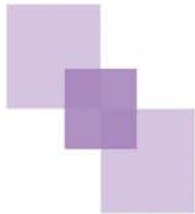


SONGKLANAGARIND HOSPITAL
FACULTY OF MEDICINE
PRINCE OF SONGKLA UNIVERSITY
HATYAI SONGKHLA
THAILAND



HOSPITAL-BASED CANCER REGISTRY

SONGKLANAGARIND HOSPITAL 2007



EDITED BY **PARADEE PRECHAWITTAYAKUL, B.Sc.**

SONGKLANAGARIND CANCER CENTER

<http://medinfo2.psu.ac.th/cancer>

HOSPITAL-BASED CANCER REGISTRY REPORT 2007

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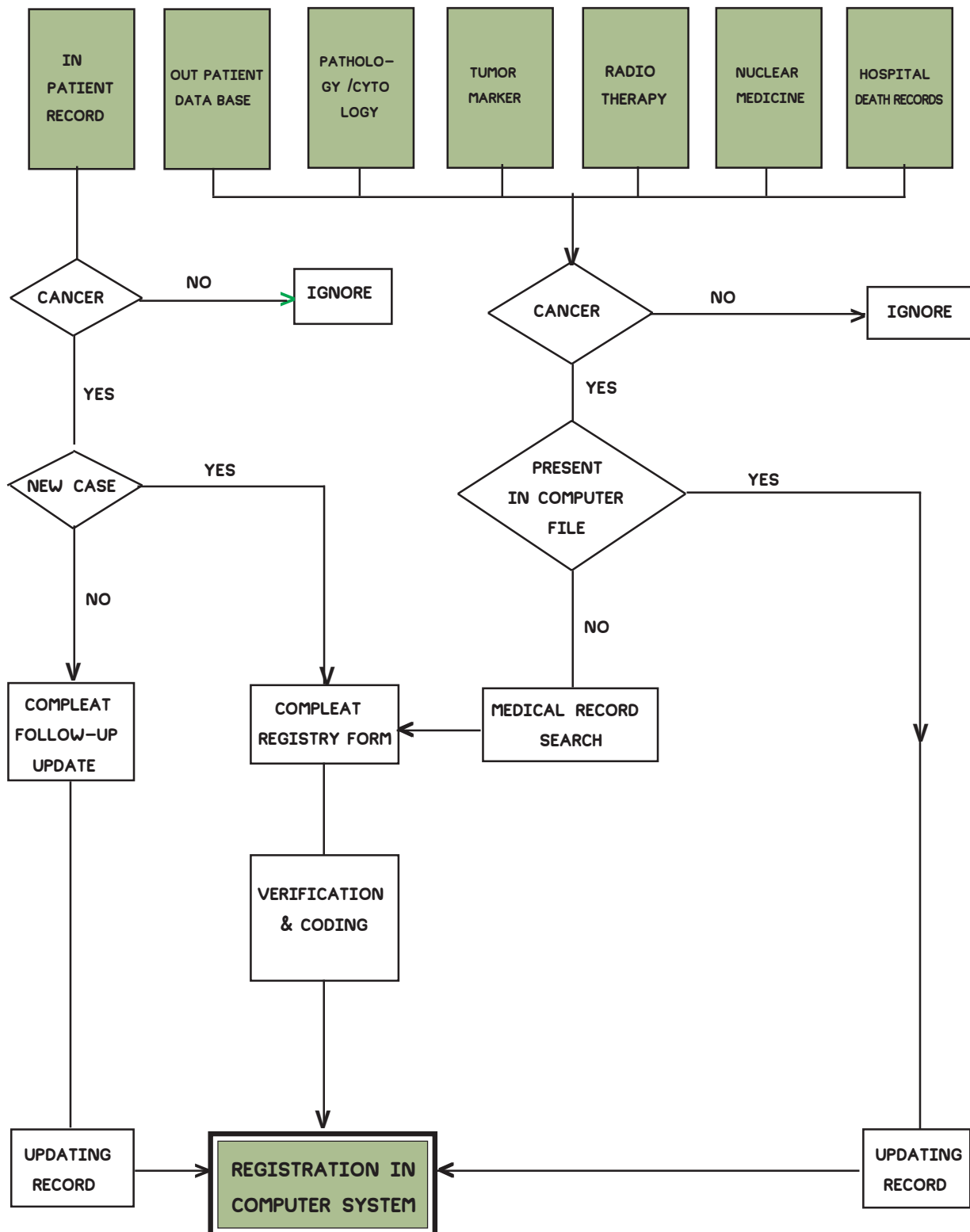
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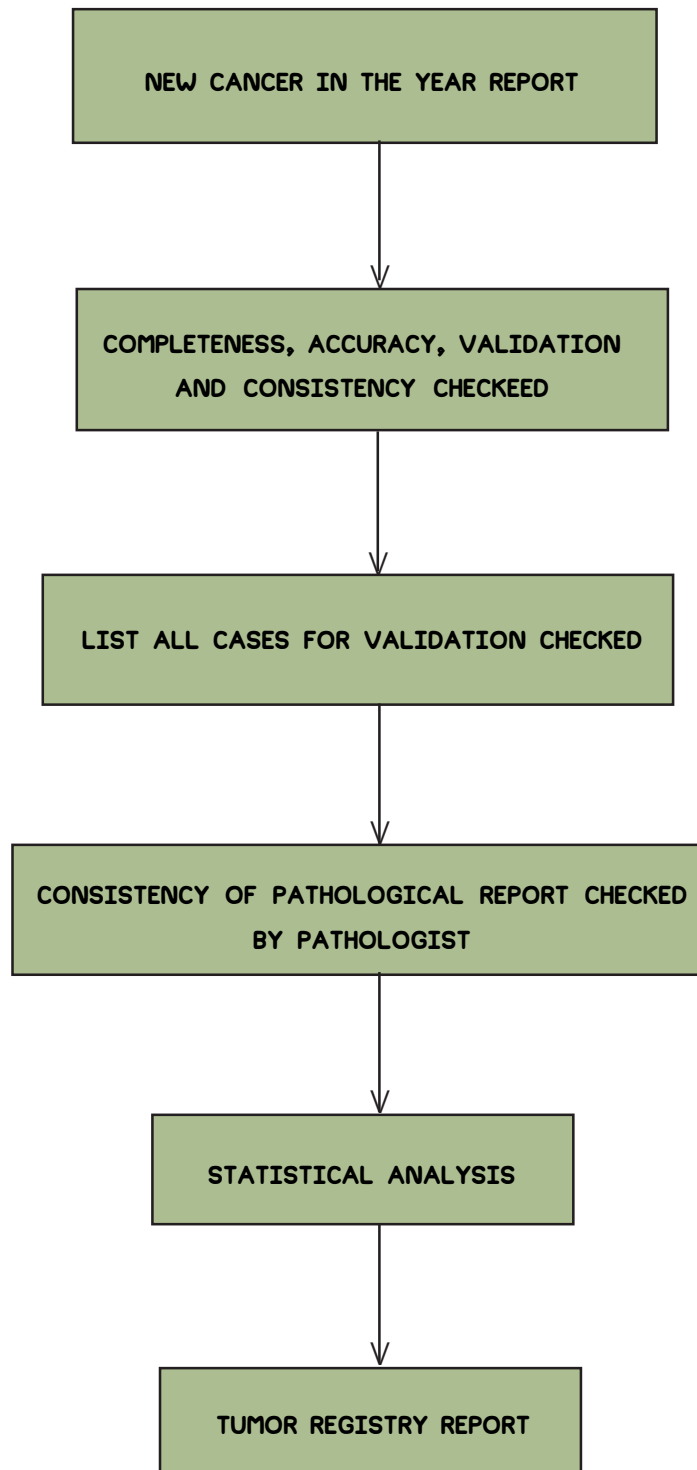


CANCER REGISTRY STAFF IN SONGKLANAGARIND CANCER CENTER

MISS PARADEE	PRECHAWITTAYAKUL	NURSE
MISS CHEAMCHIT	TASANAPITAK	NURSE
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MISS BENJAPORN	CHUMSEANG	REGISTRAR
MRS. RATTANA	SUWANNO	REGISTRAR
MISS WANDEE	SRITONGKAEW	REGISTRAR
MRS. PARICHAD	PANCHALERM	REGISTRAR
MRS. NAVARUT	NOPARAT	CLERK

FLOW CHART OF SONGKLANAGARIND HOSPITAL CANCER REGISTRY



**FLOW CHART OF TUMOR REGISTRY REPORT**

FOREWORD

This hospital-based cancer registry report 2007, is the first time it has been available on CD and allows management to review it conveniently. This report is presented at the level of the 3-character ICD-10 coding with groupings and short titles used in tables following the International Association of Cancer Registries (IACR) classifications and it has been prepared as accurately as possible. Monitoring data quality in a cancer registry is a continuous process which includes routine checks for validity and consistency. Our staff have attempted to measure data completeness from time to time. We would like to express our gratitude to Winyou Mitarnun from pathology department who has checked the consistency of the pathological reports.

4 A hospital-based cancer registry was considered for the Songklanagarind Cancer Center Committee for establishing responsibilities which are an integral part of patient care, for determining the need for cancer prevention programmes, serving the needs of the hospital administration, patient care evaluation studies and for providing consultative services directly to patients. we hope the data in this annual report will be useful for all those interested in cancer and cancer research.

k. thp.

Kreetha Thanasakumpee, M.D.

Chairman of the Cancer Center Committee 2008

Faculty of Medicine, Prince of Songkla University





SUMMARY

From January to December 2007, there were 41,842 new patients who attended Songklanagarind Hospital of which 4,722 cases (11.3%) were cancer patients. Males accounted for 2,417 cancer cases (51.2%). The three most common sites in both sexes were the lungs (534 cases, 11.3%), liver [396 cases, 8.4%] and breast (375 cases, 7.9%). The three most common primary sites in male patients were the lungs (16.2%), liver (12.6%) and oral cavity (7.7%). The three most common primary sites in females were breast (16.1%), uterine cervix (15.6%), and thyroid (8.1%). Additionally, there were 137 cases (2.9%) of childhood malignancy of which the most common type was leukemia.

The percentage of histologically confirmed incidences was 78.1% in males and 86.9% in females. The three most common provinces of residence were Songkhla, Nakhon Si Thammarat and Pattalung.



HOSPITAL-BASED CANCER REGISTRY 2007

TABLE 1: NUMBER OF PATIENTS IN SONGKANAGARIND HOSPITAL

TYPE OF PATIENTS	NUMBER OF CASES
Total patients at OPD	811,131
Total new patients	41,642
Total new cancer patients	4,722

The new cancer cases comprised 11.34 percent of all new patient. 63.3 percent of new cancers were referred from other hospitals and private clinics, 16.3 percent of referred cases had received initial treatment and 46.4 percent of new cancers were admitted in hospital.

FIGURE 1: TREND OF NEW CANCER CASES IN SONGKANAGARIND HOSPITAL

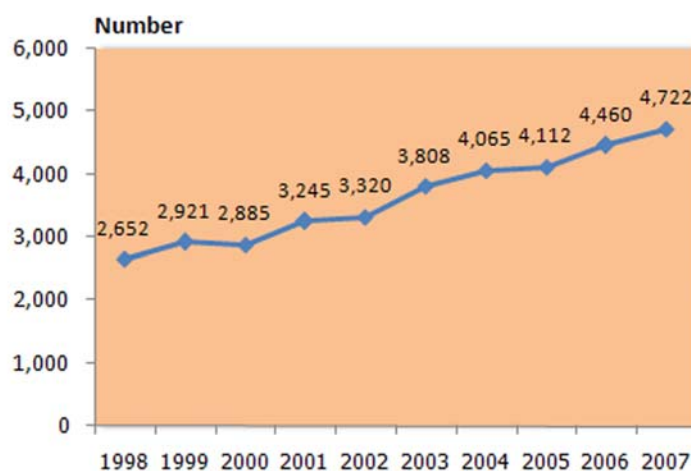


FIGURE 2: TREND OF NEW CANCER CASES AS A PERCENTAGE OF NEW PATIENTS

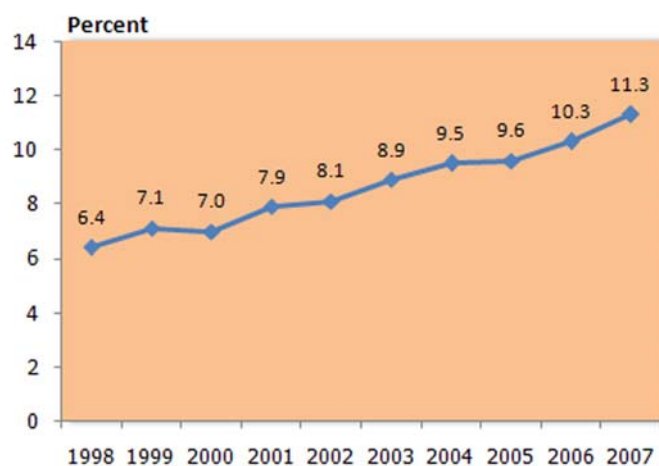




FIGURE 3: NUMBER OF CANCERS DISTRIBUTION BY MONTH: FIVE YEARS

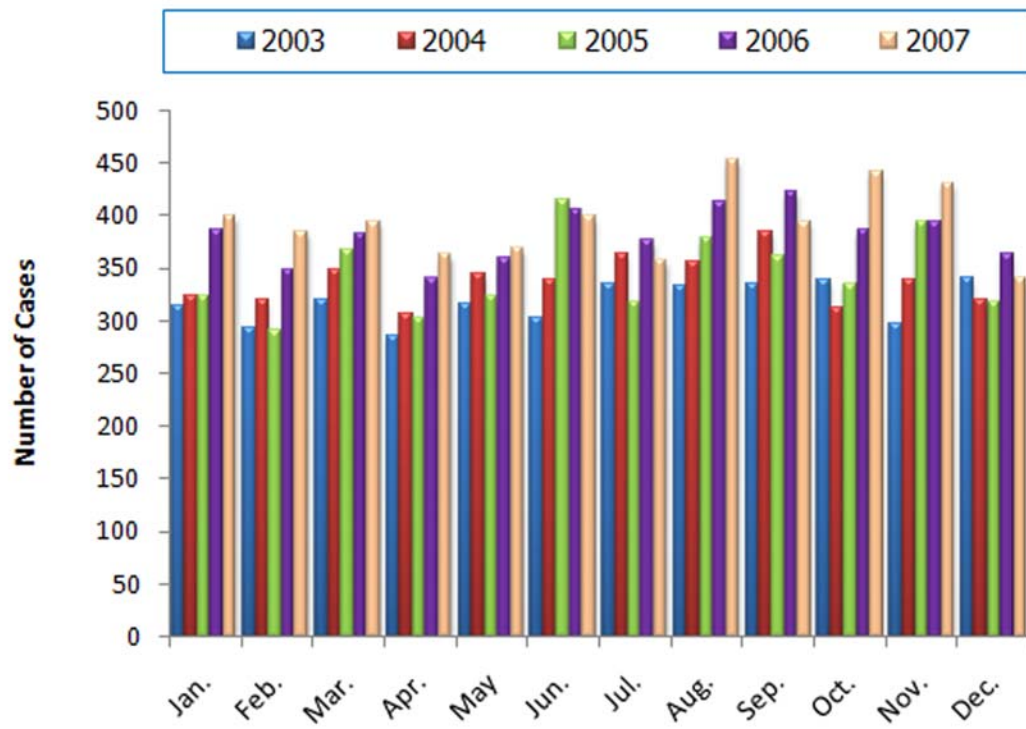


FIGURE 4: DISTRIBUTION OF 10 LEADING CANCERS ACCORDING TO LENGTH OF STAY: MEAN

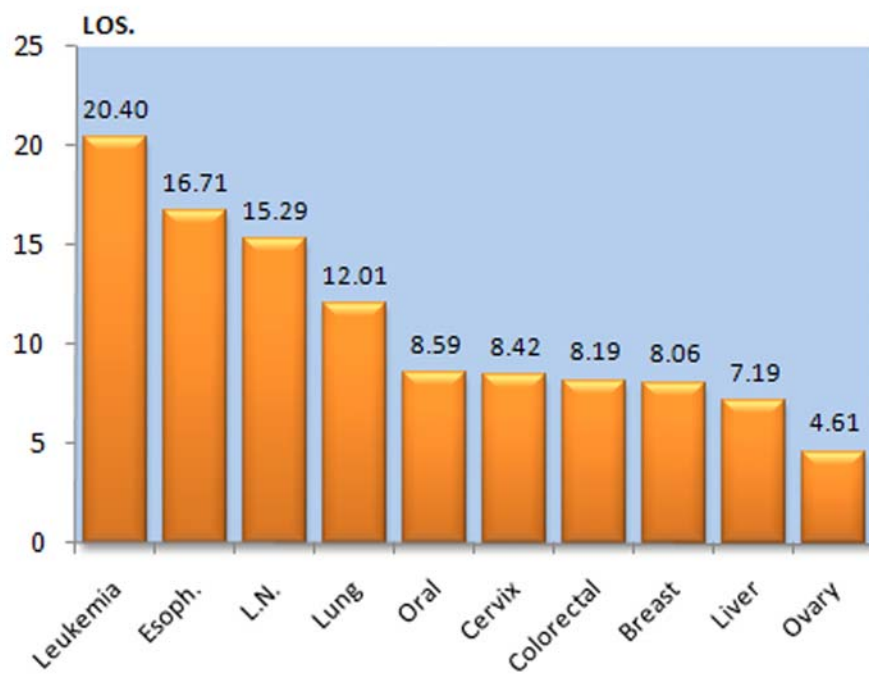


TABLE 2: DISTRIBUTION OF PATIENT PAYMENT USED

	NUMBER	PERCENT
Universal Coverage	3,206	67.9
Government/State Enterprise	822	17.4
Cash	163	3.5
Social Security	30	0.6
Others	501	10.6
TOTAL	4,722	100.0

FIGURE 5: PERCENTAGE OF PATIENT PAYMENT USED

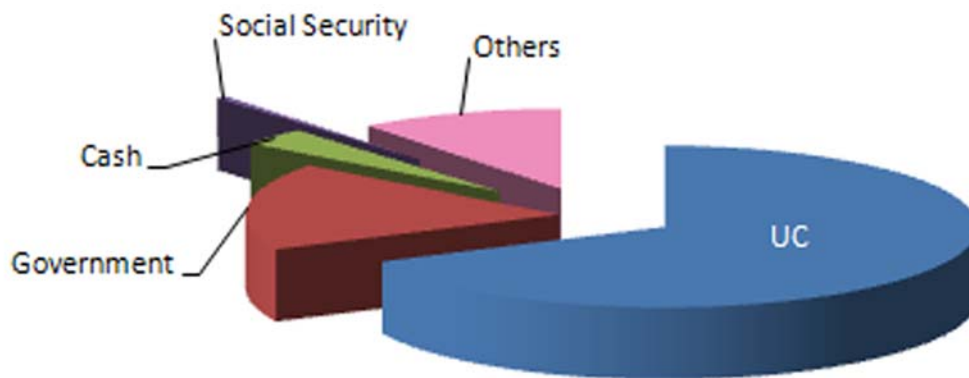


TABLE 3: DISTRIBUTION OF REFERRAL HOSPITAL

	NUMBER	PERCENT
Government Hospital in southern Area.	2,635	88.2
Private Hospital or Private cClinic in Southern Area.	231	7.7
Hospital in Bangkok.	96	3.2
Government Hospital from Other Area.	17	0.6
Hospital from other country	7	0.2
Not specified.	3	0.1
TOTAL	2,989	100.0



FIGURE 6: DISTRIBUTION OF REFERRAL HOSPITALS

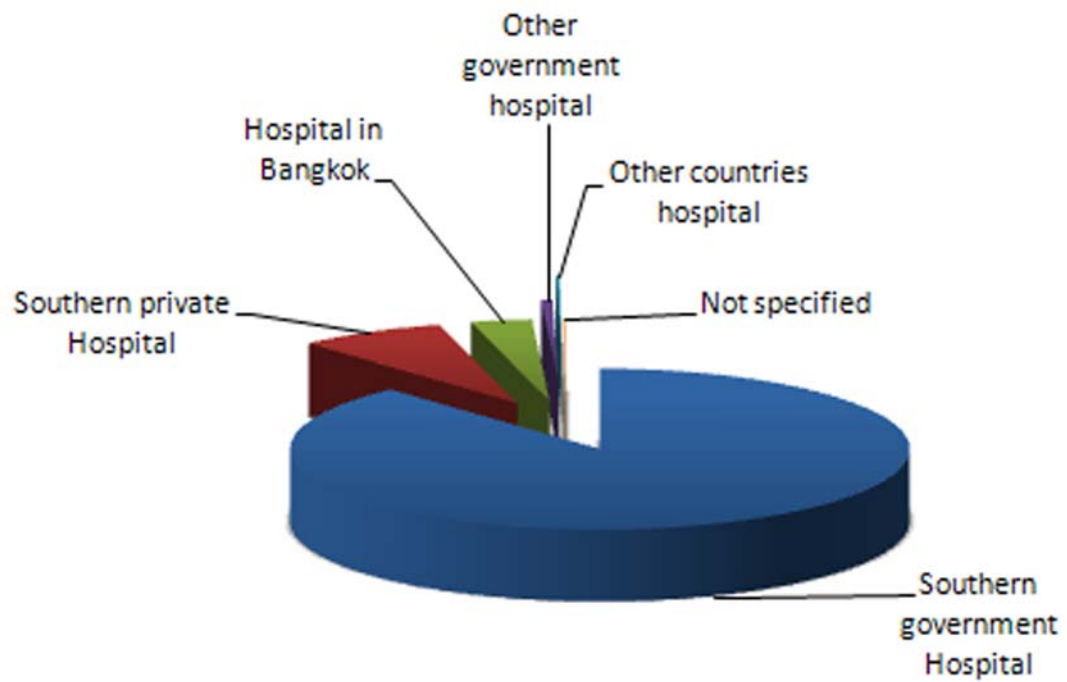


FIGURE 7: DISTRIBUTION OF RELIGION IN CANCER PATIENTS: PERCENT

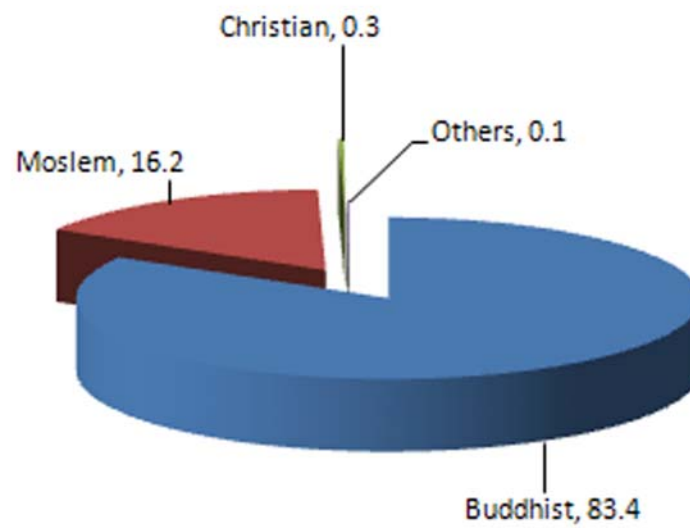


TABLE 4: DISTRIBUTION OF ALL CANCERS BY AGE AND SEX

AGE GROUP	MALE		FEMALE		TOTAL	
	NO.	% OF ALL CANCER	NO.	% OF ALL CANCER	NO.	%
0-	38	0.8	26	0.6	64	1.4
5-	25	0.5	12	0.3	37	0.8
10-	19	0.4	18	0.4	37	0.8
15-	24	0.5	26	0.6	50	1.1
20-	23	0.5	27	0.6	50	1.1
25-	33	0.7	47	1.0	80	1.7
30-	47	1.0	93	2.0	140	3.0
35-	72	1.5	156	3.3	228	4.8
40-	124	2.6	233	4.9	357	7.6
45-	191	4.0	271	5.7	462	9.8
50-	243	5.1	278	5.9	521	11.0
55-	255	5.4	267	5.7	522	11.1
60-	307	6.5	192	4.1	499	10.6
65-	317	6.7	191	4.0	508	10.8
70-	268	5.7	185	3.9	453	9.6
75-	242	5.1	150	3.2	392	8.3
80-	120	2.5	87	1.8	207	4.4
85+	69	1.5	46	1.0	115	2.4
	2,417	51.2	2,305	48.8	4,722	100.0

FIGURE 8: AGE DISTRIBUTION OF ALL MALIGNANCIES

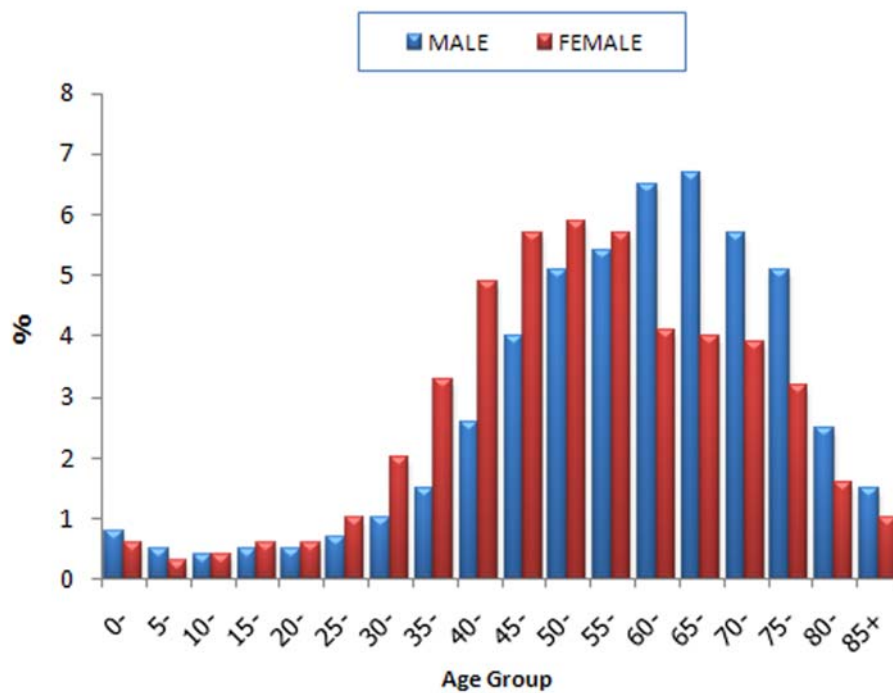




TABLE 5: DISTRIBUTION OF CASES ACCORDING TO METHOD OF DIAGNOSIS

METHOD OF DIAGNOSIS	MALE		FEMALE	
	NO.	% IN MALES	NO.	% IN FEMALES
Clinical only	20	0.8	19	0.8
Clinical investigation and imaging	265	11.0	141	6.1
Surgery without histology	6	0.2	4	0.2
Specific biochemistry	117	4.8	38	1.6
Cytology or hematology	67	2.8	62	2.7
Histology of metastasis	54	2.2	37	1.6
Histology of primary	1,888	78.1	2,004	86.9
TOTAL	2,417	100.0	2,305	100.0

FIGURE 9: METHOD OF DIAGNOSIS.

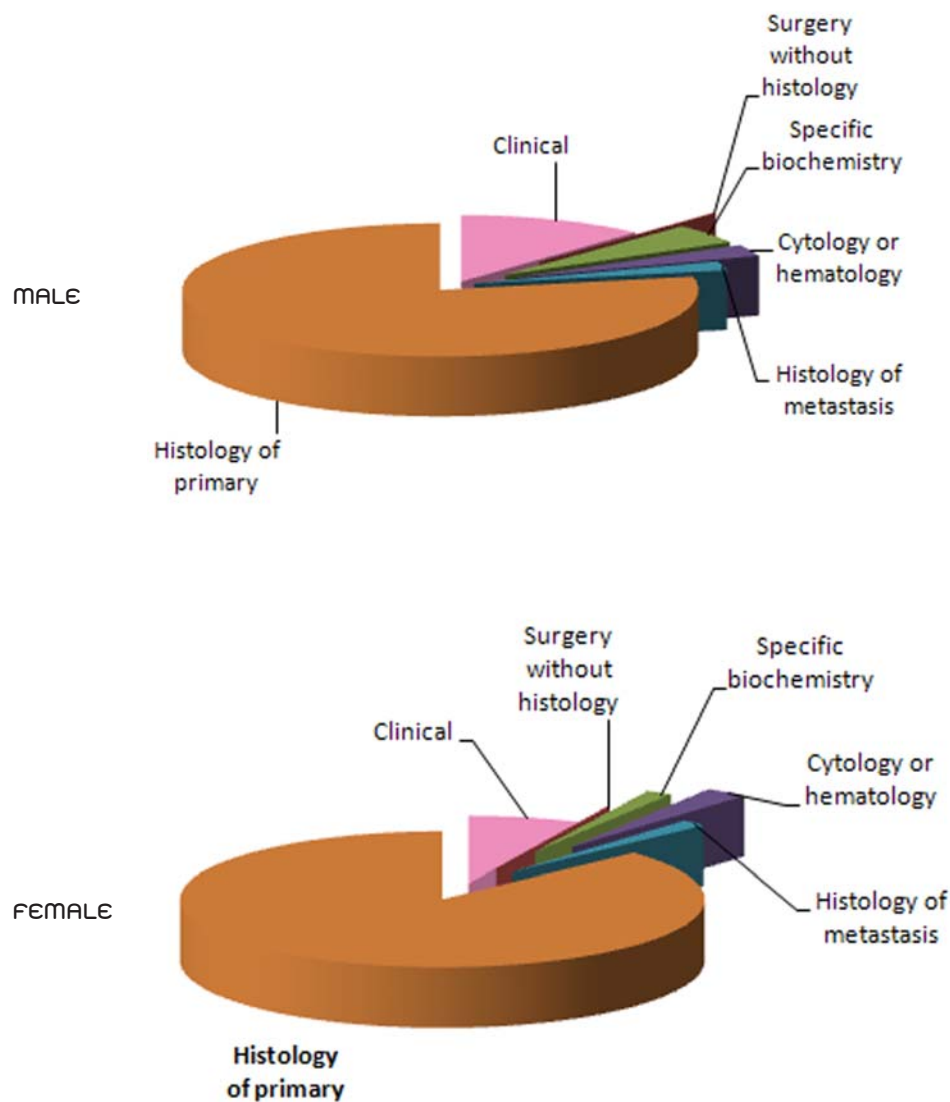


TABLE 6: DISTRIBUTION OF PATIENTS ACCORDING TO TYPE OF TREATMENT

TYPE OF TREATMENT	MALE		FEMALE	
	NO.	% IN MALES	NO.	% IN FEMALES
Surgery	199	8.2	204	8.9
Radiotherapy	333	13.8	372	16.1
Chemotherapy/hormonal therapy	410	17.0	323	14.0
Surgery + radiotherapy	141	5.8	148	6.4
Surgery + Chemotherapy/hormonal therapy	75	3.1	211	9.2
Radiotherapy + Chemotherapy/hormonal therapy	292	12.1	316	13.7
Surgery + radiotherapy + Chemotherapy	68	2.8	146	6.3
Best supportive care	899	37.2	585	25.4
TOTAL	2,417	100.0	2,305	100.0

FIGURE 10: TYPE OF TREATMENT.

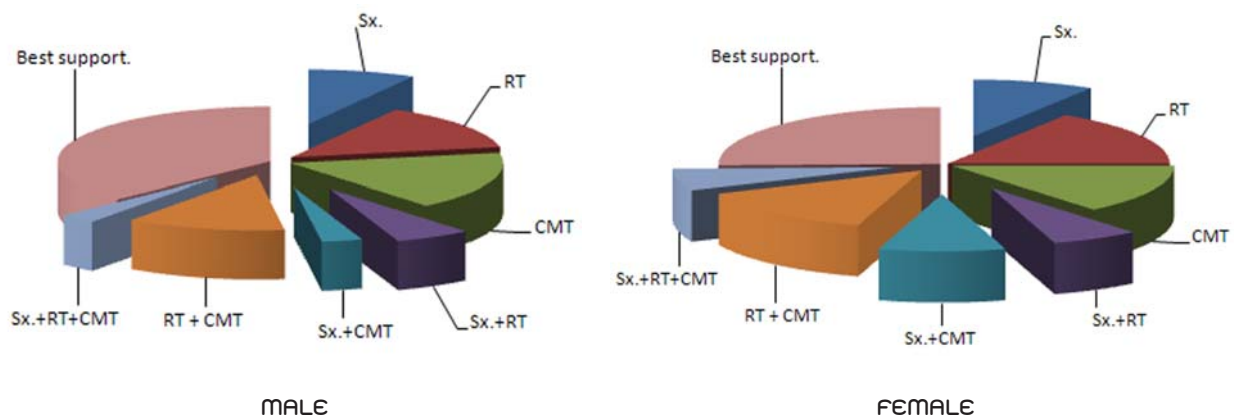


FIGURE 11: TEN-YEAR TRENDS OF CANCER TREATMENT

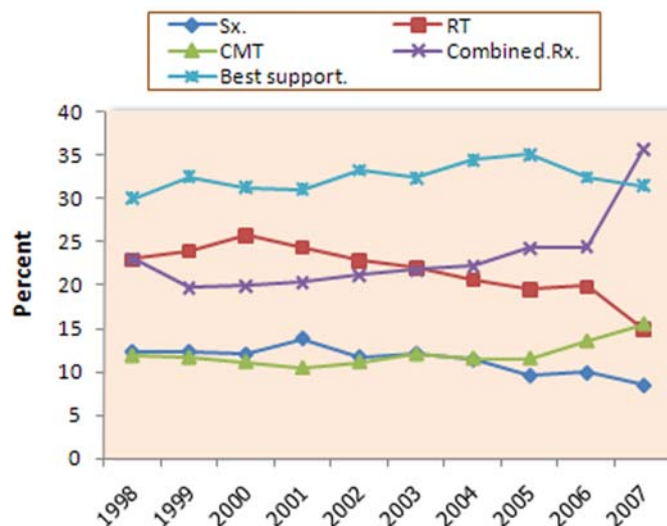




FIGURE 12: TEN-YEAR TRENDS OF TREATMENT TYPES

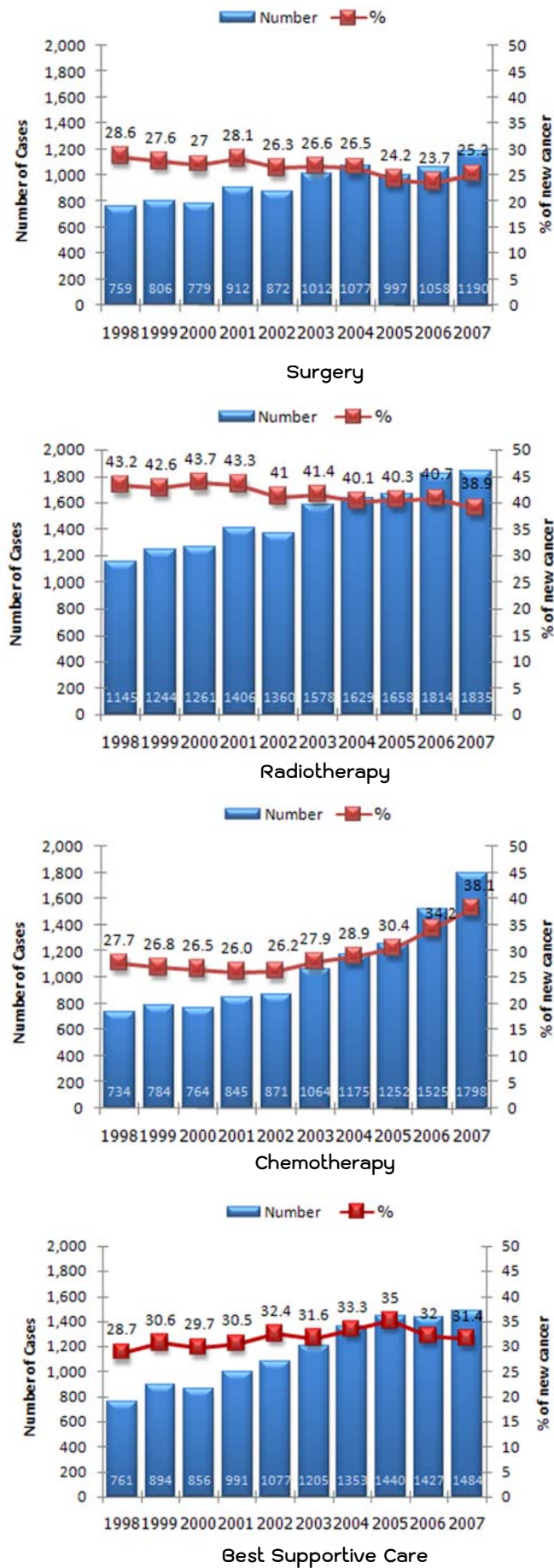


TABLE 7: THE 10 LEADING SITES OF CANCER IN MALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN MALES
C33-C34	Trachea, bronchus and lung	393	16.3
C22	Liver	305	12.6
C01-06	Oral cavity	186	7.7
C82-C85, C96	Non-Hodgkin lymphoma	173	7.2
C18-20	Colon & rectum	158	6.5
C15	Esophagus	123	5.1
C91-C95	Leukaemia	115	4.8
C67	Bladder	80	3.3
C61	Prostate gland	77	3.2
C32	Larynx	68	2.8

FIGURE 13: THE 10 LEADING SITES OF CANCER IN MALES

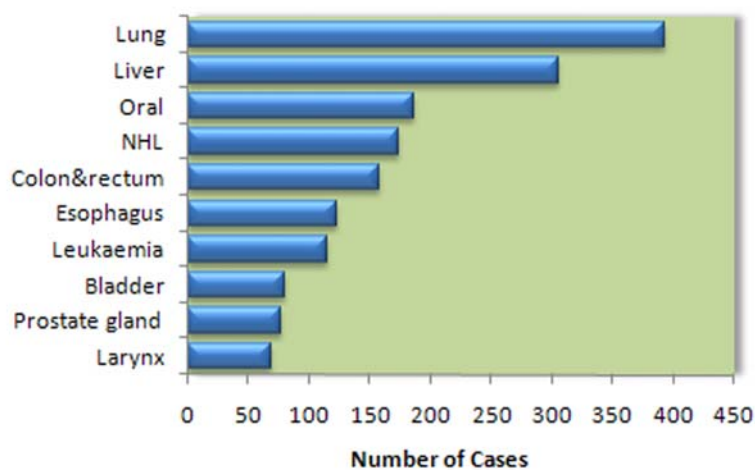


FIGURE 14: TRENDS OF FIVE LEADING SITES IN MALES: NUMBER OF CASES AND PERCENT

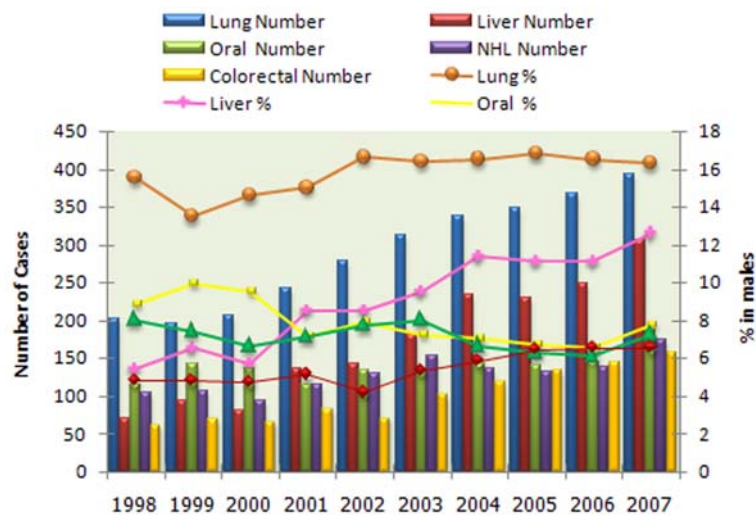




TABLE 8: THE 10 LEADING SITES OF CANCER IN FEMALES

ICD-10	PRIMARY SITE (Short title used)	NO.	% IN FEMALES
C50	Breast	371	16.1
C53	Cervix uteri (excluding in situ)	359	15.6
C73	Thyroid	187	8.1
C56	Ovary	151	6.6
C34	Trachea, bronchus and lung	141	6.1
C82-C85, C96	Non-Hodgkin lymphoma	124	5.4
C18-20	Colon & rectum	122	5.3
C54	Endometrium	117	5.1
C90-C95	Leukaemia	117	5.1
C22	Liver	91	3.9

FIGURE 15: THE 10 LEADING SITES OF CANCER IN FEMALES

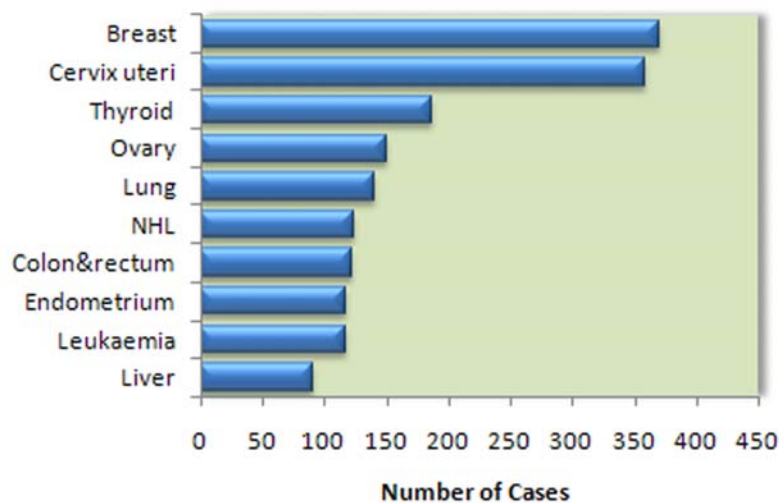


FIGURE 16: TRENDS OF FIVE LEADING SITES IN FEMALES: NUMBER OF CASES AND PERCENT

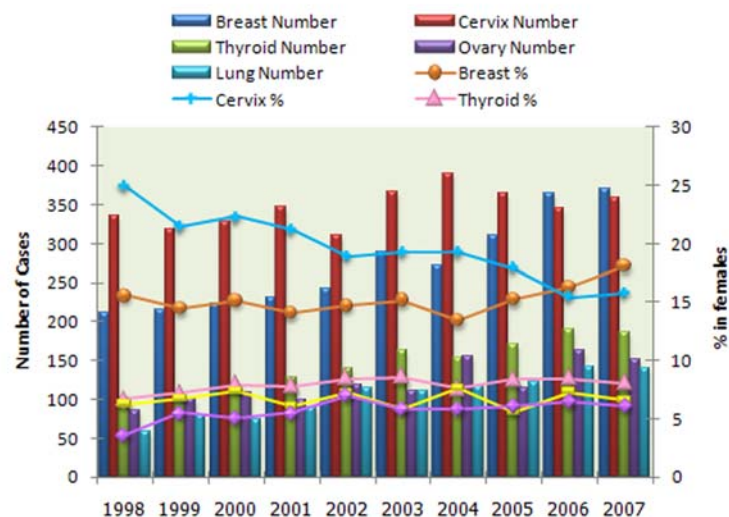


TABLE 9: THE 10 LEADING SITES OF CANCER IN BOTH SEXES

CODE	PRIMARY SITE (Short title used)	NO.	% OF ALL CANCER
C34	Bronchus and lung	534	11.3
C22	Liver	396	8.4
C50	Breast (including male breast)	375	7.9
C53	Cervix uteri (excluding in situ)	359	7.6
C82-C85, C96	Non-Hodgkin lymphoma	293	6.2
C18-20	Colon & rectum	280	5.9
C01-06	Oral cavity	260	5.5
C73	Thyroid	240	5.1
C91-C95	Leukaemia	204	4.3
C15	Esophagus	151	3.2
C56	Ovary	151	3.2

FIGURE 17: THE 10 LEADING SITES OF CANCER IN BOTH SEXES

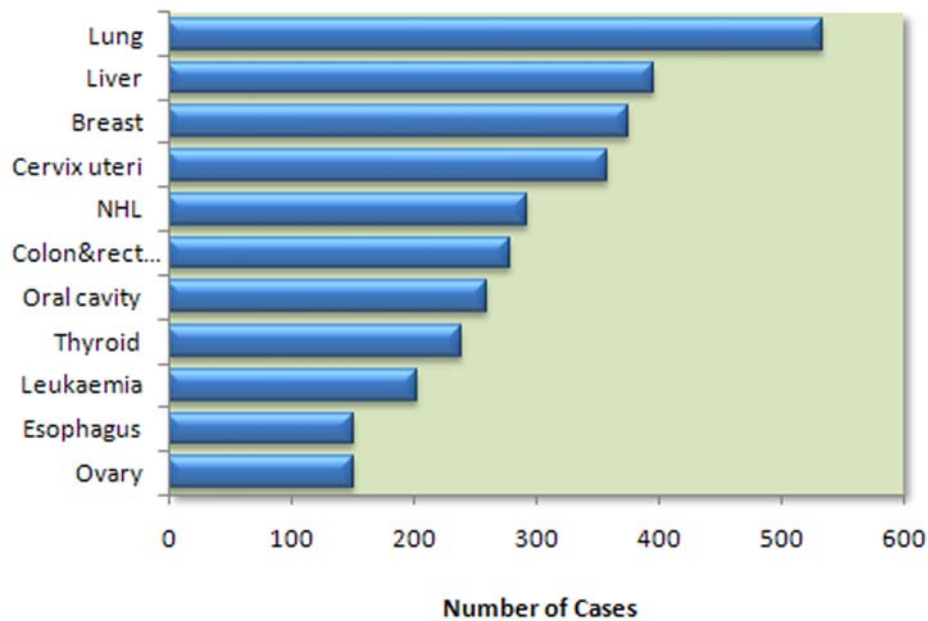


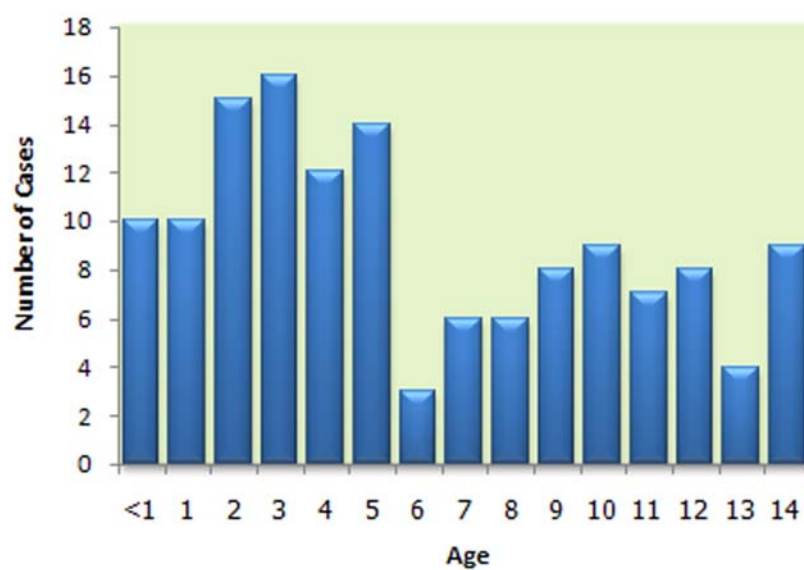


TABLE 10: MALIGNANCY IN CHILDHOOD (AGE 0-14 YEARS)*

SITE GROUP		NO.	%
I	Leukemias	48	35.0
II	Lymphomas	30	21.9
III	CNS tumors	14	10.2
IV	Neuroblastoma	7	5.1
V	Retinoblastoma	4	2.9
VI	Renal tumors	5	3.6
VII	Hepatic tumors	4	2.9
VIII	Malignant bone tumors	3	2.2
IX	Soft tissue sarcomas	4	2.9
X	Germ cell tumors	5	3.6
XI	Carcinomas	5	3.6
XII	Other and NOS.	8	5.8
		137	100.0

The malignancy in childhood was 2.9% of all new cancer patients.

FIGURE 18: AGE DISTRIBUTION OF ALL MALIGNANCIES IN CHILDHOOD



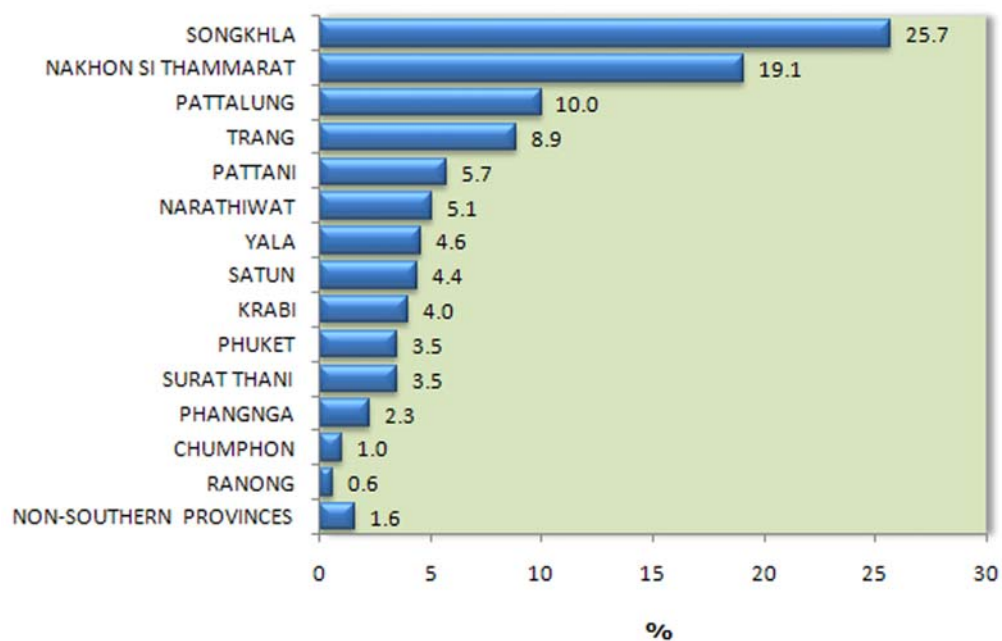
* Coding based on International Classification of Childhood Cancer, Third edition (ICCC-3)

TABLE 11: CANCER CASES BY PROVINCE OF RESIDENCE

AREA	NUMBER	%
CHUMPHON	48	1.0
RANONG	27	0.6
SURAT THANI	166	3.5
PHANGNGA	107	2.3
KRABI	188	4.0
NAKHON SI THAMMARAT	904	19.1
PHUKET	167	3.5
TRANG	422	8.9
PATTALUNG	471	10.0
SONGKHLA	1213	25.7
SATUN	209	4.4
PATTANI	267	5.7
YALA	217	4.6
NARATHIWAT	239	5.1
NON-SOUTHERN PROVINCES	77	1.6
TOTAL	4,722	100.0



FIGURE 19: PERCENTAGE OF PATIENT BY RESIDENCE





INTERESTING CANCERS

ORAL CAVITY CANCER

ICD-10 C01-C06

TABLE 12: METHODS OF DIAGNOSIS

	MALE	FEMALE	TOTAL	%
Clinical only	2	-	2	0.8
Cytology	1	1	2	0.8
Histology of primary	183	73	256	98.4
TOTAL	186	74	260	100.0

FIGURE 20: DISTRIBUTION OF SUBSITES IN BOTH SEXES

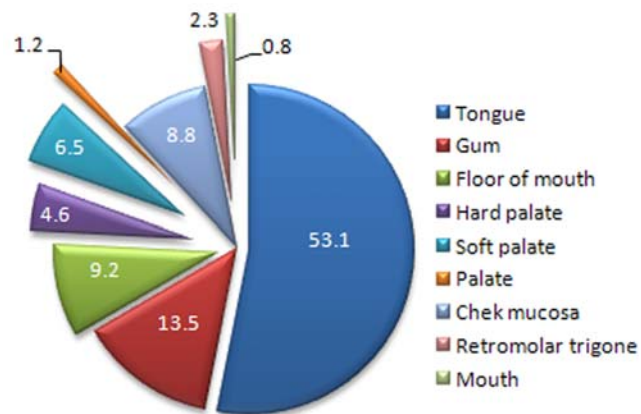


FIGURE 21: AGE DISTRIBUTION

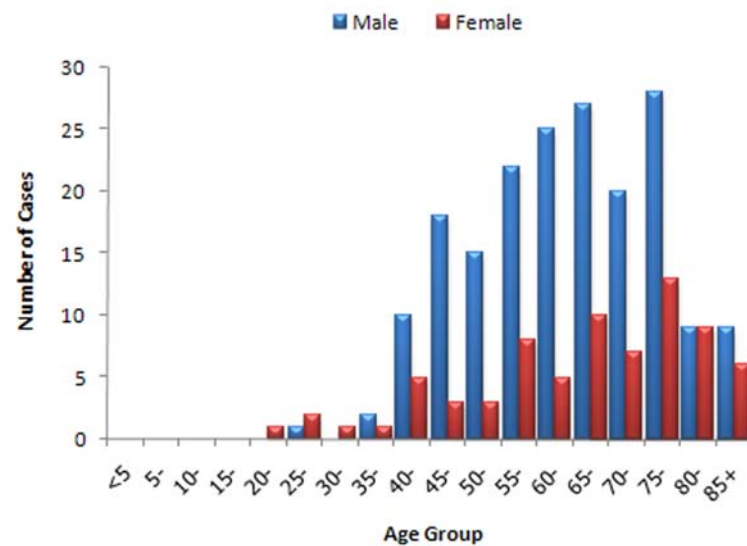


TABLE 13: STAGING

	MALE	FEMALE	TOTAL	%
Stage I	15	5	20	7.7
Stage II	37	14	51	19.6
Stage III	41	7	48	18.5
Stage IV	73	30	103	39.6
Not specified	20	18	38	14.6
TOTAL	186	74	260	100.0

TABLE 14: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	10	5	15	5.8
Radiotherapy	72	23	95	36.5
Surgery + radiotherapy	32	18	50	19.2
Radiotherapy + chemotherapy	24	-	24	9.2
Surgery + radiotherapy + chemotherapy	2	4	6	2.3
Best supportive care	46	24	70	26.9
TOTAL	186	74	260	100.0



ESOPHAGEAL CANCER

ICD-10 C15

TABLE 15: METHODS OF DIAGNOSIS

	MALE	FEMALE	TOTAL	%
Clinical only	1	-	1	0.7
Clinical investigation	10	1	11	7.3
Cyiology	1	-	1	0.7
Histology of primary	111	27	138	91.4
TOTAL	123	28	151	100.0

FIGURE 22: DISTRIBUTION OF SUBSITES IN BOTH SEXES

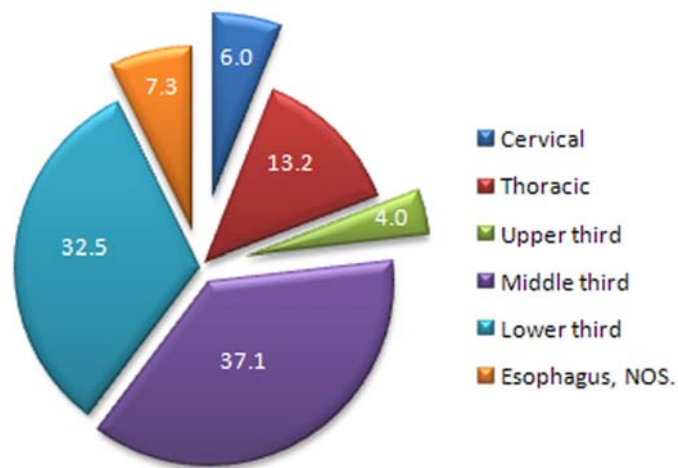


FIGURE 23: AGE DISTRIBUTION

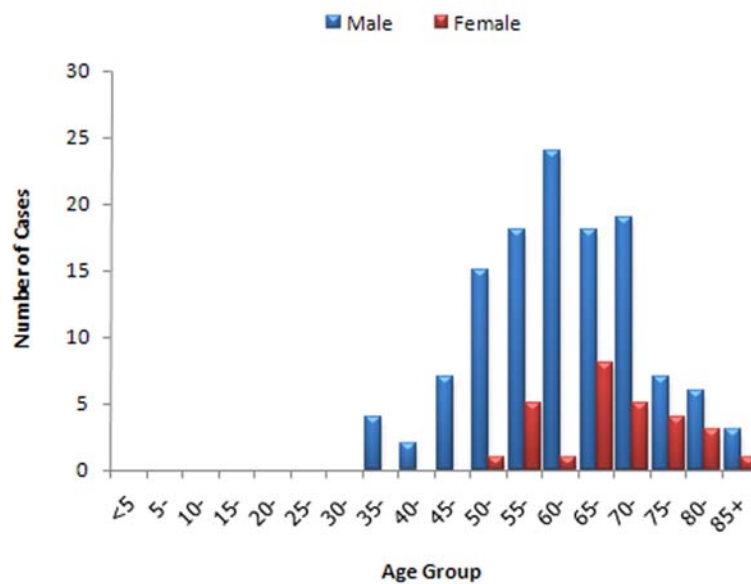


TABLE 16: STAGING

	MALE	FEMALE	TOTAL	%
Stage I	1	-	1	0.7
Stage II	17	3	20	13.2
Stage III	20	4	24	15.9
Stage IV	34	4	38	25.2
Not specified	51	17	68	45.0
TOTAL	123	28	151	100.0

TABLE 17: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	3	-	3	2.0
Radiotherapy	25	4	29	19.2
Chemotherapy	1	1	2	1.3
Surgery + radiotherapy	9	4	13	8.6
Radiotherapy + chemotherapy	43	5	48	31.8
Surgery + radiotherapy + chemotherapy	3	1	4	2.6
Best supportive care	39	13	52	34.4
TOTAL	123	28	151	100.0



COLON & RECTUM CANCER

ICD-10 C18-20

TABLE 18: METHODS OF DIAGNOSIS

	MALE	FEMALE	TOTAL	%
Clinical only	1	-	1	0.4
Clinical investigation	6	4	10	3.6
Specific biochemistry	1	-	1	0.4
Histology of primary	150	118	268	95.7
TOTAL	158	122	280	100.0

FIGURE 24: DISTRIBUTION OF SUBSITES IN BOTH SEXES

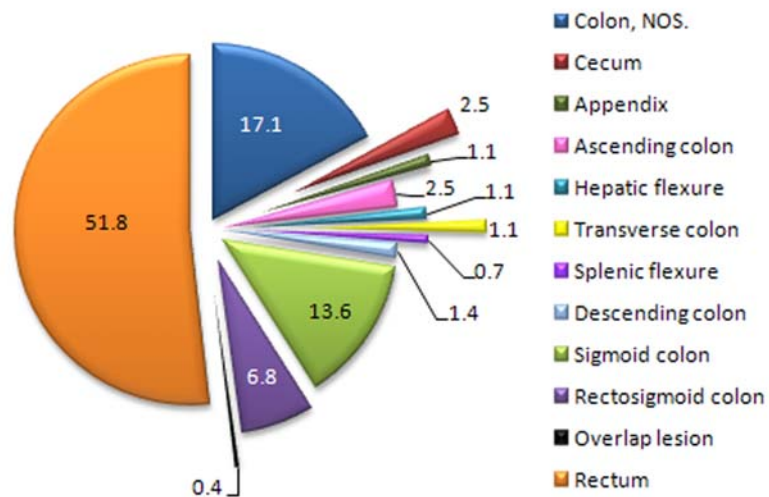


FIGURE 25: AGE DISTRIBUTION

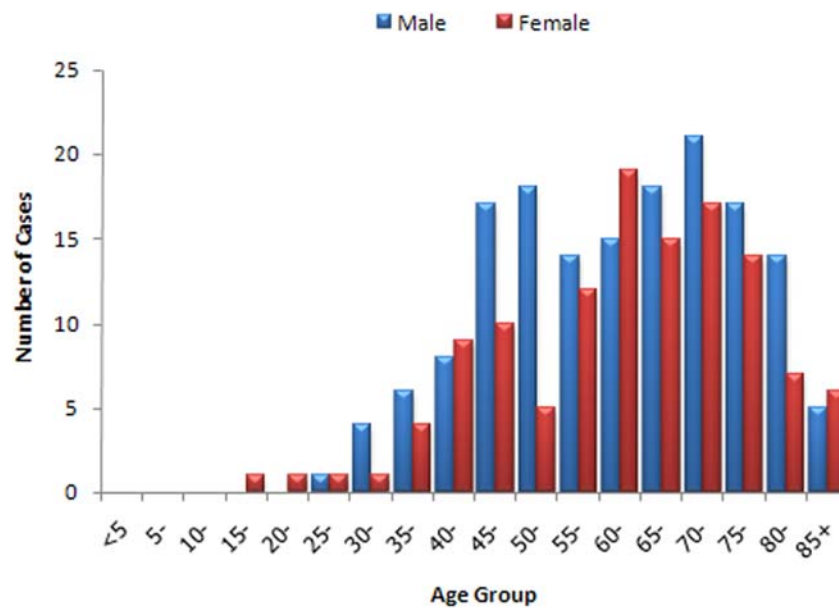


TABLE 19: STAGING

	MALE	FEMALE	TOTAL	%
Stage I	6	2	8	2.8
Stage II	10	4	14	5.0
Stage IIa	25	12	37	13.2
Stage IIb	8	10	18	6.4
Stage III	16	20	36	12.9
Stage IIIa	1	6	7	2.5
Stage IIIb	15	14	29	10.3
Stage IIIc	7	10	17	6.1
Stage IV	35	29	64	22.9
Not specified	35	15	50	17.9
TOTAL	158	122	280	100.0

TABLE 20: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	28	15	43	15.4
Radiotherapy	5	2	7	2.5
Chemotherapy	24	14	38	13.6
Surgery + radiotherapy	2	1	3	1.1
Surgery + chemotherapy	28	25	53	18.9
Radiotherapy + chemotherapy	7	12	19	6.8
Surgery + radiotherapy + chemotherapy	22	21	43	15.4
Best supportive care	42	32	74	26.4
TOTAL	158	122	280	100.0

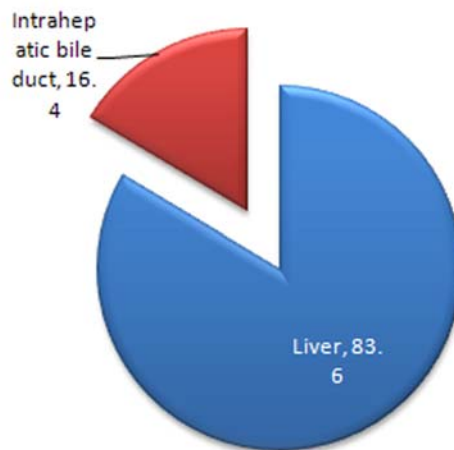
**LIVER CANCER**

ICD-10 C22

TABLE 21: METHODS OF DIAGNOSIS

	MALE	FEMALE	TOTAL	%
Clinical only	1	-	1	0.3
Clinical investigation	132	45	177	44.7
Specific biochemistry	106	26	132	33.3
Cytology only	2	-	2	0.5
Histology of primary	64	20	84	21.2
TOTAL	305	91	396	100.0

FIGURE 26: DISTRIBUTION OF SUBSITES IN BOTH SEXES



25

FIGURE 27: AGE DISTRIBUTION

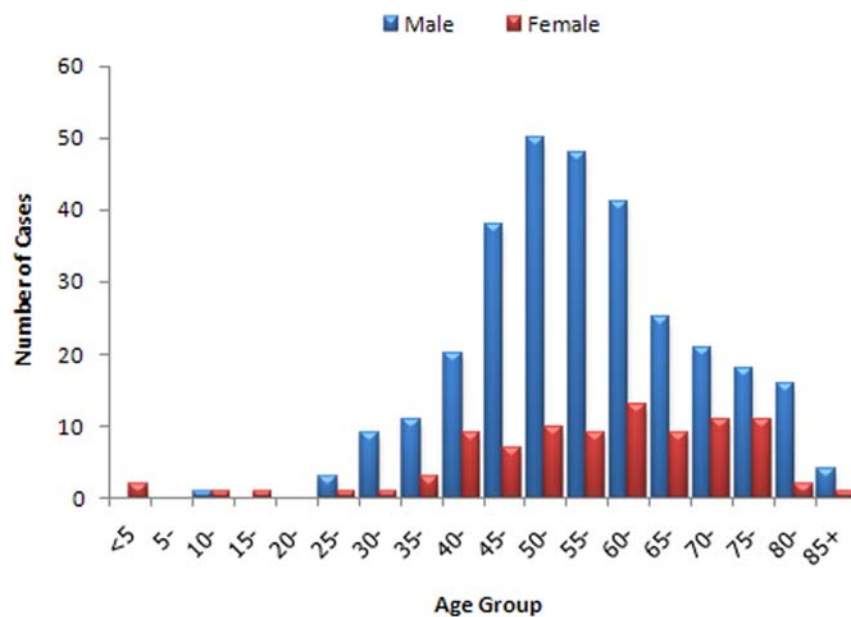


TABLE 22: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	1	2	3	0.7
Radiotherapy	1	-	1	0.3
Chemotherapy	66	15	81	20.5
Surgery + chemotherapy	1	2	3	0.7
Radiotherapy + chemotherapy	2	-	2	0.5
Best supportive care	234	72	306	77.3
TOTAL	305	91	396	100.0

**LUNG CANCER**

ICD-10 C33-C34

TABLE 23: METHODS OF DIAGNOSIS

	MALE	FEMALE	TOTAL	%
Clinical investigation	43	14	57	10.7
Surgery without histology	1	-	1	0.2
Cytology only	21	15	36	6.7
Histology of primary	328	112	440	82.4
TOTAL	393	141	534	100.0

FIGURE 28: DISTRIBUTION OF SUBSITES AND SIDES IN BOTH SEXES

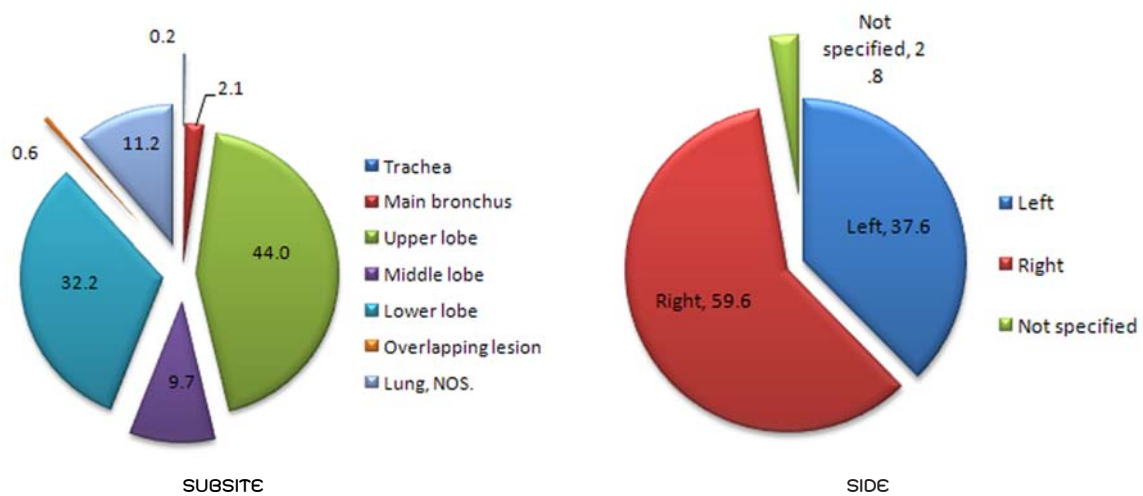


FIGURE 29: AGE DISTRIBUTION

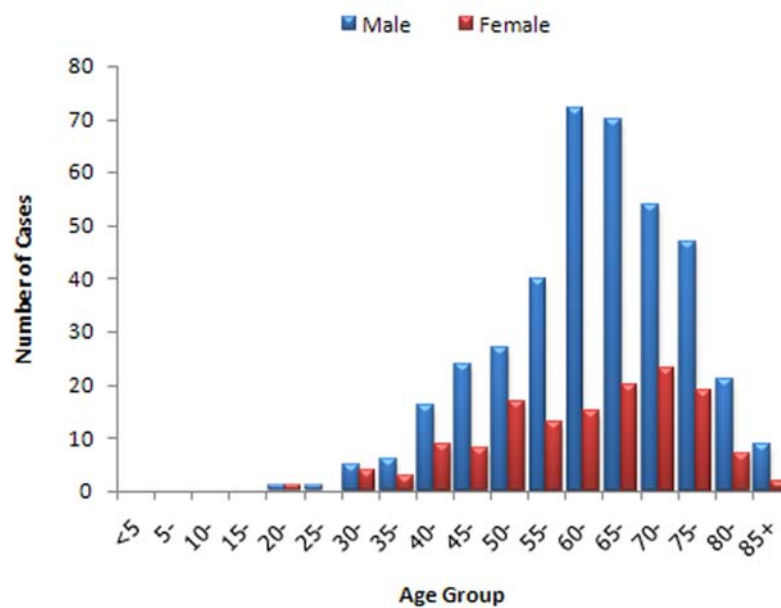


TABLE 24: STAGING

	MALE	FEMALE	TOTAL	%
Stage I	1	-	1	0.2
Stage Ia	1	2	3	0.6
Stage Ib	9	3	12	2.2
Stage II	3	-	3	0.6
Stage IIa	2	-	2	0.4
Stage IIb	4	-	4	0.7
Stage III	2	1	3	0.6
Stage IIIa	27	11	38	7.1
Stage IIIb	127	47	174	32.6
Stage IV	168	66	234	43.8
Stage IVb	2	1	3	0.6
Not specified	47	10	57	10.7
TOTAL	393	141	534	100.0

TABLE 25: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	6	7	13	2.4
Radiotherapy	38	10	48	9.0
Chemotherapy	100	40	140	26.2
Surgery + radiotherapy	4	1	5	0.9
Surgery + chemotherapy	10	1	11	2.1
Radiotherapy + chemotherapy	70	24	94	17.6
Surgery + radiotherapy + chemotherapy	4	2	6	1.1
Best supportive care	161	56	217	40.6
TOTAL	393	141	534	100.0



BREAST CANCER

ICD-10 C50

TABLE 26: METHODS OF DIAGNOSIS

	FEMALE	MALE	TOTAL	%
Clinical only	3	-	3	0.8
Clinical investigation	2	-	2	0.5
Surgery without histology	2	-	2	0.5
Cytology	2	-	2	0.5
Histology of primary	362	4	366	97.6
TOTAL	371	4	375	100.0

FIGURE 30: DISTRIBUTION OF SUBSITES, SIDES AND MARITAL STATUS IN FEMALES

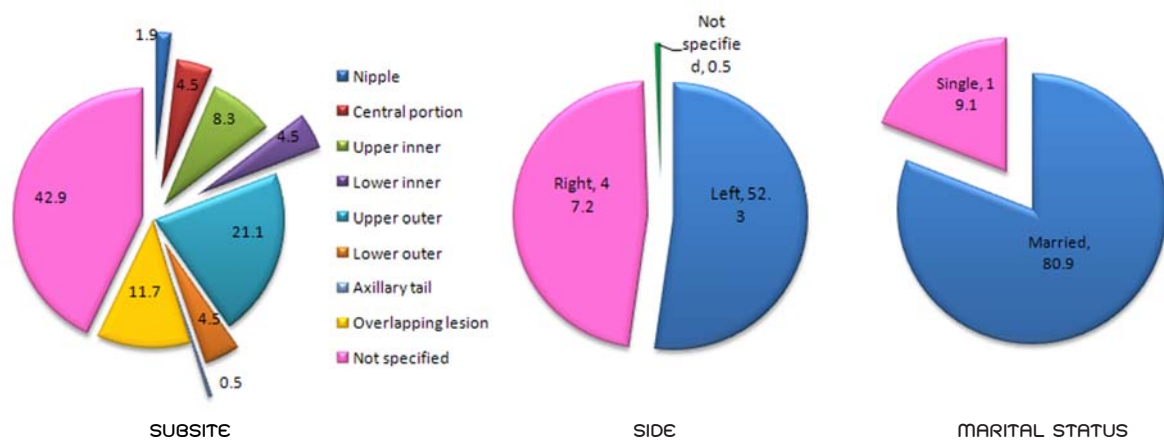


FIGURE 31: AGE DISTRIBUTION

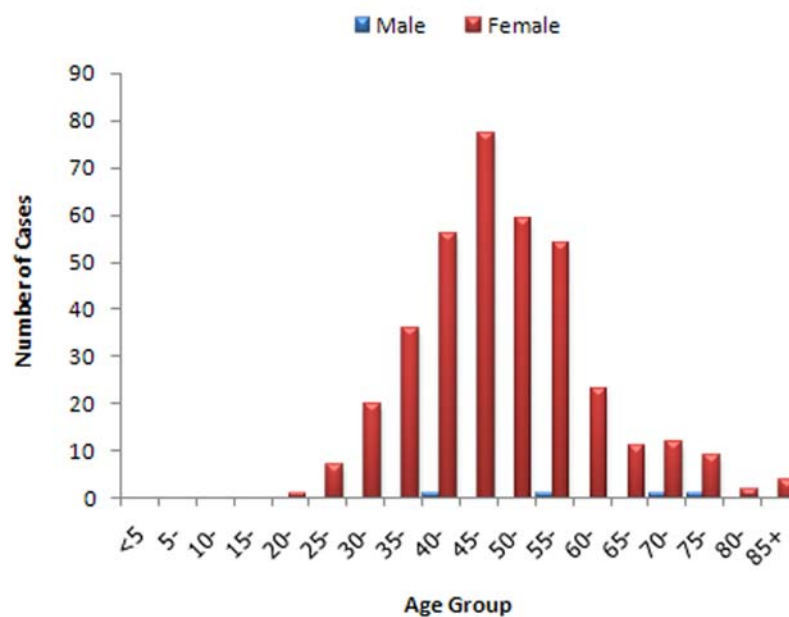


TABLE 27: STAGING

	FEMALE	MALE	TOTAL	%
Stage I	46	-	46	12.3
Stage II	22	-	22	5.9
Stage IIa	76	3	79	21.1
Stage IIb	64	-	64	17.1
Stage III	16	-	16	4.3
Stage IIIa	37	-	37	9.9
Stage IIIb	26	-	26	6.9
Stage IIIc	9	-	9	2.4
Stage IV	33	1	34	9.1
Not specified	42	-	42	11.2
TOTAL	371	4	375	100.0

TABLE 28: TYPES OF TREATMENT

	FEMALE	MALE	TOTAL	%
Surgery	8	-	8	2.1
Radiotherapy	39	-	39	10.4
Chemotherapy/ hormonal therapy	40	1	41	10.9
Surgery + radiotherapy	1	-	1	0.3
Surgery + CMT/ hormonal therapy	101	2	103	27.5
Radiotherapy + CMT/ hormonal therapy	65	-	65	17.3
Surgery + radiotherapy + chemotherapy	73	1	74	19.7
Best supportive care	44	-	44	11.7
TOTAL	371	4	375	100.0



CERVICAL CANCER (EXCLUDING IN SITU)

ICD-10 C53

TABLE 29: METHODS OF DIAGNOSIS

	NUMBER	%
Clinical only	2	0.6
Clinical investigate	2	0.6
Cytology	3	0.8
Histology of primary	352	98.1
TOTAL	359	100.0

FIGURE 32: DISTRIBUTION OF MARITAL STATUS, RELIGION AND OCCUPATION

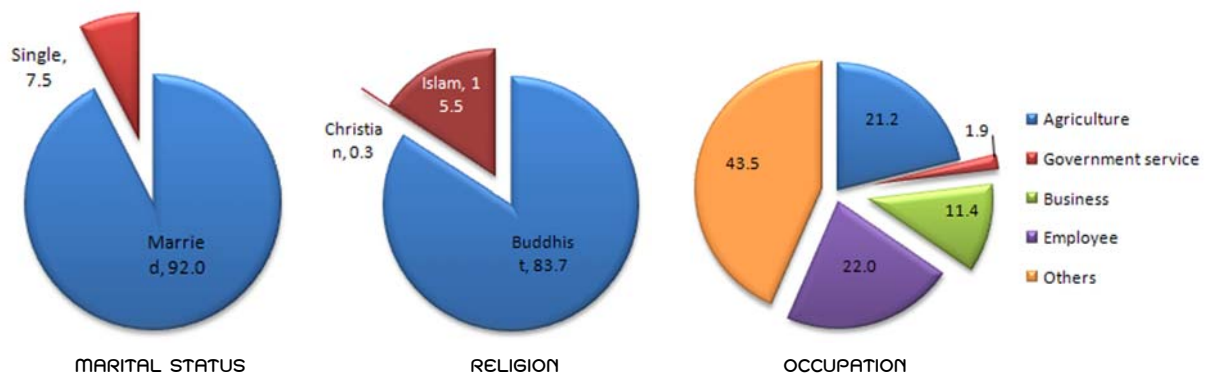


FIGURE 33: AGE DISTRIBUTION

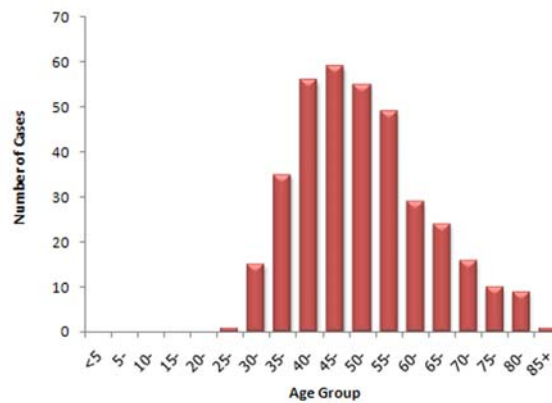


FIGURE 34 : TREND OF CERVICAL IN SITU COMPARE WITH CERVICAL CANCER

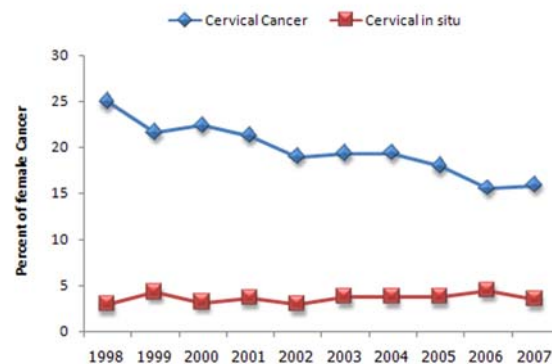


TABLE 30: STAGING

	NUMBER	%
Stage I	2	0.6
Stage Ia	17	4.7
Stage Ib	67	18.7
Stage II	5	1.4
Stage IIa	8	2.2
Stage IIb	139	38.7
Stage IIIa	12	3.3
Stage IIIb	85	23.7
Stage IV	4	1.1
Stage IVa	5	1.4
Stage IVb	6	1.7
Not specified	9	2.5
TOTAL	359	100.0

TABLE 31: TYPES OF TREATMENT

	NUMBER	%
Surgery	41	11.4
Radiotherapy	97	27.0
Chemotherapy	1	0.3
Surgery + radiotherapy	19	5.3
Surgery + chemotherapy	1	0.3
Radiotherapy + chemotherapy	137	38.2
Surgery + radiotherapy + chemotherapy	16	4.5
Best supportive care	47	13.1
TOTAL	359	100.0



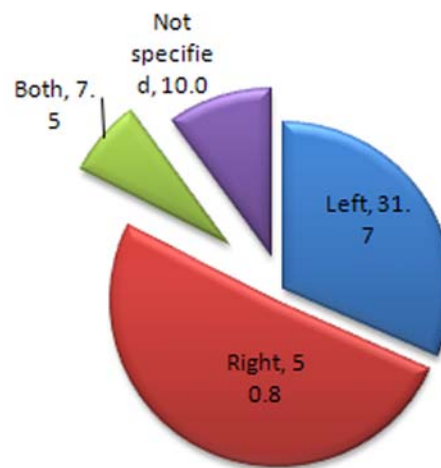
THYROID CANCER

ICD-10 C73

TABLE 32: METHODS OF DIAGNOSIS

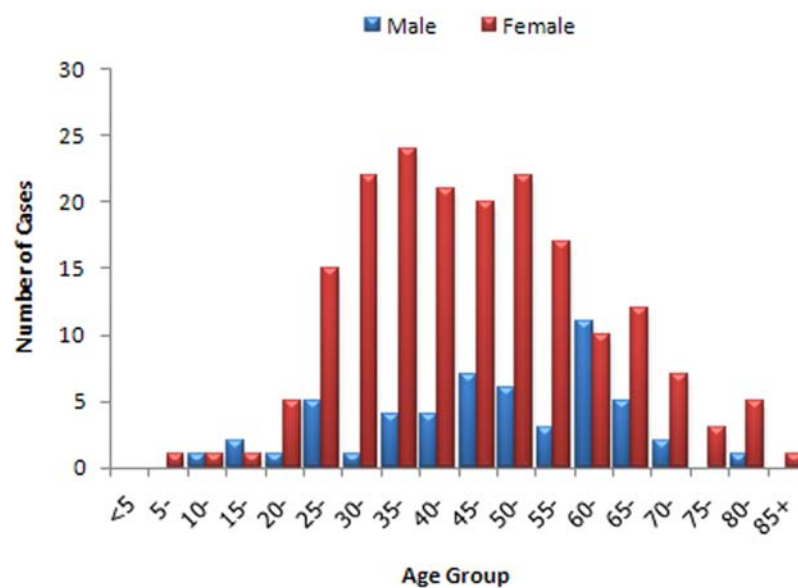
	MALE	FEMALE	TOTAL	%
Clinical only	-	2	2	0.8
Clinical investigation	2	2	4	1.7
Cytology	2	7	9	3.8
Histology of primary	49	176	225	93.8
TOTAL	53	187	240	100.0

FIGURE 35: DISTRIBUTION OF SIDES IN BOTH SEXES



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FIGURE 36: AGE DISTRIBUTION



THYROID CANCER

TABLE 33: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	2	13	15	6.3
Radiotherapy	25	109	134	55.8
Surgery + radiotherapy	17	47	64	26.7
Best supportive care	9	18	27	11.3
TOTAL	53	187	240	100.0



NON-HODGKIN LYMPHOMA

ICD-10 C82-C85, C96

TABLE 34: METHODS OF DIAGNOSIS

	MALE	FEMALE	TOTAL	%
Cytology	2	2	4	1.3
Histology of primary	171	118	289	98.7
TOTAL	173	120	293	100.0

FIGURE 37: AGE DISTRIBUTION

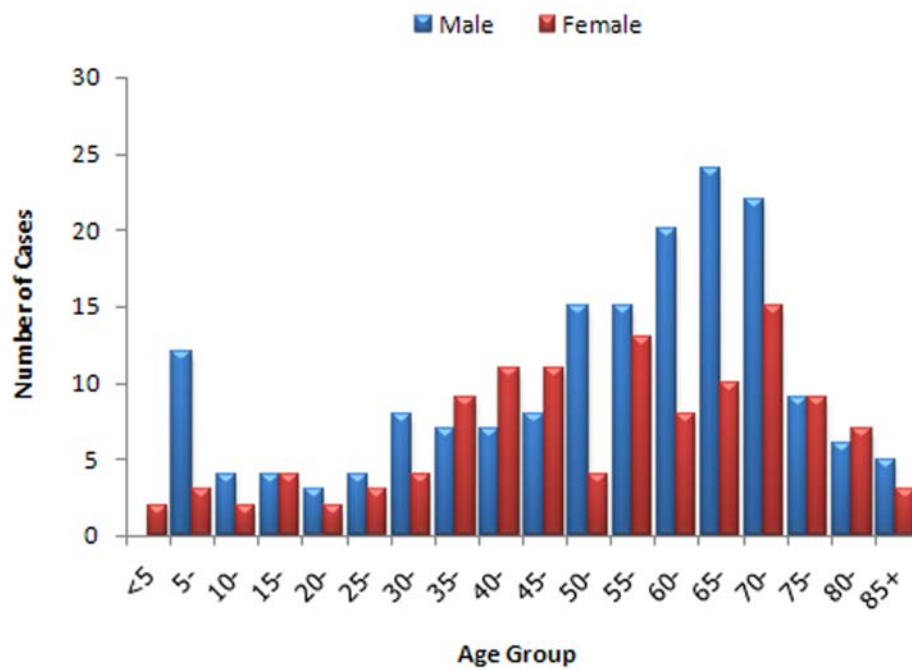


TABLE 35: SITE DISTRIBUTION

SITES	MALE	FEMALE	TOTAL	%
Lymph node	91	57	148	50.5
Skin	10	4	14	4.8
Tonsil	9	4	13	4.4
ill defined site	2	10	12	4.1
Eye	7	4	11	3.8
Brain	6	4	10	3.4
Colon	7	2	9	3.1
Stomach	8	-	8	2.7
Small intestine	4	4	8	2.7
Nasal cavity	6	1	7	2.4
Hematopoietic system	3	3	6	2.0
Mediastinum	2	3	5	1.7
Soft tissues	1	4	5	1.7
Palate	2	2	4	1.4
Liver	3	1	4	1.4
Nasopharynx	1	2	3	1.0
Gastrointestinal tract	2	1	3	1.0
Breast	-	3	3	1.0
Gum	2	-	2	0.7
Pharynx	-	2	2	0.7
Lung	1	1	2	0.7
Retroperitoneum	-	2	2	0.7
Testis	2	-	2	0.7
Nervous system	-	2	2	0.7
Thyroid gland	2	-	2	0.7
Base of tongue	-	1	1	0.3
Accessory sinuses	-	1	1	0.3
Long bone of lower limb	1	-	1	0.3
Ovary	-	1	1	0.3
Kidney	1	-	1	0.3
Adrenal gland	-	1	1	0.3
TOTAL	173	120	293	100.0



NON-HODGKIN LYMPHOMA

TABLE 36: TYPES OF TREATMENT

	MALE	FEMALE	TOTAL	%
Surgery	3	2	5	1.7
Radiotherapy	12	6	18	6.1
Chemotherapy	81	54	135	46.1
Surgery + radiotherapy	1	1	2	0.7
Surgery + chemotherapy	9	1	10	3.4
Radiotherapy + chemotherapy	23	22	45	15.4
Surgery + radiotherapy + chemotherapy	2	3	5	1.7
Best supportive care	42	31	73	24.9
TOTAL	190	120	293	100.0

TABLE 37: SEX AND AGE DISTRIBUTION OF CANCER PATIENT ACCORDING TO PRIMARY SITE

PRIMARY SITE (ICD-10)	SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Lip (C00)	Both sex	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	1	3	1	8
	Male	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
	Female	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	3	1	7
Tongue (C01-C02)	Both sex	-	-	-	-	1	2	1	1	11	16	11	17	19	20	12	15	6	6	138
	Male	-	-	-	-	-	1	-	1	8	14	9	13	18	16	12	13	6	3	114
	Female	-	-	-	-	1	1	1	-	3	2	2	4	1	4	-	2	-	3	24
Mouth (C03-C06)	Both sex	-	-	-	-	-	1	-	2	4	5	7	13	11	17	15	26	12	9	122
	Male	-	-	-	-	-	-	-	1	2	4	6	9	7	11	8	15	3	6	72
	Female	-	-	-	-	-	1	-	1	2	1	1	4	4	6	7	11	9	3	50
Salivary gland (C07-C08)	Both sex	-	-	-	-	1	2	2	4	4	4	4	3	2	3	3	-	1	3	36
	Male	-	-	-	-	1	1	-	1	1	1	1	2	1	1	2	-	1	-	13
	Female	-	-	-	-	-	1	2	3	3	3	3	1	1	2	1	-	-	3	23
Oropharynx (C09-C10)	Both sex	-	-	-	-	-	-	-	3	2	2	6	3	3	10	11	12	9	6	67
	Male	-	-	-	-	-	-	-	3	2	2	4	3	3	8	11	10	8	6	60
	Female	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	2	1	-	7
Nasopharynx (C11)	Both sex	-	-	-	1	1	2	3	7	16	11	13	15	6	4	4	5	1	1	90
	Male	-	-	-	-	1	2	1	5	12	9	9	10	6	4	3	4	1	-	67
	Female	-	-	-	1	-	-	2	2	4	2	4	5	-	-	1	1	-	1	23
Hypopharynx (C12-C13)	Both sex	-	-	-	-	-	-	1	-	1	5	7	3	13	12	11	14	3	5	75
	Male	-	-	-	-	-	-	1	-	1	4	7	2	13	12	8	13	2	5	68
	Female	-	-	-	-	-	-	-	-	-	1	-	1	-	-	3	1	1	-	7



PRIMARY SITE (ICD-10)		SEX																			Total
Pharynx, unspecified (C14)	Both sex	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-	3	1	-	9	
	Male	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	2	-	-	4	
	Female	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	1	-	5	
Esophagus (C15)	Both sex	-	-	-	-	-	-	4	2	7	16	23	25	26	24	11	9	4	151		
	Male	-	-	-	-	-	4	2	7	15	18	24	18	19	7	6	3	123			
	Female	-	-	-	-	-	-	-	-	-	1	5	1	8	5	4	3	1	28		
Stomach (C16)	Both sex	-	-	-	-	1	-	2	-	4	3	8	3	10	8	5	2	1	47		
	Male	-	-	-	-	-	-	-	-	4	2	3	3	10	5	4	1	-	32		
	Female	-	-	-	-	1	-	2	-	-	1	5	-	-	3	1	1	1	15		
Small intestine (C17)	Both sex	-	-	-	-	-	-	-	1	1	1	-	-	-	2	-	1	-	6		
	Male	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	1	-	4		
	Female	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	2		
Colon (C18)	Both sex	-	-	1	-	2	2	4	8	10	13	8	17	15	15	12	5	4	116		
	Male	-	-	-	-	1	1	2	4	6	10	6	7	7	7	5	4	1	61		
	Female	-	-	1	-	1	1	2	4	4	3	2	10	8	8	7	1	3	55		
Rectum (C19-C20)	Both sex	-	-	-	1	-	3	6	9	17	10	18	17	18	23	19	16	7	164		
	Male	-	-	-	-	-	3	4	4	11	8	8	8	11	14	12	10	4	97		
	Female	-	-	-	1	-	-	2	5	6	2	10	9	7	9	7	6	3	67		
Anus (C21)	Both sex	-	-	-	-	-	2	-	1	1	1	-	-	1	-	1	-	-	7		
	Male	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	3		
	Female	-	-	-	-	-	2	-	-	-	-	-	-	1	-	1	-	-	4		

PRIMARY SITE (ICD-10)	SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Liver (C22)	Both sex	2	-	2	1	-	4	10	14	29	45	60	57	54	34	32	29	18	5	396
	Male	-	-	1	-	-	3	9	11	20	38	50	48	41	25	21	18	16	4	305
	Female	2	-	1	1	-	1	1	3	9	7	10	9	13	9	11	11	2	1	91
Gallbladder etc. (C23-C24)	Both sex	-	-	-	-	-	-	-	2	4	1	6	2	3	4	8	5	7	3	45
	Male	-	-	-	-	-	-	-	-	2	-	4	2	1	2	4	4	1	-	20
	Female	-	-	-	-	-	-	-	2	2	1	2	-	2	2	4	1	6	3	25
Pancreas (C25)	Both sex	-	-	-	-	-	-	-	1	5	4	8	12	9	3	11	3	2	1	59
	Male	-	-	-	-	-	-	-	-	3	2	4	7	5	2	4	-	2	-	29
	Female	-	-	-	-	-	-	-	1	2	2	4	5	4	1	7	3	-	1	30
Gastrointestinal tract (C26)	Both sex	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2
	Male	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2
	Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nose, sinuses etc. (C30-C31)	Both sex	-	-	-	-	-	-	-	4	3	4	3	1	3	3	-	1	-	-	22
	Male	-	-	-	-	-	-	-	3	2	4	1	1	2	2	-	1	-	-	16
	Female	-	-	-	-	-	-	-	1	1	-	2	-	1	1	-	-	-	-	6
Larynx (C32)	Both sex	-	-	-	-	-	-	1	-	2	5	8	8	13	13	9	7	4	3	73
	Male	-	-	-	-	-	-	-	-	2	5	8	8	12	11	8	7	4	3	68
	Female	-	-	-	-	-	-	1	-	-	-	-	-	1	2	1	-	-	-	5
Trachea, bronchus, lung (C33-C34)	Both sex	-	-	-	-	2	1	9	9	25	32	44	54	87	90	76	66	28	11	534
	Male	-	-	-	-	1	1	5	6	16	24	27	41	72	70	53	47	21	9	393
	Female	-	-	-	-	1	-	4	3	9	8	17	13	15	20	23	19	7	2	141



PRIMARY SITE (ICD-10)		SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Other thoracic organs (C37-C38)	Both sex		2	-	-	2	3	2	1	2	1	-	-	-	1	-	-	2	-	-	16
	Male		2	-	-	2	3	2	1	2	1	-	-	-	1	-	-	-	-	-	14
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2
Bone (C40-C41)	Both sex		-	-	3	5	2	-	1	1	-	2	-	2	3	1	-	-	-	-	20
	Male		-	-	2	4	1	-	1	1	-	2	-	1	2	1	-	-	-	-	15
	Female		-	-	1	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	5
Melanoma of skin (C43)	Both sex		-	-	-	-	-	-	-	1	2	3	3	2	2	2	3	1	3	2	24
	Male		-	-	-	-	-	-	-	-	1	2	2	2	2	1	2	1	3	1	17
	Female		-	-	-	-	-	-	-	1	1	1	1	-	-	1	1	-	-	1	7
Other skin (C44)	Both sex		-	-	1	-	2	-	2	-	4	11	7	4	7	10	5	14	10	10	87
	Male		-	-	-	-	-	-	-	-	2	5	4	2	2	4	5	6	5	5	40
	Female-		-	-	1	-	2	-	2	-	2	6	3	2	5	6	-	8	5	5	47
Connective tissue (C47,C49)	Both sex		3	2	1	-	2	4	8	4	6	7	7	3	4	4	-	2	2	1	60
	Male		3	1	-	-	-	1	6	2	6	3	5	-	1	4	-	-	1	-	33
	Female		-	1	1	-	2	3	2	2	-	4	2	3	3	-	-	2	1	1	27
Peritoneum (C48)	Both sex		1	-	-	1	-	-	-	-	-	-	-	2	1	-	2	1	-	-	8
	Male		1	-	-	1	-	-	-	-	-	-	-	2	1	-	2	1	-	-	8
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Breast (C50)	Both sex		-	-	-	-	1	7	20	36	57	77	59	55	23	11	13	10	2	4	375
	Male		-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	1	-	-	4
	Female-		-	-	-	-	1	7	20	36	56	77	59	54	23	11	12	9	2	4	371

PRIMARY SITE (ICD-10)	SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Vulva (C51)	Both sex	-	-	-	-	-	-	-	1	-	-	-	1	-	1	3	2	1	1	10
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	1	-	-	-	1	-	1	3	2	1	1	10
Vagina (C52)	Both sex	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	3
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	3
Cervix uteri (C53)	Both sex	-	-	-	-	-	1	15	35	56	59	55	49	29	24	16	10	9	1	359
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	1	15	35	56	59	55	49	29	24	16	10	9	1	359
Corpus uteri (C54)	Both sex	-	-	-	-	-	1	5	6	5	10	18	27	17	15	6	4	3	-	117
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	1	5	6	5	10	18	27	17	15	6	4	3	-	117
Uterus unspecified (C55)	Both sex	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	-	-	4
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	-	-	4
Ovary (C56)	Both sex	-	-	1	6	4	7	8	10	15	20	33	13	10	12	10	2	-	-	151
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	1	6	4	7	8	10	15	20	33	13	10	12	10	2	-	-	151
Other female genital organs (C57)	Both sex	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2



PRIMARY SITE (ICD-10)		SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Placenta (C58)	Both sex		-	-	-	1	1	2	-	2	3	7	1	-	-	-	-	-	-	-	17
	Male		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female		-	-	-	1	1	2	-	2	3	7	1	-	-	-	-	-	-	-	17
Penis (C60)	Both sex		-	-	-	-	-	1	-	-	3	-	3	1	1	4	1	5	-	-	19
	Male		-	-	-	-	-	1	-	-	3	-	3	1	1	4	1	5	-	-	19
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prostate (C61)	Both sex		-	-	-	-	-	-	-	-	-	-	1	7	5	18	15	17	5	9	77
	Male		-	-	-	-	-	-	-	-	-	-	1	7	5	18	15	17	5	9	77
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Testis (C62)	Both sex		2	-	-	1	1	2	1	-	1	1	1	-	-	-	-	-	1	-	10
	Male		2	-	-	1	1	2	1	-	1	1	1	-	-	-	-	-	1	-	10
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other male genital organs (C63)	Both sex		-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	2
	Male		-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	2
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kidney (C64)	Both sex		5	-	-	-	1	1	-	2	3	1	5	6	4	4	7	2	1	-	42
	Male		3	-	-	-	-	1	-	1	-	-	4	5	3	2	4	1	1	-	25
	Female		2	-	-	-	1	-	-	1	3	1	1	1	1	2	3	1	-	-	17
Renal pelvis (C65)	Both sex		-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	-	-	-	4
	Male		-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	3
	Female		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1

PRIMARY SITE (ICD-10)	SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Ureter (C66)	Both sex	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
Bladder (C67)	Both sex	-	-	-	-	1	-	-	2	1	5	11	11	10	18	13	19	5	-	96
	Male	-	-	-	-	-	-	-	2	-	3	8	9	10	16	12	17	3	-	80
	Female	-	-	-	-	1	-	-	-	1	2	3	2	-	2	1	2	2	-	16
Other urinary organs (C68)	Both sex	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
Eye (C69)	Both sex	3	1	-	1	-	-	-	1	-	1	1	-	2	1	1	1	-	-	13
	Male	3	1	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	7
	Female	-	-	-	1	-	-	-	-	-	1	-	-	2	1	1	-	-	-	6
Brain, nervous system (C70-C72)	Both sex	10	3	8	3	4	3	3	5	6	5	1	7	3	1	6	3	-	1	72
	Male	6	2	4	2	2	3	3	4	3	1	1	5	1	-	3	3	-	1	44
	Female	4	1	4	1	2	-	-	1	3	4	-	2	2	1	3	-	-	-	28
Thyroid (C73)	Both sex	-	1	2	3	6	20	23	28	25	27	28	20	21	17	9	3	6	1	240
	Male	-	-	1	2	1	5	1	4	4	7	6	3	11	5	2	-	1	-	53
	Female	-	1	1	1	5	15	22	24	21	20	22	17	10	12	7	3	5	1	187
Adrenal gland (C74)	Both sex	3	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	7
	Male	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Female	3	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	6



PRIMARY SITE (ICD-10)		SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Other endocrine (C75)	Both sex		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Male		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Female		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hodgkin disease (C81)	Both sex		-	4	3	1	1	-	-	3	1	2	2	1	1	-	-	2	-	-	21
	Male		-	4	2	1	1	-	-	1	1	2	2	-	1	-	-	2	-	-	17
	Female		-	-	1	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	4
Non-Hodgkin lymphoma (C82-C85,C96)	Both sex		2	15	6	8	5	7	12	16	18	19	19	28	28	34	37	18	13	8	293
	Male		-	12	4	4	3	4	8	7	7	8	15	15	20	24	22	9	6	5	173
	Female		2	3	2	4	2	3	4	9	11	11	4	13	8	10	15	9	7	3	120
Multiple myeloma (C90)	Both sex		-	-	-	-	-	-	-	1	1	7	10	6	11	7	6	7	3	1	60
	Male		-	-	-	-	-	-	-	1	1	4	5	1	9	3	4	3	-	1	32
	Female		-	-	-	-	-	-	-	-	-	3	5	5	2	4	2	4	3	-	28
Lymphoid leukaemia (C91)	Both sex		19	5	4	3	2	1	1	-	2	1	-	4	2	4	3	7	-	-	58
	Male		10	3	2	2	2	1	1	-	1	1	-	3	1	3	1	4	-	-	35
	Female		9	2	2	1	-	-	-	-	1	-	-	1	1	1	2	3	-	-	23
Myeloid leukaemia (C92-C94)	Both sex		9	4	5	9	6	4	3	6	9	10	11	6	6	14	10	7	9	1	129
	Male		5	1	3	3	4	3	3	3	3	6	6	3	3	9	4	4	6	-	69
	Female		4	3	2	6	2	1	-	3	6	4	5	3	3	5	6	3	3	1	60
Leukaemia unspecified (C95)	Both sex		1	-	1	2	1	1	1	2	-	1	-	3	-	-	4	-	-	-	17
	Male		1	-	-	1	1	1	1	1	-	1	-	2	-	-	2	-	-	-	11
	Female		-	-	1	1	-	-	-	1	-	-	-	1	-	-	2	-	-	-	6

PRIMARY SITE (ICD-10)		SEX	<5	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
Other and unspecified (O & U)	Both sex		2	-	-	2	-	1	2	1	9	8	21	16	17	17	14	17	6	5	138
	Male		2	-	-	2	-	-	1	1	6	5	11	10	10	11	7	5	1	3	75
	Female		-	-	-	-	-	1	1	-	3	3	10	6	7	6	7	12	5	2	63
Myeloproliferative disorders (MPD)	Both sex		-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
	Male		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Female		-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1



TABLE 38: HISTOLOGICAL TYPES

ICD-10	SITE	PATHOLOGY	M	F
C00	LIP	TOTAL	1	7
		8000 Clinical, no microscopic confirmation	-	1
		8051 Verrucous carcinoma, NOS*	-	2
		8070 Squamous cell carcinoma, NOS*	-	4
		8430 Mucoepidermoid carcinoma	1	-
C01-C02	TONGUE	TOTAL	114	24
		8000 Clinical, no microscopic confirmation	1	-
		8000 Neoplasm, malignant	1	-
		8010 Carcinoma, NOS*	1	-
		8041 Small cell carcinoma, NOS*	1	-
		8051 Verrucous carcinoma, NOS*	2	-
		8070 Squamous cell carcinoma, NOS*	108	24
C03-C06	MOUTH	TOTAL	72	50
		8000 Clinical, no microscopic confirmation	1	-
		8000 Neoplasm, malignant	3	-
		8051 Verrucous carcinoma, NOS*	-	4
		8070 Squamous cell carcinoma, NOS*	66	42
		8200 Adenoid cystic carcinoma	-	2
		8430 Mucoepidermoid carcinoma	1	2
		8940 Mixed tumor, malignant, NOS	1	-
C07-C08	SALIVARY GLAND	TOTAL	13	23
		8000 Clinical, no microscopic confirmation	2	1
		8000 Neoplasm, malignant	1	1
		8010 Carcinoma, NOS*	-	1
		8012 Large cell carcinoma, NOS*	1	-
		8020 Carcinoma, undifferentiated, NOS*	-	2
		8070 Squamous cell carcinoma, NOS*	4	2
		8140 Adenocarcinoma, NOS*	2	2
		8200 Adenoid cystic carcinoma	1	7
		8430 Mucoepidermoid carcinoma	1	4
		8550 Acinar cell carcinoma	1	2
		8982 Malignant myoepithelioma	-	1

* NOS. = Not Otherwise Specified

ICD-10	SITE	PATHOLOGY	M	F
C09-C10	OROPHARYNX	TOTAL	60	7
		8000 Clinical, no microscopic confirmation	1	-
		8020 Carcinoma, undifferentiated, NOS	1	-
		8041 Small cell carcinoma, NOS	-	1
		8070 Squamous cell carcinoma, NOS	58	6
C11	NASOPHARYNX	TOTAL	67	23
		8000 Clinical, no microscopic confirmation	-	1
		8000 Neoplasm, malignant	1	-
		8010 Carcinoma, NOS	2	-
		8020 Carcinoma, undifferentiated, NOS	30	6
		8070 Squamous cell carcinoma	34	16
C12-C13	HYPOPHARYNX	TOTAL	68	7
		8000 Clinical, no microscopic confirmation	2	1
		8010 Carcinoma, NOS	1	-
		8070 Squamous cell carcinoma, NOS	65	6
C14	PHARYNX, UNSPECIFIED	TOTAL	4	5
		8070 Squamous cell carcinoma, NOS	4	5
C15	ESOPHAGUS	TOTAL	123	28
		8000 Clinical, no microscopic confirmation	11	1
		8000 Neoplasm, malignant	1	1
		8041 Small cell carcinoma, NOS	1	-
		8070 Squamous cell carcinoma, NOS	99	22
		8140 Adenocarcinoma, NOS	10	3
		8246 Neuroendocrine carcinoma, NOS	1	-
		8430 Mucoepidermoid carcinoma	-	1
C16	STOMACH	TOTAL	32	15
		8000 Clinical, no microscopic confirmation	4	1
		8020 Carcinoma, undifferentiated, NOS	-	1
		8070 Squamous cell carcinoma, NOS	1	-
		8140 Adenocarcinoma, NOS	26	13
		8246 Neuroendocrine carcinoma, NOS	1	-



ICD-10	SITE	PATHOLOGY	M	F
C17	SMALL INTESTINE	TOTAL	4	2
	8000	Clinical, no microscopic confirmation	2	-
	8140	Adenocarcinoma, NOS	2	1
	8936	Gastrointestinal stromal sarcoma	-	1
C18	COLON	TOTAL	61	55
	8000	Clinical, no microscopic confirmation	4	2
	8000	Neoplasm, malignant	2	2
	8020	Carcinoma, undifferentiated, NOS	-	1
	8140	Adenocarcinoma, NOS	55	50
C19-C20	RECTUM	TOTAL	97	67
	8000	Clinical, no microscopic confirmation	4	2
	8000	Neoplasm, malignant	3	3
	8140	Adenocarcinoma, NOS	89	62
	8936	Gastrointestinal stromal sarcoma	1	-
C21	ANUS	TOTAL	3	4
	8140	Adenocarcinoma, NOS	3	4
C22	LIVER	TOTAL	305	91
	8000	Clinical, no microscopic confirmation	239	72
	8020	Carcinoma, undifferentiated, NOS	1	-
	8140	Adenocarcinoma, NOS	13	6
	8160	Cholangiocarcinoma	-	2
	8170	Hepatocellular carcinoma, NOS	50	10
	8970	Hepatoblastoma	-	1
	9071	Endodermal sinus tumor	1	-
	9120	Hemangiosarcoma	1	-
C23-C24	GALLBLADDER ETC.	TOTAL	20	25
	8000	Clinical, no microscopic confirmation	9	6
	8000	Neoplasm, malignant	-	1
	8010	Carcinoma, NOS	-	1
	8140	Adenocarcinoma, NOS	10	16
	8160	Cholangiocarcinoma	1	1

ICD-10	SITE	PATHOLOGY	M	F
C25	PANCREAS	TOTAL	29	30
		8000 Clinical, no microscopic confirmation	14	21
		8000 Neoplasm, malignant	2	-
		8140 Adenocarcinoma, NOS	13	8
		8470 Mucinous cystadenocarcinoma, NOS	-	1
C26	GASTROINTESTINAL TRACT	TOTAL	2	-
		8000 Neoplasm, malignant	1	-
		8802 Giant cell sarcoma (except of bone)	1	-
C30-C31	NOSE, SINUSES ETC.	TOTAL	16	6
		8000 Clinical, no microscopic confirmation	-	1
		8010 Carcinoma, NOS	1	1
		8020 Carcinoma, undifferentiated, NOS	2	-
		8041 Small cell carcinoma, NOS	1	-
		8070 Squamous cell carcinoma, NOS	10	1
		8090 Basal cell carcinoma, NOS	-	1
		8200 Adenoid cystic carcinoma	1	1
		8830 Malignant fibrous histiocyoma	-	1
		9522 Olfactory neuroblastoma	1	-
C32	LARYNX	TOTAL	68	5
		8000 Clinical, no microscopic confirmation	2	1
		8070 Squamous cell carcinoma, NOS	66	4
C33-C34	TRACHEA, BRONCHUS, LUNG	TOTAL	393	141
		8000 Clinical, no microscopic confirmation	44	14
		8000 Neoplasm, malignant	6	5
		8010 Carcinoma, NOS	4	-
		8012 Large cell carcinoma, NOS	7	1
		8020 Carcinoma, undifferentiated, NOS	5	-
		8032 Spindle cell carcinoma, NOS	1	-
		8041 Small cell carcinoma, NOS	35	1
		8046 Non-small cell carcinoma	21	9
		8070 Squamous cell carcinoma, NOS	108	15
		8140 Adenocarcinoma, NOS	140	79
		8246 Neuroendocrine carcinoma, NOS	2	1
		8250 Bronchiolo-alveolar adenocarcinoma, NOS	13	11



ICD-10	SITE	PATHOLOGY	M	F
		8260 Papillary adenocarcinoma, NOS	3	-
		8310 Clear cell adenocarcinoma, NOS	3	2
		8430 Mucoepidermoid carcinoma	-	2
		8560 Adenosquamous carcinoma	1	1
C37-C38	OTHER THORACIC ORGANS	TOTAL	14	2
		8000 Clinical, no microscopic confirmation	1	-
		8002 Malignant tumor, small cell type	1	-
		8012 Large cell carcinoma, NOS	-	1
		8020 Carcinoma, undifferentiated, NOS	-	1
		8240 Carcinoid tumor, NOS	1	-
		8800 Sarcoma, NOS	1	-
		9064 Germinoma	3	-
		9070 Embryonal carcinoma, NOS	1	-
		9071 Endodermal sinus tumor	2	-
		9080 Immature teratoma, malignant	1	-
		9084 Teratoma with malignant transformation	1	-
		9085 Mixed germ cell tumor	1	-
		9500 Neuroblastoma, NOS	1	-
C40-C41	BONE	TOTAL	15	5
		8000 Clinical, no microscopic confirmation	4	3
		8801 Spindle cell sarcoma	1	-
		9180 Osteosarcoma, NOS	3	-
		9186 Central osteosarcoma	1	-
		9220 Chondrosarcoma, NOS	2	1
		9260 Ewing sarcoma	3	-
		9370 Chordoma, NOS	1	1
C43	MELANOMA OF SKIN	TOTAL	17	7
		8720 Malignant melanoma, NOS	16	6
		8721 Nodular melanoma	-	1
		8744 Acral lentiginous melanoma, malignant	1	-

ICD-10	SITE	PATHOLOGY	M	F
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C44 OTHER SKIN TOTAL 40 47

8000	Clinical, no microscopic confirmation	1	-
8010	Carcinoma, NOS	-	1
8070	Squamous cell carcinoma, NOS	30	18
8084	Squamous cell carcinoma, clear cell type	-	1
8090	Basal cell carcinoma, NOS	6	19
8094	Basosquamous carcinoma	-	1
8097	Basal cell carcinoma, nodular	1	1
8410	Sebaceous adenocarcinoma	-	2
8832	Dermatofibrosarcoma, NOS	2	4

C47, C49 CONNECTIVE TISSUE TOTAL 33 27

8000	Clinical, no microscopic confirmation	2	4
8000	Neoplasm, malignant	1	-
8002	Malignant tumor, small cell type	1	-
8010	Carcinoma, NOS	1	-
8140	Adenocarcinoma, NOS	1	-
8246	Neuroendocrine carcinoma, NOS	1	-
8800	Sarcoma, NOS	1	1
8801	Spindle cell sarcoma	4	-
8802	Giant cell sarcoma (except of bone)	1	-
8804	Epithelioid sarcoma	1	1
8810	Fibrosarcoma, NOS	1	2
8814	Infantile fibrosarcoma	1	-
8830	Malignant fibrous histiocyoma	6	6
8840	Myxosarcoma	2	-
8850	Liposarcoma, NOS	-	1
8852	Myxoid liposarcoma	2	1
8854	Pleomorphic liposarcoma	-	1
8857	Fibroblastic liposarcoma	-	1
8890	Leiomyosarcoma, NOS	1	3
8910	Embryonal rhabdomyosarcoma, NOS	1	1
8920	Alveolar rhabdomyosarcoma	3	1
9040	Synovial sarcoma, NOS	1	2
9540	Malignant peripheral nerve sheath tumor	-	2
9560	Neurilemoma, malignant	1	-



ICD-10	SITE	PATHOLOGY	M	F
C48	PERITONEUM	TOTAL	8	-
		8000 Clinical, no microscopic confirmation	1	-
		8140 Adenocarcinoma, NOS	1	-
		8850 Liposarcoma, NOS	2	-
		8900 Rhabdomyosarcoma, NOS	1	-
		8920 Alveolar rhabdomyosarcoma	1	-
		8936 Gastrointestinal stromal sarcoma	1	-
		9085 Mixed germ cell tumor	1	-
C50	BREAST	TOTAL	4	371
		8000 Clinical, no microscopic confirmation	-	7
		8000 Neoplasm, malignant	-	28
		8010 Carcinoma, NOS	-	3
		8050 Papillary carcinoma, NOS	-	1
		8200 Adenoid cystic carcinoma	-	1
		8480 Mucinous adenocarcinoma	1	10
		8500 Infiltrating duct carcinoma, NOS	3	301
		8503 Intraductal papillary adenocarcinoma with invasion	-	1
		8504 Intracystic carcinoma, NOS	-	2
		8510 Medullary carcinoma, NOS	-	1
		8520 Lobular carcinoma, NOS	-	13
		8522 Infiltrating duct and lobular carcinoma	-	2
		9020 Phyllodes tumor, malignant	-	1
C51	VULVA	TOTAL	-	10
		8070 Squamous cell carcinoma	-	8
		8542 Paget disease, extramammary (ex. Paget dis.of bone)	-	1
		8720 Malignant melanoma, NOS	-	1
C52	VAGINA	TOTAL	-	3
		8000 Clinical, no microscopic confirmation	-	1
		8070 Squamous cell carcinoma	-	1
		8140 Adenocarcinoma, NOS	-	1

ICD-10	SITE	PATHOLOGY	M	F
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C53 CERVIX UTERI TOTAL - 359

8000	Clinical, no microscopic confirmation	-	4
8000	Neoplasm, malignant	-	7
8010	Carcinoma, NOS	-	1
8020	Carcinoma, undifferentiated, NOS	-	1
8041	Small cell carcinoma, NOS	-	7
8070	Squamous cell carcinoma	-	233
8076	Squamous cell carcinoma, microinvasive	-	24
8140	Adenocarcinoma, NOS	-	59
8260	Papillary adenocarcinoma, NOS	-	2
8310	Clear cell adenocarcinoma, NOS	-	1
8323	Mixed cell adenocarcinoma	-	2
8380	Endometrioid adenocarcinoma, NOS	-	2
8384	Adenocarcinoma, endocervical type	-	2
8480	Mucinous adenocarcinoma	-	3
8560	Adenosquamous carcinoma	-	10
8720	Malignant melanoma, NOS	-	1

C54 CORPUS UTERI TOTAL - 117

8000	Neoplasm, malignant	-	1
8020	Carcinoma, undifferentiated, NOS	-	1
8260	Papillary adenocarcinoma, NOS	-	1
8310	Clear cell adenocarcinoma, NOS	-	1
8323	Mixed cell adenocarcinoma	-	1
8380	Endometrioid adenocarcinoma, NOS	-	96
8384	Adenocarcinoma, endocervical type	-	1
8441	Serous cystadenocarcinoma, NOS	-	1
8480	Mucinous adenocarcinoma	-	1
8800	Sarcoma, NOS	-	1
8890	Leiomyosarcoma, NOS	-	3
8920	Alveolar rhabdomyosarcoma	-	1
8930	Endometrial stromal sarcoma, NOS	-	3
8980	Carcinosarcoma, NOS	-	5

C55 UTERUS UNSPECIFIED TOTAL - 4

8890	Leiomyosarcoma, NOS	-	2
8980	Carcinosarcoma, NOS	-	2



ICD-10	SITE	PATHOLOGY	M	F
C56	OVARY	TOTAL	-	151
		8000 Clinical, no microscopic confirmation	-	6
		8000 Neoplasm, malignant	-	8
		8005 Malignant tumor, clear cell type	-	1
		8010 Carcinoma, NOS	-	3
		8020 Carcinoma, undifferentiated, NOS	-	1
		8070 Squamous cell carcinoma, NOS	-	2
		8140 Adenocarcinoma, NOS	-	11
		8260 Papillary adenocarcinoma, NOS	-	1
		8310 Clear cell adenocarcinoma, NOS	-	12
		8323 Mixed cell adenocarcinoma	-	7
		8380 Endometrioid adenocarcinoma, NOS	-	23
		8383 Endometrioid adenocarcinoma, ciliated cell variant	-	1
		8441 Serous cystadenocarcinoma, NOS	-	19
		8460 Papillary serous cystadenocarcinoma	-	12
		8461 Serous surface papillary carcinoma	-	1
		8462 Serous papillary cystic tumor of borderline malignancy	-	1
		8470 Mucinous cystadenocarcinoma, NOS	-	17
		8560 Adenosquamous carcinoma	-	1
		8810 Fibrosarcoma, NOS	-	1
		8980 Carcinosarcoma, NOS	-	4
		9060 Dysgerminoma	-	11
		9071 Endodermal sinus tumor	-	2
		9080 Immature teratoma, malignant	-	3
		9084 Teratoma with malignant transformation	-	2
		9085 Mixed germ cell tumor	-	1
C57	OTHER FEMALE GENITAL ORGANS	TOTAL	-	2
		8441 Serous cystadenocarcinoma, NOS	-	1
		8890 Leiomyosarcoma, NOS	-	1
C58	PLACENTA	TOTAL	-	17
		8000 Clinical, no microscopic confirmation	-	11
		9100 Choriocarcinoma, NOS	-	6
C60	PENIS	TOTAL	19	-
		8000 Clinical, no microscopic confirmation	2	-
		8000 Neoplasm, malignant	1	-
		8070 Squamous cell carcinoma, NOS	16	-

ICD-10	SITE	PATHOLOGY	M	F
C61	PROSTATE	TOTAL	77	-
		8000 Clinical, no microscopic confirmation	13	-
		8000 Neoplasm, malignant	2	-
		8010 Carcinoma, NOS	3	-
		8020 Carcinoma, undifferentiated, NOS	1	-
		8140 Adenocarcinoma, NOS	58	-
C62	TESTIS	TOTAL	10	-
		8890 Leiomyosarcoma, NOS	1	-
		9061 Seminoma, NOS	5	-
		9064 Germinoma	1	-
		9071 Endodermal sinus tumor	1	-
		9080 Immature teratoma, malignant	1	-
		9085 Mixed germ cell tumor	1	-
C63	OTHER MALE GENITAL ORGANS	TOTAL	2	-
		8070 Squamous cell carcinoma, NOS	2	-
C64	KIDNEY ETC.	TOTAL	25	17
		8000 Clinical, no microscopic confirmation	7	7
		8120 Transitional cell carcinoma, NOS	6	2
		8140 Adenocarcinoma, NOS	-	1
		8310 Clear cell adenocarcinoma, NOS	2	-
		8312 Renal cell carcinoma, NOS	7	5
		8960 Nephroblastoma, NOS	3	2
C65	RENAL PELVIS	TOTAL	3	1
		8000 Clinical, no microscopic confirmation	2	1
		8312 Renal cell carcinoma, NOS	1	-
C66	URTER	TOTAL	-	1
		8120 Transitional cell carcinoma, NOS	-	1



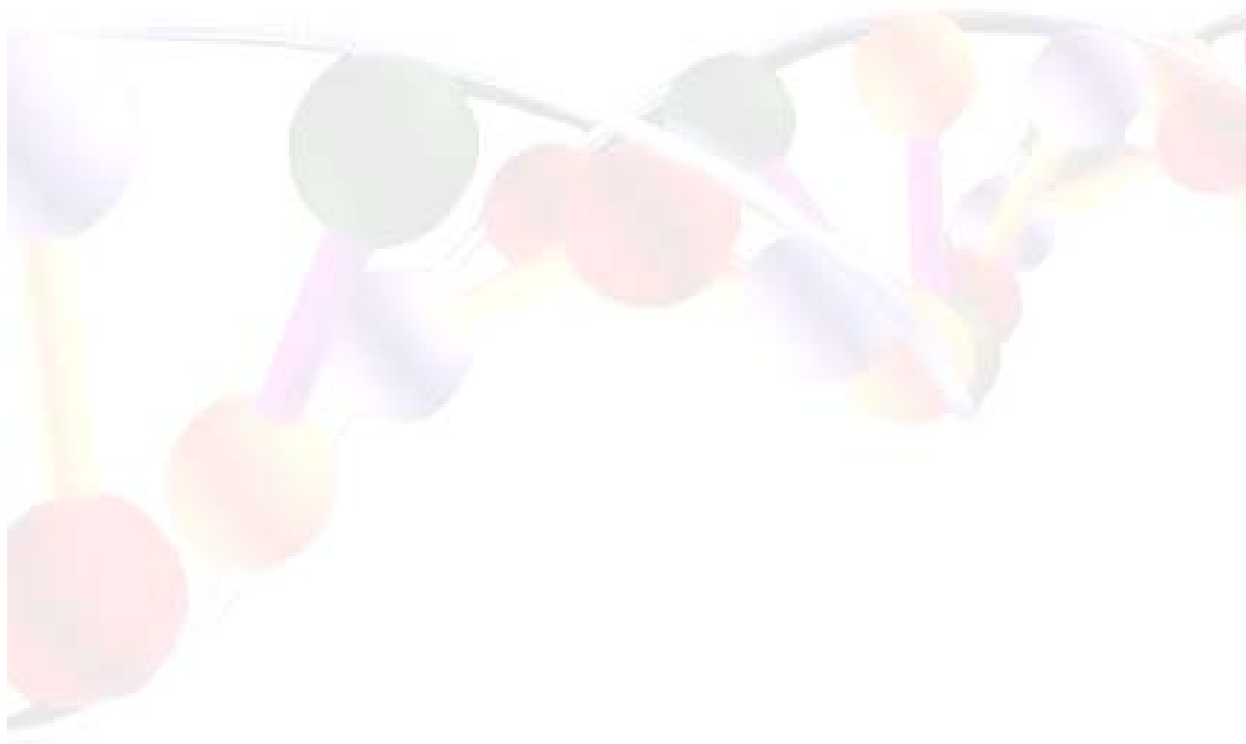
ICD-10	SITE	PATHOLOGY	M	F
C67	BLADDER	TOTAL	80	16
		8000 Clinical, no microscopic confirmation	8	3
		8000 Neoplasm, malignant	2	-
		8010 Carcinoma, NOS	-	1
		8050 Papillary carcinoma, NOS	-	1
		8070 Squamous cell carcinoma, NOS	-	1
		8120 Transitional cell carcinoma, NOS	66	9
		8140 Adenocarcinoma, NOS	3	1
		8480 Mucinous adenocarcinoma	1	-
C68	OTHER URINARY ORGANS	TOTAL	-	1
		8120 Transitional cell carcinoma, NOS	-	1
C69	EYE	TOTAL	7	6
		8000 Clinical, no microscopic confirmation	1	1
		8070 Squamous cell carcinoma, NOS	1	-
		8140 Adenocarcinoma, NOS	-	1
		8200 Adenoid cystic carcinoma	-	2
		8310 Clear cell adenocarcinoma, NOS	-	1
		8772 Spindle cell melanoma, NOS	1	-
		8830 Malignant fibrous histiocytoma	-	1
		9510 Retinoblastoma, NOS	4	-
C70-C72	BRAIN, NERVOUS SYSTEM	TOTAL	44	28
		8000 Clinical, no microscopic confirmation	11	9
		8000 Neoplasm, malignant	1	-
		8801 Spindle cell sarcoma	1	-
		9064 Germinoma	-	1
		9380 Glioma, malignant	1	-
		9382 Mixed glioma	-	1
		9391 Ependymoma, NOS	3	2
		9392 Ependymoma, anaplastic	2	-
		9400 Astrocytoma, NOS	5	5
		9401 Astrocytoma, anaplastic	3	2
		9424 Pleomorphic xanthoastrocytoma	1	-
		9440 Glioblastoma, NOS	11	5
		9450 Oligodendroglioma, NOS	1	1
		9470 Medulloblastoma, NOS	1	1
		9473 Primitive neuroectodermal tumor, NOS	-	1
		9500 Neuroblastoma, NOS	2	-
		9530 Meningioma, malignant	1	-

ICD-10	SITE	PATHOLOGY	M	F
C73	THYROID	TOTAL	53	187
		8000 Clinical, no microscopic confirmation	2	4
		8010 Carcinoma, NOS	-	1
		8020 Carcinoma, undifferentiated, NOS	3	3
		8260 Papillary adenocarcinoma, NOS	33	131
		8290 Oxyphilic adenocarcinoma	1	7
		8330 Follicular adenocarcinoma, NOS	10	29
		8335 Follicular carcinoma, minimally invasive	-	3
		8340 Papillary carcinoma, follicular variant	3	6
		8341 Papillary microcarcinoma	-	1
		8343 Papillary carcinoma, encapsulated	-	1
		8345 Medullary carcinoma with amyloid stroma	-	1
		8510 Medullary carcinoma, NOS	1	-
C74	ADRENAL GLAND	TOTAL	1	6
		8000 Neoplasm, malignant	-	1
		8010 Carcinoma, NOS	-	1
		8370 Adrenal cortical carcinoma	-	1
		9500 Neuroblastoma, NOS	1	3
C75	OTHER ENDOCRINE	TOTAL	1	-
		8000 Neoplasm, malignant	1	-
C81	HODGKIN DISEASE	TOTAL	17	4
		9650 Hodgkin lymphoma, NOS	4	-
		9651 Hodgkin lymphoma, lymphocyte-rich	1	-
		9652 Hodgkin lymphoma, mixed cellularity, NOS	1	-
		9659 Hodgkin lymphoma, nodular lymphocyte predominance	1	-
		9663 Hodgkin lymphoma, nodular sclerosis, NOS	10	4
C82-C85,C96	NON-HODGKIN LYMPHOMA	TOTAL	173	120
		9590 Malignant lymphoma, NOS	4	3
		9591 Malignant lymphoma, non-Hodgkin, NOS	17	7
		9670 Malignant lymphoma, small B lymphocytic, NOS	2	1
		9671 Malignant lymphoma, lymphoplasmacytic	4	2
		9673 Mantle cell lymphoma	12	1
		9680 Malignant lymphoma, large B-cell, diffuse, NOS	90	77
		9684 Malig.lymphoma, large B-cell,diffuse, immunoblastic, NOS	-	1
		9687 Burkitt lymphoma, NOS	6	1
		9690 Follicular lymphoma, NOS	6	9



ICD-10	SITE	PATHOLOGY	M	F
		9695 Follicular lymphoma, grade 1	-	1
		9699 Marginal zone B-cell lymphoma, NOS	1	7
		9700 Mycosis fungoides	1	-
		9702 Peripheral T-cell lymphoma, NOS	8	3
		9705 Angioimmunoblastic T-cell lymphoma	4	-
		9708 Subcutaneous panniculitis-like T-cell lymphoma	1	2
		9709 Cutaneous T-cell lymphoma, NOS	3	2
		9714 Anaplastic large cell lymphoma, T cell/Null cell type	4	-
		9718 Primary cutaneous CD30+ T-cell lymphoprolif.disorder	1	1
		9719 NK/T-cell lymphoma, nasal and nasal-type	4	1
		9727 Precursor cell lymphoblastic lymphoma, NOS	3	-
		9729 Precursor T-cell lymphoblastic lymphoma	2	1
C90	MULTIPLE MYELOMA	TOTAL	32	28
		9731 Plasmacytoma, NOS	1	1
		9732 Multiple myeloma	29	27
		9734 Plasmacytoma, extramedullary (not occurring in bone)	2	-
C91	LYMPHOID LEUKAEMIA	TOTAL	35	23
		9823 B-cell chronic lymphocytic leukemia/small lymphocyt.lymphoma	12	7
		9832 Prolymphocytic leukemia, NOS	-	1
		9835 Acute lymphoblastic leukemia, NOS	23	15
C92-C94	MYELOID LEUKAEMIA	TOTAL	69	60
		9840 Acute myeloid leukemia, M6 type	-	1
		9861 Acute myeloid leukemia, NOS	43	39
		9863 Chronic myeloid leukemia, NOS	18	13
		9866 Acute promyelocytic leukemia, t(15;17)(q22;q11-12)	-	3
		9867 Acute myelomonocytic leukemia	3	-
		9872 Acute myeloid leukemia, minimal differentiation	1	1
		9874 Acute myeloid leukemia with maturation	-	1
		9891 Acute monocytic leukemia	2	2
		9945 Chronic myelomonocytic leukemia, NOS	2	-
C95	LEUKEMIA UNSPECIFIED	TOTAL	11	6
		9800 Leukemia, NOS	2	1
		9801 Acute leukemia, NOS	9	5

ICD-10	SITE	PATHOLOGY	M	F
<i>O & U</i>	<i>OTHER AND UNSPECIFIED</i>	<i>TOTAL</i>	<i>75</i>	<i>63</i>
	8000	Clinical, no microscopic confirmation	12	13
	8000	Neoplasm, malignant	-	2
	8010	Carcinoma, NOS	3	3
	8012	Large cell carcinoma, NOS	1	-
	8020	Carcinoma, undifferentiated, NOS	10	4
	8046	Non-small cell carcinoma	2	-
	8050	Papillary carcinoma, NOS	1	-
	8070	Squamous cell carcinoma, NOS	18	9
	8140	Adenocarcinoma, NOS	19	31
	8246	Neuroendocrine carcinoma, NOS	-	1
	8260	Papillary adenocarcinoma, NOS	2	-
	8480	Mucinous adenocarcinoma	1	-
	8850	Liposarcoma, NOS	2	-
	8900	Rhabdomyosarcoma, NOS	1	-
	8920	Alveolar rhabdomyosarcoma	1	-
	8936	Gastrointestinal stromal sarcoma	1	-
	9085	Mixed germ cell tumor	1	-
<i>MPD</i>	<i>MYELOPROLIFERATIVE DISORDERS</i>	<i>TOTAL</i>	<i>-</i>	<i>1</i>
	9960	Chronic myeloproliferative disease, NOS	-	1





APPENDIX: DEFINITIONS



NEW CASE:	Case diagnosed at Songklanagarind Hospital or referred to Songklanagarind Hospital in the year reported, excluding <i>in situ</i> neoplasms.
TREATMENT:	Treatment given at Songklanagarind hospital not including treatment received previously.
BRAIN TUMOR:	Excluding meningeal and cranial nerve tumor.
NOS.:	Not Otherwise Specified.
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).