

ANNUAL CANCER REGISTRY REPORT-2012

CANCER STATISTICS

Distribution of neoplasms

Of a total of 5,144 new neoplasms diagnosed or treated at the Hospital from January 01, 2012 to December 31, 2012, 2,492 were seen in male (48.44%) and 2,652 (51.56%) in female patients. Four thousand, six hundred and thirty six (4,636 ((90.07%)) neoplasms were found in adults, whereas, 508 (9.93%) 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.

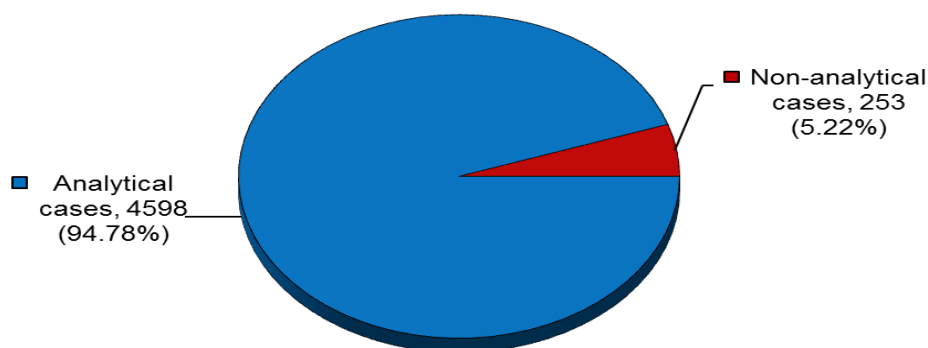
Table 1. Distribution of neoplasms by behavior and age-group.

Behavior	Age Group	Registered patients (5,080)	Reported neoplasm* (5144)
Malignant[†]	Adults	4,305	4,357
	Pediatrics	491	494
	Total	4,796	4,851
Benign[‡] & Uncertain Behavior	Adults	270	279
	Pediatrics	14	14
	Total	284	293

Class of Case

Of a total of 4,851 malignant cases registered at the Hospital from January 2012 to December 2012, 4,598 (94.78%) were analytical cases and 253 (5.22%) 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 55 and 9 patients respectively. Also 65 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.

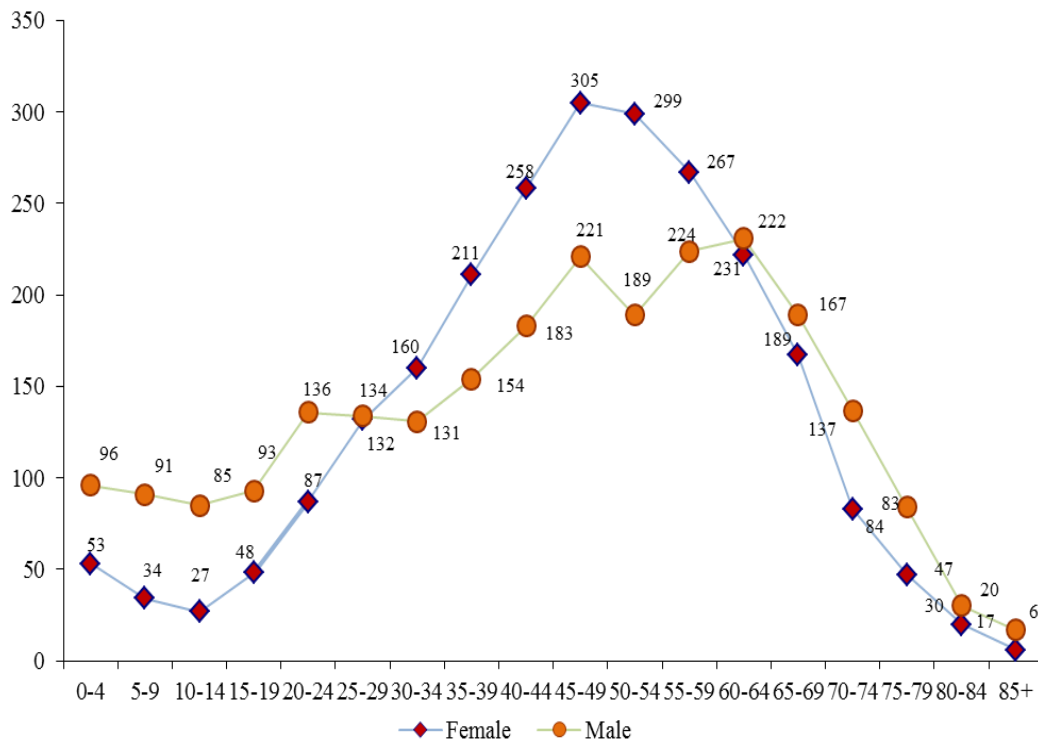
Distribution of malignancies

In the year 2012, 4,851 malignant cases were diagnosed at the Hospital with 2,426 seen amongst females and 2,425 amongst males. Table 2 displays the distributions of female and male patients according to age-groups and gender.

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

Age range	Female	Male	Total
0-4	53	96	149
5-9	34	91	125
10-14	27	85	112
15-19	48	93	141
20-24	87	136	223
25-29	132	134	266
30-34	160	131	291
35-39	211	154	365
40-44	258	183	441
45-49	305	221	526
50-54	299	189	488
55-59	267	224	491
60-64	222	231	453
65-69	167	189	356
70-74	83	137	220
75-79	47	84	131
80-84	20	30	50
85+	6	17	23
Total	2426	2425	4851

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



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

Demographics

Of the 4,851 patients diagnosed with malignant cancers, nearly 64.42% (3,125) belonged to the province of Punjab and approximately 19.48% (945) 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	3,125	64.42
Khyber Pakhtoonkhwa[1]	945	19.48
Sindh	264	5.44
F.A.T.A	127	2.62
Balochistan	78	1.61
Federal Capital	46	0.95
Azad Jammu & Kashmir	42	0.87
Afghanistan & others countries	224	4.61
Total	4,851	100.00

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

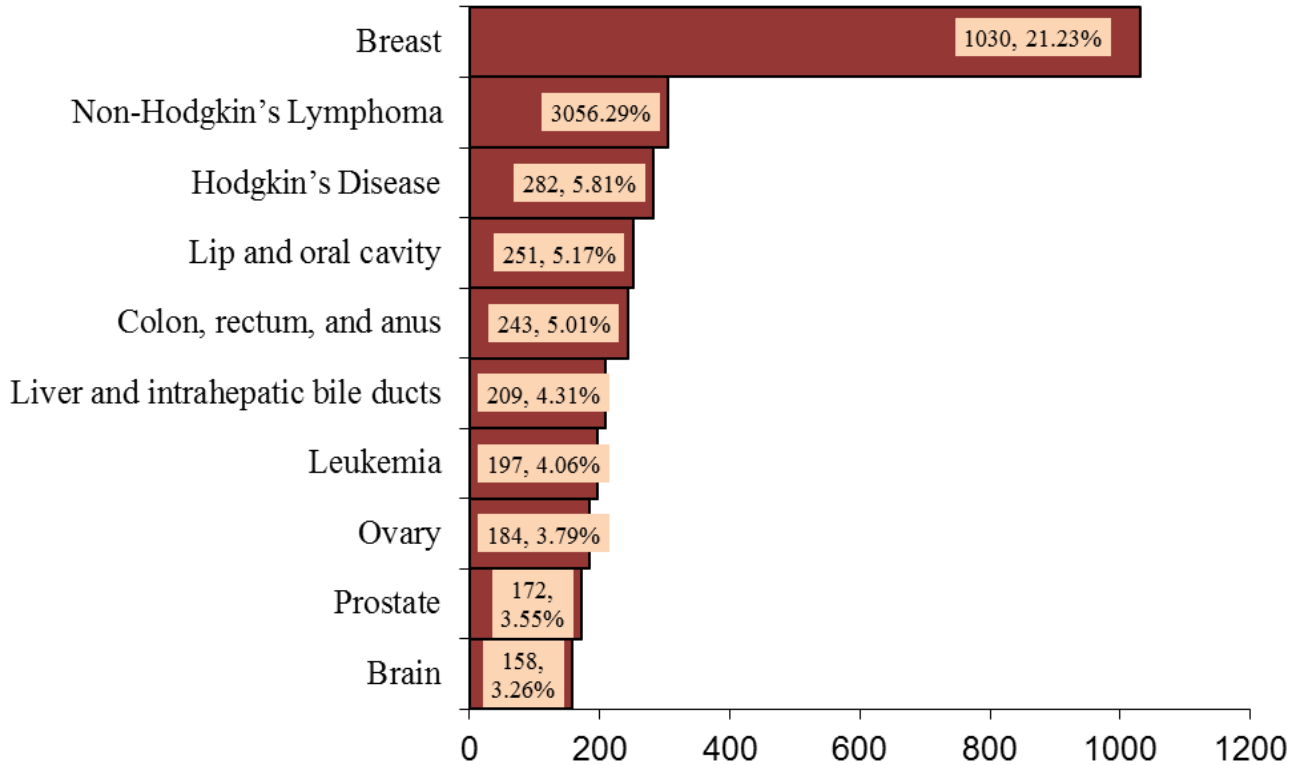
Top Ten Cancers

Tables 4 to 8 show the list of the ten commonest malignancies seen at SKMCH & RC during the year 2012. Breast cancer was the leading malignancy with 1030 cases accessioned into the Registry. Non-Hodgkin's Lymphoma and Hodgkin's Disease were the second and third most frequently seen cancers, respectively.

Table 4. Top 10 malignancies seen amongst all age-groups & both sexes combined, from Jan. 2012 to Dec. 2012.

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Code
1	Breast	1030	21.23	C50.0 - C50.9
2	Non-Hodgkin's Lymphoma	305	6.29	M9590-91, M967-972
3	Hodgkin's Disease	282	5.81	M9650 - M9667
4	Lip and oral cavity	251	5.17	C00.0 - C08.9
5	Colon, rectum, and anus	243	5.01	C18.0 - C21.8
6	Liver and intrahepatic bile ducts	209	4.31	C22.0 – C22.1
7	Leukemia	197	4.06	M9800 - M9948
8	Ovary	184	3.79	C56.9
9	Prostate	172	3.55	C61.9
10	Brain	158	3.26	C71.0 – C71.9

Fig. 3. Top 10 malignancies seen amongst all age-groups & both sexes combined, from Jan. 2012 to Dec. 2012.



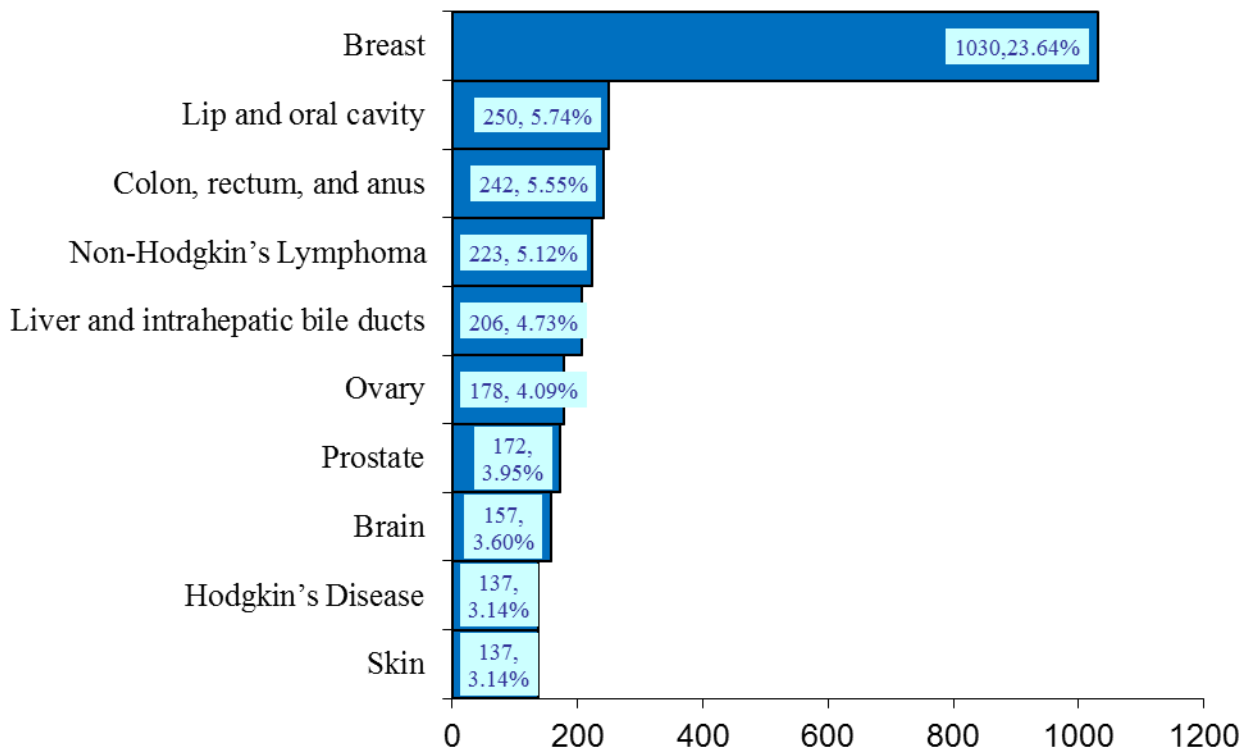
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

Amongst adults, during the year 2012, a total of 4,357 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), from Jan. 2012 to Dec. 2012.

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Code
1	Breast	1030	23.64	C50 - C50.9
2	Lip and oral cavity	250	5.74	C00.0 - C08.9
3	Colon, rectum, and anus	242	5.55	C18.0 – C21.8
4	Non-Hodgkin’s Lymphoma	223	5.12	M9590-91, M967-972
5	Liver and intrahepatic bile ducts	206	4.73	C22.0 – C22.1
6	Ovary	178	4.09	C56.9
7	Prostate	172	3.95	C61.9
8	Brain	157	3.60	C71.0 – C71.9
9	Hodgkin’s Disease	137	3.14	M9650 - M9667
10	Skin	137	3.14	C44.0 – C44.9

Fig. 4. Top 10 malignancies seen amongst adults (> 18 years), from Jan. 2012 to Dec. 2012.



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

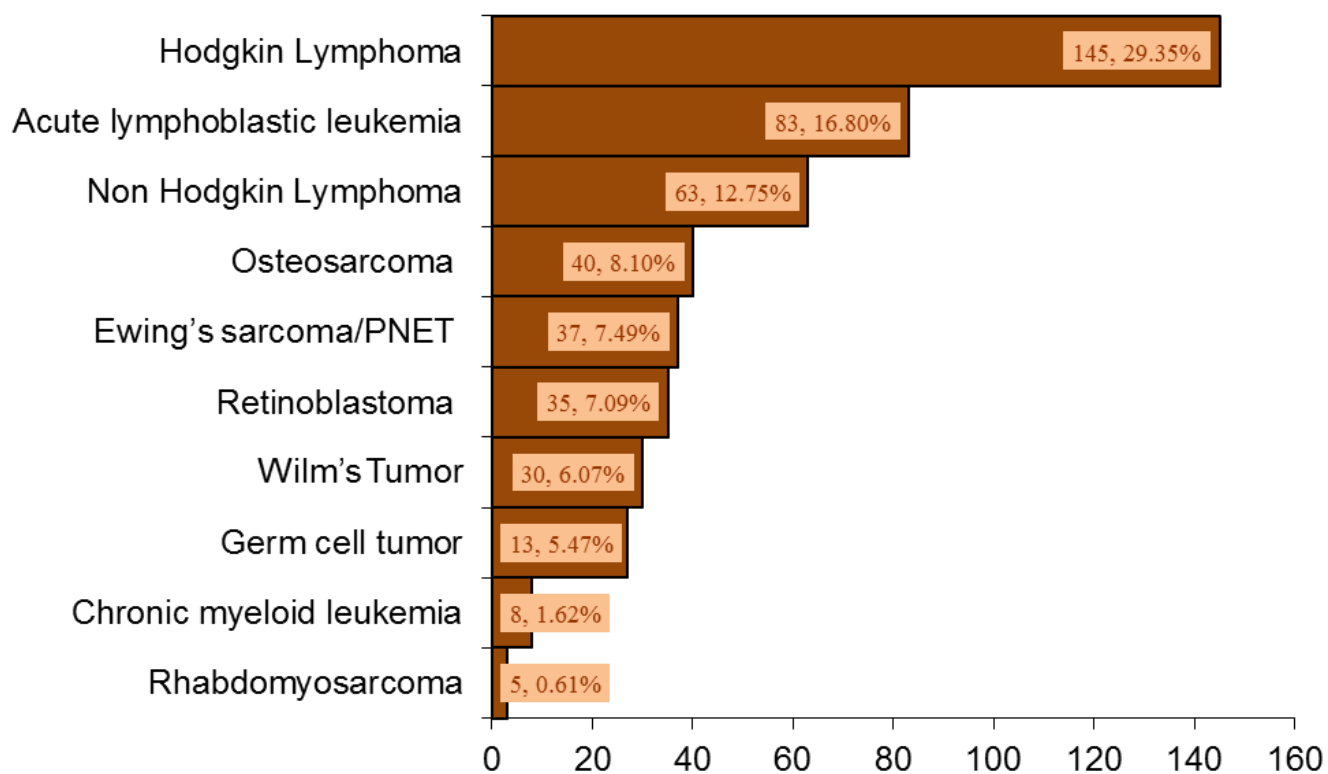
In children, using the classification based on tumor morphology, Hodgkin lymphoma, Acute lymphoblastic leukemia, and Non-Hodgkin Lymphoma were identified as the three most common malignancies

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), from Jan. 2012 to Dec. 2012.

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Morphology Code
1	Hodgkin Lymphoma	145	29.35	M9650 - M9667
2	Acute lymphoblastic leukemia	83	16.80	M982- M983
3	Non Hodgkin Lymphoma	63	12.75	M9590, 91- M967-972
4	Osteosarcoma	40	8.10	M9180 - M9195
5	Ewing's sarcoma/PNET	37	7.49	M9260
6	Retinoblastoma	35	7.09	M9510-M9512
7	Wilm's Tumor	30	6.07	M8960
8	Germ cell tumor	27	5.47	M906 - M909
9	Chronic myeloid leukemia	8	1.62	M9863
10	Rhabdomyosarcoma	3	0.61	M890 – M892

Fig. 5. Top 10 malignancies seen in children (<= 18 years), from Jan. 2012 to Dec. 2012.



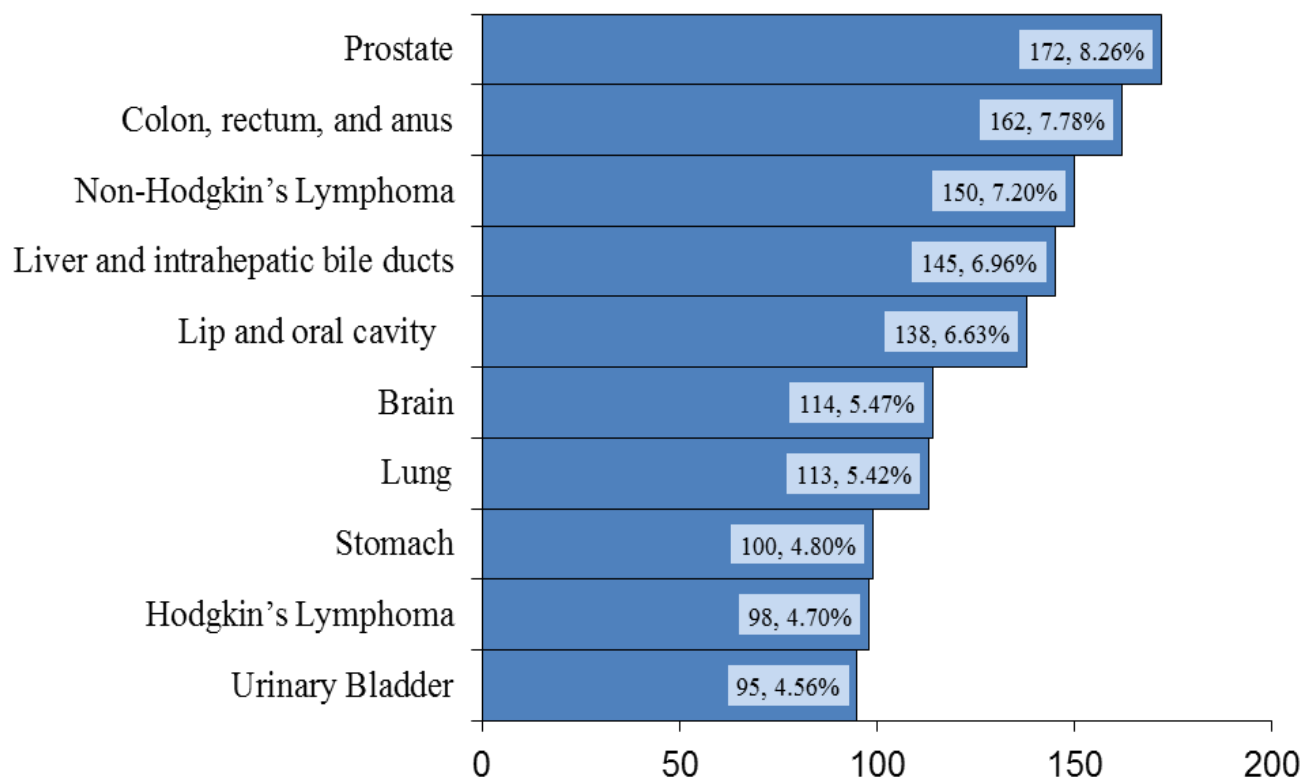
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

In adult males, the commonest malignancies were Prostate cancer, Colorectal and Non-Hodgkin's Lymphoma (Table 7).

Table 7. Top 10 malignancies seen amongst adult males, from Jan. 2012 to Dec. 2012.

Sr.No.	ICD Category	Count	Percentage	ICD-O-3 Code
1	Prostate	172	8.26	C61.9
2	Colon, rectum, and anus	162	7.78	C18 - C21.8
3	Non-Hodgkin's Lymphoma	150	7.20	M9590, 91-M967-972
4	Liver and intrahepatic bile ducts	145	6.96	C22.0 – C22.1
5	Lip and oral cavity	138	6.63	C00.0 – C08.9
6	Brain	114	5.47	C71.0-C71.9
7	Lung	113	5.42	C34.0 – C34.9
8	Stomach	100	4.80	C16.1 – C16.9
9	Hodgkin's Lymphoma	98	4.70	M9650 - M9667
10	Urinary Bladder	95	4.56	C67.0-C67.9

Fig. 6. Top 10 malignancies seen amongst adult males, from Jan. 2012 to Dec. 2012.



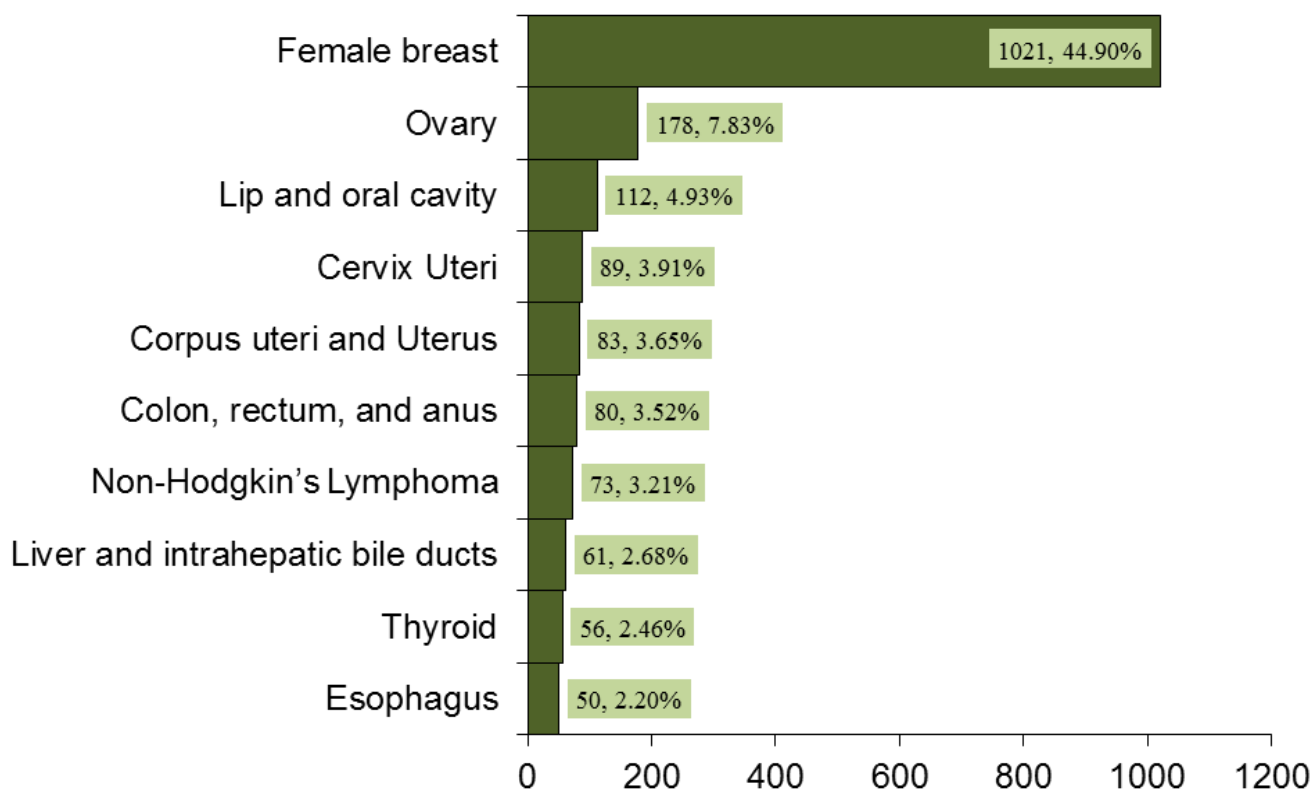
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

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 amongst adult females, from Jan. 2012 to Dec. 2012.

Sr. No.	ICD Category	Count	Percentage	ICD-O 3 Code
1	Female breast	1021	44.90	C50.0 - C50.9
2	Ovary	178	7.83	C56.9
3	Lip and oral cavity	112	4.93	C00.0 – C08.9
4	Cervix Uteri	89	3.91	C53.0 - C53.9
5	Corpus uteri and Uterus	83	3.65	C54.0 – C54.9
6	Colon, rectum, and anus	80	3.52	C18 - C21.8
7	Non-Hodgkin’s Lymphoma	73	3.21	M9590, 91-M967-972
8	Liver and intrahepatic bile ducts	61	2.68	C22.0 – C22.1
9	Thyroid	56	2.46	C73.9
10	Esophagus	50	2.20	C15.0 – C15.9

Fig. 7. Top 10 malignancies seen amongst adult females, from Jan. 2012 to Dec. 2012.



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

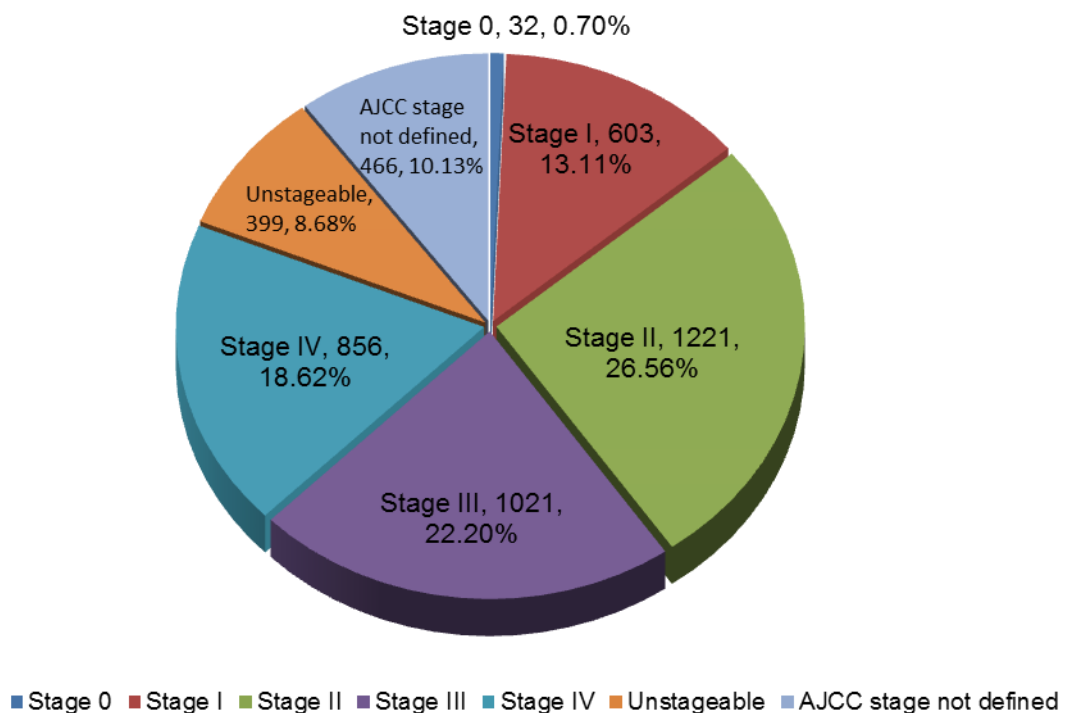
Staging

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 2012, cancer staging for 4,598 analytical cases (class of case 0, 1, 2) showed that 32 (0.70%) cases fell into 0 or in-situ category, 603 (13.11%) in stage I, 1,221 (26.56%) in stage II, 1021 (22.21%) cases in stage III, and 856 (18.62%) in stage IV, (table 9); 399 (8.68%) cases were Unstageable and 466 (10.13%) had no AJCC stage defined for that site.

Table 9. TNM Stage of cancer patients at SKMCH & RC during year 2012.

AJCC Stage	No. of Patients	Percentage
Stage 0	32	0.70
Stage I	603	13.11
Stage II	1221	26.56
Stage III	1021	22.20
Stage IV	856	18.62
Unstageable	399	8.68
AJCC stage not defined	466	10.13
Total	4598	100.00

Fig. 8. TNM stage of cancer patients at SKMCH & RC during year 2012.



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

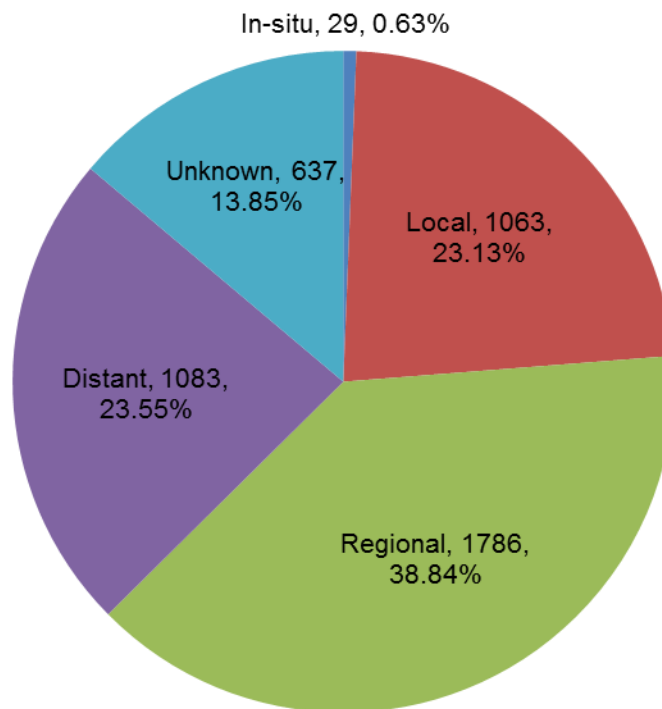
Summary Stage

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 2012 reflects that there were 0.63% in situ cases, 23.12% localized cancers, 38.84% regional cases, 23.55% distant, and there were 13.85% cases in which the summary stage was unknown.

Table 10. Classification according to the SEER summary stage during the year 2012.

SEER Summary Stage	No. of Patients	Percentage
In-situ	29	0.63
Local	1063	23.13
Regional	1786	38.84
Distant	1083	23.55
Unknown	637	13.85
Total	4598	100.00

Fig. 9: Classification according to the SEER summary stage during the year 2012.



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 2012.

Grade / Differentiation	Count	Percentage
Grade I	312	6.78
Grade II	1174	25.53
Grade III	1063	23.12
Grade IV	68	1.48
Grade not determined	1680	36.54
Not applicable	301	6.55
Total	4598	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, 2012

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	0	0	0	2	0	1	0	0	0	0	3
C01-C02	Tongue	0	0	0	0	0	3	2	2	3	6	10	11	0	3	5	1	0	1	47
C03	Gum	0	0	0	0	1	0	1	1	2	1	1	4	4	4	2	1	0	0	22
C04-C06	Floor & other part of mouth	0	0	0	0	0	1	0	2	3	2	2	5	0	1	3	2	0	0	21
C07-C08	Salivary gland	0	0	0	0	1	2	1	1	2	1	3	2	3	1	1	0	1	0	19
C9-C10	Tonsil & oropharynx	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	1	0	5
C11	Nasopharynx	0	0	0	2	2	2	2	1	0	1	0	1	0	1	0	0	0	0	12
C12-C13	Pyriiform sinus & hypopharynx	0	0	0	2	0	2	2	3	2	1	3	6	2	2	3	0	0	0	28
C14	Other ill-defined sites oral & pharynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C15	Esophagus	0	0	0	0	2	2	3	1	8	10	8	6	5	3	2	0	0	0	50
C16	Stomach	0	0	0	0	0	1	3	3	2	2	4	4	4	6	0	1	0	0	30
C17	Small Intestine	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	3
C18	Colon	0	0	0	0	1	5	4	3	2	2	5	5	5	2	1	1	1	0	37
C19-C21	Rectum, anal canal & anus	0	0	0	0	5	4	6	4	7	3	3	3	6	0	2	0	0	0	43
C22	Liver & intrahepatic bile duct	1	0	0	0	0	0	0	3	0	4	9	12	10	14	6	3	0	0	62
C23-C24	Gall Bladder & extrahepatic bile duct	0	0	0	0	0	0	1	0	3	0	4	4	5	1	1	1	0	0	20
C25	Pancreas	0	0	0	0	0	0	0	1	2	0	5	5	2	5	3	0	0	0	23
C26	Other ill-defined digestive organs	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
C30-C31	Nasal cavity, middle ear and acc. Sinuses	0	0	0	0	0	1	0	3	0	1	3	1	2	1	0	0	0	0	12
C32	Larynx	0	0	0	0	0	0	0	1	0	0	1	1	0	2	0	1	0	0	6
C33-C34	Trachea, bronchus & Lung	1	0	0	0	0	0	0	1	0	0	3	3	3	2	1	2	0	0	16
C37-C38	Thymus, heart, mediastinum & pleura	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	3
C40-C41	Bone & articular cartilage	0	2	10	18	5	2	1	3	0	1	1	0	0	0	0	1	0	0	44
C44	Skin	0	0	0	0	0	2	4	0	3	2	6	3	7	8	4	4	2	1	46
C47	Peripheral nerves & auto immune nervous system	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
C48	Peritoneum & Retroperitoneum	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
C49	Connective & soft tissue	0	1	1	3	1	4	0	1	2	3	2	0	2	2	0	2	0	0	23
C50	Breast	0	0	0	1	9	36	66	119	145	169	146	117	95	60	32	14	10	2	1021

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	0	1	1	0	1	0	1	0	0	2	3	0	0	9
C53	Cervix uteri	0	0	0	0	0	0	5	8	9	13	19	12	12	6	2	2	1	0	89
C54	Corpus uteri	0	0	0	0	3	1	5	1	3	8	10	12	12	11	3	2	0	0	71
C55	Uterus	0	0	1	0	0	0	1	0	0	3	1	1	3	1	0	0	0	0	11
C56-C57	Ovary & Uterine adnexa	1	0	0	10	11	11	11	13	20	23	25	21	21	9	3	4	1	1	185
C58	Placenta	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
C64-C66	Kidney & other urinary organ	8	3	1	0	0	3	0	1	2	1	1	1	2	5	2	0	0	1	31
C67	Urinary bladder	0	0	0	0	0	0	0	2	2	2	2	7	4	3	0	0	3	0	25
C69	Eye	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
C70-C71	Brain	0	0	0	1	4	7	6	3	2	6	6	1	3	4	1	0	0	0	44
C72	Other parts of nervous system	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	3
C73	Thyroid gland	0	0	0	1	7	11	9	6	5	5	1	6	2	2	1	1	0	0	57
C74-C75	Endocrine gland and related structure	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3
C76	Other and ill-defined sites	4	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	8
C80	Unknown primary	0	0	0	0	0	1	0	0	2	5	2	1	2	4	1	0	0	0	18
M965-M966	Hodgkin's lymphoma	4	9	7	6	15	6	8	4	5	0	0	0	0	0	0	0	0	0	64
M9590-91, 967-972	Non Hodgkin's lymphoma	4	5	7	3	12	8	8	10	12	14	3	4	1	0	0	1	0	0	92
M9731-M9732	Multiple myeloma & immuno. neoplasms	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	5
M982-M983	Lymphoid Leukemia	22	6	0	0	0	0	0	0	1	4	0	0	2	0	1	0	0	0	36
M984-M993	Myeloid Leukemia	1	2	0	0	2	8	5	3	1	1	3	1	0	0	0	0	0	0	27
C42.0, C42.2-4	Other lymphatic, histiocytic & hemato. tissue	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	3
~	Other reportable CNS neoplasms	0	0	0	0	3	6	2	3	6	8	0	2	1	0	1	0	0	0	32
	Total	53	34	27	48	87	132	160	211	258	305	299	267	222	167	83	47	20	6	2426

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	2	0	0	0	0	5
C01-C02	Tongue	0	0	0	1	1	1	2	1	4	4	6	5	8	4	2	2	0	0	41
C03	Gum	0	0	0	0	0	1	2	2	3	3	4	6	4	3	4	1	1	0	34
C04-C06	Floor of mouth	0	0	0	0	1	2	0	5	1	5	4	5	6	3	4	2	1	0	39
C07-C08	Salivary gland	0	0	0	0	3	4	0	0	2	5	2	0	4	0	0	0	0	0	20
C9-C10	Tonsil & oropharynx	0	0	0	0	0	0	0	1	2	1	0	1	0	0	0	0	0	0	5
C11	Nasopharynx	0	0	1	0	2	4	4	2	6	1	5	4	3	6	2	0	1	0	41
C12-C13	Pyriiform sinus & hypopharynx	0	0	0	0	0	1	2	2	6	5	5	3	5	3	2	2	1	0	37
C14	Other ill-defined sites lip, oral, pharynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C15	Esophagus	0	0	0	1	0	1	5	2	3	9	9	11	10	7	3	3	3	2	69
C16	Stomach	0	0	0	1	1	4	4	8	4	9	11	16	14	15	9	4	0	0	100
C17	Small intestine	0	0	0	0	0	0	0	1	3	1	2	3	1	0	0	0	0	0	11
C18	Colon	0	0	0	0	4	4	5	7	4	4	9	8	8	3	5	1	1	0	63
C19-C21	Rectum & Anal canal	0	0	0	2	6	7	14	14	3	10	8	10	7	8	3	6	1	1	100
C22	Liver & intrahepatic bile duct	2	0	0	0	0	1	0	3	3	17	23	34	28	19	13	3	3	0	149
C23-C24	Gall Bladder & extrahepatic bile duct	0	0	0	0	0	0	0	1	1	4	1	2	7	3	2	0	0	0	21
C25	Pancreas	0	0	0	0	0	0	0	1	2	3	5	7	7	1	3	0	0	1	30
C26	Other ill-defined digestive organs	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3
C30-C31	Nasal cavity, middle ear and acc. sinuses	0	0	0	0	1	1	0	3	2	1	1	2	1	2	0	0	0	0	14
C32	Larynx	0	0	0	0	0	0	1	0	6	1	6	11	8	11	4	3	1	0	52
C33-C34	Bronchus & Lung	0	0	0	0	0	2	2	2	3	12	10	13	22	17	20	7	3	1	114
C37-C38	Thymus, heart, mediastinum	0	0	0	1	0	3	1	0	0	2	1	0	1	0	1	0	0	0	10
C40-C41	Bone & articular cartilage	2	4	18	26	15	1	3	3	4	1	1	1	0	2	0	0	0	1	82
C44	Skin	0	1	0	1	1	4	3	4	5	8	8	8	7	11	7	13	6	5	92
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	1	0	0	0	0	0	1	0	0	0	0	0	0	2
C49	Connective & soft tissue	0	1	1	1	8	4	5	4	3	2	3	5	3	3	2	1	0	0	46

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	0	1	0	0	2	0	0	1	2	1	1	0	1	0	9
C61	Prostate	0	0	0	0	0	0	0	0	0	3	6	23	41	35	35	21	5	3	172
C62	Testis	6	0	0	8	18	18	17	10	6	1	4	1	0	0	0	1	0	0	90
C60,C63	Penis & Other male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C64-C66	Kidney & other urinary organ	16	2	0	0	2	0	1	7	5	10	4	5	1	3	2	2	0	0	60
C67	Urinary bladder	0	0	0	0	1	0	3	2	7	10	12	11	21	12	7	7	1	1	95
C69	Eye	20	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	26
C70-C71	Brain	0	0	0	2	15	13	13	14	15	14	9	10	5	3	4	0	0	0	117
C72	Spinal cord & other parts of nervous system	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	7
C73	Thyroid gland	0	0	0	1	3	2	3	2	4	4	4	2	0	1	0	0	0	0	26
C74-C75	Endocrine gland and related structure	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	3
C76	Other and ill-defined sites	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	4
C80	Unknown primary	0	0	0	0	0	0	0	1	6	2	3	0	2	6	1	4	0	2	27
M965-M962	Hodgkin's lymphoma	14	45	39	31	22	16	11	17	9	13	1	0	0	0	0	0	0	0	218
M9590-91, 967-972	Non Hodgkin's lymphoma	7	29	18	14	19	17	21	15	29	32	5	4	1	2	0	0	1	0	214
M9731-M9732	Multiple myeloma & immuno. neoplasms	0	0	0	0	0	1	0	0	4	2	0	3	1	1	0	0	0	0	12
M982-M983	Lymphoid Leukemia	28	4	3	0	0	0	1	2	4	8	5	2	0	0	0	0	0	0	57
M984-M993	Myeloid Leukemia	0	1	3	3	6	14	5	10	13	6	6	4	1	0	0	0	0	0	72
C42.0, C42.2-4	Other lymphatic, histiocytic & hemato. Tissue	0	0	1	0	0	0	0	1	1	2	0	0	0	1	0	0	0	0	6
~	Other reportable CNS neoplasms	0	0	0	0	5	4	1	6	4	5	2	0	1	0	1	1	0	0	30
	Total	96	91	85	93	136	134	130	155	183	221	189	224	231	189	137	84	30	17	2425

* 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 2012

ICD-O-3 Site	Pathology	Female	Male	Total
C00 Lip	Squamous Cell Carcinoma, Nos	3	5	8
C01-C02 Tongue	Squamous Cell Carcinoma, Nos	47	35	82
	Mucoepidermoid Carcinoma		2	2
	Squamous Cell Carcinoma, Keratinizing, Nos		2	2
	Adenocarcinoma, Nos		1	1
	Adenoid Cystic Carcinoma		1	1
	Mature T-Cell Lymphoma, Nos		1	1
C03-C06 Gum, FOM, palate, other & unspecified parts of mouth	Squamous Cell Carcinoma, Nos	33	64	97
	Mucoepidermoid Carcinoma	2	3	5
	Adenoid Cystic Carcinoma	3	1	4
	Carcinoma, Nos	3		3
	Adenocarcinoma, Nos	1	1	2
	Carcinosarcoma, Nos	1		1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Malignant Melanoma, Nos		1	1
	Neoplasm, Malignant		1	1
	Polymorphous Low Grade Adenocarcinoma		1	1
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
C07-C08 Parotid and other major Salivary glands	Mucoepidermoid Carcinoma	6	11	17
	Carcinoma, Nos	4	3	7
	Adenoid Cystic Carcinoma	2	3	5
	Adenocarcinoma, Nos	3		3
	Malignant Myoepithelioma	2		2
	Carcinosarcoma, Nos		1	1
	Epithelial-Myoepithelial Carcinoma	1		1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Neoplasm, Malignant		1	1
	Polymorphous Low Grade Adenocarcinoma	1		1
Squamous Cell Carcinoma, Nos		1	1	
C09 Tonsil	Squamous Cell Carcinoma, Nos	4	4	8
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	1	2
	Burkitt Lymphoma, Nos	1		1
	Spindle Cell Carcinoma, Nos	1		1
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
C11 Nasopharynx	Carcinoma, Nos	9	26	35
	Squamous Cell Carcinoma, Nos	1	9	10
	Carcinoma, Undifferentiated, Nos	1	3	4
	Lymphoepithelial Carcinoma		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Neoplasm, Malignant		1	1
	Polymorphous Low Grade Adenocarcinoma	1		1
Squamous Cell Carcinoma, Large Cell, Nonkeratinizing		1	1	
C12 Pyriform sinus	Squamous Cell Carcinoma, Nos	3	6	9
	Clear Cell Adenocarcinoma, Nos	1		1
C13 Hypopharynx	Squamous Cell Carcinoma, Nos	21	30	51
	Squamous Cell Carcinoma, Keratinizing, Nos	1	1	2
	Basaloid Squamous Cell Carcinoma	1		1
	Carcinoma, Nos	1		1
C14 Other & ill-defined sites in lip, oral cav	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
C15 Oesophagus	Squamous Cell Carcinoma, Nos	47	46	93
	Adenocarcinoma, Nos	2	21	23
	Squamous Cell Carcinoma, Keratinizing, Nos	1	1	2
	Carcinoma, Nos		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1		1
C16 Stomach	Adenocarcinoma, Nos	14	54	68

ICD-O-3 Site	Pathology	Female	Male	Total
	Signet Ring Cell Carcinoma	12	31	43
	Squamous Cell Carcinoma, Nos	1	5	6
	Carcinoma, Nos		3	3
	Malignant Lymphoma, Large B-Cell Diffuse Nos		3	3
	Neuroendocrine Carcinoma, Nos	2	1	3
	Adenocarcinoma, Intestinal Type		3	3
	Mucinous Adenocarcinoma	1	1	2
	Gastrointestinal Stromal Sarcoma		1	1
	Papillary Adenocarcinoma, Nos		1	1
C17 Small intestine	Gastrointestinal Stromal Sarcoma	2	7	9
	Adenocarcinoma, Nos	1	3	4
	Signet Ring Cell Carcinoma		1	1
C18 Colon	Adenocarcinoma, Nos	18	40	58
	Mucinous Adenocarcinoma	8	14	22
	Signet Ring Cell Carcinoma	3	5	8
	Carcinoma, Nos	1	2	3
	Neoplasm, Malignant	1	2	3
	Burkitt Lymphoma, Nos		2	2
	Neuroendocrine Carcinoma, Nos	2		2
	Adenocarcinoma In Tubulovillous Adenoma	1		1
	Adenocarcinoma In Villous Adenoma	1		1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Malignant Peripheral Nerve Sheath Tumor	1		1
	Carcinoid Tumor, Nos	1		1
C19 Rectosigmoid Junction	Adenocarcinoma, Nos	6	19	25
	Signet Ring Cell Carcinoma	1	1	2
	Neoplasm, Malignant	1		1
C20 Rectum	Adenocarcinoma, Nos	17	35	52
	Signet Ring Cell Carcinoma	5	14	19
	Mucinous Adenocarcinoma	2	8	10
	Adenocarcinoma In Tubulovillous Adenoma		3	3
	Gastrointestinal Stromal Sarcoma		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1
	Neoplasm, Malignant		1	1
	Neuroendocrine Carcinoma, Nos		1	1
C21 Anus and Anal canal	Adenocarcinoma, Nos	6	6	12
	Signet Ring Cell Carcinoma	2	4	6
	Mucinous Adenocarcinoma	1	4	5
	Squamous Cell Carcinoma, Nos	1	2	3
	Adenocarcinoma In Tubulovillous Adenoma	1		1
	Malignant Melanoma, Nos		1	1
C22 Liver and intrahepatic ducts	Hepatocellular Carcinoma, Nos	61	142	203
	Hepatoblastoma	1	2	3
	Cholangiocarcinoma		2	2
	Neuroendocrine Carcinoma, Nos		1	1
	Undifferentiated Sarcoma, Nos		1	1
C23 Gall Bladder	Adenocarcinoma, Nos	12	5	17
	Carcinoma, Nos	1	1	2
	Mucinous Adenocarcinoma	1		1
	Neoplasm, Malignant		1	1
	Neuroendocrine Carcinoma, Nos		1	1
C24 Other & unspec. parts of biliary tract	Adenocarcinoma, Nos	6	10	16
	Carcinoma, Nos		1	1
	Neuroendocrine Carcinoma, Nos		1	1
	Signet Ring Cell Carcinoma		1	1
C25 Pancreas	Adenocarcinoma, Nos	19	17	36
	Neuroendocrine Carcinoma, Nos	1	6	7
	Carcinoma, Nos	1	4	5

ICD-O-3 Site	Pathology	Female	Male	Total
	Mucinous Adenocarcinoma Neoplasm, Malignant Signet Ring Cell Carcinoma Small Cell Carcinoma, Nos Mucinous Cystadenocarcinoma, Nos		1 1 1 1 1	1 1 1 1 1
C26 Other and ill-defined digestive organs	Gastrointestinal Stromal Sarcoma Carcinoma, Nos Malignant Lymphoma, Large B-Cell Diffuse Nos Squamous Cell Carcinoma, Nos	1 1	1 1 1 1	2 1 1 1
C30 Nasal cavity & Middle ear	Nk/T-Cell Lymphoma, Nasal And Nasal-Type Adenoid Cystic Carcinoma Anaplastic Large Cell Lymphoma, T Cell And Null Cell Carcinoma, Nos Small Cell Carcinoma, Nos Squamous Cell Carcinoma, Nos Basal Cell Carcinoma, Nos Olfactory Neuroblastoma	1 1 1 1	1 1 1 1 1 1	2 1 1 1 1 1 1 1
C31 Accessory sinuses	Adenoid Cystic Carcinoma Squamous Cell Carcinoma, Nos Carcinoma, Nos Adenocarcinoma, Nos Basaloid Squamous Cell Carcinoma Burkitt Lymphoma, Nos Chordoma, Nos Mucoepidermoid Carcinoma Nk/T-Cell Lymphoma, Nasal And Nasal-Type Polymorphous Low Grade Adenocarcinoma Squamous Cell Carcinoma, Large Cell, Nonkeratinizing	5 3 1 1 1 1 1 1	1 2 2 1 1 1 1 1	6 5 3 1 1 1 1 1 1 1 1
C32 Larynx	Squamous Cell Carcinoma, Nos Carcinoma In Situ, Nos Adenocarcinoma, Nos Carcinoma, Nos Carcinosarcoma, Nos Papillary Squamous Cell Carcinoma Squamous Cell Carcinoma, Keratinizing, Nos	5 1	46 2 1 1 1 1	51 2 1 1 1 1 1
C33 Trachea	Adenoid Cystic Carcinoma		1	1
C34 Bronchus & Lung	Squamous Cell Carcinoma, Nos Adenocarcinoma, Nos Small Cell Carcinoma, Nos Non-Small Cell Carcinoma Neoplasm, Malignant Neuroendocrine Carcinoma, Nos Adenoid Cystic Carcinoma Large Cell Carcinoma, Nos Carcinoma, Nos Ewing Sarcoma Mucinous Adenocarcinoma Squamous Cell Carcinoma, Keratinizing, Nos Carcinoid Tumor, Nos Bronchiolo-Alveolar Adenocarcinoma, Nos	3 7 1 1 1 1 1 1 1	42 34 11 10 6 3 2 1 1 1 1 1 1 1	45 41 12 11 7 3 2 2 1 1 1 1 1 1
C37 Thymus	Thymoma, Type B2, Malignant Carcinoma, Nos	1 1	1 1	2 1
C38 Heart, Mediastinum & Pleura	Mesothelioma, Malignant Precursor T-Cell Lymphoblastic Lymphoma Seminoma, Nos Germinoma Hodgkin Lymphoma, Mixed Cellularity, Nos Malignant Lymphoma, Large B-Cell Diffuse Nos	1 1 1 1 1	1 1 2 1	2 2 2 1 1 1

ICD-O-3 Site	Pathology	Female	Male	Total
	Mixed Germ Cell Tumor		1	1
	Pseudosarcomatous Carcinoma		1	1
	Small Cell Carcinoma, Nos		1	1
	Teratoma, Malignant, Nos		1	1
	Yolk Sac Tumor		1	1
C40 C41 Bones, Joints & Articular Cartilage	Osteosarcoma, Nos	15	31	46
	Ewing Sarcoma	15	30	45
	Chondroblastic Osteosarcoma	4	8	12
	Malignant Lymphoma, Large B-Cell Diffuse Nos	3	6	9
	Chondrosarcoma, Nos		8	8
	Langerhans Cell Histiocytosis, Nos	1	1	2
	Malignant Fibrous Histiocytoma	2		2
	Plasmacytoma, Nos	1	1	2
	Sarcoma, Nos	2		2
	Burkitt Lymphoma, Nos		1	1
	Chordoma, Nos		1	1
	Epithelioid Sarcoma		1	1
	Leiomyosarcoma Nos	1		1
	Primitive Neuroectodermal Tumor, Nos	1		1
	Giant Cell Tumor Of Bone, Malignant	1		1
	Parosteal Osteosarcoma	1		1
	Small Cell Osteosarcoma		1	1
C42 Hematopoietic and reticuloendothelial system	Chronic Myeloid Leukemia, Nos	26	70	96
	Precursor B-Cell Lymphoblastic Leukemia	24	28	52
	B-Cell Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma	7	17	24
	Multiple Myeloma	5	12	17
	Precursor Cell Lymphoblastic Leukemia, Nos	4	5	9
	Precursor T-Cell Lymphoblastic Leukemia	1	7	8
	Hairy Cell Leukemia	1	4	5
	Acute Myeloid Leukemia, Nos	1	1	2
	Myelodysplastic Syndrome, Nos	1	1	2
	Chronic Myelomonocytic Leukemia, Nos		1	1
	Essential Thrombocythemia	1		1
C44 Skin	Squamous Cell Carcinoma, Nos	20	45	65
	Basal Cell Carcinoma, Nos	18	29	47
	Malignant Melanoma, Nos	4	2	6
	Dermatofibrosarcoma, Nos	1	2	3
	Sebaceous Adenocarcinoma	1	2	3
	Cutaneous T-Cell Lymphoma, Nos	1	1	2
	Adenoid Cystic Carcinoma		1	1
	Kaposi Sarcoma		1	1
	Neuroendocrine Carcinoma, Nos		1	1
	Squamous Cell Carcinoma In Situ, Nos		1	1
	Squamous Cell Carcinoma, Keratinizing, Nos	1		1
	Squamous Cell Carcinoma, Spindle Cell		1	1
	Basal Cell Carcinoma, Nodular		1	1
	Basosquamous Carcinoma		1	1
	Infiltrating Basal Cell Carcinoma, Nos		1	1
	Mycosis Fungoides		1	1
	Sclerosing Sweat Duct Carcinoma		1	1
	Trichilemmocarcinoma		1	1
C47 Periph. nerves & auto-immune N.S.	Neuroblastoma, Nos	1		1
C48 Retroperitoneum & Peritoneum	Gastrointestinal Stromal Sarcoma	1	1	2
	Leiomyosarcoma Nos	1		1
	Marginal Zone B-Cell Lymphoma, Nos		1	1
	Mixed Germ Cell Tumor		1	1
C49 Connective, subcutaneous & other soft tissues	Synovial Sarcoma, Nos	7	15	22
	Ewing Sarcoma	5	4	9

ICD-O-3 Site	Pathology	Female	Male	Total
	Leiomyosarcoma Nos	2	4	6
	Dedifferentiated Liposarcoma	1	3	4
	Malignant Peripheral Nerve Sheath Tumor		4	4
	Sarcoma, Nos	4		4
	Fibromyxosarcoma	1	2	3
	Undifferentiated Sarcoma		3	3
	Giant Cell Sarcoma	1	1	2
	Myxoid Leiomyosarcoma		2	2
	Pleomorphic Liposarcoma		2	2
	Spindle Cell Sarcoma	1	1	2
	Desmoplastic Small Round Cell Tumor		1	1
	Embryonal Rhabdomyosarcoma, Nos		1	1
	Liposarcoma, Nos	1		1
	Myxoid Liposarcoma		1	1
	Myxosarcoma	1		1
	Rhabdomyosarcoma, Nos		1	1
	Round Cell Liposarcoma		1	1
C50 Breast	Infiltrating Duct Carcinoma, Nos	891	8	899
	Lobular Carcinoma, Nos	43		43
	Carcinoma, Nos	11	1	12
	Metaplastic Carcinoma, Nos	10		10
	Ductal Carcinoma In Situ, Solid Type	7		7
	Infiltrating Duct Mixed With Other Types Of Carcinoma	6		6
	Mucinous Adenocarcinoma	6		6
	Neoplasm, Malignant	6		6
	Papillary Carcinoma, Nos	6		6
	Comedocarcinoma, Noninfiltrating	5		5
	Inflammatory Carcinoma	5		5
	Paget Disease And Infiltrating Duct Carcinoma Of Breast	4		4
	Intracystic Carcinoma, Nos	3		3
	Intraductal Micropapillary Carcinoma	3		3
	Cribriform Carcinoma, Nos	2		2
	Phyllodes Tumor, Malignant	2		2
	Adenocarcinoma, Nos	1		1
	Carcinoma In Situ, Nos	1		1
	Hemangiosarcoma	1		1
	Infiltrating Duct and Lobular Carcinoma, Nos	1		1
	Infiltrating Lobular Mixed With Other Types Of Carcinoma	1		1
	Intraductal Carcinoma, Noninfiltrating, Nos	1		1
	Lobular Carcinoma In Situ, Nos	1		1
	Sarcoma, Nos	1		1
	Cribriform Carcinoma In Situ	1		1
	Lobular Carcinoma In Situ, Nos	1		1
	Paget Disease, Mammary	1		1
C51 Vulva	Squamous Cell Carcinoma, Nos	3		3
	Signet Ring Cell Carcinoma	1		1
	Squamous Intraepithelial Neoplasia, Grade Iii	1		1
C52 Vagina	Adenocarcinoma, Nos	2		2
	Squamous Cell Carcinoma, Keratinizing, Nos	1		1
	Squamous Cell Carcinoma, Nos	1		1
C53 Cervix uteri	Squamous Cell Carcinoma, Nos	29		29
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing	23		23
	Squamous Cell Carcinoma, Keratinizing, Nos	19		19
	Adenocarcinoma, Nos	9		9
	Carcinoma, Nos	2		2
	Adenocarcinoma, Endocervical Type	1		1
	Adenosquamous Carcinoma	1		1
	Carcinoma In Situ, Nos	1		1

ICD-O-3 Site	Pathology	Female	Male	Total
	Clear Cell Adenocarcinoma, Nos	1		1
	Endometrioid Adenocarcinoma, Nos	1		1
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1		1
	Squamous Cell Carcinoma In Situ, Nos	1		1
	Serous Adenocarcinoma, Nos	1		1
C54 Corpus uteri	Endometrioid Adenocarcinoma, Nos	61		61
	Clear Cell Adenocarcinoma, Nos	3		3
	Carcinosarcoma, Nos	2		2
	Serous Adenocarcinoma, Nos	2		2
	Adenosarcoma	1		1
	Neoplasm, Malignant	1		1
	Endometrial Stromal Sarcoma, Low Grade	1		1
	Endometrial Stromal Sarcoma, Nos	1		1
C55 Uterus, NOS	Leiomyosarcoma Nos	5		5
	Carcinosarcoma, Nos	2		2
	Adenosarcoma	1		1
	Choriocarcinoma, Nos	1		1
	Yolk Sac Tumor	1		1
C56 Ovary	Adenocarcinoma, Nos	33		33
	Serous Cystadenocarcinoma, Nos	33		33
	Papillary Serous Cystadenocarcinoma	25		25
	Endometrioid Adenocarcinoma, Nos	23		23
	Granulosa Cell Tumor, Malignant	12		12
	Clear Cell Adenocarcinoma, Nos	6		6
	Mucinous Adenocarcinoma	6		6
	Yolk Sac Tumor	6		6
	Mucinous Cystadenocarcinoma, Nos	6		6
	Carcinosarcoma, Nos	5		5
	Dysgerminoma	5		5
	Mixed Germ Cell Tumor	5		5
	Papillary Cystadenocarcinoma, Nos	5		5
	Carcinoma, Nos	4		4
	Malignant Lymphoma, Large B-Cell Diffuse Nos	3		3
	Teratoma, Malignant, Nos	3		3
	Choriocarcinoma, Nos	1		1
	Intracystic Carcinoma, Nos	1		1
	Neoplasm, Malignant	1		1
	Neuroendocrine Carcinoma, Nos	1		1
	Squamous Cell Carcinoma, Nos	1		1
	Serous Surface Papillary Carcinoma	1		1
	Germ Cell Tumor, Nonseminomatous	1		1
C57 Other & unspec. F. genital organs	Papillary Serous Cystadenocarcinoma	1		1
C58 Placenta	Choriocarcinoma, Nos	2		2
C61 Prostate	Adenocarcinoma, Nos		161	161
	Neoplasm, Malignant		6	6
	Carcinoma, Nos		3	3
	Acinar Cell Carcinoma		1	1
	Small Cell Carcinoma, Nos		1	1
C62 Testis	Mixed Germ Cell Tumor		34	34
	Seminoma, Nos		20	20
	Yolk Sac Tumor		10	10
	Embryonal Carcinoma, Nos		7	7
	Teratoma, Malignant, Nos		5	5
	Germ Cell Tumor, Nonseminomatous		5	5
	Choriocarcinoma, Nos		2	2
	Embryonal Rhabdomyosarcoma, Nos		1	1
	Germinoma		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos		1	1

ICD-O-3 Site	Pathology	Female	Male	Total
	Mesothelioma, Malignant		1	1
	Neoplasm, Malignant		1	1
	Precursor B-Cell Lymphoblastic Lymphoma		1	1
	Teratocarcinoma		1	1
	Intratubular Malignant Germ Cells		1	1
	Leydig Cell Tumor, Malignant		1	1
C64 Kidney	Renal Cell Carcinoma, Nos	14	31	45
	Nephroblastoma, Nos	12	18	30
	Neoplasm, Malignant	1	3	4
	Renal Cell Carcinoma, Sarcomatoid	2	1	3
	Renal Cell Carcinoma, Chromophobe Type	2		2
	Burkitt Lymphoma, Nos		1	1
	Clear Cell Adenocarcinoma, Nos		1	1
	Dedifferentiated Liposarcoma		1	1
	Ewing Sarcoma		1	1
	Neuroendocrine Carcinoma, Nos		1	1
	Papillary Adenocarcinoma, Nos		1	1
C65 Renal Pelvis	Papillary Transitional Cell Carcinoma		1	1
C66 Ureter	Papillary Transitional Cell Carcinoma		1	1
C67 Bladder	Transitional Cell Carcinoma, Nos	7	55	62
	Papillary Transitional Cell Carcinoma	16	35	51
	Adenocarcinoma, Nos	1	1	2
	Carcinoma, Nos		2	2
	Large Cell Neuroendocrine Carcinoma		1	1
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1		1
	Neuroendocrine Carcinoma, Nos	1		1
	Transitional Cell Carcinoma Nos		1	1
C69 Eye & adnexa	Retinoblastoma, Nos	11	22	33
	Malignant Lymphoma, Large B-Cell Diffuse Nos		2	2
	Retinoblastoma, Undifferentiated		2	2
	Adenoid Cystic Carcinoma		1	1
	Burkitt Lymphoma, Nos		1	1
	Follicular Lymphoma, Nos		1	1
	Interdigitating Dendritic Cell Sarcoma		1	1
C70 Meninges	Meningioma, Nos	4	4	8
	Meningioma, Malignant	1	2	3
	Meningothelial Meningioma	2		2
	Angiomatous Meningioma		1	1
	Clear Cell Meningioma		1	1
C71 Brain	Glioblastoma, Nos	18	34	52
	Glioma, Malignant	14	30	44
	Astrocytoma, Nos	2	15	17
	Oligodendroglioma, Nos		9	9
	Neoplasm, Uncertain Whether Benign Or Malignant	5	3	8
	Astrocytoma, Anaplastic	3	5	8
	Pilocytic Astrocytoma	1	4	5
	Neoplasm, Malignant		4	4
	Gemistocytic Astrocytoma	1	3	4
	Mixed Glioma	2	2	4
	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	2	3
	Gliosarcoma		3	3
	Central Neurocytoma	1	1	2
	Ependymoma, Anaplastic	1	1	2
	Ependymoma, Nos	1	1	2
	Dysplastic Gangliocytoma Of Cerebellum (Lhermitte-	1		1
	Malignant Tumor, Spindle Cell Type		1	1
	Meningioma nos	1		1
	Neurilemoma, Nos	1		1

ICD-O-3 Site	Pathology	Female	Male	Total
	Oligodendroglioma, Anaplastic		1	1
	Pleomorphic Xanthoastrocytoma		1	1
	Subependymoma		1	1
	Medulloblastoma, Nos		1	1
C72 Spinal cord, cranial nerves & other parts of CNS	Ependymoma, Nos	1	2	3
	Malignant Lymphoma, Large B-Cell Diffuse Nos	2		2
	Neoplasm, Malignant	1	1	2
	Neurilemoma, Nos	1	1	2
	Astrocytoma, Nos		2	2
	Malignant Peripheral Nerve Sheath Tumor		1	1
	Neoplasm, Uncertain Whether Benign Or Malignant		1	1
	Plasmacytoma, Nos	1		1
	Glioblastoma, Nos		1	1
C73 Thyroid gland	Papillary Carcinoma, Nos	36	17	53
	Papillary Carcinoma, Follicular Variant	13	4	17
	Medullary Carcinoma, Nos	3	2	5
	Follicular Adenocarcinoma, Nos	2	1	3
	Carcinoma, Anaplastic, Nos	2		2
	Follicular Carcinoma, Minimally Invasive	1	1	2
	Carcinoma, Nos		1	1
C74 Adrenal gland	Adrenal Cortical Carcinoma	1	1	2
C75 Other endocrine glands & related structures	Pituitary Adenoma, Nos	16	17	33
	Germinoma		1	1
	Germ Cell Tumor, Nonseminomatous		1	1
	Craniopharyngioma	1		1
	Pineoblastoma	1		1
C76 Other & ill-defined sites	Malignant Lymphoma, Large B-Cell Diffuse Nos	1	2	3
	Yolk Sac Tumor	2	1	3
	Gastrointestinal Stromal Sarcoma	1	1	2
	Burkitt Lymphoma, Nos		2	2
	Germinoma	1	1	2
	Chordoma, Nos		1	1
	Dysgerminoma	1		1
	Granulosa Cell Tumor, Malignant	1		1
	Mixed Germ Cell Tumor	1		1
C77 Lymph nodes	Malignant Lymphoma, Large B-Cell Diffuse Nos	43	101	144
	Hodgkin Lymphoma, Mixed Cellularity, Nos	31	103	134
	Hodgkin Lymphoma, Nos	17	50	67
	Hodgkin Lymphoma, Nodular Sclerosis, Nos	15	50	65
	Burkitt Lymphoma, Nos	7	24	31
	Anaplastic Large Cell Lymphoma, T Cell And Null Cell	7	12	19
	Precursor T-Cell Lymphoblastic Lymphoma	2	9	11
	Follicular Lymphoma, Grade 2	3	5	8
	Malignant Lymphoma, Non-Hodgkin, Nos	2	7	9
	Precursor B-Cell Lymphoblastic Lymphoma	1	6	7
	Follicular Lymphoma, Grade 1	3	2	5
	Hodgkin Lymphoma, Lymphocyte-Rich		5	5
	Hodgkin Lymphoma, Nodular Lymphocyte Predominance		4	4
	Hodgkin Lymphoma, Nodular Sclerosis, Grade 2		4	4
	Mantle Cell Lymphoma		3	3
	Mature T-Cell Lymphoma, Nos		3	3
	B-Cell Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma		2	2
	Follicular Lymphoma, Nos	2		2
	Angioimmunoblastic T-Cell Lymphoma		1	1
	Follicular Lymphoma, Grade 3	1		1
	Hodgkin Lymphoma		1	1
	Hodgkin Lymphoma, Lymphocyte Depletion, Nos		1	1
	Langerhans Cell Sarcoma		1	1

ICD-O-3 Site	Pathology	Female	Male	Total
	Malignant Lymphoma, Lymphoplasmacytic Marginal Zone B-Cell Lymphoma, Nos	1	1	1
C80 Unknown primary site	Neoplasm, Malignant	3	9	12
	Carcinoma, Nos	5	5	10
	Adenocarcinoma, Nos	5	4	9
	Squamous Cell Carcinoma, Nos	2	3	5
	Mucinous Adenocarcinoma	1	2	3
	Neuroendocrine Carcinoma, Nos		3	3
	Carcinoma, Undifferentiated, Nos	1		1
	Malignant Melanoma, Nos		1	1
	Paraganglioma, Malignant		1	1
	Signet Ring Cell Carcinoma	1		1
Grand Total		2426	2425	4851