

ANNUAL CANCER REGISTRY REPORT-2016, OF THE SHAUKAT KHANUM MEMORIAL CANCER HOSPITAL & RESEARCH CENTER, PAKISTAN

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CANCER STATISTICS

This report includes patients registered at the centers affiliated with the Shaukat Khanum Memorial Trust and accessioned into the hospital information system in Lahore. The affiliated centers include two hospitals called the 'Shaukat Khanum Memorial Cancer Hospital and Research Center' (SKMCH&RC) in Lahore and Peshawar and the Karachi Diagnostic Center (KDC). SKMCH&RC Lahore is the oldest center and has been functioning since December 29, 1994, SKMCH&RC Peshawar since December 29, 2015, and the KDC since 2010. For the purpose of presenting the results, all of these centers are referred to as SKMCH&RC/hospital in this report.

Distribution of neoplasms

Of a total of 7,046 new neoplasms diagnosed or treated at the aforementioned facilities in Pakistan, from January 1, 2016 to December 31, 2016, 3,304 were seen in male (46.89%) and 3,742 (53.11%) in female patients. Six-thousand, five-hundred and twenty-nine (6,529 (92.66%)) neoplasms were found in adults, whereas, 517 (7.34%) were seen in children. Children were classified as those 18-years or less 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 (6,777)	Reported neoplasm* (7,046)
Malignant[†]	Adults	5,999	6,079
	Pediatrics	506	508
	Total	6,505	6,587
Benign[€] & Uncertain Behavior	Adults	407	450
	Pediatrics	8	9
	Total	415	459

* The difference in the number of registered patients and reported neoplasms is attributed to multiple malignancies and benign neoplasms diagnosed in 82 and 44 patients, respectively. Further, 143 patients have both malignant and benign neoplasm simultaneously.

[†] Cases with behavior code /3 and /2 are considered as malignant cases.

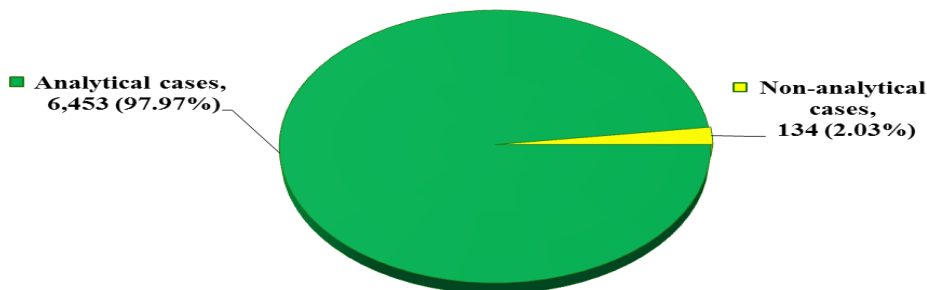
[€] Cases with behavior code /0 and /1 are considered as benign and uncertain, respectively.

[¥] According to the Facility Oncology Revised Data Standards (FORDS), Revised for 2004, Class of Case 0 to 2 are analytical cases and included in treatment and survival analysis, whereas, Class of Case 3 to 9 are non-analytical cases, usually not included in routine treatment or survival statistics.

Class of Case

Of a total of 6,587 malignant cases recorded in the Registry from January 2016 to December 2016, 6,453 (97.97%) were analytical cases and 134 (2.03%) non-analytical. Figure 1 shows the stratification of analytical and non-analytical cases[¥].

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



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

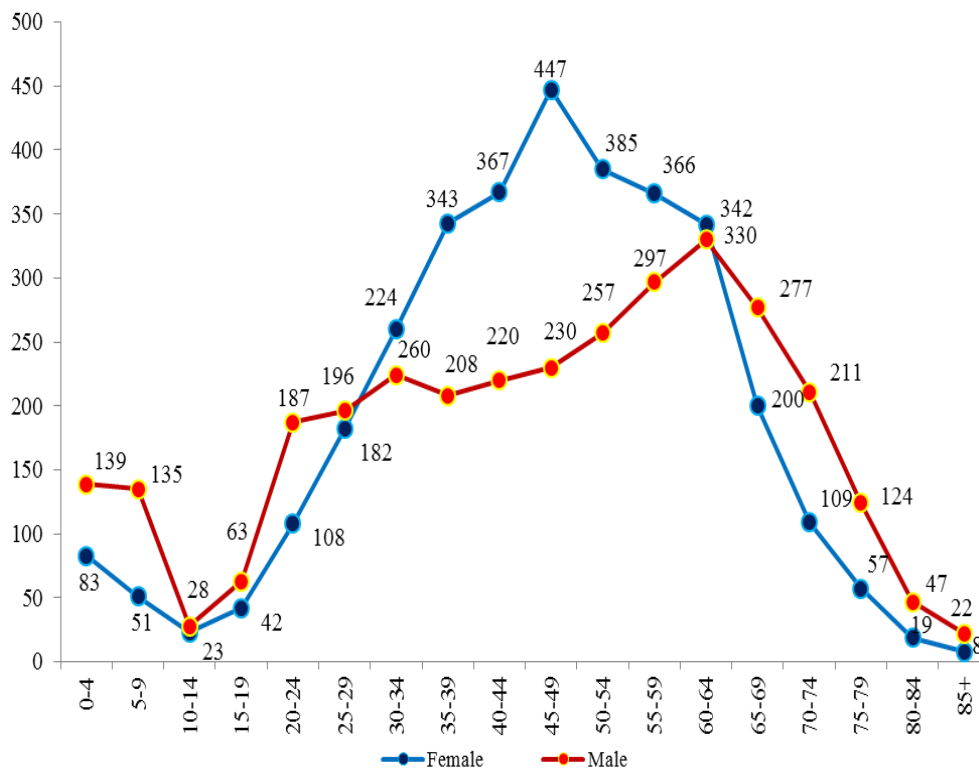
Distribution of malignancies

In the year 2016, a total of 6,587 malignancies were diagnosed at the hospital with 3,392 seen amongst females and 3,195 amongst males. Table 2 displays the distributions of female and male patients according to gender and age-group.

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

Age-range	Female	Male	Total
0-4	83	139	222
5-9	51	135	186
10-14	23	28	51
15-19	42	63	105
20-24	108	187	295
25-29	182	196	378
30-34	260	224	484
35-39	343	208	551
40-44	367	220	587
45-49	447	230	677
50-54	385	257	642
55-59	366	297	663
60-64	342	330	672
65-69	200	277	477
70-74	109	211	320
75-79	57	124	181
80-84	19	47	66
85+	8	22	30
Total	3392	3195	6587

Figure 2. Distribution of malignancies by sex & age-group (yrs.).



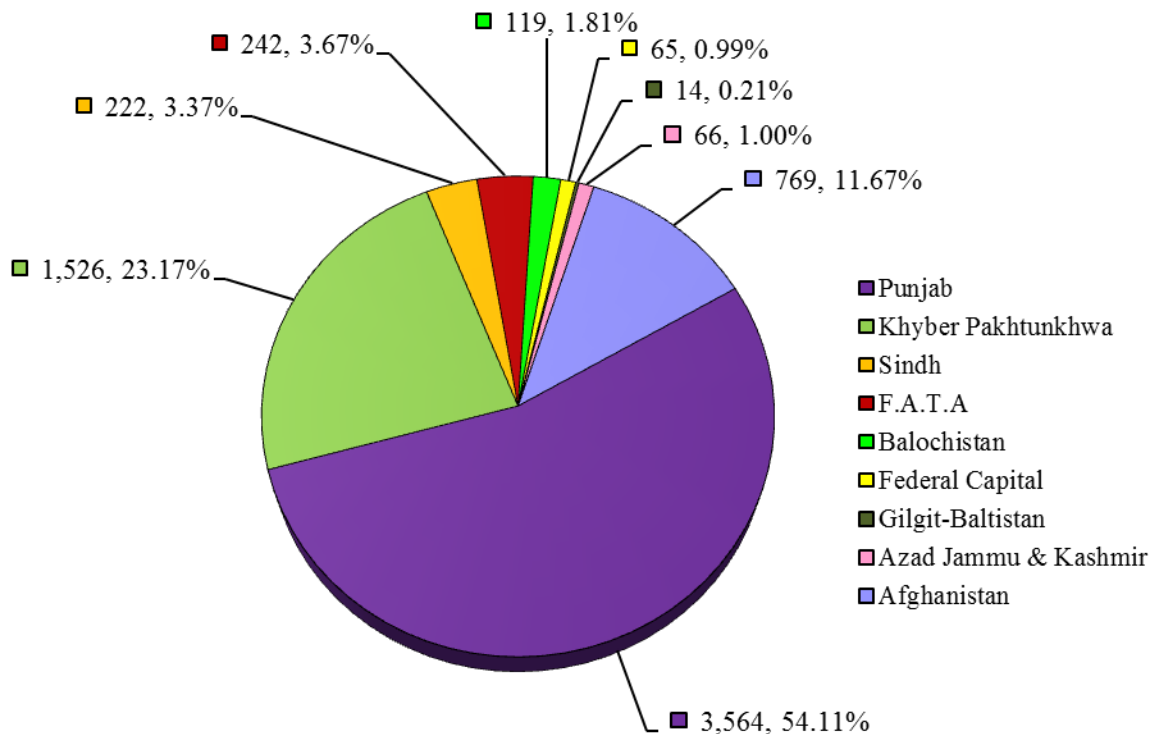
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

Demographics

Of the 6,587 malignant cancers, nearly 54.11% (3,564) belonged to the province of Punjab and approximately 23.17% (1,526) to Khyber Pakhtunkhwa (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 oldest affiliate is situated in the provincial capital of Punjab and that, this province accounts for almost 50% of the total population of the country.

Table 3. Distribution of malignancies according to the geographic area of residence of the patients.

Province/Region	Malignancies	Percentage
Punjab	3,564	54.11
Khyber Pakhtunkhwa ^[1]	1,526	23.17
Sindh	222	3.37
F.A.T.A	242	3.67
Balochistan	119	1.81
Federal Capital	65	0.99
Gilgit-Baltistan	14	0.21
Azad Jammu & Kashmir	66	1.00
Afghanistan	769	11.67
Total	6,587	100.00



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

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

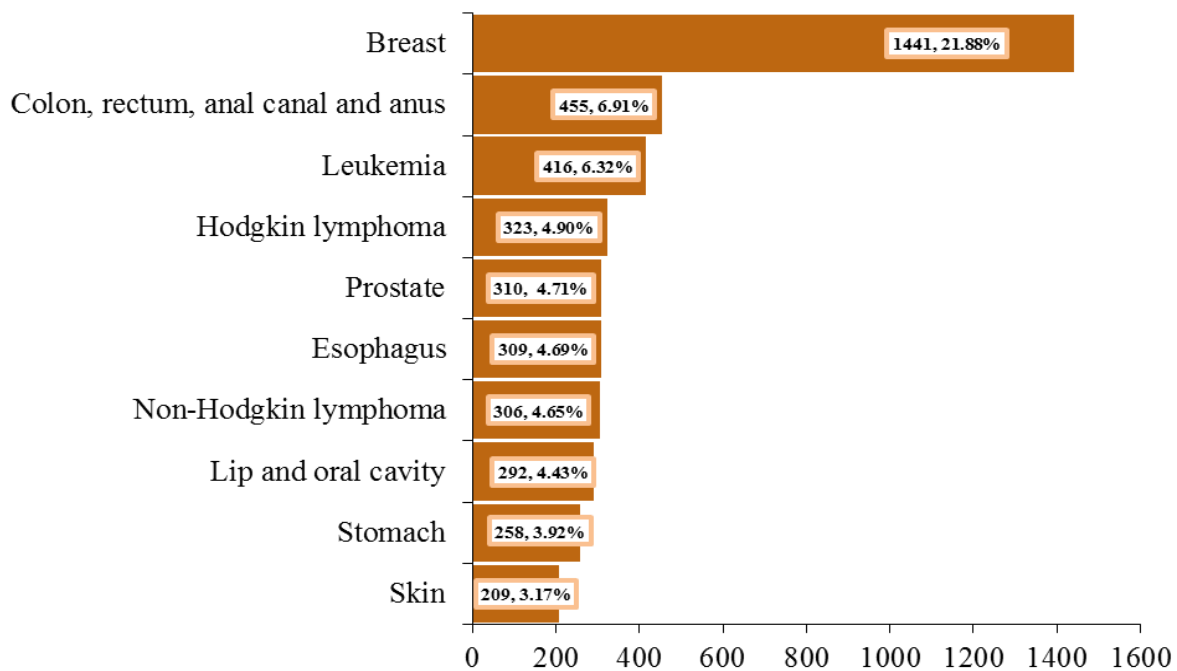
Top ten cancers

Tables 4 to 8 show the list of the ten commonest malignancies seen at SKMCH&RC during the year 2016. Of a total of 6,587 malignancies, breast cancer was the leading malignancy with 1,441 cases accessioned into the Registry. Cancers of the colon, rectum, anal canal and anus, and leukemia 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. 2016 to Dec. 2016.

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Code
1	Breast	1,441	21.88	C50.0 - C50.9
2	Colon, rectum, anal canal and anus	455	6.91	C18.0 – C21.8
3	Leukemia	416	6.32	M9800 - M9948
4	Hodgkin lymphoma	323	4.90	M9650 - M9667
5	Prostate	310	4.71	C61.9
6	Esophagus	309	4.69	C15
7	Non-Hodgkin lymphoma	306	4.65	M9590-91, M967-972
8	Lip and oral cavity	292	4.43	C00.0 - C08.9
9	Stomach	258	3.92	C16
10	Skin	209	3.17	C44

Figure 3. Top 10 malignancies seen amongst all age-groups, both sexes combined, from Jan. 2016 to Dec. 2016.



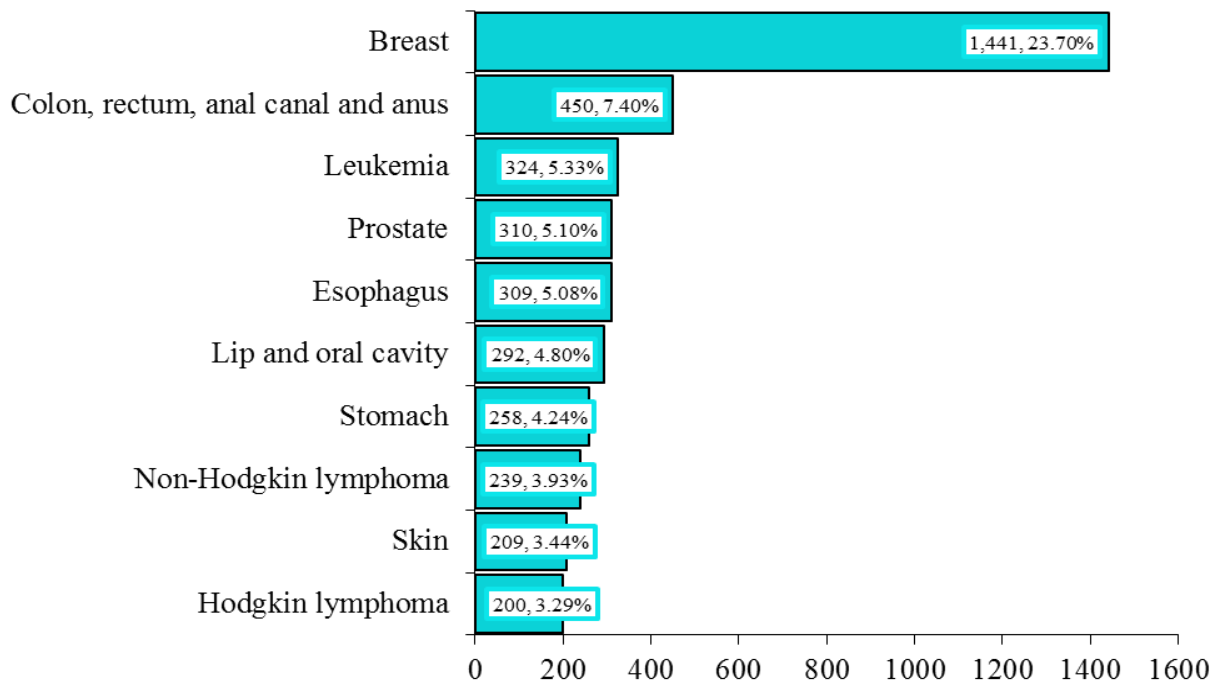
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

Amongst adults, during the year 2016, a total of 6,079 malignancies were diagnosed or treated at SKMCH&RC. Cancers of the breast, colon, rectum, anal canal and anus, and leukemia were registered as the most frequently seen cancers.

Table 5. Top 10 malignancies seen amongst adults (> 18 years), from Jan. 2016 to Dec. 2016.

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Code
1	Breast	1,441	23.70	C50 - C50.9
2	Colon, rectum, anal canal and anus	450	7.40	C18.0 – C21.8
3	Leukemia	324	5.33	M9800 - M9948
4	Prostate	310	5.10	C61.9
5	Esophagus	309	5.08	C15
6	Lip and oral cavity	292	4.80	C00.0 - C08.9
7	Stomach	258	4.24	C16
8	Non-Hodgkin lymphoma	239	3.93	M9590-91, M967-972
9	Skin	209	3.44	C44.0 – C44.9
10	Hodgkin lymphoma	200	3.29	M9650 - M9667

Figure 4. Top 10 malignancies seen amongst adults (> 18 years), from Jan. 2016 to Dec. 2016.



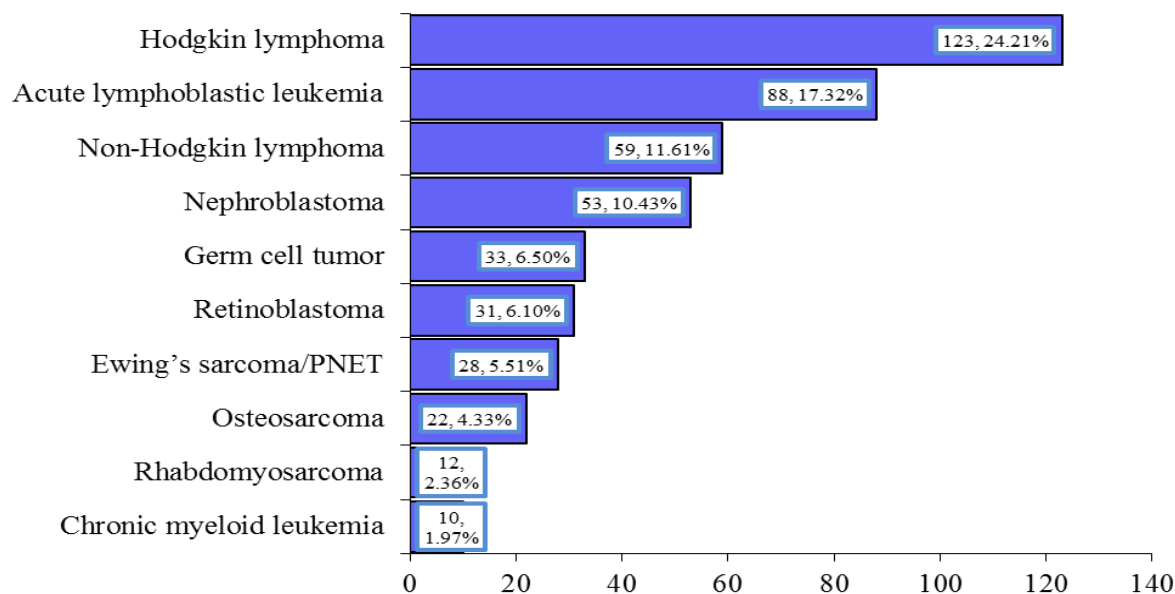
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

In 508 childhood malignancies, 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. 2016 to Dec. 2016.

Sr. No.	ICD-O-3 Category	Count	Percentage	ICD-O-3 Morphology Code
1	Hodgkin lymphoma	123	24.21	M9650 - M9667
2	Acute lymphoblastic leukemia	88	17.32	M982 - M983
3	Non-Hodgkin lymphoma	59	11.61	M9590, 91- M967 - 972
4	Nephroblastoma	53	10.43	M8960
5	Germ cell tumor	33	6.50	M906 - M909
6	Retinoblastoma	31	6.10	M9510 - M9514
7	Ewing's sarcoma/PNET	28	5.51	M9260
8	Osteosarcoma	22	4.33	M9180 - M9195
9	Rhabdomyosarcoma	12	2.36	M8900 - M8921
10	Chronic myeloid leukemia	10	1.97	M9863 - M9875

Figure 5. Top 10 malignancies seen in children (<= 18 years), from Jan. 2016 to Dec. 2016.



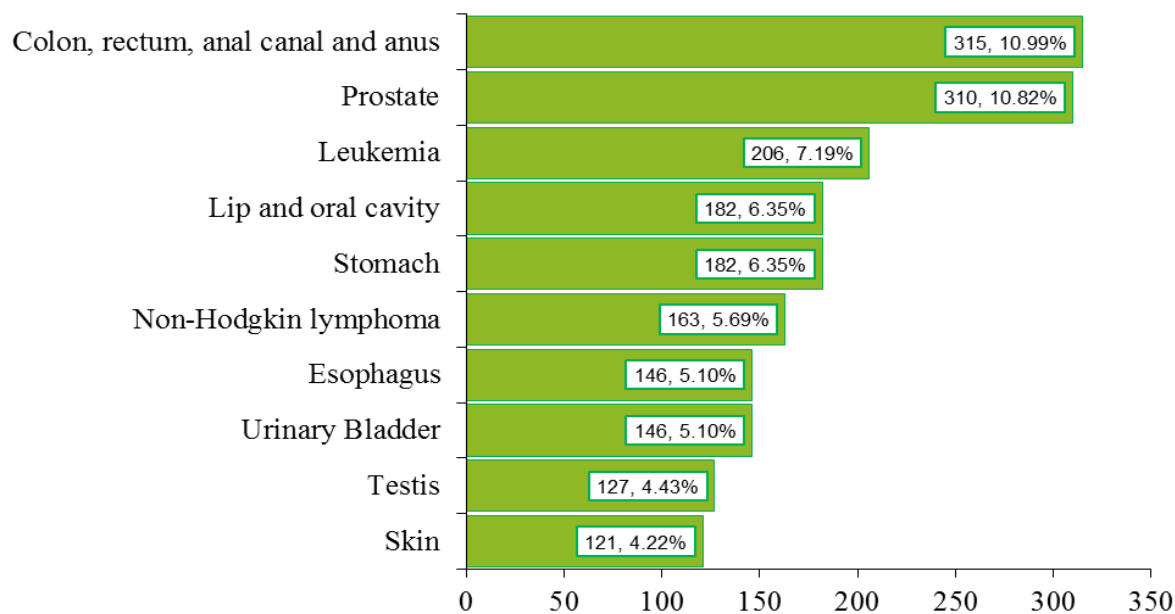
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

In adult males (2,865 malignancies), the commonest cancers were those of the colon, rectum, anal canal and anus, prostate, and leukemia (Table 7).

Table 7. Top 10 malignancies seen amongst adult males, from Jan. 2016 to Dec. 2016.

Sr.No.	ICD Category	Count	Percentage	ICD-O-3 Code
1	Colon, rectum, anal canal and anus	315	10.99	C18 - C21.8
2	Prostate	310	10.82	C61.9
3	Leukemia	206	7.19	M9800 - M9948
4	Lip and oral cavity	182	6.35	C00.0 – C08.9
5	Stomach	182	6.35	C16.1 – C16.9
6	Non-Hodgkin lymphoma	163	5.69	M9590, 91-M967-972
7	Esophagus	146	5.10	C15 – C15.9
8	Urinary Bladder	146	5.10	C67.0 - C67.9
9	Testis	127	4.43	C62
10	Skin	121	4.22	C44.0 – C44.9

Figure 6. Top 10 malignancies seen amongst adult males, from Jan. 2016 to Dec. 2016.



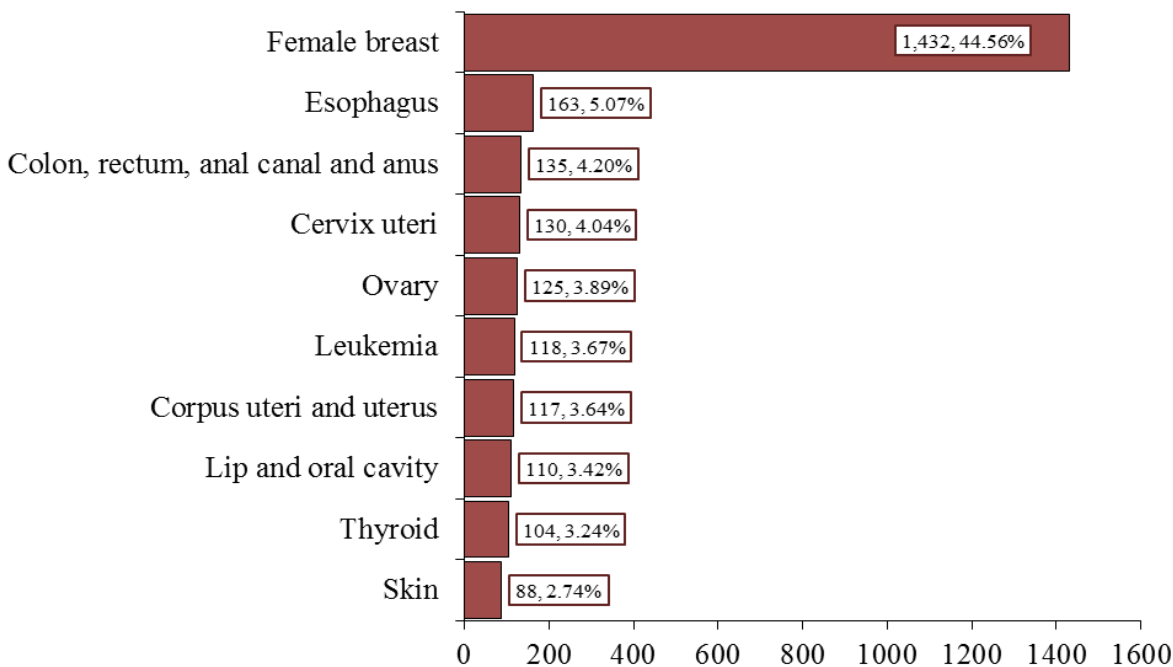
Data Source: Cancer Registry & Clinical Data Management, SKMCH & RC

The most frequent diagnosis in adult women (3,214) was breast cancer accounting for 44.56% of the cancers. Esophagus was ranked as the second highest cancer (5.07%) and cancers of the colon, rectum, anal canal and anus as the third common malignancy with 4.20% of the total malignancies, in females.

Table 8. Top 10 malignancies seen amongst adult females, from Jan. 2016 to Dec. 2016.

Sr. No.	ICD Category	Count	Percentage	ICD-O 3 Code
1	Female breast	1,432	44.56	C50.0 - C50.9
2	Esophagus	163	5.07	C15 - C15.9
3	Colon, rectum, anal canal and anus	135	4.20	C18 - C21.8
4	Cervix uteri	130	4.04	C53.0 - C53.9
5	Ovary	125	3.89	C56.9
6	Leukemia	118	3.67	M9800 - M9948
7	Corpus uteri and uterus	117	3.64	C54.0 - C55.9
8	Lip and oral cavity	110	3.42	C00.0 - C08.9
9	Thyroid	104	3.24	C73.9
10	Skin	88	2.74	C44.0 - C44.9

Figure 7. Top 10 malignancies seen amongst adult females, from Jan. 2016 to Dec. 2016.



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

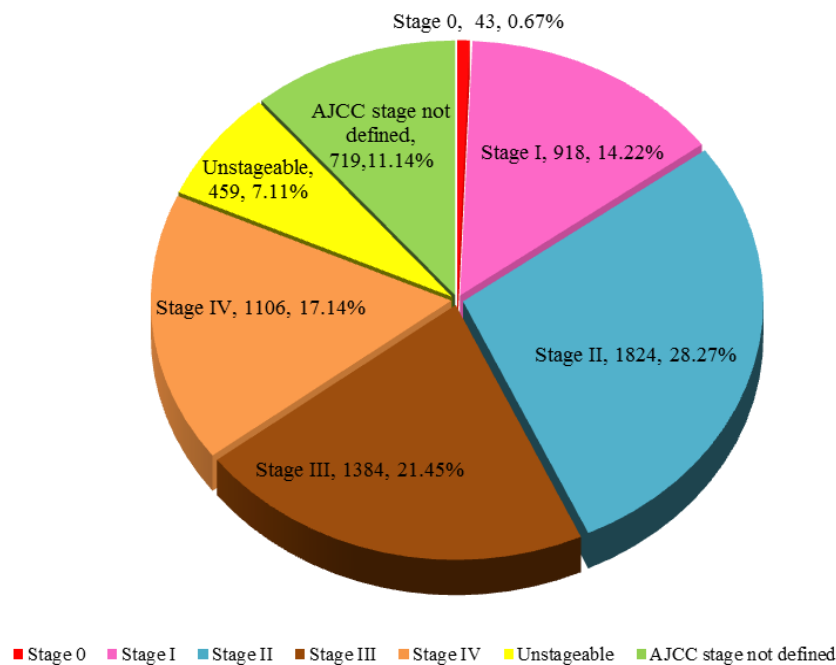
Staging

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 2016, cancer staging for 6,453 analytical cases (Class of Case 0, 1, 2) showed that 43 (0.67%) cases fell into 0 or in situ category, 918 (14.22%) in Stage I, 1,824 (28.27%) in Stage II, 1,384 (21.45%) cases in Stage III, and 1,106 (17.14%) in Stage IV, (table 9); 459 (7.11%) cases were unstageable and 719 (11.14%) had no AJCC stage defined for that site.

Table 9. TNM Stage of cancer patients at SKMCH&RC in 2016.

AJCC Stage	Count	Percentage
Stage 0	43	0.67
Stage I	918	14.22
Stage II	1,824	28.27
Stage III	1,384	21.45
Stage IV	1,106	17.14
Unstageable	459	7.11
AJCC stage not defined	719	11.14
Total	6,453	100

Figure 8. TNM stage of cancer patients at SKMCH&RC in 2016.



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

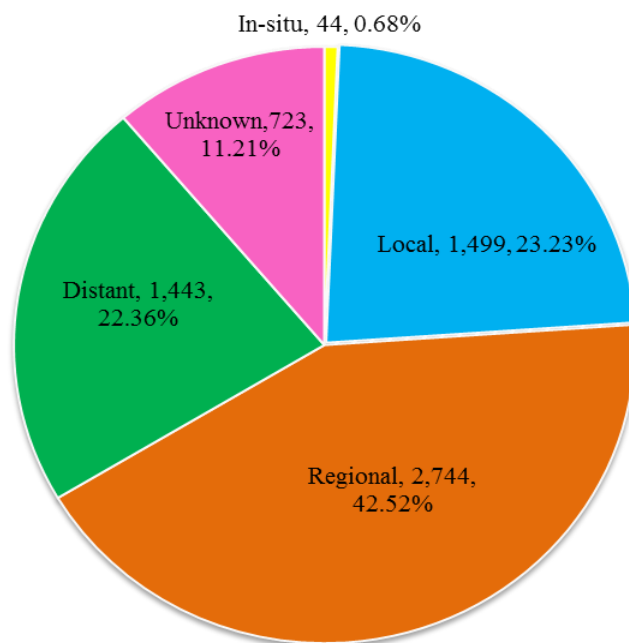
Summary Stage

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 2016 reflects that there were 0.68% in situ cases, 23.23% localized cancers, 42.52% regional cases, 22.36% distant, and there were 11.21% cases in which the summary stage was unknown.

Table 10. Classification of patients according to the SEER summary stage in 2016.

SEER Summary Stage	Count	Percentage
In situ	44	0.68
Local	1,499	23.23
Regional	2,744	42.52
Distant	1,443	22.36
Unknown	723	11.21
Total	6,453	100

Figure 9. Classification according to the SEER Summary Stage in 2016.



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

Grade/Differentiation/Immunophenotype

The International Classification of Diseases for Oncology, Third Edition (ICD-O-3), codes and guidelines have been used to categorize grade/differentiation/immunophenotype. All analytical cases (Class of Case 0, 1, 2), were included to generate results.

Table 11. Grade/differentiation/immunophenotype of cancers in 2016.

Grade/Differentiation/Immunophenotype	Count	Percentage
Grade I	468	7.25
Grade II	2,059	31.91
Grade III	1,417	21.96
Grade IV	89	1.38
T-cell	35	0.54
B-cell	422	6.54
NK-cell	3	0.05
Grade/differentiation/immunophenotype not determined, not stated, or not applicable	1960	30.37
Total	6,453	100

SUPPLEMENTAL INFORMATION

Table 12 depicts the results stratified by primary site, age-group, and gender. According to this, cancers of the breast, colon, rectum, anal canal and anus, esophagus, lymphoma and leukemia are the commonest systems/site(s) for malignancies seen at SKMCH&RC. Table 13 shows the results stratified by gender, primary site, and 5-year age-group.

Table 12. Distribution by gender, primary malignant site, and 5-year age-group, 2016

FEMALES

ICD-O-3 Code*	Primary Site	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
C00	Lip	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	1	5
C01-C02	Tongue	0	0	0	0	2	2	1	5	3	10	5	9	5	2	5	1	0	0	50
C03	Gum	0	0	0	0	0	0	0	0	1	2	1	3	1	1	1	1	1	0	12
C04-C06	Floor and other parts of mouth	0	0	0	0	1	1	0	0	0	3	3	1	5	6	3	2	0	0	25
C07-C08	Salivary gland	0	0	0	1	3	3	3	2	1	1	0	0	1	2	0	0	1	0	18
C09-C10	Tonsil & oropharynx	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	3
C11	Nasopharynx	0	0	0	1	3	1	1	0	2	2	3	4	1	1	0	0	0	0	19
C12-C13	Pyrimiform sinus & Hypopharynx	0	0	0	0	1	0	2	2	2	2	4	1	4	3	0	0	0	0	21
C15	Esophagus	0	0	0	0	1	3	5	11	22	31	23	17	19	18	4	5	4	0	163
C16	Stomach	0	0	0	0	2	5	3	6	8	9	8	17	6	6	4	1	1	0	76
C17	Small intestine	0	0	0	0	0	0	1	1	1	0	2	4	1	2	0	0	0	0	12
C18	Colon	0	0	0	0	4	6	5	7	4	10	6	7	14	3	2	0	0	1	69
C19-C21	Rectosigmoid, rectum, anal canal, and anus	0	0	0	2	4	6	8	9	5	7	3	10	8	3	3	0	0	0	68
C22	Liver & intrahepatic bile duct	2	1	0	0	0	0	2	1	2	1	6	3	9	7	5	4	0	0	43
C23-C24	Gall bladder & extrahepatic bile duct	0	0	0	0	0	1	2	1	2	5	2	5	7	1	3	1	0	0	30
C25	Pancreas	0	0	0	0	1	0	1	0	2	3	3	4	3	5	3	1	0	0	26
C30-C31	Nasal cavity, middle ear and acc. sinuses	0	0	0	1	0	1	1	0	2	0	0	1	1	0	1	0	0	0	8
C32	Larynx	0	0	0	0	1	0	0	1	1	1	1	2	4	2	0	1	0	0	14
C33-C34	Trachea, bronchus & lung	0	0	0	0	0	0	4	2	3	2	1	3	3	3	2	0	1	0	24
C37-C38	Thymus, heart, mediastinum & pleura	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	3
C40-C41	Bone & articular cartilage	3	9	12	1	2	5	1	0	1	0	0	3	0	0	1	0	0	0	38
C44	Skin	0	0	0	0	0	0	2	6	4	4	12	11	15	13	6	9	2	4	88
C47	Peripheral & autoimmune nervous system	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
C49	Connective & soft tissue	0	0	2	4	1	3	4	3	1	2	3	3	6	2	1	0	0	0	35
C50	Breast	0	0	0	1	6	44	106	159	214	243	191	173	155	74	35	22	7	2	1432
C51-C52	Vulva & vagina	5	0	0	0	0	0	1	1	0	0	4	1	4	1	0	0	0	0	17
C53	Cervix uteri	0	0	0	0	1	4	7	19	15	28	12	15	16	7	3	2	1	0	130
C54	Corpus uteri	0	0	0	0	2	3	3	5	6	12	15	11	25	12	9	3	1	0	107
C55	Uterus	0	0	0	0	0	0	1	0	3	1	1	0	0	0	1	0	0	0	7
C56-C57	Ovary & uterine adnexa	3	2	5	5	13	13	16	15	15	14	20	10	5	2	0	0	0	0	138
C58	Placenta	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
C64-C66	Kidney & other urinary organ	18	7	0	0	0	3	4	3	0	6	7	6	3	7	3	1	0	0	68
C67	Urinary bladder	2	0	0	0	0	0	2	3	2	6	0	5	5	8	3	0	0	0	36
C69	Eye	13	2	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	17
C70-C71	Brain	0	0	1	2	2	5	11	2	9	3	4	6	3	3	2	1	0	0	54
C72	Other parts of nervous system	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	6
C73	Thyroid gland	0	0	0	3	15	18	15	17	11	8	8	8	3	1	0	0	0	0	107
C74-C75	Endocrine gland and related structure	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	3
C76	Other and ill-defined sites	5	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	7
C80	Unknown primary	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	5
M9650-M9667	Hodgkin lymphoma	5	18	1	12	15	21	4	11	3	6	2	6	3	1	0	1	0	0	109
M9590-91, 967-972	Non-Hodgkin lymphoma	6	8	1	3	7	14	15	19	3	5	4	4	1	1	1	0	0	0	92
M9731-M9732	Multiple myeloma & immuno. neoplasms	0	0	0	0	0	0	0	2	2	3	5	4	0	0	0	0	0	0	16
M982-M983	Lymphoid leukemia	20	3	0	3	1	2	1	3	1	4	8	1	1	1	1	0	0	0	50
M984-M993	Myeloid leukemia	0	0	0	2	13	12	15	17	9	8	12	3	2	0	1	0	0	0	94
C42.0, C42.2-4	Other lymphatic & hematopoietic tissue	0	1	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	4
~	Other reportable CNS neoplasms	0	0	1	1	4	2	11	5	5	3	1	2	2	1	1	0	0	0	39
	Total	83	51	23	42	108	182	260	343	367	447	385	366	342	200	109	57	19	8	3392

MALES

ICD-O-3 Code	Primary Site	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	Total
C00	Lip	0	0	0	0	0	0	1	1	1	0	1	2	2	1	3	0	0	0	12
C01-C02	Tongue	0	0	0	0	1	3	3	3	8	5	11	12	14	6	4	0	1	0	71
C03	Gum	0	0	0	0	0	0	0	2	4	2	3	3	4	4	2	1	0	0	25
C04-C06	Floor and other parts of mouth	0	0	0	0	0	1	4	5	7	7	11	4	5	3	3	1	0	0	51
C07-C08	Salivary gland	0	0	0	0	0	0	5	0	2	6	4	1	1	2	0	0	1	1	23
C9-C10	Tonsil & oropharynx	0	0	0	0	0	0	1	0	1	0	1	0	2	0	0	1	0	0	6
C11	Nasopharynx	0	0	0	1	9	4	2	3	4	7	10	3	3	3	0	1	0	1	51
C12-C13	Pyiform sinus & Hypopharynx	0	0	0	0	0	1	1	1	1	3	1	2	2	2	1	1	0	0	16
C14	Other & ill-defined lip, oral cavity, pharynx	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
C15	Esophagus	0	0	0	0	1	4	4	5	9	14	18	30	25	15	9	11	1	0	146
C16	Stomach	0	0	0	1	0	3	6	5	15	19	19	19	34	29	18	12	1	1	182
C17	Small intestine	0	0	0	1	0	0	3	2	2	2	0	4	8	2	0	0	0	0	24
C18	Colon	0	0	0	2	1	7	9	17	18	16	11	8	16	3	4	2	0	2	116
C19-C21	Rectosigmoid, rectum, anal canal, and anus	0	0	0	2	18	17	22	24	16	23	18	21	17	14	4	3	3	0	202
C22	Liver & intrahepatic bile duct	6	0	0	0	1	0	0	0	0	3	11	13	20	11	10	5	0	1	81
C23-C24	Gall Bladder & extrahepatic bile duct	0	0	0	1	0	0	3	2	2	3	3	7	6	5	3	2	3	0	40
C25	Pancreas	0	0	0	0	0	0	0	2	2	1	6	3	4	6	3	3	1	0	31
C30-C31	Nasal cavity, middle ear and acc. sinuses	0	0	0	0	0	0	2	1	2	2	3	1	3	0	2	0	0	0	16
C32	Larynx	0	0	0	0	0	0	0	3	4	4	8	12	16	9	12	6	4	0	78
C33-C34	Bronchus & Lung	0	0	0	0	1	6	6	2	2	6	15	15	20	17	11	4	1	1	108
C37-C38	Thymus, heart, mediastinum & pleura	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	3
C40-C41	Bone & articular cartilage	2	11	12	2	2	1	3	2	0	1	3	0	1	0	0	0	0	0	40
C44	Skin	0	0	0	1	5	2	8	5	5	11	9	10	11	19	16	12	3	4	121
C47	Peripheral. & autoimmune nervous system	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
C49	Connective & soft tissue	1	1	0	2	6	5	8	5	6	3	2	7	3	3	1	0	0	0	53
C50	Breast	0	0	0	0	0	0	0	1	0	0	0	2	3	0	2	1	0	0	9
C60	Penis	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
C61	Prostate	0	0	0	0	0	0	0	0	1	10	13	30	49	70	66	38	24	9	310
C62	Testis	11	0	1	10	30	28	24	14	15	3	2	1	1	1	0	0	0	0	141
C63	Other & unspecified male genital organs	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
C64-C66	Kidney & other urinary organ	23	8	0	0	0	1	4	3	8	10	5	6	12	5	4	2	2	0	93
C67	Urinary bladder	1	1	0	0	1	1	3	4	12	12	11	17	19	28	23	11	2	2	148
C68	Other & unspecified urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
C69	Eye	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
C70-C71	Brain	0	0	0	2	6	18	13	11	12	15	7	11	6	5	2	1	0	0	109
C72	Other parts of nervous system	0	0	0	0	1	1	1	0	2	0	1	0	0	0	0	0	0	0	6
C73	Thyroid gland	0	0	1	2	3	5	5	4	4	3	3	1	2	1	3	1	0	0	38
C74-C75	Endocrine gland and related structure	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	4
C76	Other and ill-defined sites	3	0	0	1	3	2	2	0	0	1	1	1	2	0	0	0	0	0	16
C80	Unknown primary	0	0	0	1	0	0	0	0	0	1	1	2	1	2	2	1	0	0	11
M9650-M9667	Hodgkin lymphoma	17	68	5	7	28	19	20	10	14	7	3	6	6	3	0	1	0	0	214
M9590-91,967-972	Non-Hodgkin lymphoma	13	33	1	10	26	32	27	41	10	7	5	5	3	0	1	0	0	0	214
M9731-M9732	Multiple myeloma & immuno. neoplasms	0	0	0	0	0	0	2	4	7	4	9	9	2	2	0	2	0	0	41
M982-M983	Lymphoid leukemia	44	8	2	5	19	9	2	3	6	6	10	14	2	1	0	0	0	0	131
M984-M993	Myeloid leukemia	0	3	5	5	20	20	22	18	12	11	9	9	2	1	1	0	0	0	138
M994	Other leukemia	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	3
C42.0, C42.2-4	Other lymphatic & hematopoietic tissue	2	0	0	1	0	0	0	0	0	1	3	4	0	0	0	0	0	0	11
~	Other reportable CNS neoplasms	0	0	1	6	3	4	7	2	5	1	4	2	1	2	0	1	0	0	39
	Total	139	135	28	63	187	196	224	208	220	230	257	297	330	277	211	124	47	22	3195

*Diseases are listed according to 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, 2016

ICD-O-3 code	Pathology	Female	Male	Total
C00 Lip	Squamous Cell Carcinoma, Nos	5	11	16
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
C01-02 Tongue	Squamous Cell Carcinoma, Nos	47	64	111
	Squamous Cell Carcinoma, Keratinizing, Nos		4	4
	Adenoid Cystic Carcinoma	2		2
	Mucoepidermoid Carcinoma		2	2
	Squamous Cell Carcinoma, Spindle Cell Carcinoma, Nos	1	1	1
C03-06 Gum, FOM, palate, other & unspecified parts of mouth	Squamous Cell Carcinoma, Nos	30	66	96
	Adenoid Cystic Carcinoma	3	5	8
	Mucoepidermoid Carcinoma	3	3	6
	Squamous Cell Carcinoma, Keratinizing, Nos		1	1
	Langerhans Cell Histiocytosis, Nos	1		1
	Clear Cell Adenocarcinoma		1	1
	Squamous Cell Carcinoma, Spindle Cell		1	1
C07-08 Parotid and other major Salivary glands	Mucoepidermoid Carcinoma	8	9	17
	Carcinoma, Nos	3	6	9
	Adenoid Cystic Carcinoma	5	3	8
	Squamous Cell Carcinoma, Nos	2	4	6
	Neuroendocrine Carcinoma, Nos		1	1
C09-C10 Tonsil & oropharynx	Squamous Cell Carcinoma, Nos	3	5	8
	Carcinoma, Nos		1	1
C11 Nasopharynx	Carcinoma, Nos	12	25	37
	Carcinoma, Undifferentiated, Nos	6	17	23
	Squamous Cell Carcinoma, Nos		6	6
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos	1	1	2
	Adenoid Cystic Carcinoma		1	1
C12-C13 Pyriform sinus & Hypopharynx	Mucoepidermoid Carcinoma		1	1
	Squamous Cell Carcinoma, Nos	18	13	31
	Squamous Cell Carcinoma, Keratinizing, Nos	3	1	4
	Carcinoma, Nos		1	1
C14 Other & ill-defined sites in lip, oral cavity & pharynx	Papillary Squamous Cell Carcinoma		1	1
	Squamous Cell Carcinoma, Nos			
C15 Esophagus	Squamous Cell Carcinoma, Nos	147	121	268
	Adenocarcinoma, Nos	3	14	17
	Squamous Cell Carcinoma, Keratinizing, Nos	8	2	10
	Signet Ring Cell Carcinoma		3	3
	Adenosquamous Carcinoma	1	1	2
	Small Cell Carcinoma, Nos	2		2
	Neuroendocrine Carcinoma, Nos	1	1	2
	Pseudosarcomatous Carcinoma		1	1
	Gastrointestinal Stromal Sarcoma		1	1
	Squamous Cell Carcinoma, Spindle Cell		1	1
	Neoplasm, Malignant		1	1
Carcinoma In Situ, Nos	1		1	
C16 Stomach	Adenocarcinoma, Nos	35	114	149
	Signet Ring Cell Carcinoma	18	41	59
	Gastrointestinal Stromal Sarcoma	9	9	18
	Squamous Cell Carcinoma, Nos	6	10	16

	Neuroendocrine Carcinoma, Nos	5	2	7
	Small Cell Carcinoma, Nos	1	1	2
	Carcinoma, Nos	1	1	2
	Mucinous Adenocarcinoma		2	2
	Leiomyosarcoma Nos		1	1
	Adenocarcinoma In Tubulovillous Adenoma		1	1
	Squamous Cell Carcinoma, Keratinizing, Nos	1		1
C17 Small intestine	Adenocarcinoma, Nos	3	13	16
	Gastrointestinal Stromal Sarcoma	8	7	15
	Neuroendocrine Carcinoma, Nos	1	3	4
	Carcinoma, Nos		1	1
C18 Colon	Adenocarcinoma, Nos	48	92	140
	Signet Ring Cell Carcinoma	5	13	18
	Mucinous Adenocarcinoma	6	4	10
	Adenocarcinoma In Tubulovillous Adenoma	3	4	7
	Neuroendocrine Carcinoma, Nos	4	1	5
	Carcinoma, Nos	1	1	2
	Neoplasm, Malignant	1		1
	Carcinoid Tumor, Nos	1		1
	Adenocarcinoma In Adenomatous Polyp		1	1
C19-C21 Rectosigmoid junction, rectum, anal canal, and anus	Adenocarcinoma, Nos	39	119	158
	Signet Ring Cell Carcinoma	10	41	51
	Adenocarcinoma In Tubulovillous Adenoma	10	12	22
	Mucinous Adenocarcinoma	6	14	20
	Neuroendocrine Carcinoma, Nos		2	2
	Squamous Cell Carcinoma, Nos	1	5	6
	Adenocarcinoma In Villous Adenoma		1	1
	Malignant Melanoma, Nos	2	5	7
	Adenocarcinoma With Neuroendocrine Differentiation		1	1
	Adenocarcinoma In Situ In Tubulovillous Adenoma		1	1
	Adenocarcinoma In Adenomatous Polyp		1	1
C22 Liver & intrahepatic bile ducts	Hepatocellular Carcinoma, Nos	34	72	106
	Hepatoblastoma	3	6	9
	Cholangiocarcinoma	6	1	7
	Klatskin Tumor		1	1
	Hepatocellular Carcinoma, Fibrolamellar		1	1
C23-C24 Gallbladder & other and unspecified parts of biliary tract	Adenocarcinoma, Nos	22	31	53
	Adenocarcinoma In Tubulovillous Adenoma	2	2	4
	Neuroendocrine Carcinoma, Nos	2	1	3
	Neoplasm, Malignant	1	2	3
	Signet Ring Cell Carcinoma	2	1	3
	Adenocarcinoma, Intestinal Type	1	1	2
	Mucinous Adenocarcinoma		2	2
C25 Pancreas	Adenocarcinoma, Nos	18	27	45
	Neuroendocrine Carcinoma, Nos	4		4
	Neoplasm, Malignant	2	1	3
	Carcinoma, Nos	1	1	2
	Carcinoma, Anaplastic, Nos		1	1
	Solid Pseudopapillary Carcinoma	1		1
	Small Cell Carcinoma, Nos		1	1
C31-C31 Nasal cavity, middle ear and accessory sinuses	Squamous Cell Carcinoma, Nos	2	7	9
	Adenoid Cystic Carcinoma	2	1	3
	Adenocarcinoma, Nos	1	2	3
	Neuroendocrine Carcinoma, Nos		2	2
	Carcinoma, Nos	2		2
	Olfactory Neuroblastoma	1		1

	Chondroid Chordoma		1	1
	Adenocarcinoma, Intestinal Type		1	1
	Langerhans Cell Histiocytosis, Disseminated		1	1
	Malignant Myoepithelioma		1	1
	Basaloid Squamous Cell Carcinoma		1	1
C32 Larynx	Squamous Cell Carcinoma, Nos	14	68	82
	Squamous Cell Carcinoma, Keratinizing, Nos		5	5
	Squamous Cell Carcinoma In Situ, Nos		2	2
	Kaposi Sarcoma		1	1
	Carcinoma In Situ, Nos		1	1
	Papillary Squamous Cell Carcinoma		1	1
C33-C34 Trachea, bronchus and lung	Squamous Cell Carcinoma, Nos	4	42	46
	Adenocarcinoma, Nos	9	20	29
	Small Cell Carcinoma, Nos	2	10	12
	Neuroendocrine Carcinoma, Nos	4	6	10
	Non-Small Cell Carcinoma		5	5
	Adenosquamous Carcinoma		4	4
	Atypical Carcinoid Tumor	2	2	4
	Carcinoma, Nos		4	4
	Mucoepidermoid Carcinoma	2	1	3
	Adenoid Cystic Carcinoma	1	2	3
	Neoplasm, Malignant		3	3
	Squamous Cell Carcinoma, Keratinizing, Nos		3	3
	Germinoma		3	3
	Acinar Cell Carcinoma		1	1
	Mucinous Adenocarcinoma		1	1
C37-C38 Thymus, heart, mediastinum & pleura	Thymoma, Type B3, Malignant	1	1	2
	Thymoma, Type B2, Malignant	1	1	2
	Carcinoma, Nos		1	1
	Neuroendocrine Carcinoma, Nos	1		1
C40-41 Bones, Joints & Articular Cartilage	Ewing Sarcoma	16	15	31
	Osteosarcoma, Nos	12	16	28
	Chondrosarcoma, Nos	5	5	10
	Chondroblastic Osteosarcoma	2	2	4
	Neoplasm, Malignant	1	1	2
	Ameloblastoma, Malignant	1		1
	Langerhans Cell Histiocytosis, Nos		1	1
	Langerhans Cell Histiocytosis, Disseminated	1		1
	Clear Cell Chondrosarcoma		1	1
C42 Hematopoietic and reticuloendothelial system	Chronic Myelogenous Leukemia, Bcr/Abl Positive	64	98	162
	Precursor B-Cell Lymphoblastic Leukemia	27	81	108
	B-Cell Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma	21	39	60
	Chronic Myeloid Leukemia, Nos	24	33	57
	Multiple Myeloma	16	39	55
	Precursor T-Cell Lymphoblastic Leukemia	1	10	11
	Acute Myeloid Leukemia, Nos	5	5	10
	Hairy Cell Leukemia		3	3
	Waldenstrom Macroglobulinemia		3	3
	Plasmacytoma, Nos		2	2
	Polycythemia Vera	1	1	2
	Myeloproliferative neoplasm, unclassifiable		1	1
	Myelodysplastic Syndrome, Nos		1	1
	Chronic Neutrophilic Leukemia	1		1
	Myelosclerosis with myeloid metaplasia		1	1
	Acute Leukemia, Nos		1	1
	Acute Myeloid Leukemia With Maturation Fab M2, Nos	1		1
	Acute Biphenotypic Leukemia	1		1
	Chronic Myelomonocytic Leukemia, Nos		1	1

	Acute Myeloid Leukemia, Minimal Differentiation Fab M0		1	1
C44 Skin	Squamous Cell Carcinoma, Nos	23	44	67
	Basal Cell Carcinoma, Nodular	25	40	65
	Basal Cell Carcinoma, Nos	26	19	45
	Dermatofibrosarcoma, Nos	3	4	7
	Malignant Melanoma, Nos	2	3	5
	Basosquamous Carcinoma	2	2	4
	Sebaceous Adenocarcinoma	3		3
	Squamous Cell Carcinoma, Keratinizing, Nos	1	2	3
	Carcinoma, Nos		1	1
	Mucin-Producing Adenocarcinoma		1	1
	Papillary Squamous Cell Carcinoma	1		1
	Basaloid Squamous Cell Carcinoma	1		1
	Skin Appendage Carcinoma	1		1
	Squamous Cell Carcinoma In Situ, Nos		1	1
	Carcinoma In Situ, Nos		1	1
	Mucinous Adenocarcinoma		1	1
	Apocrine Adenocarcinoma		1	1
	Eccrine Poroma, Malignant		1	1
	C47 Periph. nerves & auto-immune N.S.	Neuroblastoma, Nos	1	1
Malignant Peripheral Nerve Sheath Tumor			2	2
C49 Connective, subcutaneous & other soft tissues	Synovial Sarcoma, Nos	9	12	21
	Spindle Cell Sarcoma	2	8	10
	Giant Cell Sarcoma	4	5	9
	Undifferentiated Sarcoma	6	2	8
	Pleomorphic Liposarcoma	1	4	5
	Fibromyxosarcoma	1	4	5
	Leiomyosarcoma Nos	1	3	4
	Sarcoma, Nos	3		3
	Clear Cell Sarcoma, Nos		3	3
	Embryonal Rhabdomyosarcoma, Nos	1	2	3
	Myxoid Liposarcoma	1	2	3
	Dedifferentiated Liposarcoma	1	1	2
	Synovial Sarcoma, Spindle Cell	2		2
	Myxoid Chondrosarcoma		2	2
	Hemangiosarcoma	2		2
	Ewing Sarcoma	1		1
	Alveolar Rhabdomyosarcoma		1	1
	Epithelioid Sarcoma		1	1
	Fibrosarcoma, Nos		1	1
Myosarcoma		1	1	
Histiocytic Sarcoma		1	1	
C50 Breast	Infiltrating Duct Carcinoma, Nos	1212	9	1221
	Lobular Carcinoma, Nos	77		77
	Infiltrating Duct Mixed With Other Types Of Carcinoma	43		43
	Metaplastic Carcinoma, Nos	13		13
	Carcinoma, Nos	11		11
	Infiltrating Duct And Lobular Carcinoma	10		10
	Paget Disease And Infiltrating Duct Carcinoma Of Breast	9		9
	Inflammatory Carcinoma	7		7
	Ductal Carcinoma In Situ, Solid Type	7		7
	Papillary Carcinoma, Nos	6		6
	Paget Disease, Mammary	5		5
	Comedocarcinoma, Noninfiltrating	5		5
	Paget Disease And Intraductal Carcinoma Of Breast	4		4
	Noninfiltrating Intraductal Papillary Adenocarcinoma	3		3

	Mucinous Adenocarcinoma	3		3
	Cribriform Carcinoma In Situ	2		2
	Papillary Carcinoma, Encapsulated	2		2
	Neuroendocrine Carcinoma, Nos	2		2
	Neoplasm, Malignant	2		2
	Phyllodes Tumor, Malignant	2		2
	Intraductal Carcinoma, Noninfiltrating, Nos	1		1
	Intracystic Carcinoma, Nos	1		1
	Intraductal Micropapillary Carcinoma	1		1
	Sarcoma, Nos	1		1
	Comedocarcinoma, Nos	1		1
	Cribriform Carcinoma, Nos	1		1
	Medullary Carcinoma, Nos	1		1
C51-C52 Vulva & Vagina	Squamous Cell Carcinoma, Nos	6		6
	Embryonal Rhabdomyosarcoma, Nos	5		5
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos	2		2
	Malignant Melanoma, Nos	2		2
	Squamous Cell Carcinoma, Keratinizing, Nos	2		2
C53 Cervix uteri	Squamous Cell Carcinoma, Keratinizing, Nos	40		40
	Squamous Cell Carcinoma, Nos	33		33
	Squamous Cell Carcinoma, Large Cell, Nonkeratinizing, Nos	29		29
	Clear Cell Adenocarcinoma, Nos	6		6
	Adenosquamous Carcinoma	5		5
	Adenocarcinoma, Nos	5		5
	Adenocarcinoma, Endocervical Type	4		4
	Serous Cystadenocarcinoma, Nos	2		2
	Carcinoma, Nos	2		2
	Squamous Cell Carcinoma In Situ With Questionable Stromal Invasion	1		1
	Squamous Intraepithelial Neoplasia, Grade Iii	1		1
	Endometrioid Adenocarcinoma, Nos	1		1
	Neoplasm, Malignant	1		1
C54 Corpus uteri	Endometrioid Adenocarcinoma, Nos	68		68
	Serous Cystadenocarcinoma, Nos	17		17
	Choriocarcinoma, Nos	4		4
	Carcinosarcoma, Nos	6		6
	Endometrial Stromal Sarcoma, Low Grade	3		3
	Clear Cell Adenocarcinoma, Nos	2		2
	Neoplasm, Malignant	2		2
	Papillary Serous Cystadenocarcinoma	2		2
	Mullerian Mixed Tumor	1		1
	Leiomyosarcoma Nos	1		1
	Adenocarcinoma, Nos	1		1
C55 Uterus	Leiomyosarcoma Nos	4		4
	Serous Cystadenocarcinoma, Nos	1		1
	Endometrial Stromal Sarcoma, Nos	1		1
	Endometrioid Adenocarcinoma, Nos	1		1
C56 Ovary	Serous Cystadenocarcinoma, Nos	36		36
	Endometrioid Adenocarcinoma, Nos	19		19
	Dysgerminoma	14		14
	Clear Cell Adenocarcinoma, Nos	12		12
	Mucinous Adenocarcinoma	11		11
	Yolk Sac Tumor	7		7
	Mixed Germ Cell Tumor	6		6
	Teratoma, Malignant, Nos	5		5
	Granulosa Cell Tumor, Malignant	5		5

	Papillary Serous Cystadenocarcinoma	3		3
	Carcinoma, Nos	3		3
	Leiomyosarcoma Nos	3		3
	Mucinous Cystadenocarcinoma, Nos	2		2
	Sertoli-Leydig Cell Tumor, Poorly Differentiated	2		2
	Choriocarcinoma, Nos	2		2
	Neoplasm, Malignant	1		1
	Carcinosarcoma, Nos	1		1
	Squamous Cell Carcinoma, Nos	1		1
	Carcinoma, Undifferentiated, Nos	1		1
	Serous Surface Papillary Carcinoma	1		1
	Brenner Tumor, Malignant	1		1
	Mixed Cell Adenocarcinoma	1		1
	Neuroendocrine Carcinoma, Nos	1		1
C58 Placenta	Choriocarcinoma, Nos	3		3
C60 Penis	Squamous Cell Carcinoma, Nos		2	2
C61 Prostate	Adenocarcinoma, Nos		304	304
	Carcinoma, Nos		1	1
	Adenocarcinoma With Neuroendocrine Differentiation		1	1
	Neoplasm, Malignant		1	1
	Small Cell Carcinoma, Nos		1	1
	Acinar Cell Carcinoma		1	1
	Adenosquamous Carcinoma		1	1
C62-63 Testis & other male genital organs	Mixed Germ Cell Tumor		60	60
	Seminoma, Nos		41	41
	Yolk Sac Tumor		22	22
	Teratoma, Malignant, Nos		8	8
	Embryonal Carcinoma, Nos		3	3
	Germinoma		3	3
	Spermatocytic Seminoma		2	2
	Squamous Cell Carcinoma, Nos		1	1
	Choriocarcinoma, Nos		1	1
	Neoplasm, Malignant		1	1
C64-C66 Kidney, renal pelvis and ureter	Renal Cell Carcinoma, Nos	27	45	72
	Nephroblastoma, Nos	24	28	52
	Renal Cell Carcinoma, Chromophobe Type	11	2	13
	Renal Cell Carcinoma, Sarcomatoid		4	4
	Papillary Adenocarcinoma, Nos		4	4
	Neoplasm, Malignant		5	5
	Transitional Cell Carcinoma, Nos		2	2
	Clear Cell Sarcoma Of Kidney		2	2
	Malignant Cystic Nephroma	1		1
	Malignant Rhabdoid Tumor		1	1
	Synovial Sarcoma, Nos	1		1
	Dedifferentiated Liposarcoma	1		1
	Clear Cell Adenocarcinoma, Nos	1		1
	Papillary Transitional Cell Carcinoma	1		1
	Embryonal Rhabdomyosarcoma, Nos	1		1
C67 Bladder	Papillary Transitional Cell Carcinoma	18	99	117
C68 Urethra	Transitional Cell Carcinoma, Nos	15	47	62
	Embryonal Rhabdomyosarcoma, Nos	2	1	3
	Transitional Cell Carcinoma, Spindle Cell		1	1
	Adenocarcinoma, Nos	1		1
	Nephroblastoma, Nos		1	1
C69 Eye and Adnexa	Retinoblastoma, Nos	12	12	24
	Retinoblastoma, Differentiated	2	3	5

	Retinoblastoma, Undifferentiated	1	1	2
	Squamous Cell Carcinoma, Nos	1		1
	Adenoid Cystic Carcinoma	1		1
C70-C71 Meninges and brain	Glioma, Malignant	16	28	44
	Glioblastoma, Nos	14	27	41
	Astrocytoma, Nos	8	23	31
	Oligodendroglioma, Nos	9	6	15
	Oligodendroglioma, Anaplastic	1	6	7
	Ependymoma, Nos	1	5	6
	Astrocytoma, Anaplastic	1	5	6
	Medulloblastoma, Nos	1	4	5
	Gemistocytic Astrocytoma	1	1	2
	Pleomorphic Xanthoastrocytoma	1	1	2
	Astroblastoma	1		1
	Hemangiopericytoma, Malignant		1	1
	Ependymoma, Anaplastic		1	1
	Meningioma, Malignant		1	1
C72 Spinal cord, cranial nerves & other parts of CNS	Ependymoma, Nos	2	4	6
	Astrocytoma, Nos	3	1	4
	Neoplasm, Malignant	1	1	2
	Langerhans Cell Histiocytosis, Disseminated	1		1
C73 Thyroid	Papillary Carcinoma, Nos	71	29	100
	Papillary Carcinoma, Follicular Variant	16	3	19
	Medullary Carcinoma, Nos	8	4	12
	Papillary Microcarcinoma	3		3
	Follicular Adenocarcinoma, Nos	3		3
	Papillary Carcinoma, Encapsulated	2	1	3
	Carcinoma, Anaplastic, Nos	2		2
	Carcinoma, Nos	1		1
	Papillary carcinoma	1		1
	Neuroendocrine Carcinoma, Nos		1	1
C74 Adrenal gland	Adrenal Cortical Carcinoma	2	2	4
	Pheochromocytoma, Malignant	1		1
C75 Other endocrine glands & related structures	Pituitary Adenoma, Nos	21	20	41
	Neoplasm, Uncertain Whether Benign Or Malignant	5	4	9
	Meningioma, Nos	5		5
	Neurilemoma, Nos		3	3
	Prolactinoma	1	1	2
	Central Neurocytoma	1	1	2
	Hemangioblastoma	1	1	2
	Hemangioma, Nos		2	2
	Myxopapillary Ependymoma (C72.0)		2	2
	Ganglioglioma, Nos		1	1
	Pilocytic Astrocytoma		1	1
	Adenoma, Nos		1	1
	Chordoma, Nos	1		1
	Pineocytoma		1	1
	Neoplasm, Benign	1		1
	Tumor Cells, Uncertain Whether Benign Or Malignant		1	1
	Cavernous Hemangioma	1		1
	Craniopharyngioma Adamantinomatous	1		1
	Pituitary Carcinoma, Nos		1	1
Astrocytoma, Nos		1	1	
Meningothelial Meningioma	1		1	
C76 Other & ill-defined sites	Yolk Sac Tumor	3	3	6
	Mixed Germ Cell Tumor	2	2	4
	Gastrointestinal Stromal Sarcoma		3	3
	Teratoma, Malignant, Nos		1	1

	Seminoma, Nos		1	1
	Plasmacytoma, Extramedullary		1	1
	Pseudosarcomatous Carcinoma	1		1
	Germ Cell Tumor, Nonseminomatous		1	1
	Squamous Cell Carcinoma, Nos		1	1
	Choriocarcinoma, Nos		1	1
	Dysgerminoma	1		1
	Carcinosarcoma, Nos		1	1
	Neoplasm, Malignant		1	1
C77 Lymph nodes, (NHL, HL, LCH)	Malignant Lymphoma, Large B-Cell Diffuse Nos	54	111	165
	Hodgkin Lymphoma, Mixed Cellularity, Nos	49	108	157
	Hodgkin Lymphoma, Nodular Sclerosis, Nos	38	66	104
	Burkitt Lymphoma, Nos	13	49	62
	Hodgkin Lymphoma, Nos	14	25	39
	Hodgkin Lymphoma, Nodular Lymphocyte Predominance	3	12	15
	Marginal Zone B-Cell Lymphoma, Nos	8	7	15
	Precursor T-Cell Lymphoblastic Lymphoma	1	12	13
	Malignant Lymphoma, Non-Hodgkin, Nos	4	4	8
	Follicular Lymphoma, Grade 2	2	6	8
	Follicular Lymphoma, Grade 1	5	3	8
	Hodgkin Lymphoma, Lymphocyte-Rich	4	3	7
	Anaplastic Large Cell Lymphoma, T Cell And Null Cell Type	1	5	6
	Nk/T-Cell Lymphoma, Nasal And Nasal-Type		3	3
	Precursor B-Cell Lymphoblastic Lymphoma	1	2	3
	B-Cell Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma	1	1	2
	Mature T-Cell Lymphoma, Nos	1	1	2
	Mantle Cell Lymphoma		2	2
	Composite Hodgkin And Non-Hodgkin Lymphoma	1	1	2
	Follicular Lymphoma, Grade 3		2	2
	Langerhans Cell Histiocytosis, Disseminated		2	2
	Hodgkin Lymphoma, Nodular Sclerosis, Grade 2	1		1
	Precursor T-Cell Lymphoblastic Leukemia		1	1
	Angioimmunoblastic T-Cell Lymphoma		1	1
Mediastinal Large B-Cell, Lymphoma		1	1	
Follicular Lymphoma, Nos		1	1	
Malignant Lymphoma, Lymphoplasmacytic		1	1	
C80 Unknown primary site	Carcinoma, Nos	1	3	4
	Neoplasm, Malignant	1	2	3
	Adenocarcinoma, Nos	1	2	3
	Neuroendocrine Carcinoma, Nos		2	2
	Squamous Cell Carcinoma, Nos	1	1	2
	Carcinomatosis	1		1
	Germinoma	1		1
Grand Total		3392	3195	6587

"NOS" is an abbreviation for Not Otherwise Specified