

ANNUAL CANCER REGISTRY REPORT-2011

CANCER STATISTICS

Distribution of neoplasms

Of a total of 4,796 new neoplasms diagnosed or treated at the Hospital from January 01, 2011 to December 31, 2011, 2,362 were seen in male (49.25%) and 2,434 (50.75%) in female patients. Four thousand, four hundred and thirty seven (4,437 ((92.51%)) neoplasms were found in adults, whereas, 359 (7.49%) were seen in children. Children were classified as those 18 years or less in age and adults as more than 18 years of age. Table 1 shows the stratification of cases by behavior and age-group.

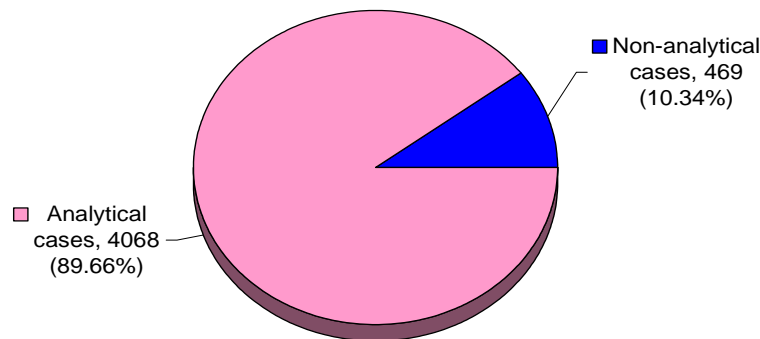
Table 1. Distribution of neoplasms by behavior and age-group.

Behavior	Age Group	Registered patients (4,771)	Reported neoplasm* (4,796)
Malignant ♦	Adults	4174	4194
	Pediatrics	341	343
	Total	4,515	4,537
Benign € & Uncertain Behavior	Adults	240	243
	Pediatrics	16	16
	Total	256	259

Class of Case

Of a total of 4,537 malignant cases registered at the Hospital from January 2011 to December 2011, 4,068 (89.66%) were analytical cases and 469 (10.34%) were found to be non-analytical. Figure 1 shows the stratification of analytical and non-analytical cases[¥].

Fig. 1. Stratification of analytical and non-analytical cases



Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

* The difference in the number of registered patients and reported neoplasms is attributed to multiple malignancies and benign neoplasms diagnosed in 22 and 3 patients respectively. Also 17 patients have both malignant and benign neoplasm simultaneously.

♦ Cases with behavior code /3 and /2 are considered as malignant cases.

€ Cases with behavior code /0 and /1 are considered as benign and uncertain, respectively.

¥ Class of case 0 to 2 and 3 to 9 are considered analytical cases and non-analytical cases respectively according to the Facility Oncology Revised Data Standards (FORDS) Revised for 2004.

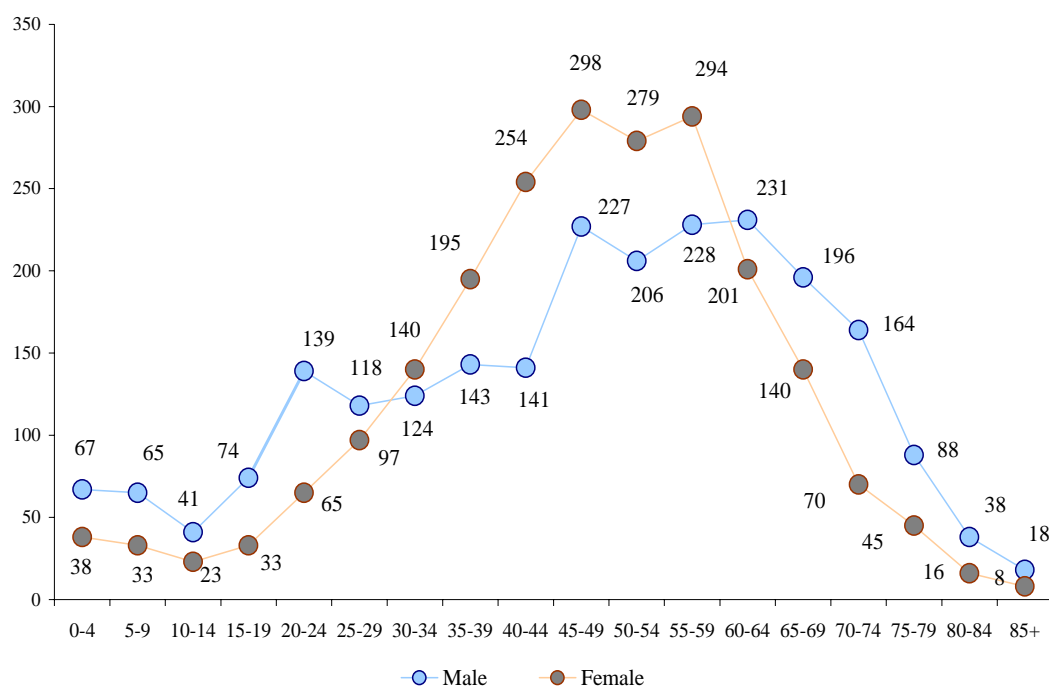
Distribution of malignancies

In the year 2011, 4,537 malignant cases were diagnosed at the Hospital with 2,309 seen amongst males and 2,228 amongst females. Table 2 displays the distributions of male and female patients according to age-groups and gender.

Table 2. Distribution of cancer cases by sex and age-group

Age range	Male	Female	Total
0-4	67	38	105
5-9	65	33	98
10-14	41	23	64
15-19	74	33	107
20-24	139	65	204
25-29	118	97	215
30-34	124	140	264
35-39	143	195	338
40-44	141	254	395
45-49	227	298	525
50-54	206	279	485
55-59	228	294	522
60-64	231	201	432
65-69	196	140	336
70-74	164	70	234
75-79	88	45	133
80-84	38	16	54
85+	18	8	26
Total	2308	2229	4537

Fig. 2. Distribution of malignancies by age-groups and sex



Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

Demographics

Of the 4,537 patients diagnosed with malignant cancers, nearly 67.63% (3,068) belonged to the province of Punjab and approximately 18.02% (817) to the Khyber Pakhtoonkhwa (Table 3). The fact that the geographic area of residence of a vast majority of patients was Punjab can be explained in light of the information that the Hospital is situated in the provincial capital of Punjab and that, this province accounts for almost 60% of the total population of the country.

Table 3. Province-wise distribution of patients

Province/Region	Malignancies	Percentage
Punjab	3,068	67.63
Khyber Pakhtoonkhwa ¹	817	18.02
Sindh	202	4.45
Federal Capital	85	1.88
Balochistan	77	1.67
F.A.T.A	88	1.95
Afghanistan	152	3.35
Azad Jammu & Kashmir	46	1.01
Other countries	2	0.04
Total	4,537	100.00

¹ Khyber Pakhtoonkhwa formerly known as N.W.F.P

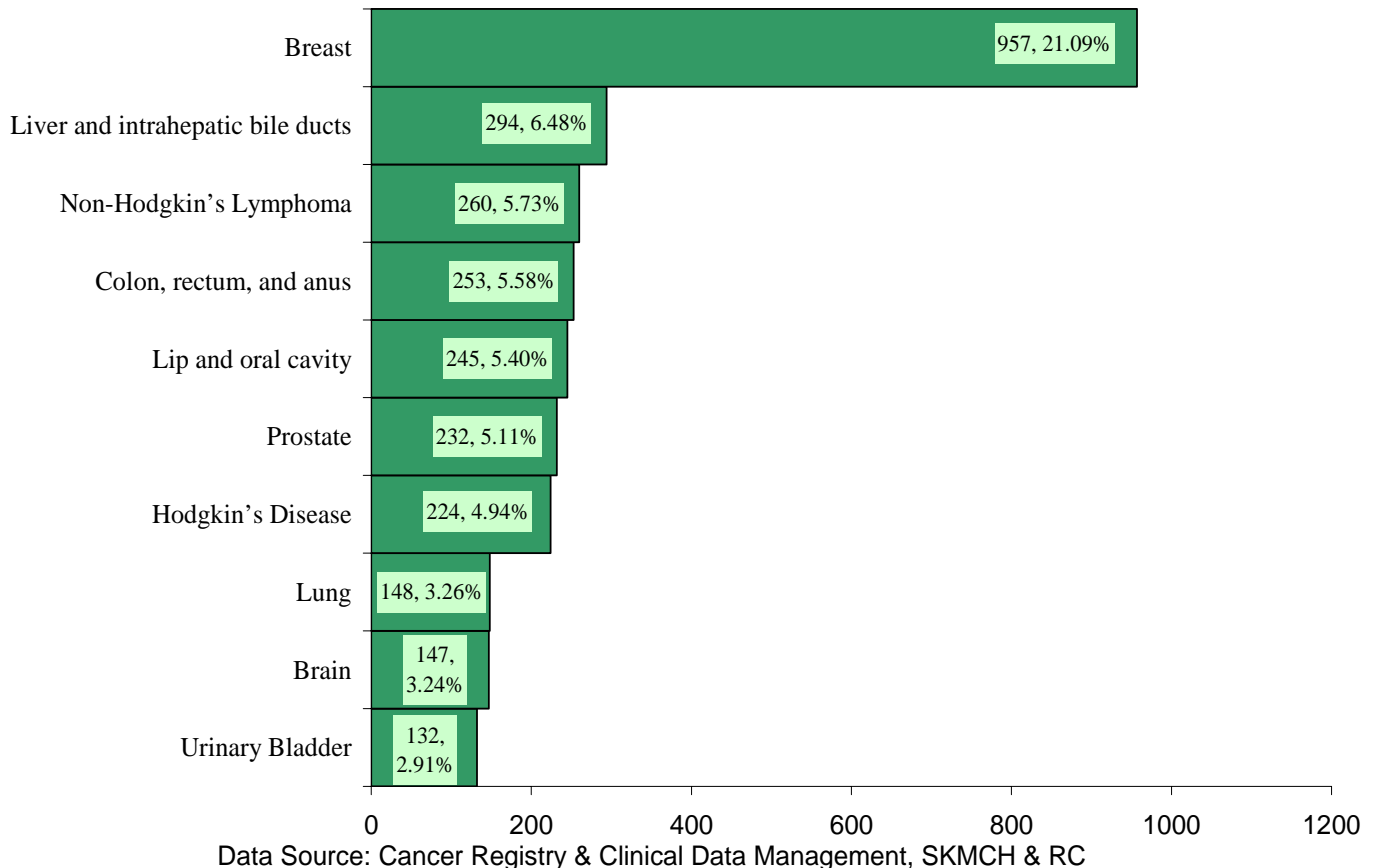
Top Ten Cancers

Table 4 shows the list of the ten commonest malignancies seen at SKMCH & RC during the year 2011. Breast cancer was the leading malignancy with 957 cases accessioned into the Registry. Liver & intra-hepatic bile ducts cancer and Non-Hodgkin's Lymphoma were the second and third most frequently seen cancers, respectively.

Table 4. Top 10 malignancies seen at SKMCH & RC in all age-groups and both sexes combined (Jan. 2011-Dec. 2011).

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Code
1	Breast	957	21.09	C50.0 - C50.9
2	Liver and intrahepatic bile ducts	294	6.48	C22.0 – C22.1
3	Non-Hodgkin's Lymphoma	260	5.73	M9590-91, M967-972
4	Colon, rectum, and anus	253	5.58	C18.0 - C21.8
5	Lip and oral cavity	245	5.40	C00.0 - C08.9
6	Prostate	232	5.11	C61.9
7	Hodgkin's Disease	224	4.94	M9800 - M9948
8	Lung	148	3.26	C34.0 – C34.9
9	Brain	147	3.24	C71.0 – C71.9
10	Urinary Bladder	132	2.91	C67.0 – C67.9

Fig. 3. Top 10 malignancies seen at SKMCH & RC in all age-groups & both sexes combined (Jan. 2011-Dec. 2011).

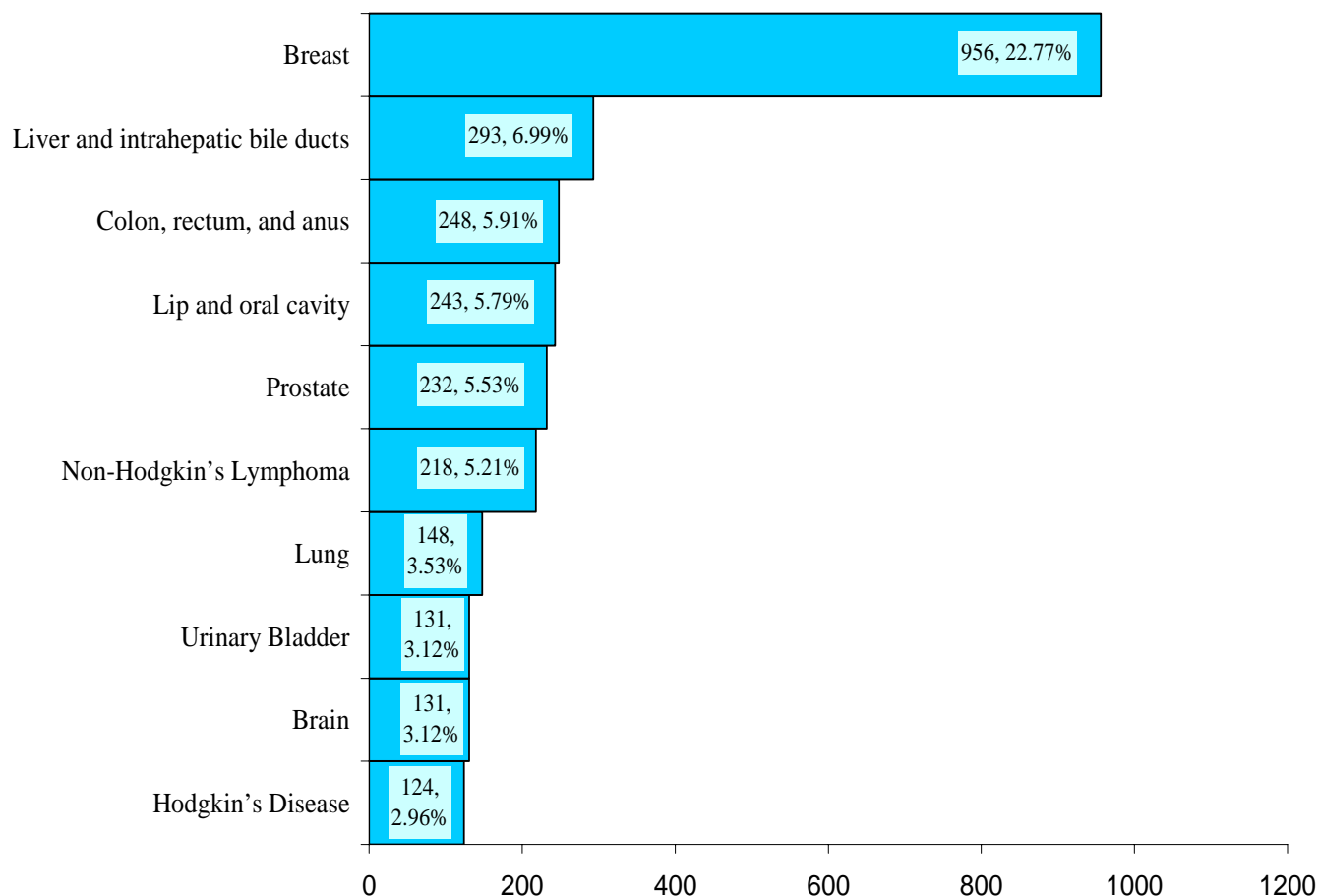


Amongst adults, during the year 2011, a total of 4,199 malignancies were diagnosed or treated at the Hospital. Breast cancer, lip & oral cavity and, liver & intra-hepatic bile ducts were registered as the most frequently seen cancers.

Table 5. Top 10 malignancies seen amongst adults (> 18 years) at SKMCH & RC ((Jan. 2011-Dec. 2011).

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Code
1	Breast	956	22.77	C50 - C50.9
2	Liver and intrahepatic bile ducts	293	6.99	C22.0 – C22.1
3	Colon, rectum, and anus	248	5.91	C18.0 – C21.8
4	Lip and oral cavity	243	5.79	C00.0 – C08.9
5	Prostate	232	5.53	C61.9
6	Non-Hodgkin’s Lymphoma	218	5.21	M9590-91, M967-972
7	Lung	148	3.53	C34.0 – C34.9
8	Brain	131	3.12	C71.0 – C71.9
9	Urinary Bladder	131	3.12	C67.0 – C67.9
10	Hodgkin’s Disease	124	2.96	M9650 - M9667

Fig. 4. Top 10 malignancies seen amongst adults (> 18 years) at SKMCH & RC (Jan. 2011-Dec. 2011)



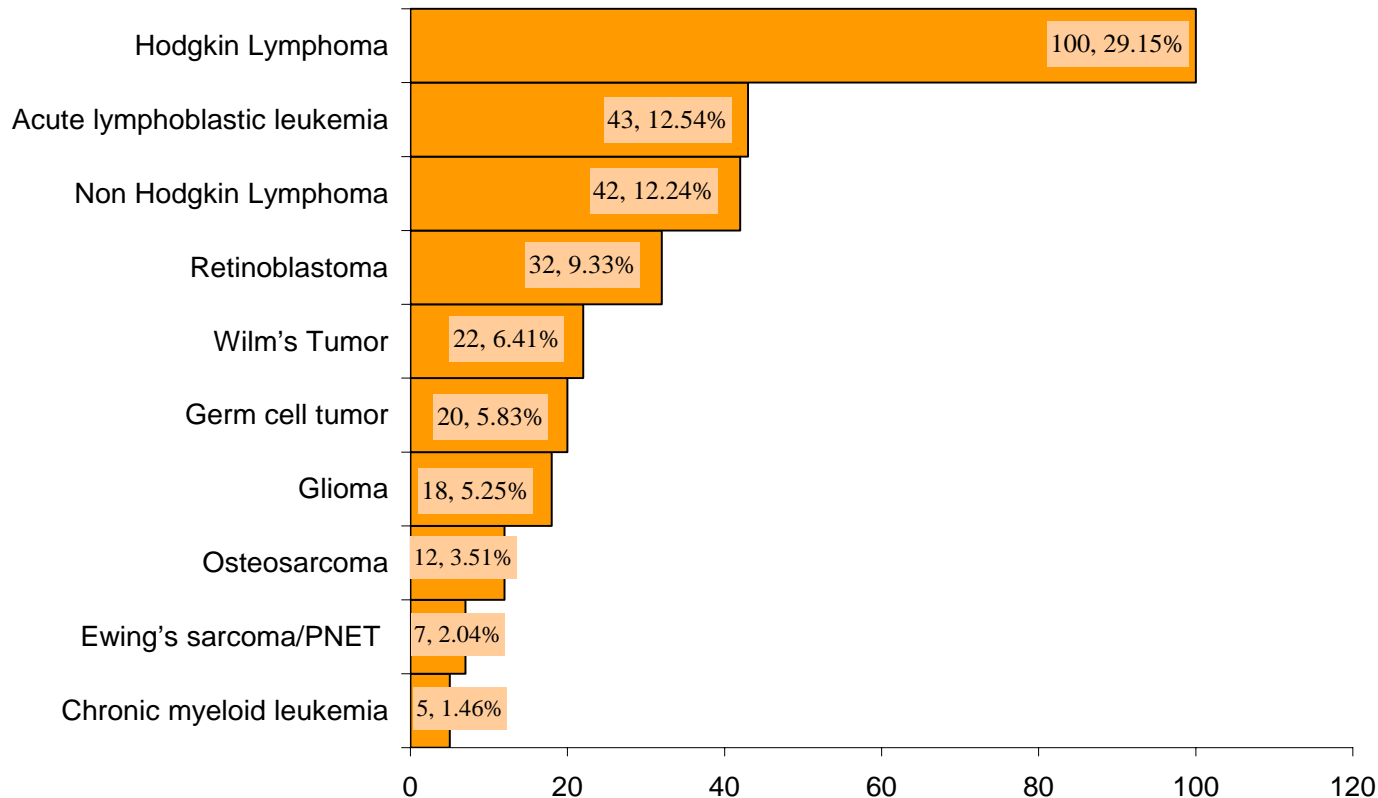
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

In children, using the classification based on tumor morphology, Hodgkin lymphoma, Acute lymphoblastic leukemia, and Non-Hodgkin Lymphoma were identified as the three most common malignancies diagnosed or treated at SKMCH & RC. Table 6 shows the distributions of the top ten malignancies seen in children at SKMCH & RC.

Table 6. Top 10 malignancies seen in children (<= 18 years) at SKMCH & RC (Jan. 2011-Dec. 2011).

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Morphology Code
1	Hodgkin Lymphoma	100	29.15	M9650 - M9667
2	Acute lymphoblastic leukemia	43	12.54	M982- M983
3	Non Hodgkin Lymphoma	42	12.24	M9590, 91- M967-972
4	Retinoblastoma	32	9.33	M9260 - M9364
5	Wilm's Tumor	22	6.41	M938 - M948
6	Germ cell tumor	20	5.83	M9180 - M9195
7	Glioma	18	5.25	M9510 - M9514
8	Osteosarcoma	12	3.51	M906 – M909
9	Ewing's sarcoma/PNET	7	2.04	M9863
10	Chronic myeloid leukemia	5	1.46	M8960

Fig. 5. Top 10 malignancies seen in children (<= 18 years) at SKMCH & RC (Jan. 2011-Dec. 2011).



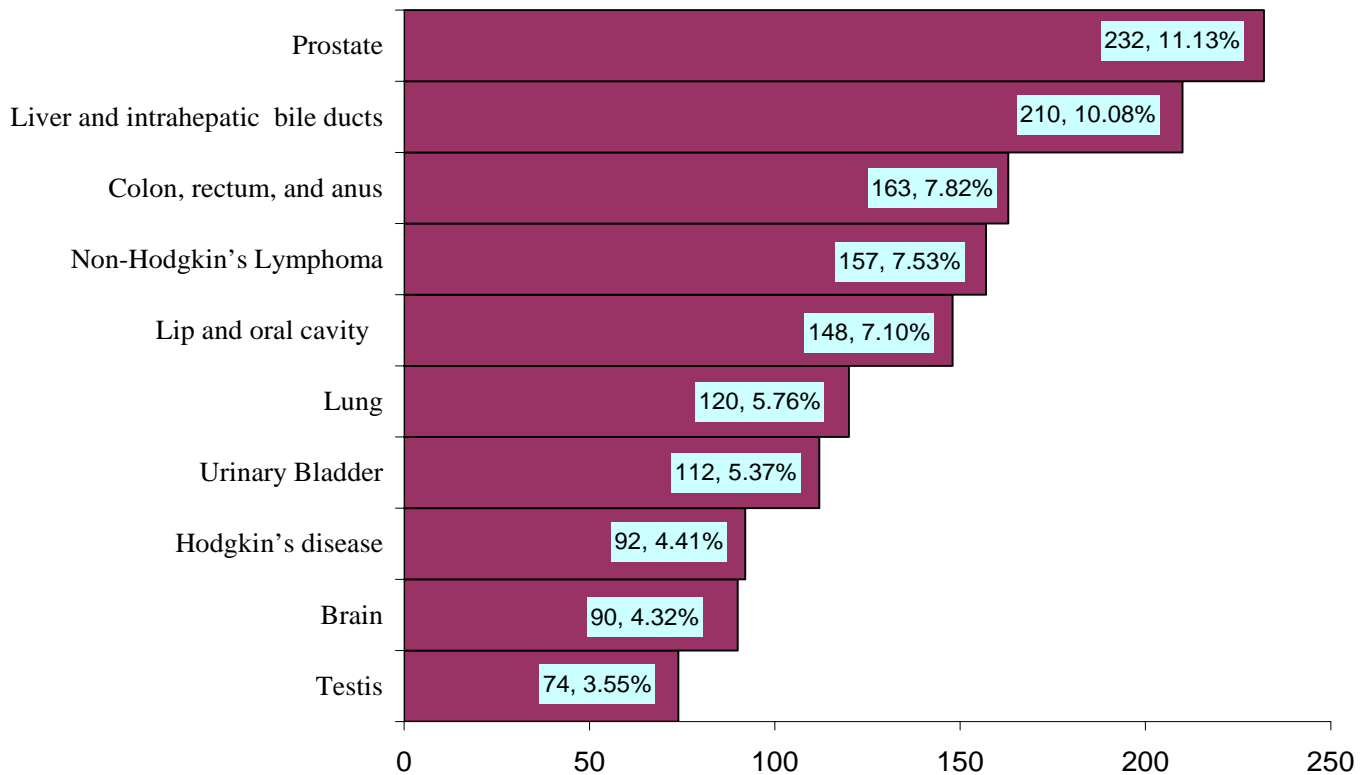
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

In adult males, the commonest malignancies were Prostate cancer, liver and Colorectal (Table 7).

Table 7. Top 10 malignancies in adult males seen at SKMCH & RC (Jan. 2011-Dec. 2011).

Sr.No.	ICD Category	Count	Percentage	ICD-O-3 Code
1	Prostate	232	11.13	C61.9
2	Liver and intrahepatic bile ducts	210	10.08	C22.0 – C22.1
3	Colon, rectum, and anus	163	7.82	C18 - C21.8
4	Non-Hodgkin's Lymphoma	157	7.53	M9590, 91-M967-972
5	Lip and oral cavity	148	7.10	C00.0 – C08.9
6	Lung	120	5.76	C34.0-C34.9
7	Urinary Bladder	112	5.37	C67.0 – C67.9
8	Hodgkin's disease	92	4.41	M9650 - M9667
9	Brain	90	4.32	C71.0-C71.9
10	Testis	74	3.55	C62.0-C62.9

Fig. 6. Top 10 malignancies in adult males seen at SKMCH & RC (Jan. 2011-Dec. 2011).



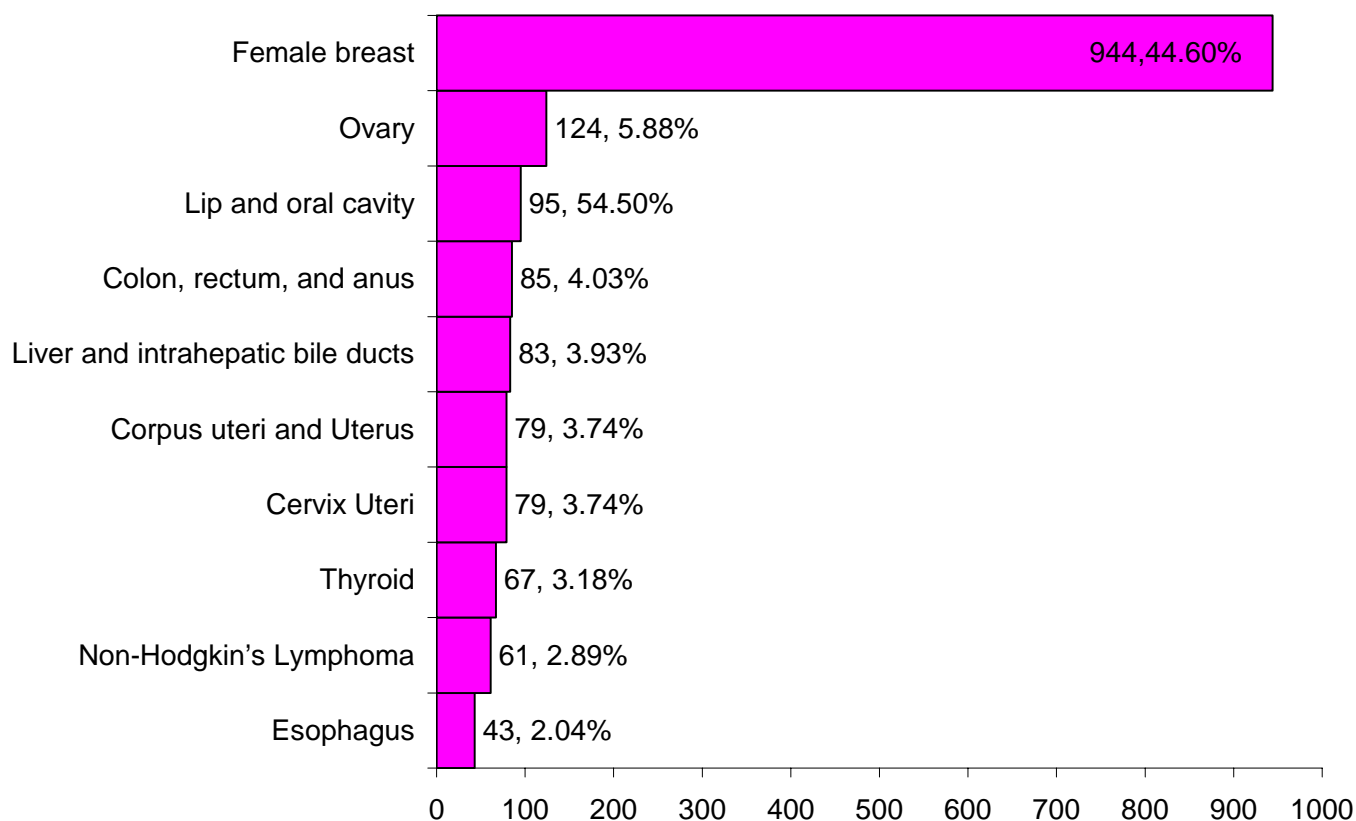
Data Source: Cancer Registry & Clinical Data Management,

The most frequent diagnosis in adult women was breast cancer accounting for 44.60% of the total cancers in females. Ovary was ranked as the second highest cancer accounting for 5.88% and, Lip and oral cavity as the third most common malignancy with 4.50% of the total malignancies in females.

Table 8. Top 10 malignancies seen at SKMCH & RC amongst adult females (Jan. 2011-Dec. 2011).

Sr. No.	ICD Category	Count	Percentage	ICD-O 3 Code
1	Female breast	944	44.74	C50.0 - C50.9
2	Ovary	124	5.88	C56.9
3	Lip and oral cavity	95	4.50	C00.0 – C08.9
4	Colon, rectum, and anus	85	4.03	C18.0 – C21.9
5	Liver and intrahepatic bile ducts	83	3.93	C22.0 – C22.1
6	Cervix Uteri	79	3.74	C53.0 – C53.9
7	Corpus uteri and Uterus	79	3.74	C54.0 – C55.9
8	Thyroid	67	3.18	C73.9
9	Non-Hodgkin's Lymphoma	61	2.89	M9590 – 91, M967-972
10	Esophagus	43	2.04	C15.0 – C15.9

Fig. 7. Top 10 malignancies seen at SKMCH & RC amongst adult females (Jan. 2011-Dec. 2011).



Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

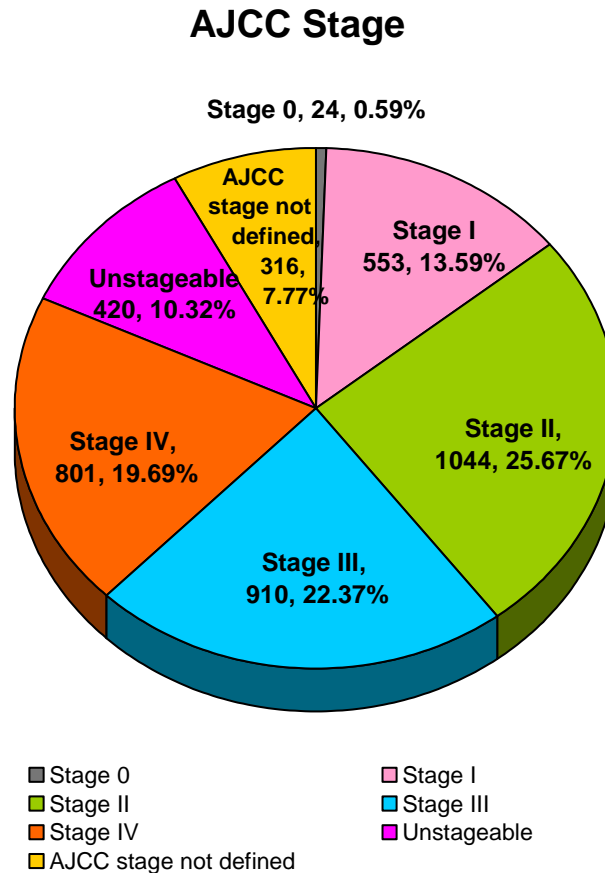
Staging

The Registry uses the American Joint Commission on Cancer TNM staging system for all analytical cancer cases. TNM categorizes cancers in stages 0, 1, 2, 3, 4, unstageable, and not applicable on all analytical cases (Class of case 0, 1, 2). Cancers are classified as being unstageable as the patients may choose not to receive any treatment or undergo further tests at the Hospital needed to establish an appropriate stage. “Not applicable” means non-availability of AJCC staging for that site. During the year 2011, cancer staging for 4,068 analytical cases (class of case 0, 1, 2) showed that 24 (0.59%) cases fell into 0 or in-situ category, 553 (13.59%) in stage I, 1044 (25.67%) in stage II, 910 (22.37%) cases in stage III, and 801 (19.69%) in stage IV, (table 9); 420 (10.32%) cases were unstageable and 316 (7.77%) had no AJCC stage defined for that site.

Table 9. TNM Stage of cancer patients at SKMCH & RC during year 2011.

AJCC Stage	No. of Patients	Percentage
Stage 0	24	0.59
Stage I	553	13.59
Stage II	1044	25.67
Stage III	910	22.37
Stage IV	801	19.69
Unstageable	420	10.32
AJCC stage not defined	316	7.77
Total	4068	100.00

Fig. 8. TNM stage of cancer patients at SKMCH & RC during year 2011.



Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

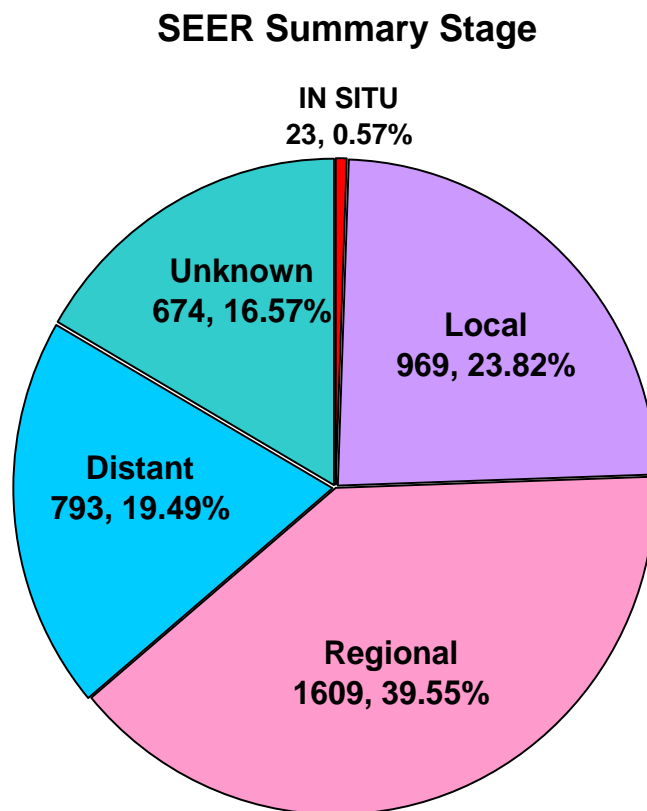
Summary Stage

The SEER Summary Staging Manual-2000 Codes and Coding Instructions were used to describe how far the tumor had spread from the organ or the site of origin. This manual consists of a one digit hierarchical code for each and every site. All analytical cases (Class of case 0, 1, 2) were included to generate results. The cancer data for the year 2011 reflects that there were 0.57% in situ cases, 23.82% localized cancers, 39.55% regional cases, 19.49% distant, and there were 16.57% cases in which the summary stage was unknown.

Table 10. Classification according to the SEER summary stage during the year 2011.

SEER Summary Stage	No. of Patients	Percentage
In-situ	23	0.57
Local	969	23.82
Regional	1609	39.55
Distant	793	19.49
Unknown	674	16.57
Total	4068	100.00

Fig. 9: Classification according to the SEER summary stage during the year 2011.



Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

Grading

International Classification of Diseases for Oncology, Third Edition (ICDO-3) codes and guidelines being used to categorize grades for solid malignancies. All analytical cases (Class of case 0, 1, 2) were included to generate results.

Table 11. Grade of patients during year 2011.

Grade / Differentiation	Count	Percentage
Grade I	294	7.23
Grade II	990	24.34
Grade III	1008	24.78
Grade IV	50	1.23
Grade not determined	1726	42.42
Total	4068	100.00

SUPPLEMENTAL INFORMATION

Table 12 depicts the result stratified by primary sites, age-groups, and gender. According to this, cancers of the breast, oral cavity and colorectal, are the commonest systems/site(s) for malignancies seen at the Hospital.

Table 12. Distribution of Primary Malignant Sites, 2011

FEMALES

ICD-O-3 Code*	Primary Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
C00	Lip	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0	1	6
C01-C02	Tongue	0	0	0	0	0	2	0	6	2	5	5	5	4	4	2	0	0	0	35
C03	Gum	0	0	0	0	0	0	0	0	1	1	2	4	5	1	3	3	0	0	20
C04-C06	Floor & other part of mouth	0	0	0	0	0	0	1	4	2	4	2	2	5	0	2	1	0	0	23
C07-C08	Salivary gland	0	1	0	0	0	2	1	2	0	2	1	4	2	0	1	0	0	0	16
C9-C10	Tonsil & oropharynx	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
C11	Nasopharynx	0	0	0	0	3	2	1	0	2	2	0	0	1	1	0	0	0	0	12
C12-C13	Pyriiform sinus & hypopharynx	0	0	0	0	0	0	1	5	3	3	4	1	2	0	0	0	0	0	19
C14	Other ill-defined sites oral & pharynx	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2
C15	Esophagus	0	0	1	0	1	0	1	2	7	4	5	12	4	4	1	1	1	0	44
C16	Stomach	0	0	0	0	0	0	4	7	4	5	5	5	1	2	1	0	0	0	34
C17	Small Intestine	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	4
C18	Colon	0	0	0	0	0	0	6	2	6	8	4	7	1	0	1	0	0	0	35
C19-C21	Rectum, anal canal & anus	0	0	0	0	3	3	5	7	7	4	7	1	4	7	2	0	0	0	50
C22	Liver & intrahepatic bile duct	0	0	0	0	0	0	0	3	4	5	16	19	17	14	2	2	1	0	83
C23-C24	Gall Bladder & extrahepatic bile duct	0	0	0	0	0	1	1	1	1	5	6	3	4	6	1	1	2	0	32
C25	Pancreas	0	0	0	0	0	1	0	1	0	2	3	2	1	1	0	2	0	0	13
C26	Other ill-defined digestive organs	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	3
C30-C31	Nasal cavity, middle ear and acc. Sinuses	1	0	0	1	0	0	1	0	1	0	0	0	1	1	0	0	0	0	6
C32	Larynx	0	0	0	0	0	1	0	0	0	0	0	1	3	0	0	0	0	1	6
C33-C34	Trachea, bronchus & Lung	0	0	0	0	0	1	2	1	1	5	6	3	2	6	1	0	0	0	28
C37-C38	Thymus, heart, mediastinum & pleura	0	0	0	0	0	0	0	0	1	0	2	0	1	0	2	0	0	0	6
C40-C41	Bone & articular cartilage	1	1	2	7	7	2	1	3	2	0	0	1	0	1	0	0	0	0	28
C44	Skin	0	0	0	1	1	2	3	1	3	1	5	11	5	3	4	2	1	0	43
C47	Peripheral nerves & auto immune nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C48	Peritoneum & Retroperitoneum	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
C49	Connective & soft tissue	1	0	0	1	1	5	4	4	2	3	0	1	0	1	0	0	1	0	24
C50	Breast	0	1	0	0	6	28	57	95	150	161	127	138	77	48	29	19	6	4	946

FEMALES

ICD-O-3 Code	Primary Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
C51-C52	Vulva & Vagina	0	0	0	0	0	1	0	1	2	0	2	5	2	4	0	1	0	0	18
C53	Cervix uteri	0	0	0	0	2	2	1	10	12	14	11	12	9	2	1	3	0	0	79
C54	Corpus uteri	0	0	0	0	1	1	4	1	5	2	11	16	11	8	4	3	0	0	67
C55	Uterus	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	5
C56-C57	Ovary & Uterine adnexa	0	1	3	8	8	5	9	14	3	15	20	14	14	9	4	0	2	2	131
C58	Placenta	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
C64-C68	Kidney & other urinary organ	7	4	0	0	2	0	1	3	1	3	2	7	3	4	0	2	0	0	39
C67	Urinary bladder	0	0	0	0	0	0	2	0	2	1	4	3	2	3	1	1	0	0	19
C69	Eye	12	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	15
C70-C71 ~	Brain	0	5	3	2	5	11	5	5	7	4	11	3	6	2	0	1	1	0	71
C72	Other parts of nervous system	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
C73	Thyroid gland	0	0	1	1	2	8	13	10	7	10	5	6	2	1	3	0	0	0	69
C74-C75	Endocrine gland and related structure	0	1	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	4
C76	Other and ill-defined sites	3	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	6
C80	Unknown primary	0	0	0	1	0	4	1	0	1	4	1	3	9	3	4	2	0	1	34
M965-M966	Hodgkin's lymphoma	0	12	5	9	8	8	3	3	0	5	2	0	0	1	0	0	0	0	56
M9590-91, 967-972	Non Hodgkin's lymphoma	1	1	4	2	10	6	11	3	10	9	6	2	2	0	0	0	1	0	68
M9731-M9732	Multiple myeloma & immuno. neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
M982-M983	Lymphoid Leukemia	10	4	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	18
M984-M993	Myeloid Leukemia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
C42.0, C42.2-4	Other lymphatic, histiocytic & hemato. tissue	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	Total	38	33	23	33	65	97	141	195	254	292	282	293	200	141	72	45	16	9	2229

MALES

ICD-O-3 Code	Primary Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
C00	Lip	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0	1	6
C01-C02	Tongue	0	0	0	0	1	2	5	3	5	4	8	4	6	3	4	1	0	0	46
C03	Gum	0	1	0	0	0	1	2	2	0	5	1	6	5	4	6	0	0	0	33
C04-C06	Floor of mouth	0	0	0	0	1	1	1	2	2	12	11	4	5	6	3	0	0	0	48
C07-C08	Salivary gland	0	0	0	0	1	1	2	1	2	3	1	1	2	0	0	1	1	0	16
C9-C10	Tonsil & oropharynx	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	3
C11	Nasopharynx	0	0	0	4	7	1	4	2	3	4	4	3	2	2	0	0	0	0	36
C12-C13	Pyriiform sinus & hypopharynx	0	0	0	2	0	0	1	4	2	5	1	0	5	1	1	0	0	0	22
C14	Other ill-defined sites lip, oral, pharynx	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
C15	Esophagus	0	0	0	0	0	2	3	6	1	7	7	9	10	5	6	1	0	1	58
C16	Stomach	0	0	0	0	0	1	0	5	4	14	5	5	5	8	9	0	2	0	58
C17	Small intestine	0	0	0	0	0	0	0	0	1	2	4	1	1	1	2	1	0	0	13
C18	Colon	0	1	0	1	6	3	3	4	9	9	10	4	4	4	3	1	0	0	62
C19-C21	Rectum & Anal canal	1	0	0	3	14	10	6	14	10	9	7	7	12	5	4	3	1	0	106
C22	Liver & intrahepatic bile duct	1	0	0	0	0	1	2	4	8	25	31	49	38	29	11	6	5	1	211
C23-C24	Gall Bladder & extrahepatic bile duct	0	0	0	0	0	0	1	2	2	2	3	7	8	3	4	2	1	0	35
C25	Pancreas	0	0	0	0	0	0	0	1	2	2	8	9	5	4	3	0	0	1	35
C30-C31	Nasal cavity, middle ear and acc. Sinuses	0	0	0	0	0	0	0	0	2	3	2	1	2	0	1	2	1	0	14
C32	Larynx	0	0	0	0	0	0	1	3	7	11	10	10	5	9	9	3	2	1	71
C33-C34	Bronchus & Lung	0	0	0	0	2	1	1	1	9	5	9	14	22	19	21	8	5	3	120
C37-C38	Thymus, heart, mediastinum	1	0	0	0	4	1	1	1	1	1	2	1	1	0	2	0	0	0	16
C40-C41	Bone & articular cartilage	0	3	0	8	10	5	3	2	3	4	0	2	1	1	0	0	0	0	42
C44	Skin	0	0	1	1	1	2	3	4	5	6	5	5	5	5	4	2	4	1	54
C47	Peripheral nerves & auto immune nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C48	Retroperitoneum & Peritoneum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C49	Connective & soft tissue	2	1	0	1	11	3	5	1	2	7	0	4	2	2	3	3	0	0	47

MALES

ICD-O-3 Code	Primary Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
C50	Breast	0	0	0	0	1	1	0	1	0	1	1	2	1	1	1	0	0	0	10
C61	Prostate	0	0	0	0	0	0	0	2	3	5	20	17	42	46	45	36	13	3	232
C62	Testis	5	0	0	8	14	13	19	11	6	2	0	2	0	0	0	1	0	0	81
C60,C63	Penis & Other male genital organs	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
C67	Urinary bladder	1	0	0	0	0	0	2	4	10	16	10	20	17	12	7	9	2	3	113
C64-C68	Kidney & other urinary organ	7	4	1	0	1	2	3	5	4	6	6	9	5	4	2	3	0	0	62
C69	Eye	15	3	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	21
C70-C71 ~	Brain	1	1	4	4	15	14	17	15	8	15	8	15	7	6	4	1	0	1	136
C72	Spinal cord & other parts of nervous system	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	4
C73	Thyroid gland	0	0	0	3	2	3	4	10	3	2	2	5	2	3	1	0	0	0	40
C74-C75	Endocrine gland and related structure	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	4
C76	Other and ill-defined sites	2	2	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	8
C80	Unknown primary	0	0	1	0	0	2	2	0	1	0	4	4	8	8	6	3	0	0	39
M965-M962	Hodgkin's lymphoma	3	34	19	24	23	15	10	11	8	10	4	2	1	2	1	1	0	0	168
M9590-91, 967-972	Non hodgkin's lymphoma	6	8	11	14	23	32	19	18	13	26	16	3	1	1	0	0	0	0	191
M9731-M9732	Multiple myeloma & immuno. neoplasms	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
M982-M983	Lymphoid Leukemia	21	5	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	30
M984-M993	Myeloid Leukemia	1	2	3	1	0	1	0	0	1	0	0	0	0	1	0	0	0	1	11
C42.0, C42.2-4	Other lymphatic, histiocytic & hemato. Tissue	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	Total	67	65	41	74	139	118	124	143	141	227	206	228	231	196	164	88	38	18	2308

* Diseases are listed according the International Classification of Diseases for Oncology, Third edition (ICD-O-3) codes.

~ Non-malignant primary intracranial and CNS tumors are also included in the count.

Table 13 - Pathology, site and gender - Year 2011

ICD-O-3 Site	Pathology	Female	Male	Total
C00 Lip	Squamous Cell Carcinoma, Nos	1	6	7
	Squamous Cell Carcinoma, Keratinizing, Nos	1		1
C01-C02 Tongue	Squamous Cell Carcinoma, Nos	32	42	74
	Squamous Cell Carcinoma, Keratinizing, Nos	2	1	3
	Adenoid Cystic Carcinoma		2	2
	Carcinoma, Nos		1	1
	Verrucous Carcinoma, Nos	1		1
C03-C06 Gum, FOM, palate, other & unspecified parts of mouth	Squamous Cell Carcinoma, Nos	35	64	99
	Mucoepidermoid Carcinoma	3	3	6
	Adenoid Cystic Carcinoma	2	3	5
	Squamous Cell Carcinoma, Keratinizing, Nos		4	4
	Carcinoma, Nos	2		2
	Malignant Myoepithelioma		2	2
	Malignant Melanoma, Nos		1	1
	Neoplasm, Malignant	1		1
	Polymorphous Low Grade Adenocarcinoma		1	1
	Rhabdomyosarcoma, Nos		1	1
	Spindle Cell Carcinoma, Nos		1	1
	Squamous Cell Carcinoma, Spindle Cell	1		1
C07-C08 Parotid and other major Salivary glands	Mucoepidermoid Carcinoma	9	5	14
	Adenoid Cystic Carcinoma	2	3	5
	Adenocarcinoma, Nos		3	3
	Carcinoma, Nos	1	2	3
	Acinar Cell Carcinoma	1		1
	Basal Cell Adenocarcinoma	1		1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Mature T-Cell Lymphoma, Nos	1		1
	Mucinous Adenocarcinoma		1	1
	Neoplasm, Malignant	1		1
	Neuroendocrine Carcinoma, Nos	1		1
	Papillary Carcinoma, Nos		1	1
	Squamous Cell Carcinoma, Nos		1	1
C09 Tonsil	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	3	4
	Carcinoma, Nos		2	2
	Squamous Cell Carcinoma, Nos	1	1	2
	Burkitt Lymphoma, Nos		1	1
C11 Nasopharynx	Carcinoma, Nos	6	28	34
	Squamous Cell Carcinoma, Nos	3	3	6
	Carcinoma, Undifferentiated, Nos	1	2	3
	Adenocarcinoma, Nos		2	2
	Malignant Lymphoma, Large B-Cell Diffuse Nos		2	2
	Adenoid Cystic Carcinoma	1		1
	Polymorphous Low Grade Adenocarcinoma	1		1
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos		1	1
C12 Pyriform sinus	Squamous Cell Carcinoma, Nos	2	6	8
C13 Hypopharynx	Squamous Cell Carcinoma, Nos	16	12	28
	Carcinoma, Nos		2	2

ICD-O-3 Site	Pathology	Female	Male	Total
	Adenocarcinoma, Nos		1	1
	Adenoid Cystic Carcinoma		1	1
	Leiomyosarcoma Nos	1		1
C14 Other and ill-defined sites in lip, oral cavity and pharynx	Squamous Cell Carcinoma, Nos	3		3
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
C15 Oesophagus	Squamous Cell Carcinoma, Nos	37	40	77
	Adenocarcinoma, Nos	3	12	15
	Squamous Cell Carcinoma, Keratinizing, Nos	3	4	7
	Signet Ring Cell Carcinoma		2	2
	Mucinous Adenocarcinoma		1	1
C16 Stomach	Adenocarcinoma, Nos	16	30	46
	Signet Ring Cell Carcinoma	15	21	36
	Mucinous Adenocarcinoma	1	1	2
	Neuroendocrine Carcinoma, Nos		2	2
	Carcinoma, Nos		1	1
	Gastrointestinal Stromal Sarcoma		2	2
	Linitis Plastica	1		1
	Malignant Lymphoma, Non-Hodgkin, Nos	1		1
	Squamous Cell Carcinoma, Nos	1		1
C17 Small intestine	Gastrointestinal Stromal Sarcoma	2	6	8
	Adenocarcinoma, Nos	1	6	7
	Neuroendocrine Carcinoma, Nos	1	2	3
	Malignant Lymphoma, Large B-Cell Diffuse Nos	2		2
C18 Colon	Adenocarcinoma, Nos	23	40	63
	Mucinous Adenocarcinoma	6	14	20
	Signet Ring Cell Carcinoma	3	4	7
	Carcinoma, Nos	1	1	2
	Malignant Lymphoma, Large B-Cell Diffuse Nos		2	2
	Adenocarcinoma In Tubulovillous Adenoma	1		1
	Burkitt Lymphoma, Nos	1		1
	Carcinoid Tumor, Nos		1	1
	Neuroendocrine Carcinoma, Nos		1	1
C19 Rectosigmoid Junction	Adenocarcinoma, Nos	4	12	16
	Mucinous Adenocarcinoma	1	3	4
	Signet Ring Cell Carcinoma	2	1	3
	Adenocarcinoma In Tubulovillous Adenoma		1	1
	Carcinoma, Nos		1	1
C20 Rectum	Adenocarcinoma, Nos	23	43	66
	Signet Ring Cell Carcinoma	10	17	27
	Mucinous Adenocarcinoma	2	6	8
	Malignant Melanoma, Nos		3	3
	Adenocarcinoma In Tubulovillous Adenoma	1	1	2
	Carcinoma, Nos		2	2
	Adenocarcinoma In Villous Adenoma		1	1
	Neuroendocrine Carcinoma, Nos		1	1
	Squamous Cell Carcinoma, Nos		1	1
C21 Anus and Anal canal	Adenocarcinoma, Nos	3	2	5
	Squamous Cell Carcinoma, Nos		4	4
	Signet Ring Cell Carcinoma	1	2	3

ICD-O-3 Site	Pathology	Female	Male	Total
	Gastrointestinal Stromal Sarcoma	1	1	2
	Malignant Melanoma, Nos	1	1	2
	Mucinous Adenocarcinoma	1	1	2
	Basaloid Squamous Cell Carcinoma	1		1
	Carcinoma, Nos		1	1
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos		1	1
C22 Liver and intrahepatic ducts	Hepatocellular Carcinoma, Nos	78	199	277
	Cholangiocarcinoma	2	8	10
	Malignant Lymphoma, Large B-Cell Diffuse Nos		2	2
	Adenocarcinoma, Nos		1	1
	Carcinoma, Nos		1	1
	Hepatoblastoma		1	1
	Hepatocellular Carcinoma	1		1
	Hepatocellular Carcinoma, Spindle Cell Variant		1	1
	Neoplasm, Malignant	1		1
C23 Gall Bladder	Adenocarcinoma, Nos	19	12	31
	Carcinoma, Nos	1	4	5
	Mucinous Adenocarcinoma	2		2
	Neuroendocrine Carcinoma, Nos	2		2
	Cholangiocarcinoma		1	1
	Neoplasm, Malignant	1		1
C24 Other and unspecified parts of biliary tract	Adenocarcinoma, Nos	6	16	22
	Cholangiocarcinoma	1		1
	Klatskin Tumor		1	1
	Neoplasm, Malignant	1		1
	Signet Ring Cell Carcinoma		1	1
C25 Pancreas	Adenocarcinoma, Nos	9	25	34
	Carcinoma, Nos	1	5	6
	Neoplasm, Malignant	1	3	4
	Neuroendocrine Carcinoma, Nos	1	2	3
	Signet Ring Cell Carcinoma	1		1
C26 Other and ill-defined digestive organs	Adenocarcinoma, Nos	1	1	2
	Mucinous Adenocarcinoma	1		1
	Signet Ring Cell Carcinoma	1		1
C30 Nasal cavity & Middle ear	Malignant Melanoma, Nos	1	1	2
	Olfactory Neuroblastoma	2		2
	Ewing Sarcoma	1		1
	Mucoepidermoid Carcinoma		1	1
	Neuroendocrine Carcinoma, Nos		1	1
C31 Accessory sinuses	Carcinoma, Nos		5	5
	Squamous Cell Carcinoma, Nos	1	3	4
	Adenoid Cystic Carcinoma	1	1	2
	Precursor B-Cell Lymphoblastic Lymphoma	1	1	2
	Burkitt Lymphoma, Nos		1	1
	Carcinoma In Pleomorphic Adenoma		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
C32 Larynx	Squamous Cell Carcinoma, Nos	4	66	70
	Carcinoma, Nos	1	1	2

ICD-O-3 Site	Pathology	Female	Male	Total
	Carcinoma In Situ, Nos		1	1
	Chondrosarcoma, Nos		1	1
	Neuroendocrine Carcinoma, Nos	1		1
	Spindle Cell Carcinoma, Nos		1	1
	Squamous Cell Carcinoma In Situ, Nos		1	1
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
C34 Bronchus & Lung	Adenocarcinoma, Nos	19	30	49
	Squamous Cell Carcinoma, Nos	3	45	48
	Non-Small Cell Carcinoma (C34._)	1	17	18
	Small Cell Carcinoma, Nos		12	12
	Neuroendocrine Carcinoma, Nos		6	6
	Carcinoma, Nos	2	1	3
	Adenosquamous Carcinoma		2	2
	Bronchiolo-Alveolar Adenocarcinoma, Nos	1	1	2
	Ewing Sarcoma		2	2
	Synovial Sarcoma, Nos	1	1	2
	Carcinoma, Undifferentiated, Nos		1	1
	Non Small Cell Carcinoma, Nos		1	1
	Pleomorphic Rhabdomyosarcoma, Adult Type		1	1
	Pulmonary Blastoma		1	1
	Squamous Cell Carcinoma, Keratinizing, Nos	1		1
C37 Thymus	Thymoma, Malignant, Nos	1	1	2
	Thymoma, Type Ab, Malignant	1	1	2
	Carcinoma, Nos		1	1
	Thymoma, Type B2, Malignant		1	1
C38 Heart, Mediastinum & Pleura	Neuroendocrine Carcinoma, Nos	2	2	4
	Squamous Cell Carcinoma, Nos		3	3
	Malignant Lymphoma, Large B-Cell Diffuse Nos		2	2
	Mesothelioma, Malignant	1	1	2
	Seminoma, Nos		2	2
	Teratoma, Malignant, Nos	1	1	2
	Germinoma		1	1
	Malignant Peripheral Nerve Sheath Tumor		1	1
	Mixed Germ Cell Tumor		1	1
	Precursor T-Cell Lymphoblastic Lymphoma		1	1
C40 C41 Bones, Joints & Articular Cartilage	Osteosarcoma, Nos	9	17	26
	Ewing Sarcoma	12	13	25
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	8	9
	Chondroblastic Osteosarcoma	1	3	4
	Chondrosarcoma, Nos		4	4
	Chordoma, Nos	1	2	3
	Burkitt Lymphoma, Nos	1	1	2
	Parosteal Osteosarcoma	2		2
	Adamantinoma Of Long Bones	1		1
	Ameloblastoma, Malignant	1		1
	Malignant Peripheral Nerve Sheath Tumor		1	1
	Odontogenic Tumor, Malignant		1	1
	Synovial Sarcoma, Nos		1	1
	Telangiectatic Osteosarcoma	1		1

ICD-O-3 Site	Pathology	Female	Male	Total
C42 Hematopoietic and reticuloendothelial system	Precursor B-Cell Lymphoblastic Leukemia	13	28	41
	Chronic Myeloid Leukemia, Nos		6	6
	Acute Myeloid Leukemia, Nos	1	4	5
	Precursor T-Cell Lymphoblastic Leukemia	3	1	4
	B-Cell Chronic Lymphocytic Leukemia/Small Lymphocytic Lym	2	1	3
	Acute Biphentypic Leukemia	1		1
	Acute Myeloid Leukemia, Minimal Differentiation Fab M0		1	1
	Multiple Myeloma	1		1
	Polycythemia Vera		1	1
	Splenic Marginal Zone B-Cell Lymphoma		1	1
C44 Skin	Squamous Cell Carcinoma, Nos	16	28	44
	Basal Cell Carcinoma, Nos	15	17	32
	Malignant Melanoma, Nos	3	4	7
	Sebaceous Adenocarcinoma	3	2	5
	Basal Cell Carcinoma, Nodular	2	1	3
	Dermatofibrosarcoma, Nos	2		2
	Adenoid Cystic Carcinoma		1	1
	Carcinoma, Nos	1		1
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1		1
	Paraganglioma, Malignant		1	1
Skin Appendage Carcinoma	1		1	
C47 Peripheral nerves & auto-immune N.S.	Malignant Peripheral Nerve Sheath Tumor		1	1
C48 Retroperitoneum & Peritoneum	Leiomyosarcoma Nos	1		1
	Liposarcoma, Nos	1		1
C49 Connective, subcutaneous & other soft tissues	Synovial Sarcoma, Nos	8	8	16
	Leiomyosarcoma Nos	4	6	10
	Sarcoma, Nos	4	3	7
	Pleomorphic Liposarcoma		4	4
	Rhabdomyosarcoma, Nos	3	1	4
	Myxoid Liposarcoma		3	3
	Clear Cell Sarcoma, Nos		2	2
	Dermatofibrosarcoma, Nos		2	2
	Ewing Sarcoma		2	2
	Malignant Peripheral Nerve Sheath Tumor		2	2
	Spindle Cell Sarcoma	1	1	2
	Embryonal Rhabdomyosarcoma, Nos		1	1
	Epithelioid Sarcoma		1	1
	Epithelioid Leiomyosarcoma	1		1
	Fibrosarcoma, Nos		1	1
	Giant Cell Sarcoma		1	1
	Hemangiosarcoma		1	1
	Liposarcoma, Nos		1	1
	Malignant Fibrous Histiocytoma		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Myxoid Leiomyosarcoma		1	1
	Myxosarcoma		1	1
	Neuroblastoma, Nos	1		1
Peripheral Neuroectodermal Tumor		1	1	
Pleomorphic Rhabdomyosarcoma, Adult Type		1	1	

ICD-O-3 Site	Pathology	Female	Male	Total
	Synovial Sarcoma, Spindle Cell	1		1
C50 Breast	Infiltrating Duct Carcinoma, Nos	808	6	814
	Lobular Carcinoma, Nos	43		43
	Carcinoma, Nos	15	2	17
	Mucinous Adenocarcinoma	11		11
	Ductal Carcinoma In Situ, Solid Type	9		9
	Infiltrating Duct Mixed With Other Types Of Carcinoma	9		9
	Inflammatory Carcinoma	9		9
	Intraductal Carcinoma, Noninfiltrating, Nos	7		7
	Papillary Carcinoma, Nos	4	2	6
	Paget Disease And Infiltrating Duct Carcinoma Of Breast	5		5
	Infiltrating Duct And Lobular Carcinoma	4		4
	Intracystic Carcinoma, Nos	3		3
	Paget Disease And Intraductal Carcinoma Of Breast	3		3
	Phyllodes Tumor, Malignant	3		3
	Comedocarcinoma, Noninfiltrating	2		2
	Metaplastic Carcinoma, Nos	2		2
	Paget Disease, Mammary	2		2
	Adenocarcinoma, Nos	1		1
	Carcinosarcoma, Nos	1		1
	Cribriform Carcinoma In Situ	1		1
	Infiltrating Ductular Carcinoma	1		1
	Intraductal Micropapillary Carcinoma	1		1
	Malignant Lymphoma, Non-Hodgkin, Nos	1		1
	Marginal Zone B-Cell Lymphoma, Nos	1		1
	Mucoepidermoid Carcinoma		1	1
	Paget Disease And Infiltrating Duct Carcinoma Of Breast	1		1
	Secretory Carcinoma Of Breast	1		1
C51 Vulva	Squamous Cell Carcinoma, Nos	8		8
	Squamous Cell Carcinoma, Keratinizing, Nos	2		2
	Basal Cell Carcinoma, Nos	1		1
	Carcinoma, Nos	1		1
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos	1		1
C52 Vagina	Adenocarcinoma, Nos	1		1
	Squamous Cell Carcinoma In Situ, Nos	1		1
	Squamous Cell Carcinoma, Keratinizing, Nos	1		1
	Squamous Cell Carcinoma, Nos	1		1
C53 Cervix uteri	Squamous Cell Carcinoma, Keratinizing, Nos	24		24
	Squamous Cell Carcinoma, Nos	19		19
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos	17		17
	Adenocarcinoma, Nos	9		9
	Squamous Cell Carcinoma, Small Cell, Nonkeratinizing	2		2
	Adenosquamous Carcinoma	1		1
	Carcinoma In Situ, Nos	1		1
	Carcinoma, Nos	1		1
	Carcinosarcoma, Nos	1		1
	Endometrioid Adenocarcinoma, Nos	1		1
	Mucinous Adenocarcinoma	1		1
	Papillary Squamous Cell Carcinoma	1		1

ICD-O-3 Site	Pathology	Female	Male	Total
C54 Corpus uteri	Endometrioid Adenocarcinoma, Nos	59		59
	Adenocarcinoma, Nos	4		4
	Carcinosarcoma, Nos	4		4
	Endometrial Stromal Sarcoma, Nos (C54.1)	3		3
	Carcinoma, Nos	1		1
	Clear Cell Adenocarcinoma, Nos	1		1
	Myxoid Leiomyosarcoma	1		1
C55 Uterus, NOS	Endometrioid Adenocarcinoma, Nos	2		2
	Leiomyosarcoma Nos	2		2
	Sarcoma, Nos	1		1
C56 Ovary	Papillary Serous Cystadenocarcinoma	27		27
	Serous Cystadenocarcinoma, Nos	15		15
	Adenocarcinoma, Nos	13		13
	Endometrioid Adenocarcinoma, Nos	12		12
	Carcinoma, Nos	9		9
	Dysgerminoma	9		9
	Mucinous Cystadenocarcinoma, Nos	7		7
	Clear Cell Adenocarcinoma, Nos	6		6
	Granulosa Cell Tumor, Malignant	4		4
	Mixed Germ Cell Tumor	4		4
	Mucinous Adenocarcinoma	4		4
	Neoplasm, Malignant	4		4
	Carcinoma, Undifferentiated, Nos	3		3
	Yolk Sac Tumor	3		3
	Brenner Tumor, Malignant	1		1
	Carcinosarcoma, Nos	1		1
	Cystadenocarcinoma, Nos	1		1
	Fibrosarcoma, Nos	1		1
	Germinoma	1		1
	Leiomyosarcoma Nos	1		1
	Papillary Cystadenocarcinoma, Nos	1		1
	Papillary Mucinous Cystadenocarcinoma	1		1
	Serous Surface Papillary Carcinoma	1		1
Squamous Cell Carcinoma, Spindle Cell	1		1	
Teratoma, Malignant, Nos	1		1	
C57 Other & unspec. female genital organs	Squamous Cell Carcinoma, Small Cell, Nonkeratinizing	1		1
C58 Placenta	Choriocarcinoma, Nos	3		3
C60 Penis	Squamous Cell Carcinoma, Nos		1	1
C61 Prostate	Adenocarcinoma, Nos		205	205
	Carcinoma, Nos		25	25
	Ewing Sarcoma		1	1
	Pseudosarcomatous Carcinoma		1	1
C62 Testis	Mixed Germ Cell Tumor		30	30
	Seminoma, Nos		27	27
	Yolk Sac Tumor		9	9
	Embryonal Carcinoma, Nos		5	5
	Teratoma, Malignant, Nos		5	5
	Germ Cell Tumor, Nonseminomatous		4	4
	Germinoma		1	1

ICD-O-3 Site	Pathology	Female	Male	Total
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Spermatocytic Seminoma		1	1
C64 Kidney	Renal Cell Carcinoma, Nos	14	38	52
	Nephroblastoma, Nos	12	13	25
	Renal Cell Carcinoma, Chromophobe Type	2	2	4
	Adenocarcinoma, Nos		2	2
	Carcinoma, Nos	2		2
	Neoplasm, Malignant	2		2
	Papillary Adenocarcinoma, Nos	1	1	2
	Transitional Cell Carcinoma, Nos	1	1	2
	Clear Cell Adenocarcinoma, Nos	1		1
	Clear Cell Sarcoma Of Kidney	1		1
	Collecting Duct Carcinoma		1	1
	Cyst-Associated Renal Cell Carcinoma	1		1
	Ewing Sarcoma		1	1
	Oxyphilic Adenocarcinoma		1	1
	Primitive Neuroectodermal Tumor, Nos		1	1
	Renal Cell Carcinoma, Sarcomatoid	1		1
	Synovial Sarcoma, Nos	1		1
C65 Renal Pelvis	Transitional Cell Carcinoma, Nos		1	1
C67 Bladder	Transitional Cell Carcinoma, Nos	11	79	90
	Papillary Transitional Cell Carcinoma	7	31	38
	Adenocarcinoma, Nos	1	1	2
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Neuroendocrine Carcinoma, Nos		1	1
	Small Cell Carcinoma, Nos		1	1
C69 Eye & adnexa	Retinoblastoma, Nos	15	19	34
	Adenoid Cystic Carcinoma		1	1
	Embryonal Rhabdomyosarcoma, Nos		1	1
	Retinoblastoma, Undifferentiated		1	1
C70 Meninges	Meningioma, Nos	7	15	22
	Meningothelial Meningioma	1	1	2
	Meningioma, Malignant	1		1
	Psammomatous Meningioma		1	1
C71 Brain	Glioblastoma, Nos	17	25	42
	Glioma, Malignant	15	27	42
	Astrocytoma, Nos	4	14	18
	Oligodendroglioma, Nos	3	9	12
	Medulloblastoma, Nos	3	4	7
	Astrocytoma, Anaplastic	2	3	5
	Pilocytic Astrocytoma	2	3	5
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	2	3
	Ependymoma, Nos	2		2
	Gemistocytic Astrocytoma		2	2
	Gliosarcoma	1	1	2
	Neoplasm, Malignant		2	2
	Neoplasm, Uncertain Whether Benign Or Malignant	1	1	2
	Oligodendroglioma, Anaplastic		2	2
	Primitive Neuroectodermal Tumor, Nos	1	1	2

ICD-O-3 Site	Pathology	Female	Male	Total
	Dysembryoplastic Neuroepithelial Tumor		1	1
	Ganglioglioma, Nos	1		1
	Hemangiopericytoma, Malignant		1	1
	Mixed Glioma		1	1
	Neurilemoma, Nos		1	1
	Pleomorphic Xanthoastrocytoma		1	1
C72 Spinal cord, cranial nerves & other parts of CNS	Myxopapillary Ependymoma	1	1	2
	Neurilemoma, Nos	1	1	2
	Astrocytoma, Nos		1	1
	Chordoma, Nos		1	1
	Ependymoma, Nos		1	1
	Glioblastoma, Nos		1	1
	Glioma, Malignant		1	1
	Neuroblastoma, Nos	1		1
	Pilocytic Astrocytoma	1		1
	Plasmacytoma, Nos		1	1
C73 Thyroid gland	Papillary Carcinoma, Nos	46	25	71
	Medullary Carcinoma, Nos	3	6	9
	Papillary Carcinoma, Follicular Variant	8	1	9
	Follicular Adenocarcinoma, Nos	3	3	6
	Follicular Carcinoma, Minimally Invasive	4	2	6
	Oxyphilic Adenocarcinoma	2		2
	Papillary Adenocarcinoma, Nos		2	2
	Carcinoma, Undifferentiated, Nos		1	1
	Insular Carcinoma	1		1
	Neoplasm, Malignant	1		1
	Papillary Microcarcinoma	1		1
C74 Adrenal gland	Adrenal Cortical Carcinoma	2	3	5
	Carcinoma, Nos	1		1
	Ganglioneuroblastoma		1	1
	Neoplasm, Malignant	1		1
	Pheochromocytoma, Malignant	1		1
C75 Other endocrine glands & related structures	Pituitary Adenoma, Nos	7	12	19
	Craniopharyngioma (C75.2)		4	4
C76 Other & ill-defined sites	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	2	3
	Mixed Germ Cell Tumor	2	1	3
	Yolk Sac Tumor	2	1	3
	Gastrointestinal Stromal Sarcoma		1	1
	Burkitt Lymphoma, Nos	1		1
	Malignant Melanoma, Nos		1	1
	Mature T-Cell Lymphoma, Nos	1		1
	Neoplasm, Malignant	1		1
	Neuroblastoma, Nos	1		1
	Squamous Cell Carcinoma, Nos		1	1
	Teratoma, Malignant, Nos		1	1
C77 Lymph nodes	Malignant Lymphoma, Large B-Cell Diffuse Nos	29	104	133
	Hodgkin Lymphoma, Mixed Cellularity, Nos	20	68	88
	Hodgkin Lymphoma, Nodular Sclerosis, Nos	16	47	63
	Hodgkin Lymphoma, Nos	15	46	61

ICD-O-3 Site	Pathology	Female	Male	Total
	Anaplastic Large Cell Lymphoma, T Cell And Null Cell Type	4	13	17
	Burkitt Lymphoma, Nos	5	11	16
	Precursor T-Cell Lymphoblastic Lymphoma	2	7	9
	Malignant Lymphoma, Non-Hodgkin, Nos	4	4	8
	Follicular Lymphoma, Grade 2	4	1	5
	Hodgkin Lymphoma, Nodular Lymphocyte Predominance	2	3	5
	Hodgkin Lymphoma, Lymphocyte-Rich	2	2	4
	Follicular Lymphoma, Nos		3	3
	Hodgkin Lymphoma, Nodular Sclerosis, Grade 2	1	2	3
	Mature T-Cell Lymphoma, Nos		3	3
	Nk/T-Cell Lymphoma, Nasal And Nasal-Type		3	3
	Precursor B-Cell Lymphoblastic Lymphoma	1	2	3
	Follicular Lymphoma, Grade 1	1	1	2
	Follicular Lymphoma, Grade 3	1	1	2
	Langerhans Cell Histiocytosis, Disseminated	1		1
	Malignant Histiocytosis		1	1
	Malignant Lymphoma, Lymphoplasmacytic		1	1
	Malignant Lymphoma, Small B Lymphocytic, Nos		1	1
	Mantle Cell Lymphoma		1	1
	Marginal Zone B-Cell Lymphoma, Nos		1	1
C80 Unknown primary site	Neoplasm, Malignant	9	15	24
	Adenocarcinoma, Nos	10	12	22
	Carcinoma, Nos	11	8	19
	Neuroendocrine Carcinoma, Nos	1	2	3
	Squamous Cell Carcinoma, Nos		2	2
	Adenoid Cystic Carcinoma	1		1
	Leiomyosarcoma Nos	1		1
	Mucinous Adenocarcinoma	1		1
Grand Total		2229	2308	4537