

# National Cancer Registry Programme

## Report of Population Based Cancer Registry (PBCR) 2015



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**NATIONAL CANCER REGISTRY PROGRAMME****Population Based Cancer Registry****2015**

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June 2018

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## Executive Summary

In the year 2015, cancer cases were reported from data source institutions for the process of population based cancer registration. Among them the cases were verified by name, age, sex and disease i.e. topography/morphology. Cases from out of projected areas i.e. selected 15 districts and multiple entry were excluded from data base and total 2950 cases were analyzed for the purpose.

The mean age at diagnosis in 2015 was 52.8 yrs. Cancer of bronchus& lung was the common topography followed by cervix uteri and breast cancer. Biopsy/histology was the first basis of diagnosis followed by cytology/hematology and radiology. In 2015, most of the patients treated with chemotherapy followed by radiotherapy and surgery. Among the cases only 57.8% were received treatment, 1.9% cases did not receive treatment and 0.1% were not accepted for treatment in 2015. Whereas 40.1% were unknown/ unclear about treatment.

Among the cases in the year of 2015, 50.4% cases received treatment for curative purpose, 20.2% for palliative care and 29.4 % cases had unknow/ unclear about treatment modalities.

### Introduction

Hospital based cancer registry has been started in Nepal since 2003 by B.P. Koirala Memorial cancer Hospital (BPKMCH). However, population based cancer registry (PBCR) was not started until 2013. To address the need of population based cancer registry, Cancer Prevention Control and Research Department of BPKMCH initiated the population based cancer registry in 2013. Population based cancer registry is the process of recording new cancer patients from defined population. The information from cancer registry provides a data source for planning and evaluation of cancer control activities and epidemiological studies. The PBCR provides incidence rates, characteristics of the population concerned and clues to etiology and prevention.

### Objectives

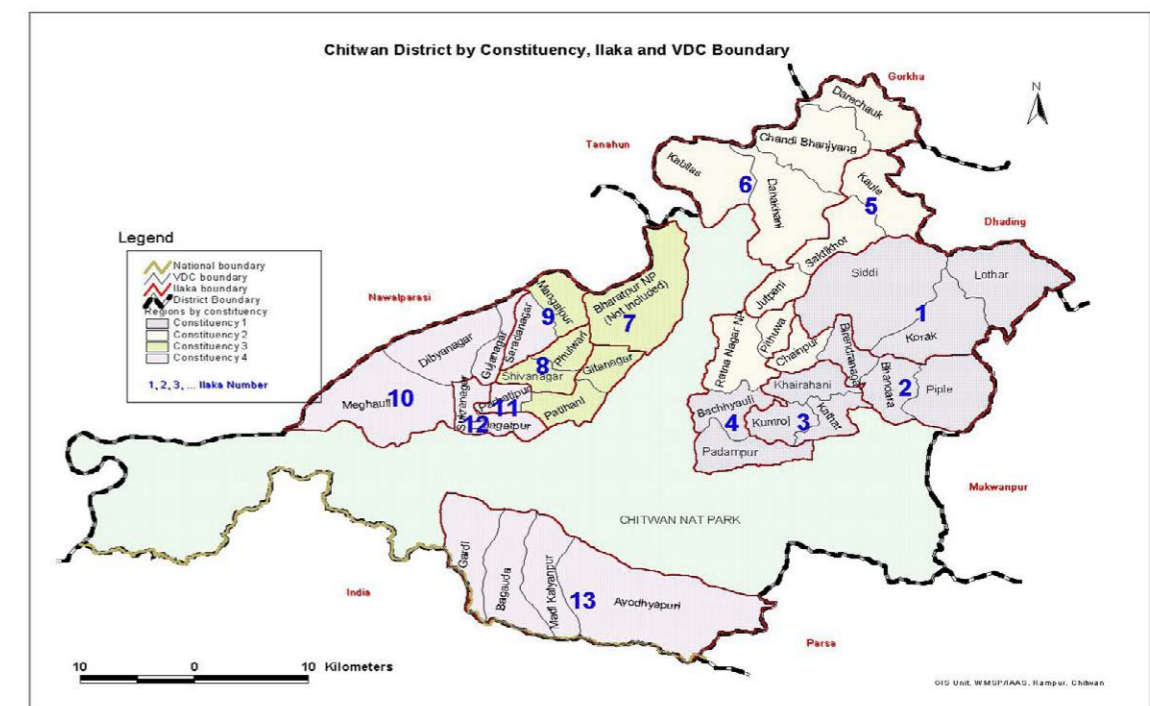
To record all new cancer cases of study areas.

To assess death rates due to cancer in the community.

To develop a database of cancer with relevant details.

To provide data for epidemiological research of descriptive and analytical studies.

To provide information for planning cancer prevention and control program.



### Area and population covered by this study

S.N.	District's Name	Male	Female	Total
1	Chitwan	298400	297681	658114
2	Makwanpue	243921	238877	528160
3	Bara	361920	347026	708947
4	parsa	322851	305630	628481
5	Nawalparasi	350017	352031	702048
6	Rupandehi	456337	445481	901818
7	Kapilvastu	306323	295986	602309
8	Dhading	204735	207581	412317
9	Gorkha	165830	175941	341771
10	Myagdi	65686	69928	135613
11	Tanahun	183533	195926	378559
12	Baglung	154590	166206	320796
13	Parbat	89095	95287	320796
14	Kaski	235364	240541	475905
15	Mustang	9017	8146	17163
	<b>Total</b>	<b>3447619</b>	<b>3442268</b>	<b>6889887</b>

Total population of Nepal: 2,66,208,09(2068)

Total Population of study area : 68,89,887

Coverage 25.88% of total population



### Methodology

The information of all new cancer cases that were diagnosed and treated in hospitals and institutions were collected and recorded. The mortality data was also collected from office of the vital events registration unit of each DDC/VDCs/ Municipalities of relevant districts as well as study areas. Collected data were coded based on ICD O 3dr published by IARC/WHO and proceed for data analysis.

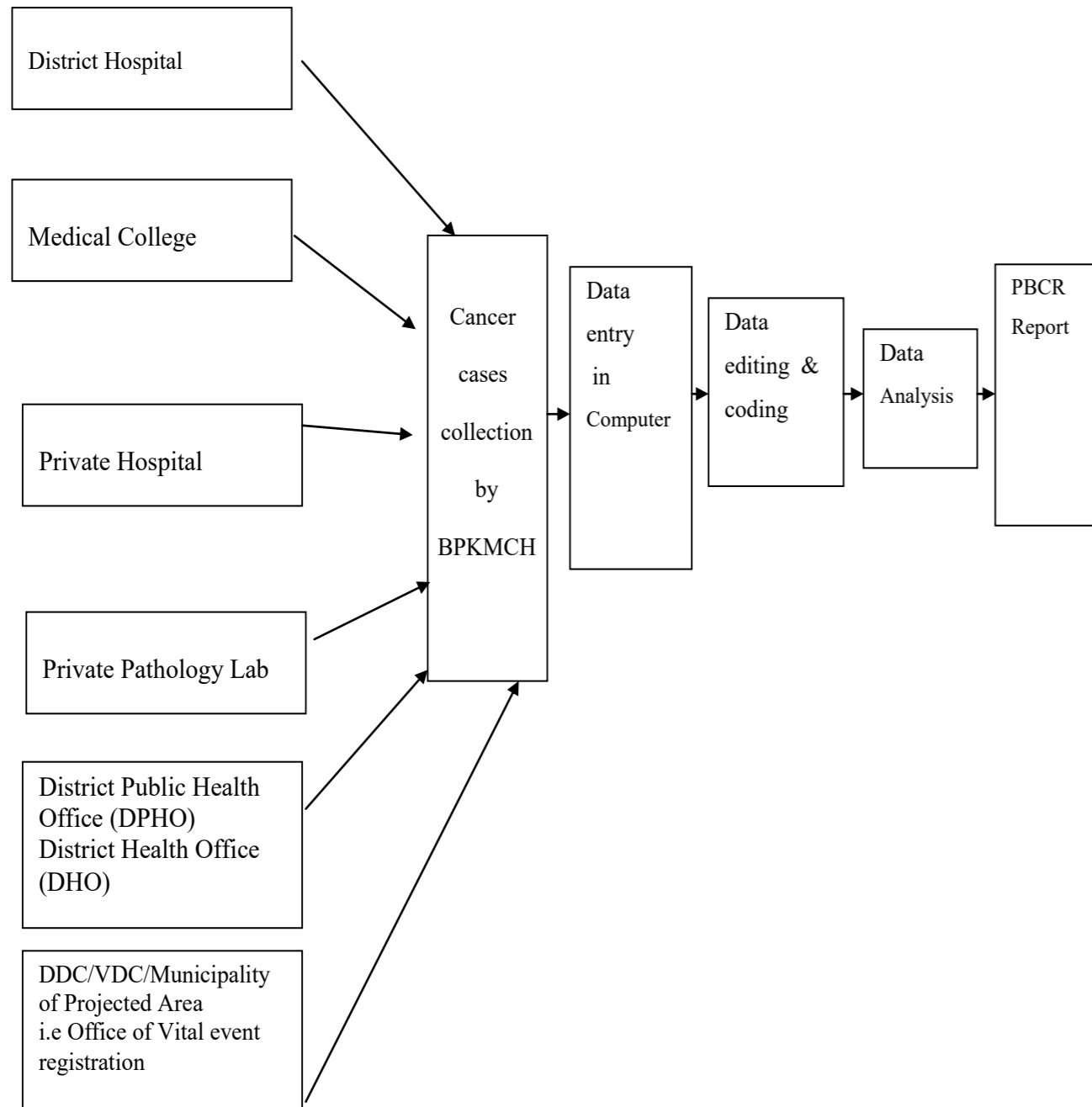
#### Data Sources

- District Hospitals, Medical colleges and other hospitals.
- District Public Health Office and other relevant organizations.
- DDC /VDC/Municipality of study area, i.e. office of vital event registration.
- Privet hospitals, Diagnostic labs, hospice etc.

#### Inclusion Criteria:

- The inclusion criteria of cancer cases were set up by National Cancer Registry as follows:
- Those Cases living permanently in the study area, as per define population in census.
- Diagnosed cases of cancer including mortality in the study year are included.
- The minimum diagnostic criteria included tissue diagnosis (HPE or cytology)

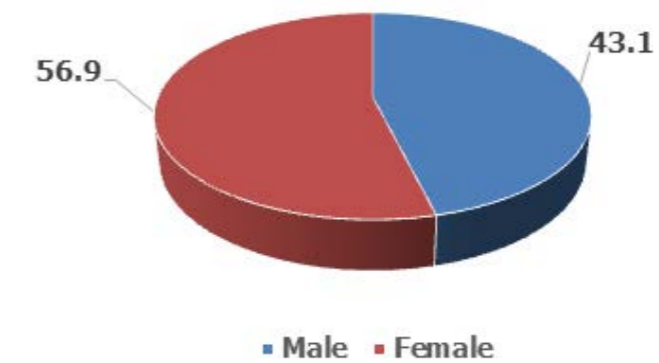


**Working Model of Population based Cancer Registry Programme-****Results**

Population based cancer registry helps to know the personal and demographic information like age, sex, address, topography and morphology of the cancer patients who lived in a particular geographical area. This type of cancer registry was started in Nepal by B.P.Koirala Memorial Cancer Hospital, for the first time in 2013. This study includes data from fifteen districts of the country situated in Terai, hills and Himalaya. Therefore, outcome of this study can be used to infer an overall situation of cancer in Nepal.

**Table 1:** Distribution of cases by sex

Distribution of cases by sex		
Sex	#	%
Male	1271	43.1
Female	1679	56.9
Total	2950	100

**Figure 1:** Distribution of total cases by sex**Table 2:** Distribution of cases by districts and sex

Districts	Male		Female		Total	
	#	%	#	%	#	%
Baglung	64	5.0	88	5.2	152	5.2
Bara	68	5.4	101	6.0	169	5.7
Chitwan	176	13.8	198	11.8	374	12.7
Dhading	103	8.1	114	6.8	217	7.4
Gorkha	94	7.4	126	7.5	220	7.5
Kapilvastu	67	5.3	79	4.7	146	4.9
Kaski	154	12.1	215	12.8	369	12.5
Makwanpur	102	8.0	111	6.6	213	7.2
Mustang	6	0.5	12	0.7	18	0.6
Myagdi	20	1.6	43	2.6	63	2.1
Nawalparasi	104	8.2	172	10.2	276	9.4
Parbat	55	4.3	68	4.1	123	4.2
Parsa	69	5.4	82	4.9	151	5.1
Rupendehi	117	9.2	165	9.8	282	9.6
Tanahun	72	5.7	105	6.3	177	6.0
Total	1271	100.0	1679	100.0	2950	100.0

**Table 3:** Distribution of cases by broad age group and sex

Age group	Sex				Total	
	Male		Female		#	%
	#	%	#	%		
0-14 yrs	86	6.8	35	2.1	121	4.1
15-34 yrs	133	10.5	171	10.2	304	10.3

35-64 yrs	603	47.4	1065	63.4	1668	56.5
65+ yrs	449	35.3	408	24.3	857	29.1
Total	1271	100.0	1679	100.0	2950	100.0

Table 4: Distribution of cases by age group and sex

Age group	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
0-4 yrs	34	2.7	8	0.5	42	1.4
5-9 yrs	26	2.0	14	0.8	40	1.4
10-14 yrs	26	2.0	13	0.8	39	1.3
15-19 yrs	31	2.4	28	1.7	59	2.0
20-24 yrs	33	2.6	35	2.1	68	2.3
25-29 yrs	34	2.7	36	2.1	70	2.4
30-34 yrs	35	2.8	72	4.3	107	3.6
35-39 yrs	54	4.2	100	6.0	154	5.2
40-44 yrs	73	5.7	153	9.1	226	7.7
45-49 yrs	67	5.3	186	11.1	253	8.6
50-54 yrs	116	9.1	203	12.1	319	10.8
55-59 yrs	130	10.2	198	11.8	328	11.1
60-64 yrs	163	12.8	225	13.4	388	13.2
65-69 yrs	151	11.9	169	10.1	320	10.8
70-74 yrs	153	12.0	123	7.3	276	9.4
75-79 yrs	84	6.6	71	4.2	155	5.3
80 + yrs	61	4.8	45	2.7	106	3.6
Total	1271	100.0	1679	100.0	2950	100.0

Figure 2: Distribution of total cases by age group and sex

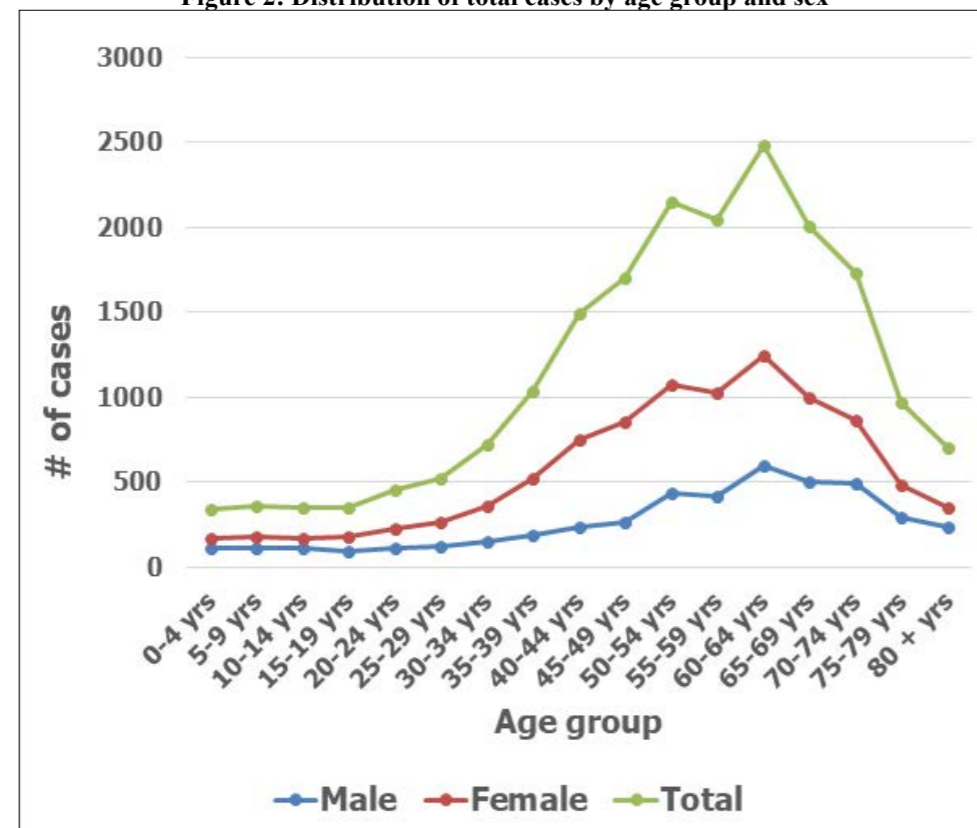


Table 5: Distribution of cases by marital status and sex

Marital status	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Unmarried	23	1.8	23	1.4	46	1.6
Married	686	54.0	950	56.6	1636	55.5
Widow	32	2.5	70	4.2	102	3.5
Not Available	444	34.9	601	35.8	1045	35.4
Not Applicable	86	6.8	35	2.1	121	4.1
Total	1271	100.0	1679	100.0	2950	100.0

Note: Age below 15 years is considered as not applicable and excluded in analysis.

Table 6: Distribution of cases by religion &amp; sex

Religion	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Hindu	954	75.1	1208	71.9	2162	73.3
Buddhist	109	8.6	171	10.2	280	9.5
Islam	39	3.1	63	3.8	102	3.5
Christian	1	0.1	2	0.1	3	0.1
Others	7	0.6	3	0.2	10	0.3
NA	161	12.7	232	13.8	393	13.3
Total	1271	100.0	1679	100.0	2950	100.0

Table 7: Distribution of cases by educational status and sex

Education	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Literate	376	29.6	315	18.8	691	23.4
Illiterate	351	27.6	693	41.3	1044	35.4
Not available	544	42.8	671	40.0	1215	41.2
Not applicable	34	2.7	8	0.5	42	1.4
Total	1271	100.0	1679	100.0	2950	100.0

Note: Age below 5 years is considered as not applicable and excluded in analysis

Table 8: Distribution of cases by occupational &amp; sex

Occupation	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Agriculture	414	32.6	160	9.5	574	19.5
Bussiness	19	1.5	24	1.4	43	1.5
Housework	148	11.6	752	44.8	900	30.5
Office work	35	2.8	24	1.4	59	2.0
Others	73	5.7	43	2.6	116	3.9
Not available	496	39.0	641	38.2	1137	38.5
Not applicable	86	6.8	35	2.1	121	4.1
Total	1271	100.0	1679	100.0	2950	100.0

Note: Age below 5 years is considered as not applicable and excluded in analysis

**Table 9: Distribution of cases by basis of diagnosis and sex**

Basis of diagnosis	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Clinical Examination	10	0.8	5	0.3	15	0.5
Endoscopy	22	1.7	19	1.1	41	1.4
Biopsy/Histology	514	40.4	803	47.8	1317	44.6
Cytology/Haematology	250	19.7	278	16.6	528	17.9
Biochemical/Immunological test	1	0.1	6	0.4	7	0.2
Not Available	341	26.8	393	23.4	734	24.9
Radiology	128	10.1	169	10.1	297	10.1
Death Certificate	5	0.4	6	0.4	11	0.4
Total	1271	100.0	1679	100.0	2950	100.0

**Table 10: Distribution of cases by behavior and sex**

Behavior	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Carcinoma in situ	15	1.2	21	1.3	36	1.2
Malignant of primary site	567	44.6	820	48.8	1387	47.0
Malignant of secondary site	16	1.3	14	0.8	30	1.0
Malignant but site is uncertain	4	0.3	7	0.4	11	0.4
Not available	669	52.6	817	48.7	1486	50.4
Total	1271	100.0	1679	100.0	2950	100.0

**Table 11: Distribution of cases by grade and sex**

Grade	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Well-differentiated/Grade I	210	16.5	307	18.3	517	17.5
Moderately-differentiated/Grade II	106	8.3	212	12.6	318	10.8
Poorly -differentiated/Grade III	56	4.4	77	4.6	133	4.5
Undifferentiated/Grade IV	27	2.1	31	1.8	58	2.0
Others	15	1.2	16	1.0	31	1.1
Not available	857	67.4	1036	61.7	1893	64.2
Total	1271	100.0	1679	100.0	2950	100.0

**Table 12: Distribution of cases by extent of disease and sex**

Extent of disease	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
In situ	7	0.6	11	0.7	18	0.6
Localized	174	13.7	313	18.6	487	16.5
Direct extension	8	0.6	4	0.2	12	0.4
Direct extension with regional lymph node involvement	23	1.8	29	1.7	52	1.8
Regional lymph node involvement	39	3.1	62	3.7	101	3.4
Distant metastasis	69	5.4	63	3.8	132	4.5

Unknown	54	4.2	74	4.4	128	4.3
Not applicable	76	6.0	51	3.0	127	4.3
Not available	821	64.6	1072	63.8	1893	64.2
Total	1271	100.0	1679	100.0	2950	100.0

**Table 13: Distribution of cases by treatment given and sex**

Treatment given/taken	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Yes	707	55.6	998	59.4	1705	57.8
No	29	2.3	28	1.7	57	1.9
Not accepted	1	0.1	3	0.2	4	0.1
Unknown	534	42.0	650	38.7	1184	40.1
Total	1271	100.0	1679	100.0	2950	100.0

**Table 14: Distribution of cases by treatment given and sex (for treatment received only)**

Extent of disease	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Curative	350	49.5	509	51.0	859	50.4
Palliative	161	22.8	183	18.3	344	20.2
Not available	196	27.7	306	30.7	502	29.4
Total	707	100.0	998	100.0	1705	100.0

**Table 15: Distribution of cases by treatment received and sex**

Extent of disease	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Surgery (alone)	117	16.5	159	15.9	276	16.2
Radiotherapy	126	17.8	169	16.9	295	17.3
Chemotherapy	212	30.0	263	26.4	475	27.9
Supportive	71	10.0	81	8.1	152	8.9
Symptomatic	28	4.0	14	1.4	42	2.5
Surgery & Radiotherapy	24	3.4	51	5.1	75	4.4
Surgery & Chemotherapy	53	7.5	98	9.8	151	8.9
Radiotherapy & Chemotherapy	54	7.6	104	10.4	158	9.3
Surgery, Radiotherapy & Chemotherapy	22	3.1	59	5.9	81	4.8
Surgery with other modalities	99	14.0	208	20.8	307	34.8
Total	707	100.0	998	100.0	1705	100.0

**Table 16: Distribution of cases by status at last contact and sex**

Status at last contact	Sex				Total	
	Male		Female			
	#	%	#	%	#	%
Complete remission	5	0.4	22	1.3	27	0.9
Partial remission	306	24.1	508	30.3	814	27.6
Disease progression	28	2.2	36	2.1	64	2.2
Metastasis	14	1.1	14	0.8	28	0.9

Referred	9	0.7	9	0.5	18	0.6
Same	13	1.0	11	0.7	24	0.8
Death	28	2.2	36	2.1	64	2.2
Not available	868	68.3	1043	62.1	1911	64.8
Total	1271	100.0	1679	100.0	2950	100.0

Table 17: Distribution of cases by site and sex

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C00	Lip, oral cavity and pharynx	4	0	4	0.1
C02	Other and unspecified parts of tongue	39	17	56	1.9
C03	Gum	11	3	14	0.5
C04	Floor of mouth	2	1	3	0.1
C05	Palate	7	0	7	0.2
C06	Other and unspecified parts of mouth	28	8	36	1.2
C07	Parotid gland	7	5	12	0.4
C08	Other and unspecified major salivary glands	2	3	5	0.2
C09	Tonsil	8	3	11	0.4
C10	Oropharynx	2	2	4	0.1
C11	Nasopharynx	14	6	20	0.7
C12	Pyriiform sinus	29	8	37	1.3
C13	Hypopharynx	2	2	4	0.1
C14	Other and ill-defined sites in lip, oral cavity and pharynx	4	0	4	0.1
C15	Esophagus	36	29	65	2.2
C16	Stomach	84	85	169	5.7
C17	Small intestine	5	3	8	0.3
C18	Colon	36	19	55	1.9
C19	Rectosigmoid junction	4	5	9	0.3
C20	Rectum	42	33	75	2.5
C21	Anus and anal canal	2	2	4	0.1
C22	Liver and intrahepatic bile duct	42	26	68	2.3
C23	Gall bladder	28	64	92	3.1
C24	Other and unspecified parts of biliary tract	6	11	17	0.6
C25	Pancreas	18	14	32	1.1
C26	Other and ill-defined digestive organs	9	0	9	0.3
C30	Nasal cavity and middle ear	10	7	17	0.6
C31	Accessory sinus	4	4	8	0.3
C32	Larynx	62	37	99	3.4
C34	Bronchus and lung	198	183	381	12.9
C37	Thymus	3	2	5	0.2
C38	Heart, mediastinum, and pleura	2	6	8	0.3
C40	Bones, joints and articular cartilage	12	6	18	0.6
C41	Bones, joints and articular cartilage of other and unspecified sites	21	8	29	1.0
C42.2	Spleen	1	0	1	0.0
C43	Skin melanoma	5	5	10	0.3
C44	Skin other	3	11	14	0.5
C47	Peripheral nerves and autonomic nervous system	0	1	1	0.0
C48	Retroperitoneum and peritoneum	2	4	6	0.2

C49	Connective, subcutaneous and other soft tissues	13	13	26	0.9
C50	Breast	3	264	267	9.1
C51	Vulva	0	8	8	0.3
C52	Vagina	0	12	12	0.4
C53	Cervix uteri	0	323	323	10.9
C54	Endometrium	0	18	18	0.6
C55	Uterus	0	3	3	0.1
C56	Ovary	0	125	125	4.2
C57	Other and unspecified female genital organs	0	6	6	0.2
C58	Placenta	0	2	2	0.1
C60	Penis	15	0	15	0.5
C61	Prostate gland	34	0	34	1.2
C62	Testes	14	0	14	0.5
C63	Other and unspecified male genital organs	1	0	1	0.0
C64	Kidney	20	21	41	1.4
C65	renal pelvis	0	1	1	0.0
C67	Bladder	59	22	81	2.7
C68	other and unspecified urinary organs	0	1	1	0.0
C69	Eye and adnexa	7	1	8	0.3
C70	Meninges	1	3	4	0.1
C71	Brain	51	45	96	3.3
C72	Spinal cord, cranial, nerves, and other parts of CNS	3	2	5	0.2
C73	Thyroid gland	9	38	47	1.6
C74	Adrenal gland	2	2	4	0.1
C75	Other endocrine glands and related structures	1	0	1	0.0
C76	Other and ill-defined sites	17	13	30	1.0
C77	Lymph nodes (different site)	28	13	41	1.4
C80	Unknown primary site	17	13	30	1.0
C81	Hodgkin's disease	28	10	38	1.3
C85	NHL	32	20	52	1.8
C90	Multiple myeloma	8	7	15	0.5
C91	Leukemia/lymphoid	41	22	63	2.1
C92	Leukemia/myeloid	32	24	56	1.9
C95	Leukemia unspecified	20	15	35	1.2
**	Unspecified	21	9	30	1.0
Total		1271	1679	2950	100.0

Table 18: Distribution of cases by sex for Baglung

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	1	0	1	0.7
C07	Parotid gland	1	0	1	0.7
C08	Other and unspecified major salivary glands	0	1	1	0.7
C12	Pyriiform sinus	3	2	5	3.3
C13	Hypopharynx	0	1	1	0.7
C15	Esophagus	0	2	2	1.3
C16	Stomach	3	3	6	3.9

C17	Small intestine	1	0	1	0.7
C18	Colon	1	0	1	0.7
C20	Rectum	2	2	4	2.6
C22	Liver and intrahepatic bile duct	1	3	4	2.6
C23	Gall bladder	1	2	3	2.0
C25	Pancreas	2	0	2	1.3
C30	Nasal cavity and middle ear	1	1	2	1.3
C34	Bronchus and lung	17	11	28	18.4
C38	Heart, mediastinum, and pleura	0	1	1	0.7
C40	Bones, joints and articular cartilage	1	1	2	1.3
C41	Bones, joints and articular cartilage of other and unspecified sites	1	1	2	1.3
C44	Skin other	0	1	1	0.7
C49	Connective, subcutaneous and other soft tissues	0	1	1	0.7
C50	Breast	0	9	9	5.9
C52	Vagina	0	1	1	0.7
C53	Cervix uteri	0	18	18	11.8
C54	Endometrium	0	2	2	1.3
C56	Ovary	0	6	6	3.9
C60	Penis	1	0	1	0.7
C61	Prostate gland	2	0	2	1.3
C62	Testes	1	0	1	0.7
C64	Kidney	1	0	1	0.7
C67	Bladder	5	0	5	3.3
C69	Eye and adnexa	1	0	1	0.7
C70	Meninges	0	1	1	0.7
C71	Brain	1	5	6	3.9
C73	Thyroid gland	1	3	4	2.6
C74	Adrenal gland	1	0	1	0.7
C76	Other and ill-defined sites	1	0	1	0.7
C77	Lymph nodes (different site)	2	2	4	2.6
C80	Unknown primary site	1	3	4	2.6
C81	Hodgkin's disease	4	1	5	3.3
C85	NHL	2	4	6	3.9
C90	Multiple myeloma	1	0	1	0.7
C91	Leukemia/lymphoid	2	0	2	1.3
C92	Leukemia/myeloid	1	0	1	0.7
Total		64	88	152	100.0

Table 19: Distribution of cases by sex for Bara

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	5	1	6	3.6
C03	Gum	1	0	1	0.6
C05	Palate	1	0	1	0.6
C06	Other and unspecified parts of mouth	0	2	2	1.2
C07	Parotid gland	0	2	2	1.2
C09	Tonsil	0	1	1	0.6

C12	Pyriiform sinus	3	1	4	2.4
C15	Esophagus	2	1	3	1.8
C16	Stomach	5	4	9	5.3
C18	Colon	4	1	5	3.0
C19	Rectosigmoid junction	0	1	1	0.6
C20	Rectum	2	1	3	1.8
C22	Liver and intrahepatic bile duct	1	1	2	1.2
C23	Gall bladder	1	14	15	8.9
C25	Pancreas	0	1	1	0.6
C30	Nasal cavity and middle ear	1	0	1	0.6
C32	Larynx	6	2	8	4.7
C34	Bronchus and lung	4	9	13	7.7
C40	Bones, joints and articular cartilage	1	1	2	1.2
C41	Bones, joints and articular cartilage of other and unspecified sites	3	1	4	2.4
C42.2	Spleen	1	0	1	0.6
C44	Skin other	1	0	1	0.6
C49	Connective, subcutaneous and other soft tissues	2	0	2	1.2
C50	Breast	0	20	20	11.8
C51	Vulva	0	1	1	0.6
C52	Vagina	0	1	1	0.6
C53	Cervix uteri	0	14	14	8.3
C56	Ovary	0	6	6	3.6
C57	Other and unspecified female genital organs	0	1	1	0.6
C60	Penis	2	0	2	1.2
C62	Testes	2	0	2	1.2
C67	Bladder	4	1	5	3.0
C69	Eye and adnexa	1	0	1	0.6
C71	Brain	2	0	2	1.2
C73	Thyroid gland	1	1	2	1.2
C76	Other and ill-defined sites	1	1	2	1.2
C77	Lymph nodes (different site)	1	0	1	0.6
C80	Unknown primary site	1	2	3	1.8
C81	Hodgkin's disease	2	0	2	1.2
C85	NHL	3	1	4	2.4
C90	Multiple myeloma	1	1	2	1.2
C91	Leukemia/lymphoid	2	2	4	2.4
C92	Leukemia/myeloid	0	3	3	1.8
C95	Leukemia unspecified	1	2	3	1.8
Total		68	101	169	100.0

Table 20: Distribution of cases by sex for Chitwan

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	4	1	5	1.3
C03	Gum	0	1	1	0.3
C06	Other and unspecified parts of mouth	4	1	5	1.3
C07	Parotid gland	1	0	1	0.3

C09	Tonsil	1	0	1	0.3
C11	Nasopharynx	1	2	3	0.8
C12	Pyriiform sinus	3	0	3	0.8
C13	Hypopharynx	1	1	2	0.5
C15	Esophagus	8	2	10	2.7
C16	Stomach	9	10	19	5.1
C18	Colon	1	2	3	0.8
C19	Rectosigmoid junction	1	2	3	0.8
C20	Rectum	1	5	6	1.6
C21	Anus and anal canal	1	0	1	0.3
C22	Liver and intrahepatic bile duct	8	4	12	3.2
C23	Gall bladder	5	8	13	3.5
C24	Other and unspecified parts of biliary tract	2	1	3	0.8
C25	Pancreas	3	3	6	1.6
C26	Other and ill-defined digestive organs	2	0	2	0.5
C30	Nasal cavity and middle ear	0	1	1	0.3
C31	Accessory sinus	1	0	1	0.3
C32	Larynx	5	3	8	2.1
C34	Bronchus and lung	21	21	42	11.2
C37	Thymus	0	2	2	0.5
C38	Heart, mediastinum, and pleura	0	1	1	0.3
C40	Bones, joints and articular cartilage	3	0	3	0.8
C41	Bones,joints and articular cartilage of other and unspecified sites	2	1	3	0.8
C43	Skin melanoma	2	0	2	0.5
C44	Skin other	1	3	4	1.1
C49	Connective, subcutaneous and other soft tissues	4	1	5	1.3
C50	Breast	0	29	29	7.8
C51	Vulva	0	1	1	0.3
C52	Vagina	0	1	1	0.3
C53	Cervix uteri	0	29	29	7.8
C54	Endometrium	0	4	4	1.1
C56	Ovary	0	15	15	4.0
C57	Other and unspecified female genital organs	0	1	1	0.3
C60	Penis	2	0	2	0.5
C61	Prostate gland	7	0	7	1.9
C62	Testes	2	0	2	0.5
C64	Kidney	2	3	5	1.3
C67	Bladder	12	2	14	3.7
C71	Brain	8	6	14	3.7
C72	Spinal cord, cranial, nerves, and other parts of CNS	0	1	1	0.3
C73	Thyroid gland	2	4	6	1.6
C76	Other and ill-defined sites	3	4	7	1.9
C77	Lymph nodes (different site)	7	1	8	2.1
C80	Unknown primary site	3	1	4	1.1
C81	Hodgkin's disease	5	1	6	1.6
C85	NHL	4	3	7	1.9
C90	Multiple myeloma	1	1	2	0.5

C91	Leukemia/lymphoid	1	3	4	1.1
C92	Leukemia/myeloid	2	3	5	1.3
C95	Leukemia unspecified	0	2	2	0.5
**	Unspecified	20	7	27	7.2
Total		176	198	374	100.0

Table 21: Distribution of cases by sex for Dhading

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	2	0	2	0.9
C06	Other and unspecified parts of mouth	0	1	1	0.5
C07	Parotid gland	1	0	1	0.5
C08	Other and unspecified major salivary glands	1	0	1	0.5
C09	Tonsil	1	0	1	0.5
C12	Pyriiform sinus	1	0	1	0.5
C15	Esophagus	2	0	2	0.9
C16	Stomach	7	8	15	6.9
C18	Colon	3	3	6	2.8
C19	Rectosigmoid junction	0	1	1	0.5
C20	Rectum	4	4	8	3.7
C22	Liver and intrahepatic bile duct	5	2	7	3.2
C23	Gall bladder	2	4	6	2.8
C24	Other and unspecified parts of biliary tract	1	4	5	2.3
C30	Nasal cavity and middle ear	1	0	1	0.5
C31	Accessory sinus	1	1	2	0.9
C32	Larynx	7	3	10	4.6
C34	Bronchus and lung	25	9	34	15.7
C38	Heart, mediastinum, and pleura	1	1	2	0.9
C40	Bones, joints and articular cartilage	1	0	1	0.5
C41	Bones,joints and articular cartilage of other and unspecified sites	2	0	2	0.9
C43	Skin melanoma	1	1	2	0.9
C47	Peripheral nerves and autonomic nervous system	0	1	1	0.5
C49	Connective, subcutaneous and other soft tissues	0	1	1	0.5
C50	Breast	0	14	14	6.5
C53	Cervix uteri	0	22	22	10.1
C54	Endometrium	0	1	1	0.5
C56	Ovary	0	12	12	5.5
C60	Penis	1	0	1	0.5
C61	Prostate gland	1	0	1	0.5
C64	Kidney	3	1	4	1.8
C67	Bladder	2	1	3	1.4
C69	Eye and adnexa	1	0	1	0.5
C70	Meninges	0	1	1	0.5
C71	Brain	3	2	5	2.3
C73	Thyroid gland	1	4	5	2.3
C76	Other and ill-defined sites	0	2	2	0.9
C77	Lymph nodes (different site)	4	2	6	2.8

C80	Unknown primary site	1	0	1	0.5
C81	Hodgkin's disease	1	2	3	1.4
C85	NHL	1	2	3	1.4
C90	Multiple myeloma	2	0	2	0.9
C91	Leukemia/lymphoid	8	2	10	4.6
C92	Leukemia/myeloid	3	2	5	2.3
C95	Leukemia unspecified	2	0	2	0.9
Total		103	114	217	100.0

Table 22: Distribution of cases by sex for Gorkha

Distribution of cases by sex for Gorkha					
ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	3	1	4	1.8
C07	Parotid gland	0	1	1	0.5
C11	Nasopharynx	1	2	3	1.4
C12	Pyriiform sinus	3	0	3	1.4
C15	Esophagus	1	1	2	0.9
C16	Stomach	10	9	19	8.6
C18	Colon	2	1	3	1.4
C19	Rectosigmoid junction	0	1	1	0.5
C20	Rectum	4	1	5	2.3
C21	Anus and anal canal	1	0	1	0.5
C22	Liver and intrahepatic bile duct	3	3	6	2.7
C23	Gall bladder	1	5	6	2.7
C24	Other and unspecified parts of biliary tract	0	1	1	0.5
C25	Pancreas	3	2	5	2.3
C30	Nasal cavity and middle ear	5	0	5	2.3
C31	Accessory sinus	0	1	1	0.5
C32	Larynx	6	5	11	5.0
C34	Bronchus and lung	19	12	31	14.1
C40	Bones, joints and articular cartilage	1	0	1	0.5
C41	Bones,joints and articular cartilage of other and unspecified sites	1	1	2	0.9
C43	Skin melanoma	0	2	2	0.9
C44	Skin other	0	3	3	1.4
C48	Retroperitoneum and peritoneum	0	1	1	0.5
C49	Connective, subcutaneous and other soft tissues	1	3	4	1.8
C50	Breast	1	16	17	7.7
C53	Cervix uteri	0	20	20	9.1
C54	Endometrium	0	3	3	1.4
C56	Ovary	0	8	8	3.6
C57	Other and unspecified female genital organs	0	1	1	0.5
C58	Placenta	0	1	1	0.5
C60	Penis	2	0	2	0.9
C61	Prostate gland	1	0	1	0.5
C64	Kidney	2	1	3	1.4
C67	Bladder	5	1	6	2.7

C69	Eye and adnexa	0	1	1	0.5
C71	Brain	3	1	4	1.8
C73	Thyroid gland	1	6	7	3.2
C74	Adrenal gland	0	2	2	0.9
C76	Other and ill-defined sites	2	0	2	0.9
C77	Lymph nodes (different site)	1	1	2	0.9
C80	Unknown primary site	0	1	1	0.5
C81	Hodgkin's disease	1	0	1	0.5
C85	NHL	3	1	4	1.8
C91	Leukemia/lymphoid	3	3	6	2.7
C92	Leukemia/myeloid	2	2	4	1.8
C95	Leukemia unspecified	2	1	3	1.4
Total		94	126	220	100.0

Table 23: Distribution of cases by sex for Kapilbastu

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C00	Lip, oral cavity and pharynx	1	0	1	0.7
C02	Other and unspecified parts of tongue	1	1	2	1.4
C03	Gum	4	0	4	2.7
C05	Palate	3	0	3	2.1
C06	Other and unspecified parts of mouth	6	0	6	4.1
C07	Parotid gland	1	1	2	1.4
C08	Other and unspecified major salivary glands	1	0	1	0.7
C11	Nasopharynx	1	0	1	0.7
C14	Other and ill-defined sites in lip, oral cavity and pharynx	1	0	1	0.7
C15	Esophagus	1	1	2	1.4
C16	Stomach	3	0	3	2.1
C17	Small intestine	1	0	1	0.7
C18	Colon	2	0	2	1.4
C20	Rectum	1	3	4	2.7
C22	Liver and intrahepatic bile duct	2	3	5	3.4
C23	Gall bladder	1	5	6	4.1
C24	Other and unspecified parts of biliary tract	1	0	1	0.7
C30	Nasal cavity and middle ear	0	2	2	1.4
C31	Accessory sinus	1	0	1	0.7
C32	Larynx	3	2	5	3.4
C34	Bronchus and lung	6	6	12	8.2
C38	Heart, mediastinum, and pleura	0	1	1	0.7
C40	Bones, joints and articular cartilage	0	1	1	0.7
C49	Connective, subcutaneous and other soft tissues	1	1	2	1.4
C50	Breast	0	12	12	8.2
C52	Vagina	0	4	4	2.7
C53	Cervix uteri	0	25	25	17.1
C56	Ovary	0	3	3	2.1
C63	Other and unspecified male genital organs	1	0	1	0.7
C64	Kidney	0	1	1	0.7

C67	Bladder	0	3	3	2.1
C69	Eye and adnexa	1	0	1	0.7
C71	Brain	4	1	5	3.4
C73	Thyroid gland	1	0	1	0.7
C76	Other and ill-defined sites	2	0	2	1.4
C77	Lymph nodes (different site)	3	0	3	2.1
C80	Unknown primary site	1	1	2	1.4
C81	Hodgkin's disease	3	0	3	2.1
C85	NHL	2	0	2	1.4
C90	Multiple myeloma	0	1	1	0.7
C91	Leukemia/lymphoid	2	1	3	2.1
C92	Leukemia/myeloid	4	0	4	2.7
C95	Leukemia unspecified	1	0	1	0.7
Total		67	79	146	100.0

Table 24: Distribution of cases by sex for Kaski

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	6	0	6	1.6
C03	Gum	1	1	2	0.5
C06	Other and unspecified parts of mouth	3	0	3	0.8
C10	Oropharynx	1	1	2	0.5
C11	Nasopharynx	0	1	1	0.3
C12	Pyriiform sinus	5	1	6	1.6
C15	Esophagus	5	4	9	2.4
C16	Stomach	11	13	24	6.5
C17	Small intestine	1	0	1	0.3
C18	Colon	8	4	12	3.3
C20	Rectum	8	1	9	2.4
C22	Liver and intrahepatic bile duct	3	0	3	0.8
C23	Gall bladder	3	6	9	2.4
C25	Pancreas	3	6	9	2.4
C31	Accessory sinus	0	1	1	0.3
C32	Larynx	8	2	10	2.7
C34	Bronchus and lung	34	25	59	16.0
C37	Thymus	1	0	1	0.3
C41	Bones, joints and articular cartilage of other and unspecified sites	4	2	6	1.6
C43	Skin melanoma	0	1	1	0.3
C49	Connective, subcutaneous and other soft tissues	1	0	1	0.3
C50	Breast	1	36	37	10.0
C51	Vulva	0	2	2	0.5
C52	Vagina	0	2	2	0.5
C53	Cervix uteri	0	52	52	14.1
C54	Endometrium	0	1	1	0.3
C55	Uterus	0	2	2	0.5
C56	Ovary	0	14	14	3.8
C57	Other and unspecified female genital organs	0	2	2	0.5

C60	Penis	1	0	1	0.3
C61	Prostate gland	4	0	4	1.1
C62	Testes	2	0	2	0.5
C64	Kidney	3	2	5	1.4
C67	Bladder	8	4	12	3.3
C70	Meninges	1	0	1	0.3
C71	Brain	6	7	13	3.5
C72	Spinal cord, cranial, nerves, and other parts of CNS	0	1	1	0.3
C73	Thyroid gland	1	4	5	1.4
C76	Other and ill-defined sites	3	1	4	1.1
C77	Lymph nodes (different site)	3	3	6	1.6
C80	Unknown primary site	2	1	3	0.8
C81	Hodgkin's disease	2	1	3	0.8
C85	NHL	4	2	6	1.6
C90	Multiple myeloma	1	1	2	0.5
C91	Leukemia/lymphoid	2	1	3	0.8
C92	Leukemia/myeloid	3	3	6	1.6
C95	Leukemia unspecified	1	4	5	1.4
Total		154	215	369	100.0

Table 25: Distribution of cases by sex for Makawanpur

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	3	2	5	2.3
C04	Floor of mouth	0	1	1	0.5
C05	Palate	1	0	1	0.5
C06	Other and unspecified parts of mouth	1	0	1	0.5
C07	Parotid gland	1	0	1	0.5
C09	Tonsil	1	0	1	0.5
C11	Nasopharynx	3	0	3	1.4
C12	Pyriiform sinus	5	3	8	3.8
C15	Esophagus	4	0	4	1.9
C16	Stomach	6	7	13	6.1
C18	Colon	3	2	5	2.3
C19	Rectosigmoid junction	1	0	1	0.5
C20	Rectum	1	1	2	0.9
C21	Anus and anal canal	0	1	1	0.5
C22	Liver and intrahepatic bile duct	7	1	8	3.8
C23	Gall bladder	3	1	4	1.9
C24	Other and unspecified parts of biliary tract	0	1	1	0.5
C25	Pancreas	2	0	2	0.9
C26	Other and ill-defined digestive organs	1	0	1	0.5
C30	Nasal cavity and middle ear	0	1	1	0.5
C31	Accessory sinus	0	1	1	0.5
C32	Larynx	6	3	9	4.2
C34	Bronchus and lung	16	12	28	13.1
C37	Thymus	1	0	1	0.5



C38	Heart, mediastinum, and pleura	1	0	1	0.5
C40	Bones, joints and articular cartilage	1	1	2	0.9
C41	Bones, joints and articular cartilage of other and unspecified sites	0	1	1	0.5
C48	Retroperitoneum and peritoneum	1	0	1	0.5
C49	Connective, subcutaneous and other soft tissues	1	0	1	0.5
C50	Breast	0	18	18	8.5
C51	Vulva	0	1	1	0.5
C53	Cervix uteri	0	21	21	9.9
C54	Endometrium	0	1	1	0.5
C56	Ovary	0	7	7	3.3
C60	Penis	1	0	1	0.5
C61	Prostate gland	2	0	2	0.9
C64	Kidney	2	4	6	2.8
C67	Bladder	2	1	3	1.4
C68	other and unspecified urinary organs	0	1	1	0.5
C71	Brain	5	4	9	4.2
C72	Spinal cord, cranial, nerves, and other parts of CNS	1	0	1	0.5
C73	Thyroid gland	0	3	3	1.4
C76	Other and ill-defined sites	3	1	4	1.9
C77	Lymph nodes (different site)	2	0	2	0.9
C80	Unknown primary site	1	0	1	0.5
C81	Hodgkin's disease	4	0	4	1.9
C85	NHL	1	4	5	2.3
C91	Leukemia/lymphoid	3	3	6	2.8
C92	Leukemia/myeloid	4	0	4	1.9
C95	Leukemia unspecified	1	3	4	1.9
Total		102	111	213	100.0

Table 26: Distribution of cases by sex for Mustang

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	0	2	2	11.1
C03	Gum	0	1	1	5.6
C06	Other and unspecified parts of mouth	1	0	1	5.6
C15	Esophagus	1	0	1	5.6
C16	Stomach	1	3	4	22.2
C22	Liver and intrahepatic bile duct	1	0	1	5.6
C23	Gall bladder	0	1	1	5.6
C34	Bronchus and lung	1	1	2	11.1
C50	Breast	0	1	1	5.6
C53	Cervix uteri	0	1	1	5.6
C56	Ovary	0	1	1	5.6
C62	Testes	1	0	1	5.6
C64	Kidney	0	1	1	5.6
Total		6	12	18	100.0

Table 27: Distribution of cases by sex for Myagdi

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	0	1	1	1.6
C06	Other and unspecified parts of mouth	0	1	1	1.6
C07	Parotid gland	1	0	1	1.6
C09	Tonsil	1	0	1	1.6
C10	Oropharynx	0	1	1	1.6
C11	Nasopharynx	1	0	1	1.6
C16	Stomach	1	0	1	1.6
C18	Colon	0	1	1	1.6
C20	Rectum	0	1	1	1.6
C22	Liver and intrahepatic bile duct	0	1	1	1.6
C23	Gall bladder	2	0	2	3.2
C26	Other and ill-defined digestive organs	1	0	1	1.6
C32	Larynx	1	3	4	6.3
C34	Bronchus and lung	3	5	8	12.7
C40	Bones, joints and articular cartilage	2	0	2	3.2
C41	Bones, joints and articular cartilage of other and unspecified sites	1	1	2	3.2
C49	Connective, subcutaneous and other soft tissues	0	1	1	1.6
C50	Breast	0	8	8	12.7
C51	Vulva	0	1	1	1.6
C53	Cervix uteri	0	4	4	6.3
C56	Ovary	0	2	2	3.2
C57	Other and unspecified female genital organs	0	1	1	1.6
C62	Testes	1	0	1	1.6
C64	Kidney	0	1	1	1.6
C67	Bladder	1	3	4	6.3
C71	Brain	2	2	4	6.3
C73	Thyroid gland	0	2	2	3.2
C76	Other and ill-defined sites	0	1	1	1.6
C90	Multiple myeloma	0	1	1	1.6
C91	Leukemia/lymphoid	0	1	1	1.6
C92	Leukemia/myeloid	1	0	1	1.6
C95	Leukemia unspecified	1	0	1	1.6
Total		20	43	63	100.0

Table 28: Distribution of cases by sex for Nawalparasi

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C00	Lip, oral cavity and pharynx	1	0	1	0.4
C02	Other and unspecified parts of tongue	1	3	4	1.4
C03	Gum	1	0	1	0.4
C04	Floor of mouth	2	0	2	0.7
C05	Palate	2	0	2	0.7
C06	Other and unspecified parts of mouth	2	0	2	0.7
C07	Parotid gland	0	1	1	0.4
C08	Other and unspecified major salivary glands	0	1	1	0.4

C09	Tonsil	2	1	3	1.1
C11	Nasopharynx	5	1	6	2.2
C12	Pyriiform sinus	1	0	1	0.4
C15	Esophagus	3	6	9	3.3
C16	Stomach	7	10	17	6.2
C18	Colon	4	2	6	2.2
C19	Rectosigmoid junction	1	0	1	0.4
C20	Rectum	5	3	8	2.9
C22	Liver and intrahepatic bile duct	4	2	6	2.2
C23	Gall bladder	3	7	10	3.6
C24	Other and unspecified parts of biliary tract	1	2	3	1.1
C25	Pancreas	4	0	4	1.4
C26	Other and ill-defined digestive organs	1	0	1	0.4
C30	Nasal cavity and middle ear	1	0	1	0.4
C32	Larynx	3	4	7	2.5
C34	Bronchus and lung	14	17	31	11.2
C37	Thymus	1	0	1	0.4
C40	Bones, joints and articular cartilage	0	1	1	0.4
C41	Bones, joints and articular cartilage of other and unspecified sites	2	0	2	0.7
C43	Skin melanoma	0	1	1	0.4
C44	Skin other	0	2	2	0.7
C48	Retroperitoneum and peritoneum	1	0	1	0.4
C49	Connective, subcutaneous and other soft tissues	0	3	3	1.1
C50	Breast	0	26	26	9.4
C51	Vulva	0	1	1	0.4
C52	Vagina	0	2	2	0.7
C53	Cervix uteri	0	31	31	11.2
C54	Endometrium	0	1	1	0.4
C56	Ovary	0	13	13	4.7
C60	Penis	1	0	1	0.4
C61	Prostate gland	7	0	7	2.5
C62	Testes	1	0	1	0.4
C64	Kidney	2	0	2	0.7
C67	Bladder	3	1	4	1.4
C70	Meninges	0	1	1	0.4
C71	Brain	2	6	8	2.9
C73	Thyroid gland	0	2	2	0.7
C77	Lymph nodes (different site)	1	1	2	0.7
C80	Unknown primary site	0	3	3	1.1
C81	Hodgkin's disease	2	3	5	1.8
C85	NHL	2	1	3	1.1
C90	Multiple myeloma	0	1	1	0.4
C91	Leukemia/lymphoid	6	4	10	3.6
C92	Leukemia/myeloid	3	8	11	4.0
C95	Leukemia unspecified	2	0	2	0.7
Total		104	172	276	100.0

Table 29: Distribution of cases by sex for Parbat

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	4	0	4	3.3
C03	Gum	1	0	1	0.8
C06	Other and unspecified parts of mouth	1	0	1	0.8
C11	Nasopharynx	1	0	1	0.8
C15	Esophagus	2	3	5	4.1
C16	Stomach	3	2	5	4.1
C17	Small intestine	0	2	2	1.6
C18	Colon	2	0	2	1.6
C19	Rectosigmoid junction	1	0	1	0.8
C20	Rectum	2	2	4	3.3
C22	Liver and intrahepatic bile duct	1	0	1	0.8
C23	Gall bladder	0	1	1	0.8
C24	Other and unspecified parts of biliary tract	1	0	1	0.8
C25	Pancreas	0	1	1	0.8
C32	Larynx	2	2	4	3.3
C34	Bronchus and lung	7	7	14	11.4
C40	Bones, joints and articular cartilage	1	0	1	0.8
C41	Bones, joints and articular cartilage of other and unspecified sites	2	0	2	1.6
C43	Skin melanoma	1	0	1	0.8
C49	Connective, subcutaneous and other soft tissues	1	1	2	1.6
C50	Breast	0	11	11	8.9
C53	Cervix uteri	0	9	9	7.3
C56	Ovary	0	11	11	8.9
C58	Placenta	0	1	1	0.8
C61	Prostate gland	6	0	6	4.9
C62	Testes	1	0	1	0.8
C64	Kidney	0	1	1	0.8
C67	Bladder	2	0	2	1.6
C71	Brain	4	3	7	5.7
C73	Thyroid gland	0	3	3	2.4
C76	Other and ill-defined sites	2	0	2	1.6
C77	Lymph nodes (different site)	0	1	1	0.8
C80	Unknown primary site	2	1	3	2.4
C81	Hodgkin's disease	0	1	1	0.8
C85	NHL	1	1	2	1.6
C91	Leukemia/lymphoid	2	1	3	2.4
C92	Leukemia/myeloid	0	1	1	0.8
C95	Leukemia unspecified	1	1	2	1.6
**	Unspecified	1	1	2	1.6
Total		55	68	123	100.0

Table 30: Distribution of cases by sex for Parsa

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	2	0	2	1.3
C03	Gum	2	0	2	1.3
C06	Other and unspecified parts of mouth	1	2	3	2.0
C12	Pyriiform sinus	0	1	1	0.7
C13	Hypopharynx	1	0	1	0.7
C14	Other and ill-defined sites in lip, oral cavity and pharynx	2	0	2	1.3
C15	Esophagus	1	4	5	3.3
C16	Stomach	4	3	7	4.6
C17	Small intestine	2	1	3	2.0
C18	Colon	3	0	3	2.0
C20	Rectum	3	3	6	4.0
C21	Anus and anal canal	0	1	1	0.7
C22	Liver and intrahepatic bile duct	4	1	5	3.3
C23	Gall bladder	1	2	3	2.0
C26	Other and ill-defined digestive organs	2	0	2	1.3
C30	Nasal cavity and middle ear	0	1	1	0.7
C31	Accessory sinus	1	0	1	0.7
C32	Larynx	3	1	4	2.6
C34	Bronchus and lung	6	8	14	9.3
C40	Bones, joints and articular cartilage	1	0	1	0.7
C41	Bones, joints and articular cartilage of other and unspecified sites	1	0	1	0.7
C49	Connective, subcutaneous and other soft tissues	1	0	1	0.7
C50	Breast	0	12	12	7.9
C53	Cervix uteri	0	27	27	17.9
C55	Uterus	0	1	1	0.7
C56	Ovary	0	7	7	4.6
C62	Testes	1	0	1	0.7
C64	Kidney	1	2	3	2.0
C67	Bladder	2	3	5	3.3
C69	Eye and adnexa	1	0	1	0.7
C71	Brain	3	1	4	2.6
C72	Spinal cord, cranial, nerves, and other parts of CNS	1	0	1	0.7
C73	Thyroid gland	0	1	1	0.7
C77	Lymph nodes (different site)	2	0	2	1.3
C81	Hodgkin's disease	1	0	1	0.7
C85	NHL	5	0	5	3.3
C90	Multiple myeloma	1	0	1	0.7
C91	Leukemia/lymphoid	3	0	3	2.0
C92	Leukemia/myeloid	5	0	5	3.3
C95	Leukemia unspecified	2	0	2	1.3
Total		69	82	151	100.0

Table 31: Distribution of cases by sex for Rupandehi

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C00	Lip, oral cavity and pharynx	2	0	2	0.7
C02	Other and unspecified parts of tongue	6	5	11	3.9
C03	Gum	1	0	1	0.4
C06	Other and unspecified parts of mouth	6	1	7	2.5
C07	Parotid gland	1	0	1	0.4
C09	Tonsil	2	0	2	0.7
C10	Oropharynx	1	0	1	0.4
C12	Pyriiform sinus	1	0	1	0.4
C14	Other and ill-defined sites in lip, oral cavity and pharynx	1	0	1	0.4
C15	Esophagus	6	5	11	3.9
C16	Stomach	6	8	14	5.0
C18	Colon	3	2	5	1.8
C20	Rectum	6	3	9	3.2
C22	Liver and intrahepatic bile duct	2	3	5	1.8
C23	Gall bladder	3	3	6	2.1
C24	Other and unspecified parts of biliary tract	1	1	2	0.7
C25	Pancreas	1	1	2	0.7
C26	Other and ill-defined digestive organs	1	0	1	0.4
C32	Larynx	8	4	12	4.3
C34	Bronchus and lung	14	24	38	13.5
C38	Heart, mediastinum, and pleura	0	1	1	0.4
C40	Bones, joints and articular cartilage	0	1	1	0.4
C44	Skin other	1	1	2	0.7
C48	Retroperitoneum and peritoneum	0	1	1	0.4
C49	Connective, subcutaneous and other soft tissues	0	1	1	0.4
C50	Breast	1	30	31	11.0
C52	Vagina	0	1	1	0.4
C53	Cervix uteri	0	35	35	12.4
C54	Endometrium	0	3	3	1.1
C56	Ovary	0	13	13	4.6
C60	Penis	3	0	3	1.1
C61	Prostate gland	1	0	1	0.4
C62	Testes	1	0	1	0.4
C64	Kidney	3	3	6	2.1
C65	renal pelvis	0	1	1	0.4
C67	Bladder	5	2	7	2.5
C69	Eye and adnexa	2	0	2	0.7
C71	Brain	5	5	10	3.5
C73	Thyroid gland	1	2	3	1.1
C74	Adrenal gland	1	0	1	0.4
C76	Other and ill-defined sites	0	1	1	0.4
C77	Lymph nodes (different site)	1	1	2	0.7
C80	Unknown primary site	3	0	3	1.1
C81	Hodgkin's disease	2	0	2	0.7

C85	NHL	3	0	3	1.1
C90	Multiple myeloma	0	1	1	0.4
C91	Leukemia/lymphoid	4	1	5	1.8
C92	Leukemia/myeloid	2	0	2	0.7
C95	Leukemia unspecified	6	1	7	2.5
	Total	117	165	282	100.0

Table 32: Distribution of cases by sex for Tanahun

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C02	Other and unspecified parts of tongue	1	0	1	0.6
C06	Other and unspecified parts of mouth	3	0	3	1.7
C08	Other and unspecified major salivary glands	0	1	1	0.6
C09	Tonsil	0	1	1	0.6
C11	Nasopharynx	1	0	1	0.6
C12	Pyriiform sinus	4	0	4	2.3
C16	Stomach	8	5	13	7.3
C18	Colon	0	1	1	0.6
C20	Rectum	3	3	6	3.4
C22	Liver and intrahepatic bile duct	0	2	2	1.1
C23	Gall bladder	2	5	7	4.0
C24	Other and unspecified parts of biliary tract	0	1	1	0.6
C30	Nasal cavity and middle ear	1	1	2	1.1
C32	Larynx	4	3	7	4.0
C34	Bronchus and lung	11	16	27	15.3
C38	Heart, mediastinum, and pleura	0	1	1	0.6
C41	Bones,joints and articular cartilage of other and unspecified sites	2	0	2	1.1
C43	Skin melanoma	1	0	1	0.6
C44	Skin other	0	1	1	0.6
C48	Retroperitoneum and peritoneum	0	2	2	1.1
C49	Connective, subcutaneous and other soft tissues	1	0	1	0.6
C50	Breast	0	22	22	12.4
C51	Vulva	0	1	1	0.6
C53	Cervix uteri	0	15	15	8.5
C54	Endometrium	0	2	2	1.1
C56	Ovary	0	7	7	4.0
C60	Penis	1	0	1	0.6
C61	Prostate gland	3	0	3	1.7
C62	Testes	1	0	1	0.6
C64	Kidney	1	1	2	1.1
C67	Bladder	8	0	8	4.5
C71	Brain	3	2	5	2.8
C72	Spinal cord, cranial, nerves, and other parts of CNS	1	0	1	0.6
C73	Thyroid gland	0	3	3	1.7
C75	Other endocrine glands and related structures	1	0	1	0.6
C76	Other and ill-defined sites	0	2	2	1.1
C77	Lymph nodes (different site)	1	1	2	1.1

C80	Unknown primary site	2	0	2	1.1
C81	Hodgkin's disease	1	1	2	1.1
C85	NHL	1	1	2	1.1
C90	Multiple myeloma	1	0	1	0.6
C91	Leukemia/lymphoid	3	0	3	1.7
C92	Leukemia/myeloid	2	2	4	2.3
C95	Leukemia unspecified	0	1	1	0.6
**	Unspecified	0	1	1	0.6
	Total	72	105	177	100.0

Table 33: Distribution of cases in descending order by site for male

ICD-10	Topography	#	%
C34	Bronchus and lung	198	15.6
C16	Stomach	84	6.6
C32	Larynx	62	4.9
C67	Bladder	59	4.6
C71	Brain	51	4.0
C20	Rectum	42	3.3
C22	Liver and intrahepatic bile duct	42	3.3
C91	Leukemia/lymphoid	41	3.2
C02	Other and unspecified parts of tongue	39	3.1
C15	Esophagus	36	2.8
C18	Colon	36	2.8
C61	Prostate gland	34	2.7
C85	NHL	32	2.5
C92	Leukemia/myeloid	32	2.5
C12	Pyriiform sinus	29	2.3
C06	Other and unspecified parts of mouth	28	2.2
C23	Gall bladder	28	2.2
C77	Lymph nodes (different site)	28	2.2
C81	Hodgkin's disease	28	2.2
C41	Bones,joints and articular cartilage of other and unspecified sites	21	1.7
**	Unspecified	21	1.7
C64	Kidney	20	1.6
C95	Leukemia unspecified	20	1.6
C25	Pancreas	18	1.4
C76	Other and ill-defined sites	17	1.3
C80	Unknown primary site	17	1.3
C60	Penis	15	1.2
C11	Nasopharynx	14	1.1
C62	Testes	14	1.1
C49	Connective, subcutaneous and other soft tissues	13	1.0
C40	Bones, joints and articular cartilage	12	0.9
C03	Gum	11	0.9
C30	Nasal cavity and middle ear	10	0.8
C26	Other and ill-defined digestive organs	9	0.7
C73	Thyroid gland	9	0.7

C09	Tonsil	8	0.6
C90	Multiple myeloma	8	0.6
C05	Palate	7	0.6
C07	Parotid gland	7	0.6
C69	Eye and adnexa	7	0.6
C24	Other and unspecified parts of biliary tract	6	0.5
C17	Small intestine	5	0.4
C43	Skin melanoma	5	0.4
C00	Lip, oral cavity and pharynx	4	0.3
C14	Other and ill-defined sites in lip, oral cavity and pharynx	4	0.3
C19	Rectosigmoid junction	4	0.3
C31	Accessory sinus	4	0.3
C37	Thymus	3	0.2
C44	Skin other	3	0.2
C50	Breast	3	0.2
C72	Spinal cord, cranial, nerves, and other parts of CNS	3	0.2
C04	Floor of mouth	2	0.2
C08	Other and unspecified major salivary glands	2	0.2
C10	Oropharynx	2	0.2
C13	Hypopharynx	2	0.2
C21	Anus and anal canal	2	0.2
C38	Heart, mediastinum, and pleura	2	0.2
C48	Retroperitoneum and peritoneum	2	0.2
C74	Adrenal gland	2	0.2
C42.2	Spleen	1	0.1
C63	Other and unspecified male genital organs	1	0.1
C70	Meninges	1	0.1
C75	Other endocrine glands and related structures	1	0.1
C47	Peripheral nerves and autonomic nervous system	0	0.0
C51	Vulva	0	0.0
C52	Vagina	0	0.0
C53	Cervix uteri	0	0.0
C54	Endometrium	0	0.0
C55	Uterus	0	0.0
C56	Ovary	0	0.0
C57	Other and unspecified female genital organs	0	0.0
C58	Placenta	0	0.0
C65	renal pelvis	0	0.0
C68	other and unspecified urinary organs	0	0.0
Total		1271	100.0

Table 34: Distribution of cases in descending order by site for female

ICD-10	Topography	#	%
C53	Cervix uteri	323	19.2
C50	Breast	264	15.7
C34	Bronchus and lung	183	10.9
C56	Ovary	125	7.4

C16	Stomach	85	5.1
C23	Gall bladder	64	3.8
C71	Brain	45	2.7
C73	Thyroid gland	38	2.3
C32	Larynx	37	2.2
C20	Rectum	33	2.0
C15	Esophagus	29	1.7
C22	Liver and intrahepatic bile duct	26	1.5
C92	Leukemia/myeloid	24	1.4
C67	Bladder	22	1.3
C91	Leukemia/lymphoid	22	1.3
C64	Kidney	21	1.3
C85	NHL	20	1.2
C18	Colon	19	1.1
C54	Endometrium	18	1.1
C02	Other and unspecified parts of tongue	17	1.0
C95	Leukemia unspecified	15	0.9
C25	Pancreas	14	0.8
C77	Lymph nodes (different site)	13	0.8
C76	Other and ill-defined sites	13	0.8
C80	Unknown primary site	13	0.8
C49	Connective, subcutaneous and other soft tissues	13	0.8
C52	Vagina	12	0.7
C24	Other and unspecified parts of biliary tract	11	0.7
C44	Skin other	11	0.7
C81	Hodgkin's disease	10	0.6
**	Unspecified	9	0.5
C12	Pyiform sinus	8	0.5
C06	Other and unspecified parts of mouth	8	0.5
C41	Bones, joints and articular cartilage of other and unspecified sites	8	0.5
C51	Vulva	8	0.5
C30	Nasal cavity and middle ear	7	0.4
C90	Multiple myeloma	7	0.4
C11	Nesopharynx	6	0.4
C40	Bones, joints and articular cartilage	6	0.4
C38	Heart, mediastinum, and pleura	6	0.4
C57	Other and unspecified female genital organs	6	0.4
C07	Parotid gland	5	0.3
C43	Skin melanoma	5	0.3
C19	Rectosigmoid junction	5	0.3
C31	Accessory sinus	4	0.2
C48	Retroperitoneum and peritoneum	4	0.2
C03	Gum	3	0.2
C09	Tonsil	3	0.2
C17	Small intestine	3	0.2
C08	Other and unspecified major salivary glands	3	0.2
C70	Meninges	3	0.2

C55	Uterus	3	0.2
C37	Thymus	2	0.1
C72	Spinal cord, cranial, nerves, and other parts of CNS	2	0.1
C10	Oropharynx	2	0.1
C13	Hypopharynx	2	0.1
C21	Anus and anal canal	2	0.1
C74	Adrenal gland	2	0.1
C58	Placenta	2	0.1
C69	Eye and adnexa	1	0.1
C04	Floor of mouth	1	0.1
C47	Peripheral nerves and autonomic nervous system	1	0.1
C65	renal pelvis	1	0.1
C68	other and unspecified urinary organs	1	0.1
C61	Prostate gland	0	0.0
C60	Penis	0	0.0
C62	Testes	0	0.0
C26	Other and ill-defined digestive organs	0	0.0
C05	Palate	0	0.0
C00	Lip, oral cavity and pharynx	0	0.0
C14	Other and ill-defined sites in lip, oral cavity and pharynx	0	0.0
C42.2	Spleen	0	0.0
C63	Other and unspecified male genital organs	0	0.0
C75	Other endocrine glands and related structures	0	0.0
	Total	1679	100.0

Table 35: Distribution of cases in descending order by site for both sex

ICD-10	Topography	#	%
C34	Bronchus and lung	381	12.9
C53	Cervix uteri	323	10.9
C50	Breast	267	9.1
C16	Stomach	169	5.7
C56	Ovary	125	4.2
C32	Larynx	99	3.4
C71	Brain	96	3.3
C23	Gall bladder	92	3.1
C67	Bladder	81	2.7
C20	Rectum	75	2.5
C22	Liver and intrahepatic bile duct	68	2.3
C15	Esophagus	65	2.2
C91	Leukemia/lymphoid	63	2.1
C92	Leukemia/myeloid	56	1.9
C02	Other and unspecified parts of tongue	56	1.9
C18	Colon	55	1.9
C85	NHL	52	1.8
C73	Thyroid gland	47	1.6
C64	Kidney	41	1.4
C77	Lymph nodes (different site)	41	1.4

C81	Hodgkin's disease	38	1.3
C12	Pyiform sinus	37	1.3
C06	Other and unspecified parts of mouth	36	1.2
C95	Leukemia unspecified	35	1.2
C61	Prostate gland	34	1.2
C25	Pancreas	32	1.1
C76	Other and ill-defined sites	30	1.0
C80	Unknown primary site	30	1.0
**	Unspecified	30	1.0
C41	Bones, joints and articular cartilage of other and unspecified sites	29	1.0
C49	Connective, subcutaneous and other soft tissues	26	0.9
C11	Nasopharynx	20	0.7
C54	Endometrium	18	0.6
C40	Bones, joints and articular cartilage	18	0.6
C24	Other and unspecified parts of biliary tract	17	0.6
C30	Nasal cavity and middle ear	17	0.6
C90	Multiple myeloma	15	0.5
C60	Penis	15	0.5
C44	Skin other	14	0.5
C03	Gum	14	0.5
C62	Testes	14	0.5
C52	Vagina	12	0.4
C07	Parotid gland	12	0.4
C09	Tonsil	11	0.4
C43	Skin melanoma	10	0.3
C19	Rectosigmoid junction	9	0.3
C26	Other and ill-defined digestive organs	9	0.3
C51	Vulva	8	0.3
C38	Heart, mediastinum, and pleura	8	0.3
C31	Accessory sinus	8	0.3
C17	Small intestine	8	0.3
C69	Eye and adnexa	8	0.3
C05	Palate	7	0.2
C57	Other and unspecified female genital organs	6	0.2
C48	Retroperitoneum and peritoneum	6	0.2
C08	Other and unspecified major salivary glands	5	0.2
C37	Thymus	5	0.2
C72	Spinal cord, cranial, nerves, and other parts of CNS	5	0.2
C70	Meninges	4	0.1
C10	Oropharynx	4	0.1
C13	Hypopharynx	4	0.1
C21	Anus and anal canal	4	0.1
C74	Adrenal gland	4	0.1
C00	Lip, oral cavity and pharynx	4	0.1
C14	Other and ill-defined sites in lip, oral cavity and pharynx	4	0.1
C55	Uterus	3	0.1
C04	Floor of mouth	3	0.1

C58	Placenta	2	0.1
C47	Peripheral nerves and autonomic nervous system	1	0.0
C65	renal pelvis	1	0.0
C68	other and unspecified urinary organs	1	0.0
C42.2	Spleen	1	0.0
C63	Other and unspecified male genital organs	1	0.0
C75	Other endocrine glands and related structures	1	0.0
Total		2950	100.0

**Table 36: Distribution of cases (C00 - C06) by site and sex for both sex**

Distribution of cases (C00 - C06) by site and sex for both sex				
ICD-10	Topography	Sex		Total
		Male	Female	#
C00	Lip, oral cavity and pharynx	4	0	4
C02	Other and unspecified parts of tongue	39	17	56
C03	Gum	11	3	14
C04	Floor of mouth	2	1	3
C05	Palate	7	0	7
C06	Other and unspecified parts of mouth	28	8	36

**Table 37: Distribution of cases (C00 - C14) by site and sex**

ICD-10	Topography	Sex		Total
		Male	Female	#
C00	Lip, oral cavity and pharynx	4	0	4
C02	Other and unspecified parts of tongue	39	17	56
C03	Gum	11	3	14
C04	Floor of mouth	2	1	3
C05	Palate	7	0	7
C06	Other and unspecified parts of mouth	28	8	36
C07	Parotid gland	7	5	12
C08	Other and unspecified major salivary glands	2	3	5
C09	Tonsil	8	3	11
C10	Oropharynx	2	2	4
C11	Nasopharynx	14	6	20
C12	Pyriiform sinus	29	8	37
C13	Hypopharynx	2	2	4
C14	Other and ill-defined sites in lip, oral cavity and pharynx	4	0	4

**Table 38: Distribution of cases (C15 - C26) by site and sex**

ICD-10	Topography	Sex		Total
		Male	Female	#
C15	Esophagus	36	29	65
C16	Stomach	84	85	169
C17	Small intestine	5	3	8
C18	Colon	36	19	55
C19	Rectosigmoid junction	4	5	9
C20	Rectum	42	33	75
C21	Anus and anal canal	2	2	4

C22	Liver and intrahepatic bile duct	42	26	68
C23	Gall bladder	28	64	92
C24	Other and unspecified parts of biliary tract	6	11	17

**Table 39: Distribution of tobacco related cases by site and sex**

Distribution of tobacco related cases by site and sex				
ICD-10	Topography	Sex		Total
		Male	Female	#
C00	Lip, oral cavity and pharynx	4	0	4
C02	Other and unspecified parts of tongue	39	17	56
C03	Gum	11	3	14
C04	Floor of mouth	2	1	3
C05	Palate	7	0	7
C06	Other and unspecified parts of mouth	28	8	36
C07	Parotid gland	7	5	12
C08	Other and unspecified major salivary glands	2	3	5
C09	Tonsil	8	3	11
C10	Oropharynx	2	2	4
C11	Nasopharynx	14	6	20
C12	Pyriiform sinus	29	8	37
C13	Hypopharynx	2	2	4
C14	Other and ill-defined sites in lip, oral cavity and pharynx	4	0	4
C15	Esophagus	36	29	65
C34	Bronchus and lung	198	183	381
C67	Bladder	59	22	81

**Table 40: Distribution of digestive organs cases by site and sex**

ICD-10	Topography	Sex		Total
		Male	Female	#
C08	Other and unspecified major salivary glands	2	3	5
C10	Oropharynx	2	2	4
C15	Esophagus	36	29	65
C16	Stomach	84	85	169
C17	Small intestine	5	3	8
C18	Colon	36	19	55
C19	Rectosigmoid junction	4	5	9
C20	Rectum	42	33	75
C21	Anus and anal canal	2	2	4
C22	Liver and intrahepatic bile duct	42	26	68
C23	Gall bladder	28	64	92
C24	Other and unspecified parts of biliary tract	6	11	17
C25	Pancreas	18	14	32
C26	Other and ill-defined digestive organs	9	0	9

**Table 41: Distribution of head and neck cancer cases by site and sex**

ICD-10	Topography	Sex		Total	
		Male	Female	#	%
C00	Lip, oral cavity and pharynx	4	0	4	0.1
C02	Other and unspecified parts of tongue	39	17	56	1.9
C03	Gum	11	3	14	0.5
C04	Floor of mouth	2	1	3	0.1
C05	Palate	7	0	7	0.2
C06	Other and unspecified parts of mouth	28	8	36	1.2
C07	Parotid gland	7	5	12	0.4
C08	Other and unspecified major salivary glands	2	3	5	0.2
C09	Tonsil	8	3	11	0.4
C10	Oropharynx	2	2	4	0.1
C11	Nasopharynx	14	6	20	0.7
C12	Pyriiform sinus	29	8	37	1.3
C13	Hypopharynx	2	2	4	0.1
C14	Other and ill-defined sites in lip, oral cavity and pharynx	4	0	4	0.1
C30	Nasal cavity and middle ear	10	7	17	0.6
C31	Accessory sinus	4	4	8	0.3
C32	Larynx	62	37	99	3.4
C69	Eye and adnexa	7	1	8	0.3
C70	Meninges	1	3	4	0.1
C71	Brain	51	45	96	3.3
C73	Thyroid gland	9	38	47	1.6
C75	Other endocrine glands and related structures	1	0	1	0.0
C76	Other and ill-defined sites of head, face & neck	6	8	14	0.4

**Descriptive statistics of top five cancer site****Table 42: Top five cancer site for both sex**

ICD-10	Topography	Total	
		#	%
C34	Bronchus & lung	381	12.9
C53	Cervix uteri	323	10.9
C50	Breast	267	9.1
C16	Stomach	169	5.7
C56	Ovary	125	4.2

**Table 43: Top five cancer site for male**

ICD-10	Topography	Total	
		#	%
C34	Bronchus and lung	198	15.6
C16	Stomach	84	6.6
C32	Larynx	62	4.9
C67	Bladder	59	4.6
C71	Brain	51	4.0

**Table 44: Top five cancer site for female**

ICD-10	Topography	Total	
		#	%
C53	Cervix uteri	323	19.2
C50	Breast	264	15.7
C34	Bronchus and lung	183	10.9
C56	Ovary	125	7.4
C16	Stomach	85	5.1

**Table 45: Microscopic verification of bronchus & lung cancer**

Bronchus & lung cancer		#	%
Small cell carcinoma		28	7.4
NSCLC	Squamous cell carcinoma	36	9.4
	Adenocarcinoma	20	5.3
	NSCLC (not differentiated)	17	4.5
Others		6	1.5
Not microscopic verification		274	71.9
Total		381	100.0

**Table 46: Microscopic verification of Cervix uteri**

Cervix Uteri	#	%
Squamous cell carcinoma	127	39.4
Adenocarcinoma	23	7.1
Others	2	0.6
Not microscopic confirmation	171	52.9
Total	323	100.0

**Table 47: Microscopic verification of Breast Cancer**

Breast Cancer	#	%
Ductal carcinoma	62	23.2
Lobular carcinoma	7	2.6
Medullary carcinoma	3	1.1
Others	8	2.9
Not microscopic confirmation	103	38.5
Total	267	100

**Table 48: Microscopic verification of Stomach cancer**

Stomach cancer	#	%
Adenocarcinoma	42	24.8
NHL	1	0.5
Others	3	1.7
Not microscopic confirmation	123	72.7
Total	169	100.0

**Table 49: Microscopic verification of ovarian cancer**

Ovarian Cancer	#	%
Adenocarcinoma	12	9.6
Germ cell neoplasm	2	1.6
Others	10	8.0
Not microscopic confirmation	101	80.8
Total	125	100.0



**Table 50: Treatment received by Top five cancer site**

ICD-10	Topography	Total cases	Treatment received	
			#	%
C34	Bronchus and lung	381	238	8.0
C53	Cervix uteri	323	222	7.5
C50	Breast	267	165	5.5
C16	Stomach	169	84	2.8
C56	Ovary	125	67	2.2

**Table 51: Treatment received/modality of treatment**

Treatment received	C34 Bronchus & lung		C53 Cervix uteri		C50 Breast		C16 Stomach		C56 Ovary	
	#	%	#	%	#	%	#	%	#	%
Surgery	12	5.0	19	9.0	18	71.5	29	34.1	19	28.3
Radiotherapy	58	24.3	59	28.2	22	13.3	5	5.8	0	0
Chemotherapy	103	43.2	23	11.0	27	16.3	23	27.0	23	34.3
Supportive	26	10.9	33	15.7	3	1.8	11	12.9	0	0
Symptomatic	8	3.30	3	1.4	3	1.8	7	8.2	1	1.4
Surgery & Radiotherapy	0	0	19	9.0	14	8.4	0	0	0	0
Surgery & Chemotherapy	3	1.2	3	1.4	42	25.4	10	11.7	24	35.8
Radiotherapy & Chemotherapy	28		50	23.9	12	7.2	0	0	0	0
Surgery, Radiotherapy & Chemotherapy	0	11.7	13	6.2	24	14.5	3	1.8	0	0
Total	238	100.0	209	100.0	165	100.0	85	100.0	67	100.0

**Table 52: Top five cancer sites by 5 year age group**

Age group	C34 Bronchus & lung		C53 Cervix uteri		C50 Breast		C16 Stomach		C56 Ovary	
	#	%	#	%	#	%	#	%	#	%
0-4 yrs	0	0.0	0	0	0	0	0	0.0	0	0.0
5-9 yrs	1	0.1	0	0	1	0.1	0	0.0	1	0.3
10-14 yrs	2	0.1	0	0	1	0.1	0	0.0	6	1.6
15-19 yrs	7	0.5	4	0.5	0	0.0	4	0.8	13	3.6
20-24 yrs	3	0.2	5	0.6	9	1.1	10	1.9	19	5.2
25-29 yrs	12	0.9	5	0.6	22	2.6	5	1	16	4.4
30-34 yrs	12	0.9	34	3.9	43	5	10	1.9	15	4.1
35-39 yrs	22	1.6	76	8.8	75	8.8	23	4.4	30	8.2
40-44 yrs	44	3.3	98	11	134	15.7	32	6.2	43	11.8
45-49 yrs	57	4.3	123	14	155	18.1	46	8.9	36	9.9
50-54 yrs	119	8.9	124	14	134	15.7	54	10	52	14.2
55-59 yrs	140	11	116	13	103	12	71	14	36	9.9
60-64 yrs	233	18	119	14	83	9.7	72	14	44	12.1
65-69 yrs	253	19	77	8.9	45	5.3	80	15	32	8.8
70-74 yrs	236	18	57	6.6	26	3	55	11	12	3.3
75-79 yrs	117	8.8	21	2.4	20	2.3	32	6.2	8	2.2
80 + yrs	76	5.7	9	1	5	0.6	25	4.8	2	0.5
Total	1334	100	868	100	856	100	519	100	365	100

**Table 53: TNM classification for C34 bronchus and lung cancer**

TNM classification for C34 bronchus and lung cancer		#	%
T	1	1	0.2
	2	1	0.2
	3	4	1.2
	4	7	1.8
	NA	368	96.5
	Total	381	100.0
N	0	2	0.5
	1	1	0.2
	2	6	1.5
	3	4	1.0
	NA	368	96.8
	Total	381	100.0
M	0	5	1.3
	1	6	1.5
	2	1	0.2
	X	1	0.2
	NA	368	96.5
	Total	381	100.0

**Table 54: TNM/FIGO classification for C53 cancer of cervix uteri**

TNM/FIGO classification for C53 cancer of cervix uteri		#	%
T	1	3	0.9
	2	1	0.3
	NA	319	98.7
	Total	323	100.0
N	0	3	0.9
	1	1	0.3
	2	1	0.3
	NA	318	98.4
Total	323	100.0	
M	0	2	0.6
	1	3	0.9
	x	2	0.6
	NA	316	97.8
	Total	323	100.0
FIGO	I	3	0.9
	II	75	23.2
	III	14	4.3
	IV	3	0.9
	NA	228	70.5
	Total	323	100.0

**Table 55: TNM classification for C50 cancer of breast**

TNM classification for C50 breast cancer		#	%
T	1	4	1.4
	2	26	9.7
	3	8	2.9
	4	3	1.1
	NA	226	84.6
	Total	267	100.0

N	0	7	2.6
	1	15	5.6
	2	9	3.3
	3	7	2.6
	x	2	0.7
	NA	227	85.0
	Total	856	100.0
M	0	18	6.7
	x	12	4.4
	NA	237	88.7
	Total	267	100.0

Table 56: TNM classification for C50 breast cancer

TNM classification for C16 stomach cancer		#	%
T	1	1	0.6
	2	1	0.6
	3	4	2.4
	4	7	4.1
	NA	156	92.3
	Total	169	100.0
N	0	3	1.7
	1	3	1.7
	2	2	1.1
	3	4	2.4
	X	1	0.6
	NA	156	92.3
	Total	519	100.0
M	0	3	1.7
	1	0	0.0
	X	7	4.1
	NA	156	92.3
	Total	169	100.0

Table 57: TNM classification for C32 Ovarian cancer

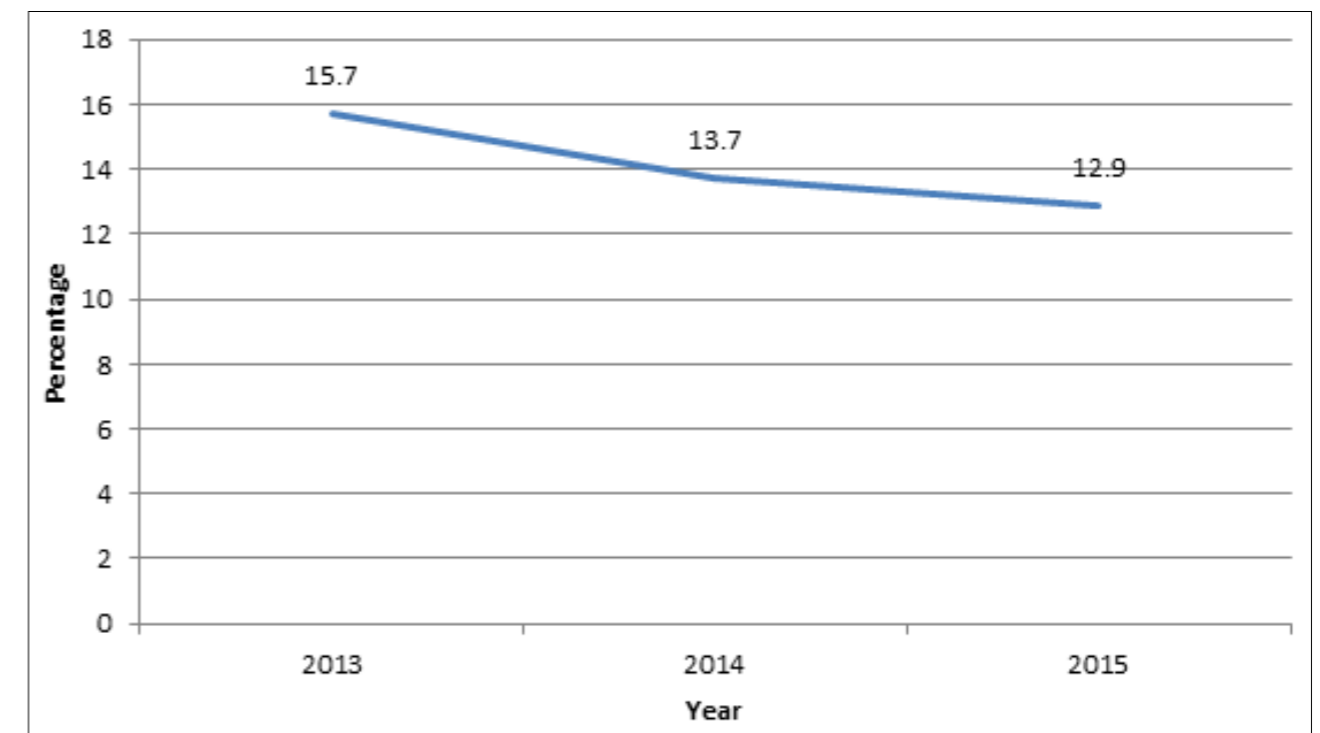
TNM classification for C32 Ovarian cancer		#	%
T	1	2	1.7
	2	1	0.8
	3	2	1.7
	NA	120	96.0
	Total	125	100.0
N	0	2	1.7
	x	3	2.3
	NA	120	96.0
	Total	125	100.0

M	0	1	0.8
	X	3	2.3
	NA	121	96.9
	Total	125	100.0
FIGO	I	5	4.0
	II	2	1.7
	III	6	4.8
	IV	-	
	NA	112	89.5
	Total	125	100.0

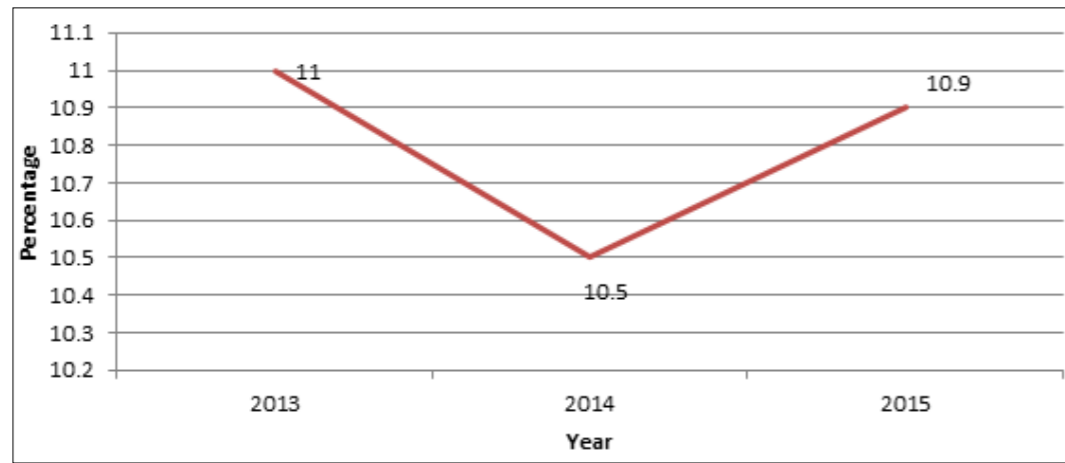
Table 58: Summary of total cancer cases (2013-2015)

Years	Total cases	Male	Female
2013	2469	1113 (45.1%)	1356 (54.9%)
2014	2620	1088(41.5%)	1532 (58.5%)
2015	2950	1271 (43.1%)	1679 (56.9%)

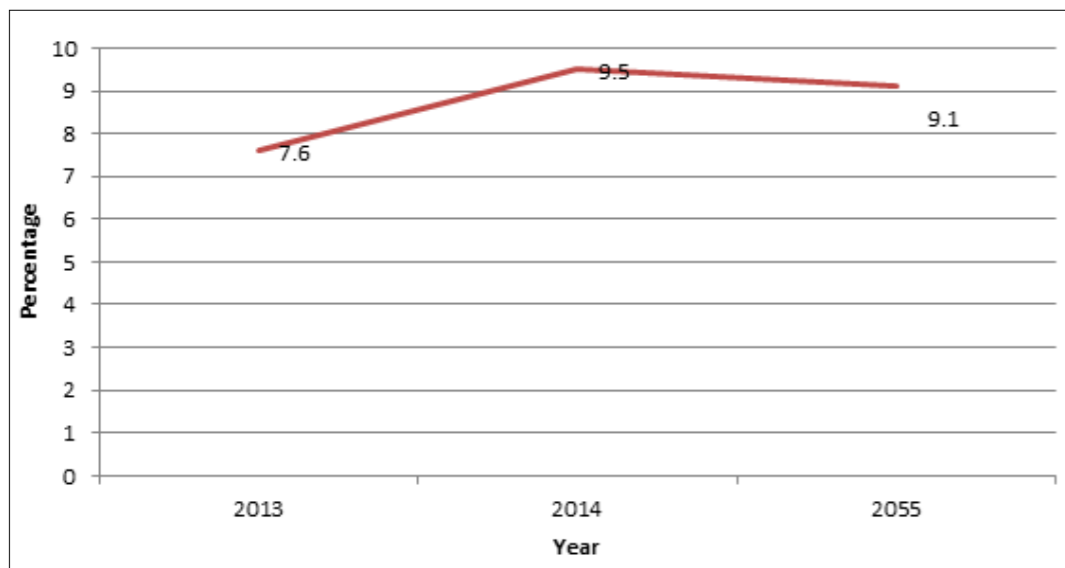
Figure 3: Trend of bronchus and lung cancer (2013-2015)



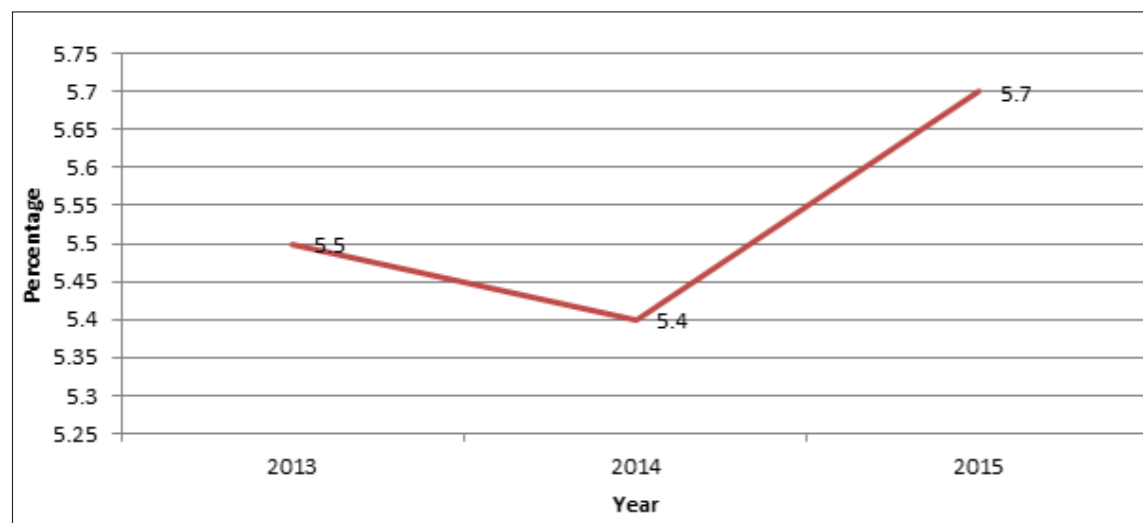
**Figure 4: Trend of Cervical Cancer (2013-2015)**



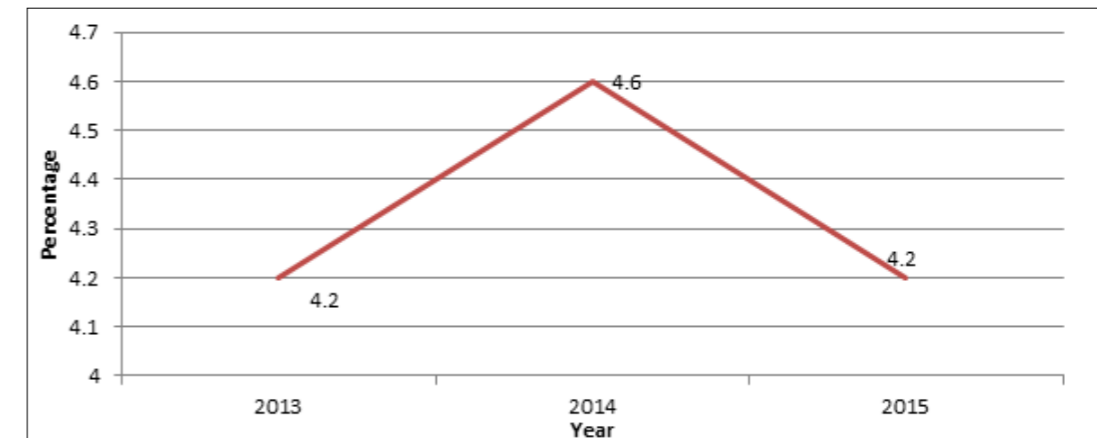
**Figure 5: Trend of Breast Cancer (2013-2015)**



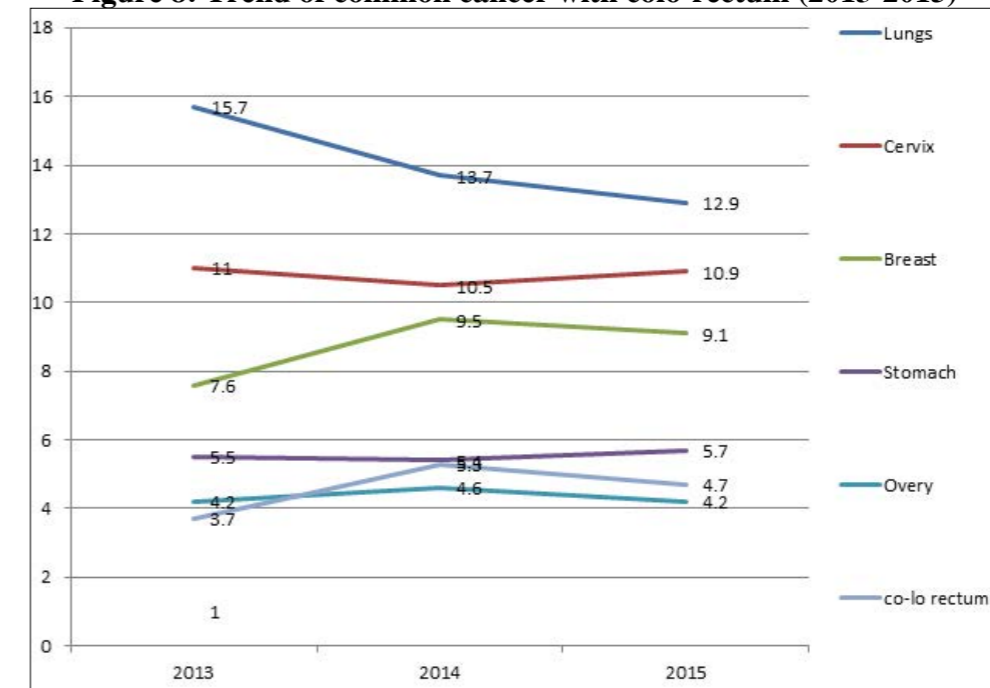
**Figure 6: Trend of Stomach Cancer (2013-2015)**



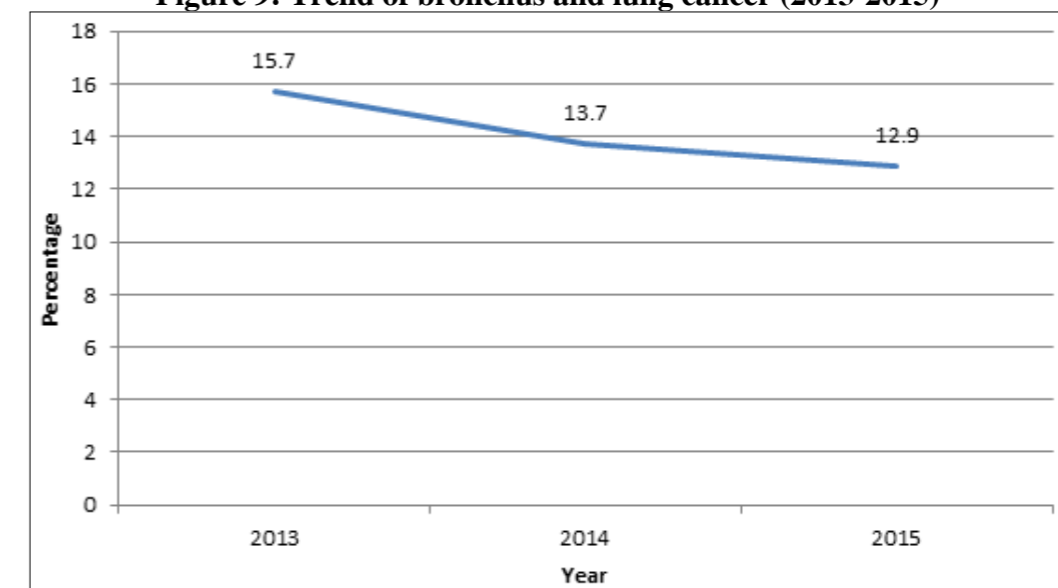
**Figure 7: Trend of ovarian Cancer (2013 - 2015)**

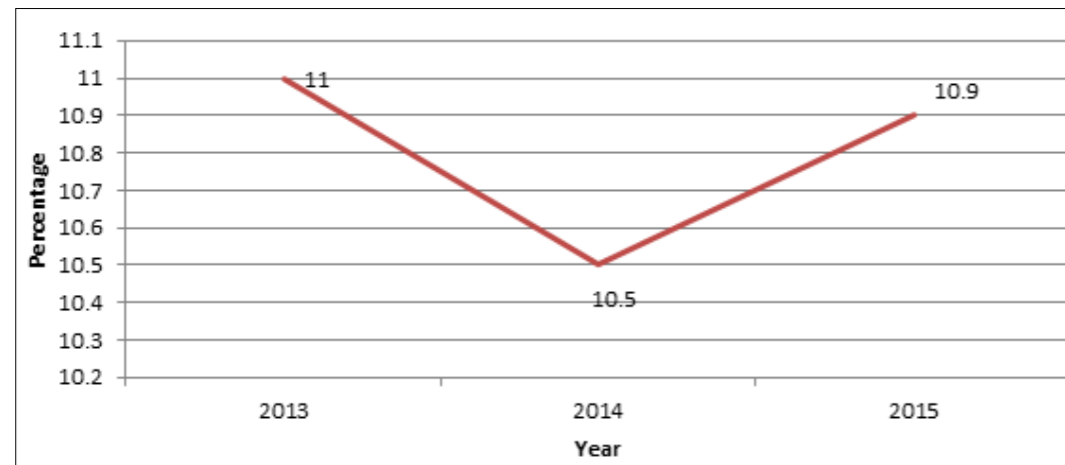
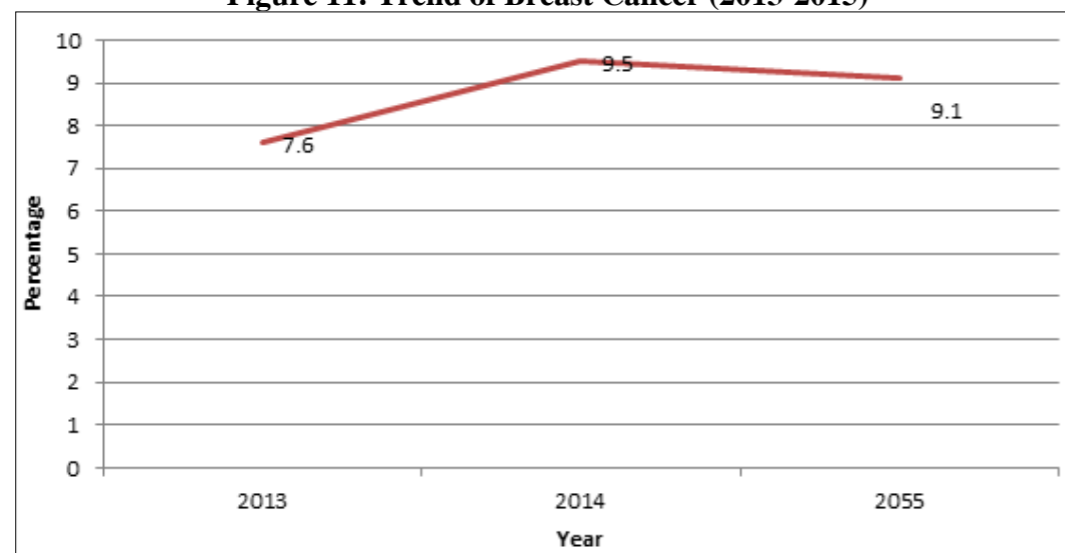
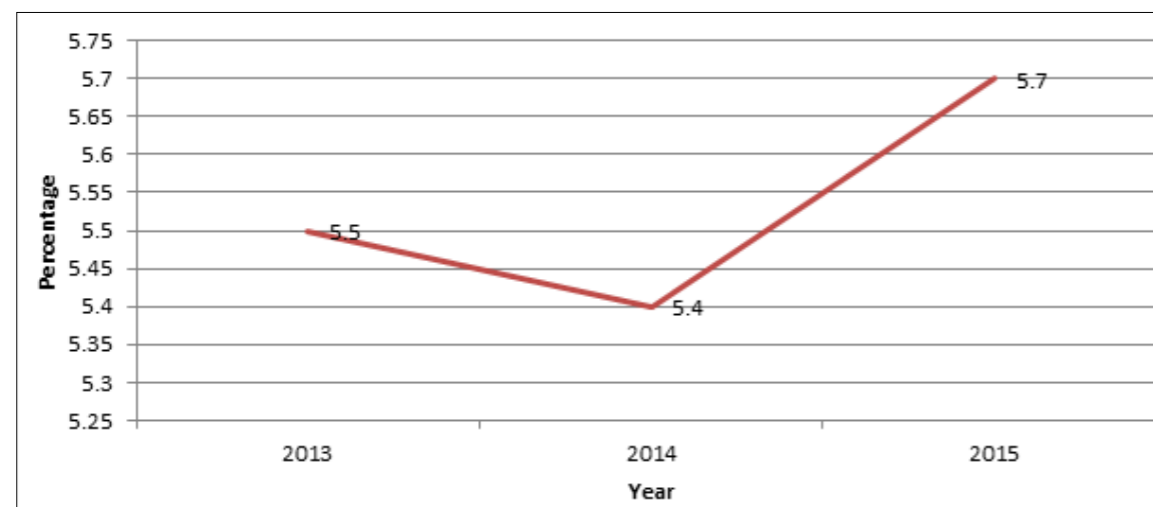
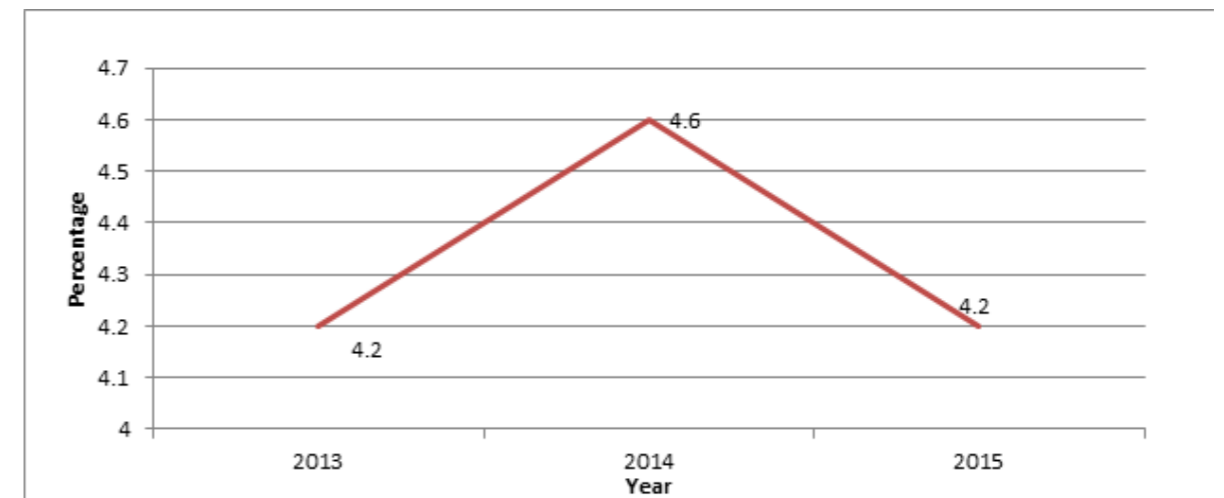
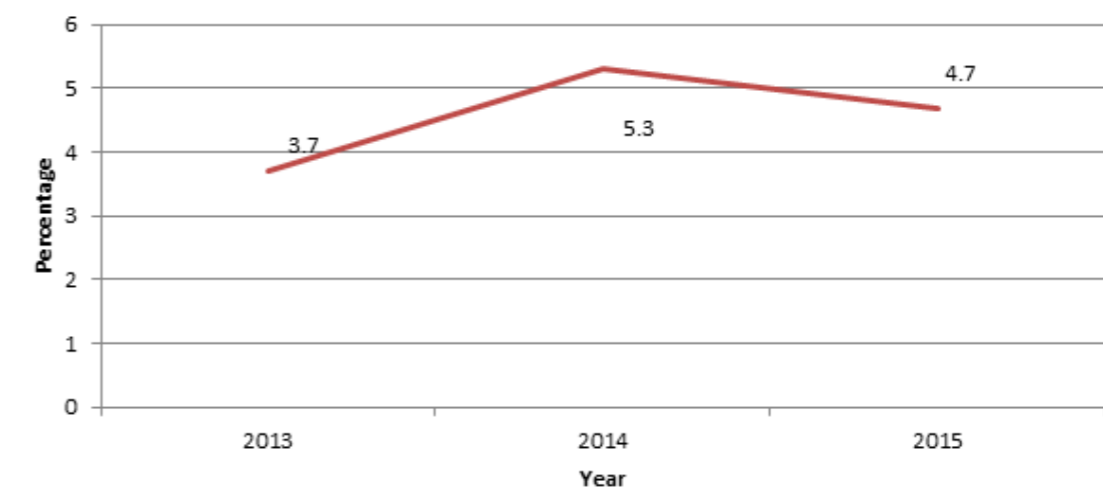


**Figure 8: Trend of common cancer with colo-rectum (2013-2015)**



**Figure 9: Trend of bronchus and lung cancer (2013-2015)**



**Figure 10: Trend of Cervical Cancer (2013-2015)****Figure 11: Trend of Breast Cancer (2013-2015)****Figure 12: Trend of Stomach Cancer (2013-2015)****Figure 13: Trend of ovarian Cancer (2013 - 2015)****Figure 14: Trend of Colo-rectal cancer (2013 - 2015)****Limitations:**

Population Based Cancer Registry Program is new to Nepal. We are not in a state of covering all the geographical regions and populations at the moment. Therefore, in this study, we have included 15 districts that covers one fourth of the total population of Nepal. To get more robust results, data from more districts is desirable.

Data in this study includes only the patients that visited hospitals and diagnostic laboratories. Some of the data source institutions do not have any record of cancer cases and death due to cancer.

**Recommendations:**

Population based Cancer Registry Programme should be expanded to other districts that have institutions to diagnose cancer.

Cancer Registry is a continuous process. So, relevant activities should be carried out in order to get time trends of cancer.

Inter-networking system should be developed among the vital registration offices of different districts.

Personnel in hospitals and laboratories should be trained to keep cancer registry data in proper way.