Bladder	All	96	0	0	0	0	0	1	0	0	2	3	4	14	11	18	18	7	8	10
(C67)	Male	76	0	0	0	0	0	0	0	0	0	2	3	12	11	16	16	4	5	7
	Female	20	0	0	0	0	0	1	0	0	2	1	1	2	0	2	2	3	3	3
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	16	4	2	0	0	0	0	2	0	0	1	0	0	0	1	3	0	3	0
(C69)	Male	7	3	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0
	Female	9	1	1	0	0	0	0	1	0	0	1	0	0	0	1	2	0	2	0
Brain, nervous system	All	62	2	2	3	1	1	1	5	5	4	5	4	7	7	7	5	1	1	1
(C70-C72)	Male	36	2	0	1	0	1	0	3	3	2	2	3	4	7	3	3	1	0	1
	Female	26	0	2	2	1	0	1	2	2	2	3	1	3	0	4	2	0	1	0
Thyroid	All	261	0	0	1	3	9	27	23	24	28	32	18	17	29	19	16	8	7	0
(C73)	Male	46	0	0	0	0	1	0	2	5	9	4	3	3	4	6	3	5	1	0
	Female	215	0	0	1	3	8	27	21	19	19	28	15	14	25	13	13	3	6	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+
Adrenal gland	All	7	4	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0
(C74)	Male	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Female	3	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Other endocrine	All	6	1	0	1	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0
(C75)	Male	6	1	0	1	0	2	0	0	0	0	0	0	2	0	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	18	1	0	0	1	5	3	2	1	0	0	0	0	1	2	1	0	1	0
(C81)	Male	10	1	0	0	0	2	2	1	1	0	0	0	0	0	2	1	0	0	0
	Female	8	0	0	0	1	3	1	1	0	0	0	0	0	1	0	0	0	1	0
Non-Hodgkin lymphoma	All	175	2	1	1	3	5	1	4	10	7	11	10	10	20	28	26	15	11	10
(C82-C85, C96)	Male	91	1	1	1	3	3	1	2	2	3	5	5	5	10	15	16	8	6	4
	Female	84	1	0	0	0	2	0	2	8	4	6	5	5	10	13	10	7	5	6
Malignant immunoproliferative	All	10	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3	0	0	1
diseases (C88)	Male	6	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2	0	0	1
	Female	4	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0
Multiple myeloma	All	43	0	0	0	0	0	0	0	0	1	3	3	4	11	4	8	6	2	1
(C90)	Male	20	0	0	0	0	0	0	0	0	1	2	3	1	5	3	3	2	0	0
	Female	23	0	0	0	0	0	0	0	0	0	1	0	3	6	1	5	4	2	1
Lymphoid leukemia	All	33	5	0	5	1	4	0	1	1	1	1	0	3	2	3	1	1	3	1
(C91)	Male	21	2	0	3	0	4	0	1	0	1	1	0	2	1	3	0	1	2	0
	Female	12	3	0	2	1	0	0	0	1	0	0	0	1	1	0	1	0	1	1

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	45	4	1	1	2	2	2	1	2	2	4	5	0	2	4	4	2	2	5
(C92-C94)	Male	25	2	0	1	0	1	0	1	2	2	3	3	0	0	2	2	2	1	3
	Female	20	2	1	0	2	1	2	0	0	0	1	2	0	2	2	2	0	1	2
Leukemia unspecified	All	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C95)	Male	1	0	0	1	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
Myeloproliferative disease	All	20	0	0	0	0	0	1	1	0	1	1	1	1	4	4	3	0	2	1
(D45, D47)	Male	13	0	0	0	0	0	0	1	0	1	1	0	1	2	4	3	0	0	0
	Female	7	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	2	1
Myelodysplastic syndromes	All	6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	1
(D46)	Male	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0
	Female	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
Other & unspecified	All	41	0	0	0	1	1	1	0	1	2	2	4	2	8	6	5	4	2	2
(C26, C39, C48, C76, C80)	Male	20	0	0	0	0	0	1	0	1	2	0	2	1	5	2	2	1	1	2
	Female	21	0	0	0	1	1	0	0	0	0	2	2	1	3	4	3	3	1	0
All sites	All	4,558	32	7	27	25	50	83	135	168	266	387	464	599	624	569	487	287	203	145
	Male	2,026	21	2	14	9	29	18	36	45	80	131	168	263	280	297	282	165	103	83
	Female	2,532	11	5	13	16	21	65	99	123	186	256	296	336	344	272	205	122	100	62

TABLE 26: HISTOLOGICAL TYPES

PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
Lip			0	1	1
(C00)	8070	Squamous cell carcinoma, NOS	0	1	1
Tongue			60	23	83
(C01-C02)	8010	Carcinoma, NOS	1	1	2
	8070	Squamous cell carcinoma	56	19	75
	8071	Squamous cell carcinoma, keratinizing	2	2	4
	8074	Spindle-cell squamous cell carcinoma	0	1	1
	8200	Adenoid cystic carcinoma	1	0	1
Mouth			58	22	80
(C03-C06)	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	52	15	67
	8071	Squamous cell carcinoma, keratinizing, NOS	2	3	5
	8140	Adenocarcinoma, NOS	2	0	2
	8200	Adenoid cystic carcinoma	1	1	2
	8430	Mucoepidermoid carcinoma	0	2	2
	8720	Mucosal malignant melanoma	0	1	1
Salivary gland			12	18	30
(C07-C08)	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	1	2	3
	8070	Squamous cell carcinoma, NOS	0	2	2
	8071	Squamous cell carcinoma, keratinizing, NOS	1	0	1
	8082	Lymphoepithelial carcinoma	0	1	1
	8140	Adenocarcinoma	1	1	2
	8200	Adenoid cystic carcinoma	1	3	4
	8430	Mucoepidermoid carcinoma	6	6	12
	8481	Mucin-secreting carcinoma	0	1	1
	8982	Myoepithelial carcinoma	1	2	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
Tonsil			25	2	27
(C09)	8070	Squamous cell carcinoma	22	2	24
	8071	Squamous cell carcinoma, keratinizing, NOS	1	0	1
	8072	Squamous cell carcinoma, nonkeratinizing	2	0	2
Oropharynx			8	2	10
(C10)	8070	Squamous cell carcinoma	7	2	9
	8071	Squamous cell carcinoma, keratinizing	1	0	1
Nasopharynx			56	24	80
(C11)	8010	Carcinoma, NOS	4	1	5
	8020	Undifferentiated carcinoma	22	11	33
	8070	Squamous cell carcinoma	5	1	6
	8071	Squamous cell carcinoma, keratinizing	1	0	1
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	24	11	35
Hypopharynx			63	4	67
(C12-C13)	8010	Carcinoma, NOS	1	0	1
	8041	Small cell carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma, NOS	58	4	62
	8071	Squamous cell carcinoma, keratinizing	2	0	2
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
Pharynx, unspecified			17	4	21
(C14)	8070	Squamous cell carcinoma	17	4	21
Esophagus			126	10	136
(C15)	8000	No microscopic confirmation, clinically malignant tumor	1	0	1
	8010	Carcinoma, NOS	2	0	2
	8041	Small cell carcinoma, NOS	2	1	3
	8070	Squamous cell carcinoma, NOS	109	8	117
	8071	Squamous cell carcinoma, keratinizing, NOS	2	0	2
	8140	Adenocarcinoma	8	1	9
	8240	Carcinoid tumour	1	0	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8246	Neuroendocrine carcinoma, NOS	1	0	1
Stomach			29	22	51
(C16)	8000	No microscopic confirmation, clinically malignant tumor	1	0	1
	8010	Carcinoma, NOS	2	1	3
	8140	Adenocarcinoma	24	14	38
	8490	Signet ring cell adenocarcinoma	1	7	8
	8574	Adenocarcinoma with neuroendocrine differentiation	1	0	1
Small intestine			8	6	14
(C17)	8000	No microscopic confirmation, clinically malignant tumor	0	1	1
	8010	Carcinoma, NOS	1	0	1
	8140	Adenocarcinoma	7	5	12
Colon			106	92	198
(C18)	8000	No microscopic confirmation, clinically malignant tumor	1	1	2
	8010	Carcinoma, NOS	5	3	8
	8140	Adenocarcinoma, NOS	92	81	173
	8240	Carcinoid tumour	1	0	1
	8246	Neuroendocrine carcinoma	0	1	1
	8480	Mucinous adenocarcinoma	5	5	10
	8490	Adenocarcinoma, signet-ring cell	2	1	3
Rectum			133	104	237
(C19-C20)	8000	No microscopic confirmation, clinically malignant tumor	1	0	1
	8010	Carcinoma, NOS	2	3	5
	8140	Adenocarcinoma, NOS	124	97	221
	8249	Atypical carcinoid tumor	0	1	1
	8480	Mucinous adenocarcinoma	1	0	1
	8481	Mucin-producing adenocarcinoma	1	0	1
	8490	Signet ring cell carcinoma	4	3	7



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
Anus			10	6	16
(C21)	8041	Small cell carcinoma, NOS	0	1	1
	8070	Squamous cell carcinoma, NOS	3	4	7
	8140	Adenocarcinoma	6	1	7
	8240	Carcinoid tumour	1	0	1
Liver			178	90	268
(C22)	8000	No microscopic confirmation, clinically malignant tumor	126	49	175
	8010	Carcinoma, NOS	1	1	2
	8041	Small cell neuroendocrine carcinoma	1	0	1
	8140	Adenocarcinoma, NOS	11	11	22
	8160	Cholangiocarcinoma	9	8	17
	8170	Hepatocellular carcinoma, NOS	24	21	45
	8173	Hepatocellular carcinoma, sarcomatoid	1	0	1
	8180	Hepatocholangiocarcinoma	3	0	3
	8970	Hepatoblastoma	2	0	2
Gallbladder etc.			30	24	54
(C23-C24)	8000	No microscopic confirmation, clinically malignant tumor	5	3	8
	8010	Carcinoma, NOS	2	1	3
	8140	Adenocarcinoma	21	17	38
	8160	Cholangiocarcinoma	0	3	3
	8246	Neuroendocrine carcinoma, NOS	1	0	1
	8452	Solid pseudopapillary carcinoma	1	0	1
Pancreas			37	51	88
(C25)	8000	No microscopic confirmation, clinically malignant tumor	5	9	14
	8010	Carcinoma, NOS	0	1	1
	8041	Small cell carcinoma	0	2	2
	8140	Adenocarcinoma, NOS	28	31	59
	8240	Carcinoid tumour	0	4	4
	8244	Mixed carcinoid-adenocarcinoma	0	1	1
	8246	Neuroendocrine carcinoma	2	0	2
	8452	Solid pseudopapillary carcinoma	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8470	Mucinous cystadenocarcinoma	0	1	1
	8480	Mucinous adenocarcinoma	1	0	1
	8560	Adenosquamous carcinoma	1	0	1
	8574	Adenocarcinoma with neuroendocrine differentiation	0	1	1
Nose, sinuses etc.			18	12	30
(C30-C31)					
	8000	Malignancy	1	0	1
	8010	Carcinoma, NOS	1	0	1
	8020	Carcinoma, undifferentiated, NOS	1	0	1
	8041	Small cell neuroendocrine carcinoma	1	1	2
	8070	Squamous cell carcinoma	5	3	8
	8071	Squamous cell carcinoma, keratinizing	1	0	1
	8072	Squamous cell carcinoma, nonkeratinizing, NOS	1	0	1
	8140	Adenocarcinoma, non-intestinal-type	1	4	5
	8200	Adenoid cystic carcinoma	0	1	1
	8246	Neuroendocrine carcinoma, NOS	1	0	1
	8720	Malignant melanoma	1	0	1
	8900	Rhabdomyosarcoma, NOS	1	1	2
	8920	Alveolar rhabdomyosarcoma	1	0	1
	9522	Olfactory neuroblastoma	2	2	4
Larynx			53	3	56
(C32)					
	8000	No microscopic confirmation, clinically malignant tumor	2	0	2
	8070	Squamous cell carcinoma	48	3	51
	8071	Squamous cell carcinoma, keratinizing, NOS	3	0	3
Trachea, bronchus and lung			290	162	452
(C33-C34)					
	8000	No microscopic confirmation, clinically malignant tumor	25	9	34
	8010	Carcinoma, NOS	5	3	8
	8013	Large cell neuroendocrine carcinoma	3	0	3
	8041	Small cell carcinoma, NOS	29	1	30
	8045	Combined small cell carcinoma	1	0	1
	8046	Non-small cell carcinoma	13	1	14



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8070	Squamous cell carcinoma	46	3	49
	8140	Adenocarcinoma	151	134	285
	8200	Adenoid cystic carcinoma	1	0	1
	8246	Neuroendocrine carcinoma, NOS	1	0	1
	8249	Atypical carcinoid tumor	0	1	1
	8250	Bronchiolo-alveolar adenocarcinoma, NOS	0	1	1
	8255	Adenocarcinoma, mixed subtype	1	0	1
	8260	Papillary adenocarcinoma	0	2	2
	8310	Clear cell carcinoma	1	0	1
	8430	Mucoepidermoid carcinoma	0	1	1
	8480	Mucinous adenocarcinoma	2	2	4
	8550	Acinar adenocarcinoma	8	3	11
	8560	Adenosquamous carcinoma	3	1	4
Other thoracic organs			6	1	7
(C37-C38)	8010	Carcinoma, NOS	1	0	1
	8580	Thymoma, malignant, NOS	0	1	1
	9061	Seminoma, NOS	1	0	1
	9064	Germinoma	2	0	2
	9071	Yolk sac tumor	1	0	1
	9085	Mixed germ cell tumor	1	0	1
Bone			20	11	31
(C40-C41)	9180	Osteosarcoma, NOS	3	7	10
	9181	Chondroblastic osteosarcoma	1	0	1
	9182	Fibroblastic osteosarcoma	0	1	1
	9220	Chondrosarcoma, NOS	4	0	4
	9260	Ewing sarcoma	8	2	10
	9370	Chordoma, NOS	4	1	5
Melanoma of skin			15	8	23
(C43)	8720	Malignant melanoma	12	8	20



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8721	Nodular melanoma	2	0	2
	8744	Acral lentiginous melanoma	1	0	1
Other skin			30	40	70
(C44)	8010	Carcinoma, NOS	1	0	1
	8070	Squamous cell carcinoma	16	16	32
	8071	Squamous cell carcinoma, keratinizing	0	2	2
	8076	microinvasive squamous cell carcinoma	0	1	1
	8090	Basal cell carcinoma, NOS	10	14	24
	8094	Basosquamous carcinoma	0	1	1
	8097	Basal cell carcinoma, micronodular	0	2	2
	8247	Primary cutaneous neuroendocrine carcinoma	1	0	1
	8409	Porocarcinoma	0	1	1
	8410	Sebaceous carcinoma	0	1	1
	8832	Dermatofibrosarcoma protuberans, NOS	2	2	4
Mesothelioma			2	0	2
(C45)	9050	Malignant mesothelioma	1	0	1
	9052	Epithelioid mesothelioma, NOS	1	0	1
Kaposi sarcoma			1	0	1
(C46)	9140	Kaposi sarcoma	1	0	1
Connective and soft tissues			40	30	70
(C47, C49)	8000	No microscopic confirmation, clinically malignant tumor	0	1	1
	8800	Sarcoma, NOS	1	0	1
	8801	Spindle cell sarcoma	8	2	10
	8802	Pleomorphic cell sarcoma	4	0	4
	8804	Epithelioid cell sarcoma	1	1	2
	8806	Desmoplastic small round cell tumor	0	1	1
	8811	Myxofibrosarcoma	2	1	3
	8814	Infantile fibrosarcoma	0	1	1
	8815	Solitary fibrous tumor, malignant	0	1	1
	8830	Undifferentiated pleomorphic sarcoma	8	2	10



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8850	Liposarcoma	2	2	4
	8851	Liposarcoma, well differentiated	0	2	2
	8852	Myxoid liposarcoma	1	1	2
	8854	Pleomorphic liposarcoma	1	0	1
	8858	Dedifferentiated liposarcoma	1	1	2
	8890	Leiomyosarcoma, NOS	4	6	10
	8900	Rhabdomyosarcoma, NOS	1	0	1
	8901	Pleomorphic rhabdomyosarcoma, NOS	2	0	2
	8910	Embryonal rhabdomyosarcoma, NOS	1	1	2
	8912	Spindle cell rhabdomyosarcoma	1	0	1
	8920	Alveolar rhabdomyosarcoma	1	0	1
	9040	Synovial sarcoma, NOS	1	1	2
	9041	Synovial sarcoma, spindle cell	0	1	1
	9043	Biphasic synovial sarcoma	0	1	1
	9540	Malignant peripheral nerve sheath tumor	0	4	4
Breast			0	642	642
(C50)	8000	No microscopic confirmation, clinically malignant tumor	0	1	1
	8010	Carcinoma, NOS	0	29	29
	8140	Adenocarcinoma	0	5	5
	8260	Ductal adenocarcinoma, papillary	0	3	3
	8480	Mucinous carcinoma	0	16	16
	8500	Ductal carcinoma, NOS	0	544	544
	8503	Invasive papillary carcinoma	0	7	7
	8507	Invasive micropapillary carcinoma	0	1	1
	8510	Medullary carcinoma, NOS	0	3	3
	8520	Invasive lobular carcinoma	0	18	18
	8522	Infiltrating duct and lobular carcinoma	0	2	2
	8523	Infiltrating duct mixed with other types of carcinoma	0	5	5
	8575	Metaplastic carcinoma, NOS	0	2	2
	9020	Phyllodes tumor, malignant	0	6	6
Vulva			0	4	4
(C51)	8070	Squamous cell carcinoma	0	3	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8090	Basal cell carcinoma	0	1	1
Vagina			0	5	5
(C52)	8070	Squamous cell carcinoma	0	2	2
	8140	Adenocarcinoma, NOS	0	1	1
	8310	Clear cell adenocarcinoma, NOS	0	1	1
	8720	Malignant melanoma	0	1	1
Cervix uteri			0	301	301
(C53)	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	0	6	6
	8041	Small cell carcinoma	0	3	3
	8045	Combined small cell-squamous cell carcinoma	0	1	1
	8052	Papillary squamous cell carcinoma	0	1	1
	8070	Squamous cell carcinoma	0	158	158
	8071	Keratinizing squamous cell carcinoma	0	13	13
	8072	Squamous cell carcinoma, nonkeratinizing	0	45	45
	8076	microinvasive squamous cell carcinoma	0	2	2
	8140	Adenocarcinoma	0	54	54
		Adenocarcinoma combined with other types of			
	8255	carcinoma	0	1	1
	8262	Villoglandular adenocarcinoma	0	1	1
	8310	Clear cell carcinoma	0	1	1
	8380	Endometrioid carcinoma, NOS	0	2	2
	8490	Adenocarcinoma, signet-ring cell	0	2	2
	8560	Adenosquamous carcinoma	0	8	8
	8720	Malignant melanoma	0	2	2
Corpus uteri			0	176	176
(C54)	8010	Carcinoma, NOS	0	3	3
	8020	Undifferentiated carcinoma	0	1	1
	8140	Adenocarcinoma	0	7	7
	8310	Clear cell adenocarcinoma, NOS	0	2	2
	8323	Mixed cell adenocarcinoma	0	5	5



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8380	Endometrioid carcinoma, NOS	0	141	141
	8441	Serous adenocarcinoma	0	7	7
	8930	Endometrial stromal sarcoma, high grade	0	7	7
	8931	Endometrioid stromal sarcoma, low grade	0	3	3
Uterus unspecified			0	21	21
(C55)	8800	Sarcoma	0	1	1
	8890	Leiomyosarcoma, NOS	0	6	6
	8980	Carcinosarcoma, NOS	0	14	14
Ovary			0	132	132
(C56)	8000	No microscopic confirmation, clinically malignant tumor	0	8	8
	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	0	4	4
	8070	Squamous cell carcinoma	0	2	2
	8140	Adenocarcinoma, NOS	0	11	11
	8310	Clear cell carcinoma	0	23	23
	8323	Mixed cell adenocarcinoma	0	5	5
	8380	Endometrioid carcinoma, NOS	0	11	11
	8441	Serous carcinoma, NOS	0	39	39
	8470	Mucinous cystadenocarcinoma	0	1	1
	8480	Mucinous carcinoma	0	17	17
	8851	Liposarcoma, well differentiated	0	1	1
	8980	Carcinosarcoma, NOS	0	2	2
	9060	Dysgerminoma	0	1	1
	9071	Yolk sac tumor	0	1	1
	9080	Immature teratoma, NOS	0	3	3
	9085	Mixed germ cell tumor	0	1	1
	9100	Non-gestational choriocarcinoma	0	1	1
Other female genital			0	3	3
(C57)	8000	No microscopic confirmation, clinically malignant tumor	0	1	1
	8140	Adenocarcinoma	0	1	1
	8441	Serous adenocarcinoma	0	1	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
Placenta			0	1	1
(C58)	9100	Choriocarcinoma, NOS	0	1	1
Penis			7	0	7
(C60)	8070	Squamous cell carcinoma, NOS	6	0	6
	8071	Squamous cell carcinoma, keratinizing	1	0	1
Prostate			160	0	160
(C61)	8000	No microscopic confirmation, clinically malignant tumor	4	0	4
	8010	Carcinoma, NOS	8	0	8
	8140	Adenocarcinoma	137	0	137
	8240	Carcinoid tumour	1	0	1
	8550	Acinar adenocarcinoma	8	0	8
	8574	Adenocarcinoma with neuroendocrine differentiation	1	0	1
	8940	Mixed tumor, malignant, NOS	1	0	1
Testis			6	0	6
(C62)	8850	Liposarcoma, NOS	1	0	1
	9061	Seminoma, NOS	2	0	2
	9071	Yolk sac tumor	1	0	1
	9085	Mixed germ cell tumor	1	0	1
	9473	Primitive neuroectodermal tumor, NOS	1	0	1
Other female genital organs			1	0	1
(C63)	8070	Squamous cell carcinoma, NOS	1	0	1
Kidney			38	15	53
(C64)	8000	No microscopic confirmation, clinically malignant tumor	8	3	11
	8010	Carcinoma, NOS	1	0	1
	8032	Spindle cell carcinoma	1	0	1
	8070	Squamous cell carcinoma, NOS	1	0	1
	8140	Adenocarcinoma	1	0	1



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8260	Papillary renal cell carcinoma	6	2	8
	8310	Clear cell renal cell carcinoma	16	8	24
	8312	Renal cell carcinoma, NOS	1	0	1
	8317	Chromophobe cell renal carcinoma	1	2	3
	8318	Renal cell carcinoma, sarcomatoid	1	0	1
	8960	Nephroblastoma, NOS	1	0	1
Renal pelvis			4	2	6
(C65)	8000	No microscopic confirmation, clinically malignant tumor	1	0	1
	8010	Carcinoma, NOS	0	1	1
	8120	Urothelial carcinoma, NOS	3	1	4
Ureter			3	3	6
(C66)	8000	No microscopic confirmation, clinically malignant tumor	0	1	1
	8010	Carcinoma, NOS	1	0	1
	8120	Urothelial carcinoma, NOS	2	1	3
	8130	Papillary urothelial carcinoma	0	1	1
Bladder			76	20	96
(C67)	8000	No microscopic confirmation, clinically malignant tumor	3	0	3
	8010	Carcinoma, NOS	3	0	3
	8070	Squamous cell carcinoma	3	0	3
	8120	Infiltrating urothelial carcinoma	38	11	49
	8130	Non-invasive papillary urothelial carcinoma, low grade	29	8	37
	8140	Adenocarcinoma, NOS	0	1	1
Urinary system, NOS			1	0	1
(C68)	8120	Infiltrating urothelial carcinoma	1	0	1
Eye			7	9	16
(C69)	8000	No microscopic confirmation, clinically malignant tumor	1	2	3
	8070	Squamous cell carcinoma	3	4	7



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	8720	Malignant melanoma	0	2	2
	8770	Mixed epithelioid and spindle cell melanoma	0	1	1
	9510	Retinoblastoma, NOS	3	0	3
Brain, nervous system			36	26	62
(C70-C72)	8000	No microscopic confirmation, clinically malignant tumor	3	2	5
	8041	Round cell carcinoma	1	0	1
	9064	Germinoma	1	0	1
	9380	Glioma, malignant	2	1	3
	9382	Oligoastrocytoma	0	1	1
	9391	Ependymoma, NOS	1	0	1
	9392	Anaplastic ependymoma	1	1	2
	9400	Diffuse astrocytoma	1	5	6
	9401	Anaplastic astrocytoma	4	1	5
	9421	Pilocytic astrocytoma	0	1	1
	9440	Glioblastoma, NOS	18	12	30
	9442	Gliosarcoma	1	0	1
	9451	Anaplastic oligodendroglioma	0	1	1
	9470	Medulloblastoma, NOS	1	1	2
	9530	Anaplastic meningioma	2	0	2
Thyroid			46	215	261
(C73)	8010	Carcinoma, NOS	0	2	2
	8021	Undifferentiated (anaplastic) carcinoma	0	2	2
	8260	Papillary carcinoma of thyroid	32	125	157
	8290	Hurthle cell carcinoma	2	7	9
	8330	Follicular carcinoma, NOS	2	27	29
	8335	Follicular carcinoma, minimally invasive	1	3	4
	8337	Insular carcinoma	1	0	1
	8340	Papillary carcinoma, follicular variant	4	22	26
	8341	Papillary microcarcinoma	4	23	27
	8343	Papillary carcinoma, encapsulate	0	2	2
	8345	Medullary carcinoma of thyroid	0	2	2



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
Adrenal gland			4	3	7
(C74)	8370	Adrenal cortical carcinoma	1	3	4
	9500	Neuroblastoma, NOS	3	0	3
Other endocrine			6	0	6
(C75)	8246	Neuroendocrine carcinoma, NOS	1	0	1
	8310	Clear cell adenocarcinoma, NOS	1	0	1
	9064	Germinoma	2	0	2
	9085	Mixed germ cell tumor	1	0	1
	9473	Central primitive neuroectodermal tumor, NOS	1	0	1
Hodgkin lymphoma			10	8	18
(C81)	9650	Hodgkin lymphoma, NOS	0	1	1
	9652	Classical Hodgkin lymphoma, mixed cellularity, NOS	2	3	5
	9653	Classical Hodgkin lymphoma, lymphocyte-depletion, NOS	1	0	1
	9663	Hodgkin disease, nodular sclerosis, NOS	7	4	11
Non-Hodgkin lymphoma			91	84	175
(C82-C86, C96)	9590	Lymphoma, NOS	1	1	2
	9591	B cell lymphoma, NOS	1	1	2
	9670	Malignant lymphoma, small cell, NOS	0	1	1
	9671	Malignant lymphoma, lymphoplasmacytic	1	0	1
	9673	Mantle cell lymphoma	8	1	9
	9679	Primary mediastinal large B-cell lymphoma	2	0	2
	9680	Diffuse large B-cell lymphoma, NOS	52	60	112
	9684	Plasmablastic lymphoma	1	1	2
	9687	Burkitt lymphoma, NOS	1	0	1
	9689	Splenic marginal zone B-cell lymphoma	0	2	2
	9690	Follicular lymphoma, NOS	1	2	3
	9691	Follicular lymphoma, grade 2	2	1	3
	9695	Follicular lymphoma, grade 1	3	4	7
	9698	Follicular lymphoma, grade 3	3	0	3
	9702	Peripheral T-cell lymphoma, NOS	4	3	7
	9708	Subcutaneous panniculitis-like T-cell lymphoma	2	1	3



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
	9709	Cutaneous T-cell lymphoma, NOS	1	0	1
	9714	Anaplastic large cell lymphoma, NOS	1	1	2
	9717	Intestinal T-cell lymphoma	1	1	2
	9719	Extranodal NK/T-cell lymphoma, nasal type	3	0	3
	9728	B-lymphoblastic lymphoma	1	0	1
	9729	T-lymphoblastic lymphoma	1	2	3
	9751	Langerhans cell histiocytosis, NOS	1	2	3
Malignant immunoproliferative diseases			6	4	10
(C88)	9699	Marginal zone B-cell lymphoma, NOS	6	4	10
Multiple myeloma			20	23	43
(C90)	9732	Multiple myeloma	20	22	42
	9734	Plasmacytoma	0	1	1
Lymphoid leukemia			21	12	33
(C91)	9823	Chronic lymphocytic leukemia	7	4	11
	9835	Acute lymphoblastic leukemia, NOS	11	7	18
	9837	T lymphoblastic leukemia	3	1	4
Myeloid leukemia			25	20	45
(C92-C94)	9861	Acute myeloid leukemia, NOS	16	14	30
	9863	Chronic myeloid leukemia, NOS	7	3	10
	9866	Acute promyelocytic leukemia, NOS	0	2	2
	9945	Chronic myelomonocytic leukemia, NOS	2	1	3
Leukemia unspecified			1	0	1
(C95)	9872	Acute myeloblastic leukemia	1	0	1
Myeloproliferative disorders			13	7	20
(D45, D47)	9950	Polycythemia vera	2	0	2
	9960	Chronic myeloproliferative disease, NOS	3	2	5
	9962	Essential thrombocythemia	8	5	13



PRIMARY SITE (ICD-10)	CODE	MORPHOLOGY	Male	Female	ALL
Myelodysplastic syndromes			3	3	6
(D46)	9989	Myelodysplastic syndrome, NOS	3	3	6
Other & unspecified			20	21	41
(C26, C39, C48, C76, C80)	8000	No microscopic confirmation, clinically malignant tumor	2	4	6
	8000	Malignancy	0	1	1
	8010	Carcinoma, NOS	3	1	4
	8020	Carcinoma, undifferentiated, NOS	2	0	2
	8070	Squamous cell carcinoma	6	1	7
	8071	Squamous cell carcinoma, keratinizing	1	0	1
	8140	Adenocarcinoma, NOS	4	6	10
	8246	Neuroendocrine carcinoma, NOS	0	1	1
	8260	Papillary carcinoma	1	0	1
	8441	Serous carcinoma, NOS	0	6	6
	8490	Signet ring cell adenocarcinoma	1	0	1
	8572	Carcinoma with spindle cell differentiation (carcinosarcoma, sarcomatoid carcinoma)	0	1	1

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.