

टी एम सी
TMC
ATOMS IN THE SERVICE OF THE NATION
टाटा स्मारक केंद्र
Tata Memorial Centre



DISTRICT : SANKAR
HEALTH INSTITUTIONS

0 1 2 3 4 5 6 7 8 9 10 11 12
Kilometers

LEGEND

- DISTRICT HOSPITAL
- SUB DIVISIONAL HOSPITAL
- COMMUNITY HEALTH CENTRE (PHCC)
- ◆ COMMUNITY HEALTH CENTRE (PHCC)
- BLOCK PRIMARY HEALTH CENTRE
- ◇ PRIMARY HEALTH CENTRE
- ◇ RURAL HOSPITAL
- ◇ SUB CENTRE
- ◇ SUBSIDARY HEALTH CENTRE

— DISTRICT ROAD
— NATIONAL HIGHWAY
— STATE HIGHWAY
— RAILWAY LINE
--- SUB CENTRE BOUNDARY

BLOCK PHC

- AMBARGATHI
- BHAMBARGATHI
- PITHEGATHI PULI SATHAN
- KULKARAN
- LONGDANI
- MOONAAK
- SHEKPUR

Department of Health and Family Welfare
Govt of Punjab

Centre for Cancer Epidemiology (CCE), Mumbai, India
Tata Memorial Centre (TMC), Mumbai, India
Homi Bhabha National Institute (HBNI)

Post Graduate Institute of Medical Education and Research, Chandigarh, India
Department of Health and Family Welfare, Government of Punjab State, India
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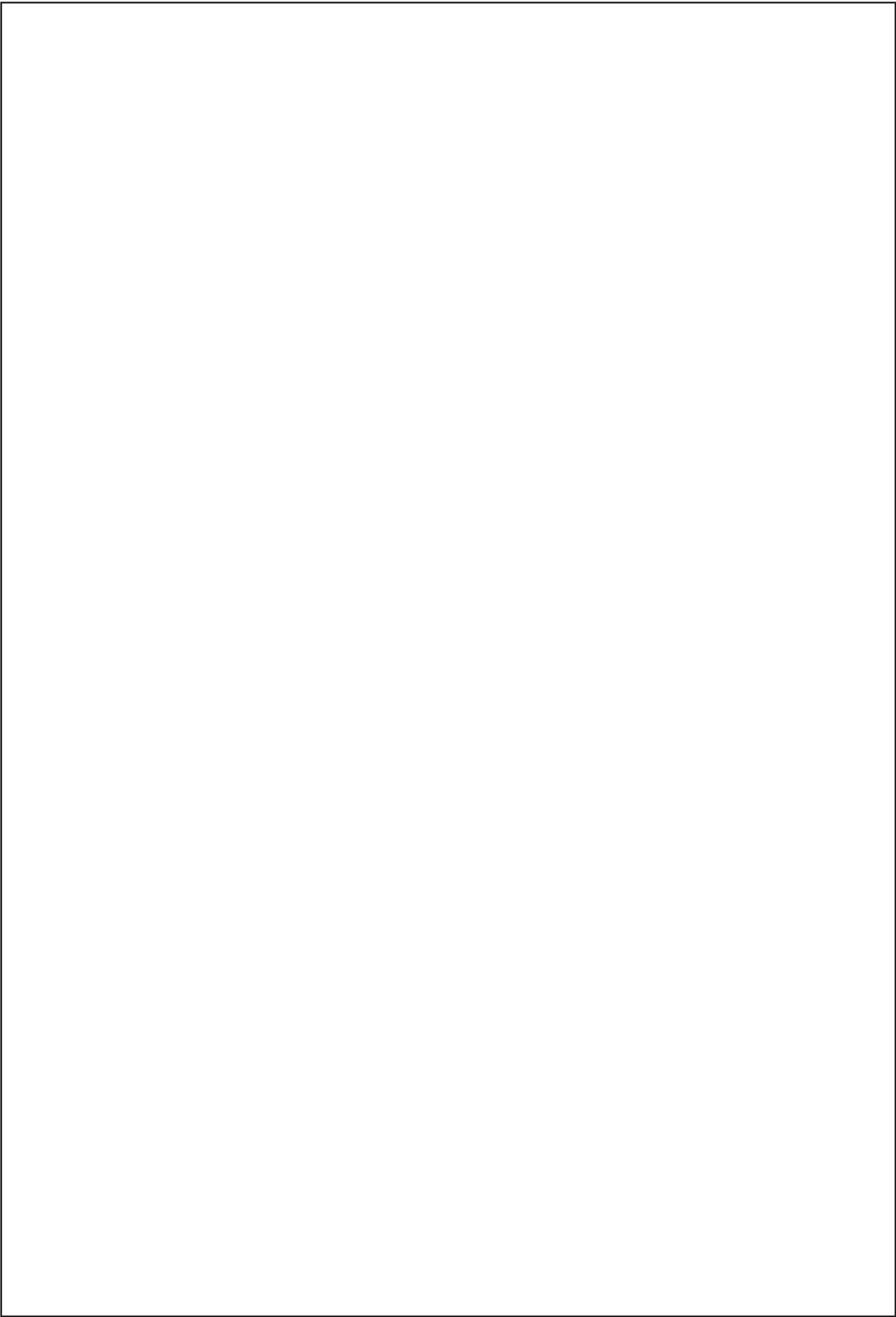
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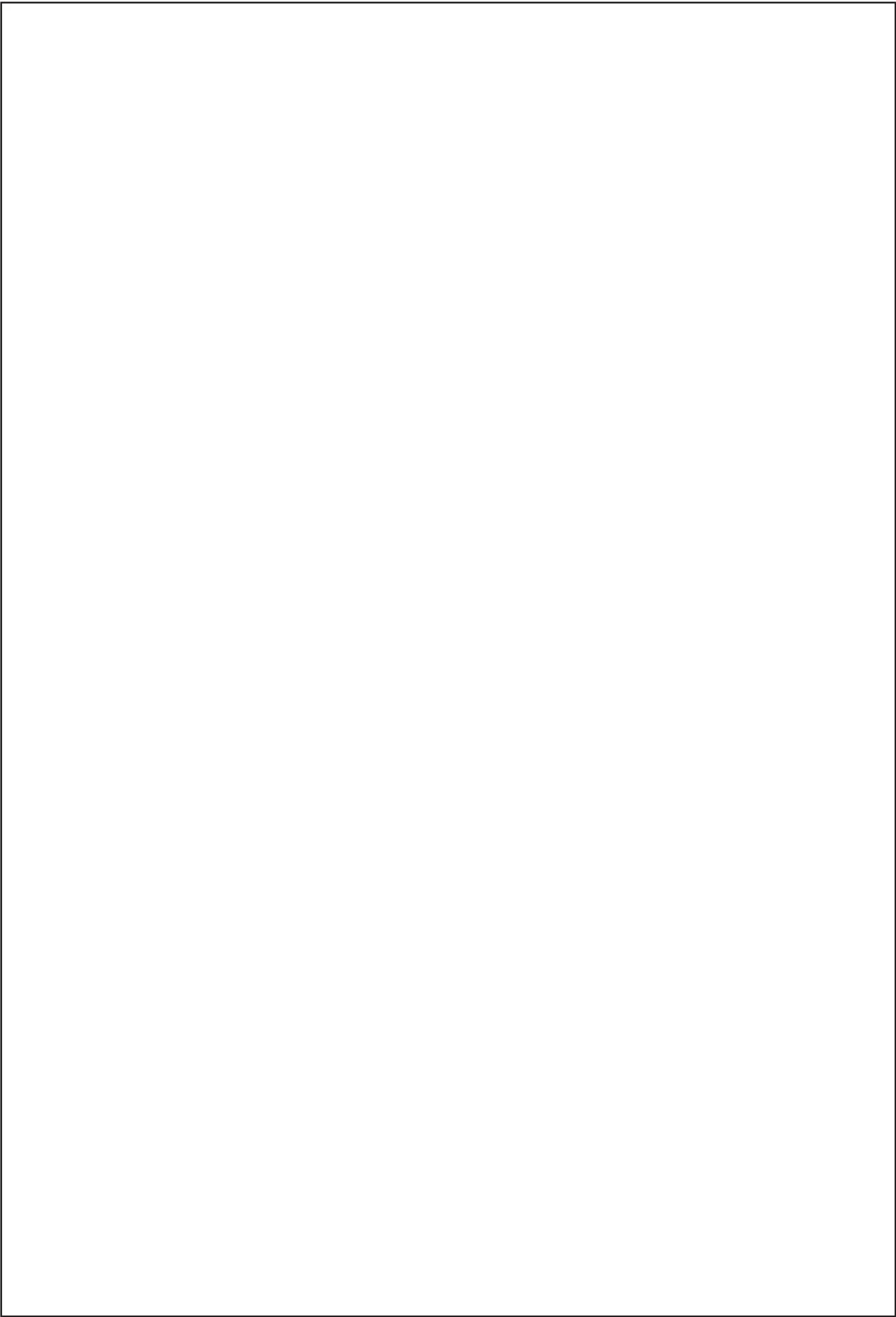
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Contents

Sr. No.	Topic	Page Number
	Executive Summary	1
1.	Punjab State Profile	5
2.	Sangrur District Profile	6
3.	Administrative Order by the State Government for the Cancer Registration Process	9
4.	Population Covered by the Cancer Registry	10
5.	Cancer Registration Method	12
6.	Community Involvement in the Cancer Registration Process	16
7.	Quality Control	17
8.	Cancer Cases Registered by Source of Registration - First Source of Information	19
9.	Cancer Incidence and Mortality – All Sites	21
10.	Leading Cancer Sites by Sex	22
11.	Comparison of Cancer Incidence Rate with Other Indian registries	34
12.	Early Detection Program for Oral, Breast and Cervical Cancer in Sangrur District of Punjab State	36
13.	Cancer Trends in Sangrur District	39
14.	Sociodemographic Information	41
15.	Cancer Survival Studies Undertaken	43
16.	Under Registered /Under Diagnosed Cases	44
17.	Hurdles in Establishing the Rural Cancer Registry	44
18.	Description of Statistical Terms Used	45
19.	Standard Registry Tables	46
20.	Village-wise Incidence and Mortality Cases : 2015-2016	76
21.	References	101
22.	Acknowledgment	102
	Annexure	109



Executive Summary

Background

Tata Memorial Centre, Mumbai (TMC), an autonomous institute under the Department of Atomic Energy, Government of India, has started a population-based cancer registry in Sangrur district on January 1, 2013, in collaboration with the Post Graduate Institute of Medical Education and Research, Chandigarh (PGIMER) and the Department of Health and Family Welfare, Government of Punjab. The registry is located in the Civil Hospital Campus of Sangrur. The objective of the cancer registry is to measure the burden of cancer in terms of incidence and mortality and to know the patterns of cancer in the district. The cancer registry data will be useful in planning cancer control activities and to strengthen cancer care services in this area.

Population Covered

The cancer registry covers the seven health blocks of the district – Moonak, Longowal, Bhawanigarh, Amargarh, Kauhrian, Sherpur and Fatehgarh PanjGariyan covering a population of 17,21,571. The registry covers urban areas as well as 589 villages of the district. **More than 65% of the population of the district is rural.**

Registration Method

Trained field/ social workers of the registry regularly visit the villages as well as different hospitals, pathology laboratories, medical colleges, cancer control cells, and the birth and death registrar office to collect cancer incidence and death cases. The registry staff interacts with village Sarpanch, Auxiliary Nurse Midwife (ANM), Accredited Social Health Activist (ASHA) workers, and primary health center staff periodically to get to know the cancer cases diagnosed in the area as well as cancer deaths that have occurred in the village. With the help of ASHA workers, the registry staff interacts with the patient's relative and they note down the information available with the patient. This information is further confirmed at the patient's treating hospital. After confirming the patient's residence (residence of the district for at least one year) and duplicate checking by senior staff, the case is registered in the prescribed format. The data entry is carried out in Canreg5 software. Due to continuous interaction with the community, we could also update the survival status of the cancer patients. As of December 31, 2019, we have the survival status of more than 95% of the cancer patients. This information will be utilized for cancer survival analysis.

A comprehensive cancer treatment facility was not available in the Sangrur district. Patients from this area travel to Bhatinda, Ludhiana, Bikaner, Chandigarh, Patiala, Hissar (Haryana) and Faridkot for cancer treatment. The nearest center is 60 km and the farthest center is 420 km. **Tata Memorial Centre has started the Homi Bhabha Cancer Hospital (HBCH) in the Sangrur district. It has been functioning since January 2015.**

Release of the Second Year Report of the Sangrur Cancer Registry

Dr. G Dewan, Director of Health Services Chandigarh; Mrs. Anjali Bhawara, Principal Secretary Health and Family Welfare Punjab; Prof Jagat Ram, PGI Director; Dr. Prashant Mathur, Director NCDIR-NCRP, ICMR; Dr. Freddie Bray, Head section of cancer surveillance, IARC; Dr. Rajesh Dikshit, Director CCE - TMC, Prof JS Thakur, PGIMER and Dr. Atul Budukh, Professor CCE - TMC along with other dignitaries released the reports of Chandigarh and Punjab concurrently during World NCD Congress held at PGIMER from 4th November 2017 to 6th November 2017. The second-year report emphasizes on comparison of all site cancer incidence rates with other parts of India.

Results

This report is based on the cancer registry results for the year 2015-2016. In the year 2015-2016, the cancer registry recorded 2203 incidence cancer cases including 1075 males and 1128 females. The age-adjusted incidence rate for males is 61.5 per 100,000 population and for females, it is 68.3 per 100,000 population. The cumulative risk for the age group 0-74 in males is 7% (1 in 14 men is at risk of developing cancer) and in females, it is 8% (1 in 13 females is at risk of developing cancer).

Due to improvements in the cancer registration process, the registry has reported 153 (Male-66, Female-87) late-registration incidence cases for the year 2013-2014. After including the late registration cases, the age-adjusted incidence rate for males is 49.5 and for females it is 60.6 per 100,000 population for the year 2013-2014.

In the year 2015-2016, the cancer registry recorded 1432 cancer deaths including 757 deaths among males and 675 deaths among females. The age-adjusted mortality rate for males is 43.3 per 100,000 population and for females, it is 41.0 per 100,000 population. The cumulative risk of death due to cancer in the age group 0-74 in males is 5.2% and for females, it is 4.6% (1 in 19 males and 1 in 22 females is at risk of dying due to cancer).

In mortality, we have recorded 98 (Male-50, Female-48) late-registration mortality cases of the year 2013-2014. After including the late registration cases, the age-adjusted mortality rate for males for the year 2013-2014 is 34.0 and for females, it is 32.7 per 100,000.

Leading Cancer Sites

Among males; oesophagus, liver, prostate, tongue, and lung are the leading cancer sites. Among females; breast, cervix uteri, oesophagus, ovary, and gall bladder are the leading cancer sites. The leading cancer sites are mentioned in Table I and II.

Table I: Leading Cancer Sites in Males

ICD 10	Sites	Number	CR	AAR	TR
C15	Oesophagus	113	6.1	6.4	12.8
C22	Liver	70	3.8	4.1	8.9
C61	Prostate	69	3.7	3.7	3.4
C01-C02	Tongue	59	3.2	3.5	8.8
C33-C34	Trachea, bronchus & lung	57	3.1	3.3	7.4

CR: Crude Incidence Rate per 100,000, AAR: Age-Adjusted Rate per 100,000, TR: Truncated Incidence Rate per 100,000Population

Table II: Leading Cancer Sites in Female

ICD 10	Sites	Number	CR	AAR	TR
C50	Breast	316	19.2	19.3	44.0
C53	Cervix Uteri	138	8.4	8.4	22.2
C15	Oesophagus	85	5.2	5.1	10.8
C56	Ovary	70	4.3	4.3	9.8
C23-C24	Gall Bladder	61	3.7	3.7	8.5

CR: Crude Incidence Rate per 100,000, AAR: Age-Adjusted Rate per 100,000, TR: Truncated Incidence Rate per 100,000 Population

Primary unknown cases

In the year 2015-2016, 9.2% of primary unknown cases in males and 4.9% of primary unknown cases in females were recorded. The primary site unknown cases are related to the quality of diagnostic information and the poor documentation of the medical records. Due to continuous interaction with the clinician by the registry staff, there was an improvement in the medical documentation; the primary unknown cases percentage has decreased for males from 9.4% to 9.2% and in females from 5.8% to 4.9% as compared to the year 2014. There may be under-registration of the cancer incidence and mortality cases which are diagnosed purely on a clinical basis.

Comparison of Cancer Registry Rate with Other Registries in India

As compared to the other parts of the India, cancer incidence rates are lower and are comparable with other parts of rural India¹.

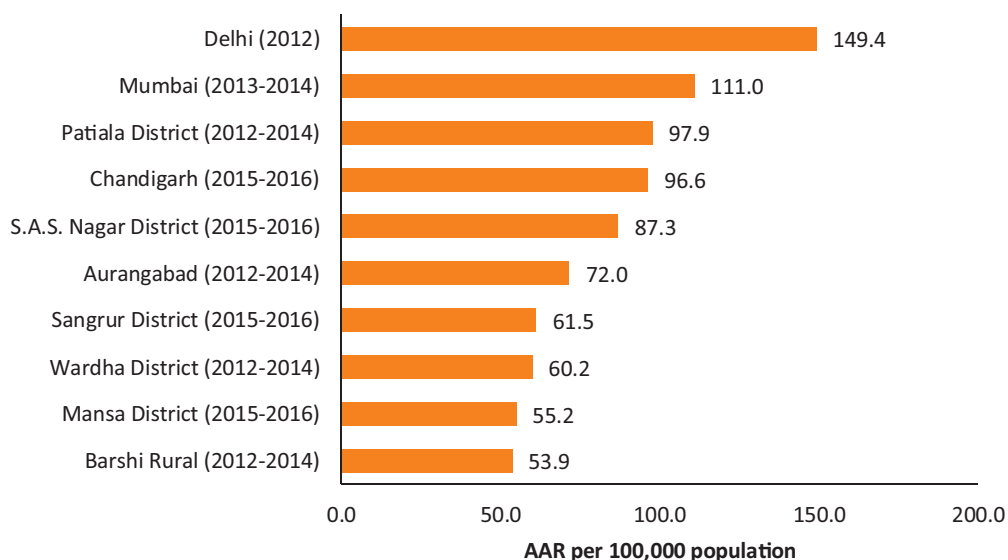
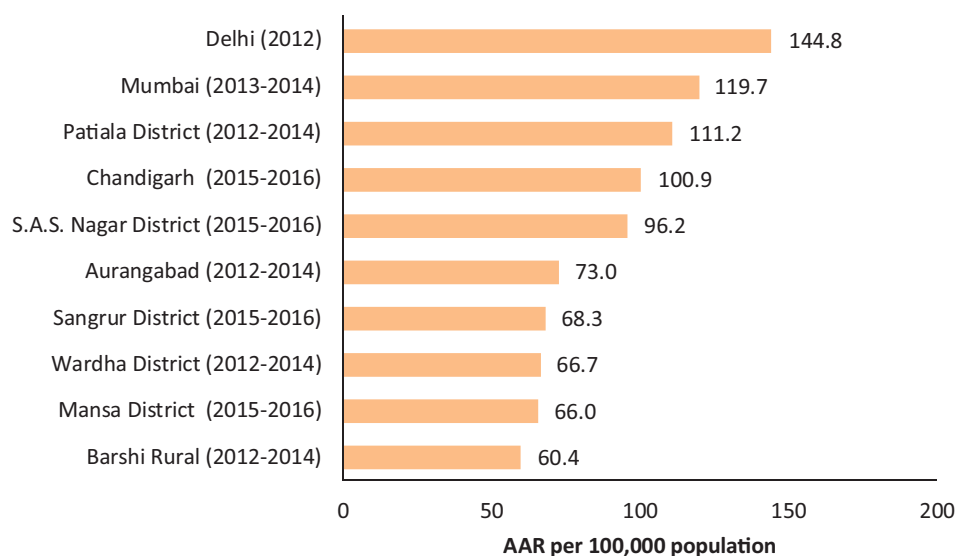
Figure I: All Site Cancer Incidence Rate – Males

Figure II: All Site Cancer Incidence Rate – Females



Cancer Control Activities in Sangrur District

Cancer registries are the first step in cancer control. The registry data has estimated the risk of developing cancer in males as 5% and females as 6%. The major cancers in Sangrur district are breast, oesophagus, cervix uteri, mouth, and prostate. Most of these cancers are preventable. Based on observation from the registry, Tata Memorial Centre has started a satellite center in Sangrur and will establish a comprehensive cancer center in SAS Nagar. Also, PGIMER Chandigarh has initiated a 500 bedded multispecialty hospital.

Early detection program for oral, breast and cervical cancer in Sangrur district

As per the recommendation of the cancer registry report, we have started the “Early detection program for Oral, Breast and Cervical cancer in Sangrur district of Punjab state”. In this project, we are providing intensive health education on signs, symptoms and risk factors for Breast, Cervix and Oral cancer. The likely cases were provided easy access to diagnosis and treatment. Under this program, we have covered 25 villages and 6 municipal wards. The program will continue in Bhawanigarh block and the municipal area of Sangrur. More than 500 symptomatic cases attended the detection clinics that were organized at the doorstep of the population. We have diagnosed 4 Leukoplakia, 1 mild dysplasia, 1 oral cancer cases, 1 breast cancer case and four CIN I and one CIN II cases. These cases are under regular follow up at Homi Bhabha Cancer Hospital, Sangrur.

Sangrur PBCR actively updating the survival status of the cancer patients. The registry has undertaken survival studies of breast, cervix uteri, prostate and oesophagus cancer cases registered in the period 2013 -2016. The survival report will be available in due course.

1. Punjab State Profile

Punjab is situated in northwest India. The Indian state borders the Pakistani province of Punjab to the west, Jammu and Kashmir to the north, Himachal Pradesh to the northeast, Chandigarh to the east, Haryana to the south and southeast, and Rajasthan to the southwest. The total area of the state is 50,362 square kilometers. The population of the state is 27,743,338 (Census 2011)². Punjab's capital is Chandigarh, which is administered separately as a Union Territory since it is also the capital of the neighboring Haryana State.

As per the 2011 Census, Punjab has a total population of 27,743,338 out of which 14,639,465 are males and 13,103,873 are females. It constitutes 2.29% of the total population of India. The population density of Punjab is 550 people per sq.km. The population of Punjab according to the 2011 Census stands at about 27 million people, making it the 15th most populated state in India².

The state is spread over an area of about 50,362 sq. km. making it the 19th largest state in the country in terms of area. The state has a growth rate of about 13%, which is below the national average of 17%. The population of the state is rising considerably due to rapid efforts towards development and progress. The literacy rate in the state is about 76.7% a figure that has improved tremendously in the last few years due to the consistent efforts of the government. The sex ratio in Punjab leaves a lot to be desired as it lags behind the national average. The Punjab state profile is presented in Table 1³.

Table 1: Punjab State Population, Literacy and Area in Sq. Km.

Sr. No.	Characteristics	Unit	Value
1.	Area (i) Rural-Area (ii) Urban Area	Sq. Km	50,362 48,265 2097
2.	District	Number	22
3.	Tehsils	Number	81
4.	Total Population (Census 2011) (i) Urban population (ii) Rural Population	Lakh	277.04 103.8(37.5%) 173.2(62.5%)
5.	Density	Per Sq. Km.	550
6.	Female per 1000 Male	Number	893
7.	Literacy Rate	%	76.7

2. Sangrur District Profile

The district of Sangrur takes its name from its headquarters town, Sangrur. It is said to have been founded by one Sanghu, a Jat, approximately 400 years ago. It is bounded by Ludhiana district in the north, Barnala district in the west, Patiala district in the east and by Fatehbad district (Haryana State) in the south.

According to the 2011 Census of India, Sangrur district ranks 7th in Punjab with a population of 16,55,169, which is 6% of the total population 27,743,338 of Punjab State^{2,4}. The location of the Sangrur district is presented in Figure 1.

Sangrur district health blocks and the number of villages are presented in Table 2.

Figure 1: Location of Population-Based Cancer Registry Sangrur District, Punjab



Table 2: Health Blocks Under Sangrur District

Subdivision / Tehsil	Number of villages
Sherpur	70
Kauhrian	86
Moonak	91
Longowal	68
Amargarh	106
Bhawanigarh	68
Fatehgarh Panj Garian	100
Total	589

Health Infrastructure of Sangrur District

Sangrur district has one district hospital and three sub-district hospitals with basic diagnostic and surgical facilities. The district has 4 rural hospitals, 7 block primary health centers, 28 mini primary health centers, and more than 190 sub-centers. Primary health care is offered at these hospitals. The Sangrur district hospital provides supportive services to cancer cases. Detailed information about the hospital and PHC is presented in Table 3.

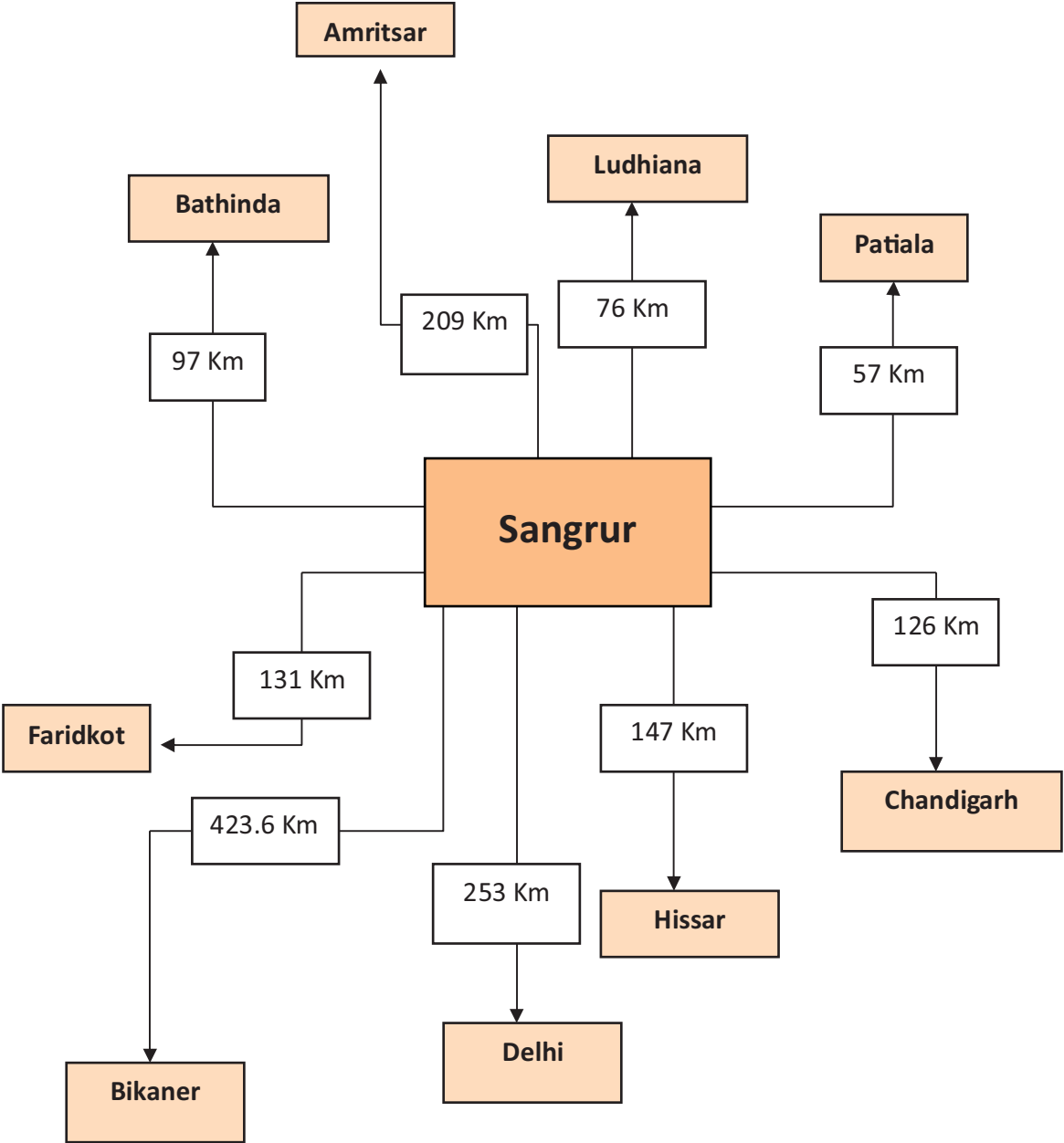
Table 3: Major Health Facilities in Sangrur district

Sr. No.	Institute	Number
1.	District Hospital (DH)	1
2.	Sub-District Hospital (SDH)	3
3.	Community Health Centre	6
4.	Block Primary Health Centre (PHC)	7
5.	Mini Primary Health Centre (MPHC)	28
6.	Rural Hospital (RH)	4
7.	Subsidiary Health Centre (SHC)	68
8.	Sub-Centre (SC)	196
Total		313

Cancer treatment facilities are not available in the district. For cancer treatment, patients from these areas travel to Patiala, Bhatinda, Faridkot, Ludhiana, Chandigarh, New Delhi, Bikaner and Rajasthan state. The closest center is Patiala (57 km) and the farthest center in Bikaner (420 km). The distance from Sangrur to different cancer treatment centers is shown in Figure 2.

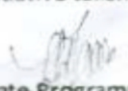
Tata Memorial Centre, Mumbai – an autonomous unit of the Department of Atomic Energy, Government of India with the support of the Government of Punjab has started the Homi Bhabha Cancer Hospital in Sangrur district (HBCH). The hospital started functioning in January 2015. The HBCH has surgical, radiotherapy and medical oncology facilities. Until now, around 8,000 cancer patients have been treated. The hospital is listed in the government-sponsored scheme “Mukhmantri Punjab Cancer Rahat Kosh Scheme⁵” and “Ayushman Bharat Sarbat Sehat Bima Yojana¹⁵” for cancer treatment.

Figure 2: Distance from Sangrur to the Treatment Centres



3. Administrative Order by the State Government for the Cancer Registration Process

The State Program Officer (Cancer Control Cell) of the Government of Punjab has issued an administrative order to all the hospitals in the state, which are impaneled under Mukhmantri Punjab Cancer Rahat Kosh Schemes, to provide the data of cancer patients to the population-based cancer registries of Mansa, Sangrur, and SAS Nagar. Due to administrative support from the government of Punjab, we have very good cooperation from all the government hospitals and the private impaneled hospitals.

	
NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF CANCER, DIABETES, CARDIOVASCULAR DISEASES & STROKE Directorate of Health & Family Welfare Room No 502, 4 th Floor, Sector 34 A, Chandigarh 0172-2605600	
No. NPCDCS/Pb/2013/	Dated:-11-03-2013
To	
1. Civil Surgeons Mohali, Sangrur and Mansa.	
2. All empanelled Hospitals under Mukh Mantri Punjab Cancer Rahat Kosh scheme.	
Subject :- Population Based Cancer Registries (PBCR) – An initiative by Punjab Government in collaboration with Tata Memorial Centre, Mumbai and PGIMER, Chandigarh.	
Population Based Cancer Registry in Urban and Rural areas in Chandigarh, Mohali and Sangrur, Mansa, urban and rural areas respectively, has already started since 1st Jan 2013. These registries will provide annual Cancer incidence, Mortality and trends of Cancer in Punjab. For the above said purpose, the teams will be visiting various institutions, Public and Private, in your area. As per the orders of Worthy PSHFW, Punjab, you are directed to co-operate and co-ordinate with them in every possible way to make this initiative taken by Punjab Government, a success.	
 State Programme Officer Cancer Control Cell	
No. NPCDCS/Pb/2013/	Dated:-11-03-2013
A copy of above is forwarded to:-	
1. PA to PSHFW, for information of Worthy PSHFW, Punjab please.	
2. PA to DHS, for information of Worthy DHS, Punjab please.	
3. Civil Surgeon Mohali, Sangrur and Mansa for information and necessary action please.	
4. All empanelled Hospitals (Public and Private) under Mukh Mantri Punjab Cancer Rahat Kosh.	

4. Population Covered by the Cancer Registry

Sangrur district is divided into seven health blocks: Moonak, Longowal, Bhawanigarh, Amargarh, Kauhrian, Sherpur and Fatehgarh Panj-Garian. As per the 2011 census, the total population of Sangrur district was 1,655,169. Of the total population, 53% are males and 47% are females. Of the total population, 1,139,204 (68.8%) is rural and 515,965 (31.17%) is urban². The population as per the 2011 census is mentioned in Table 4.

Table 4: Sangrur district population as per census 2011

Area	No. of Households	Total	Male	Female
Rural	217864	1139204	604653	534551
Urban	101006	515965	273376	242589
Total	318870	1655169	878029	777140

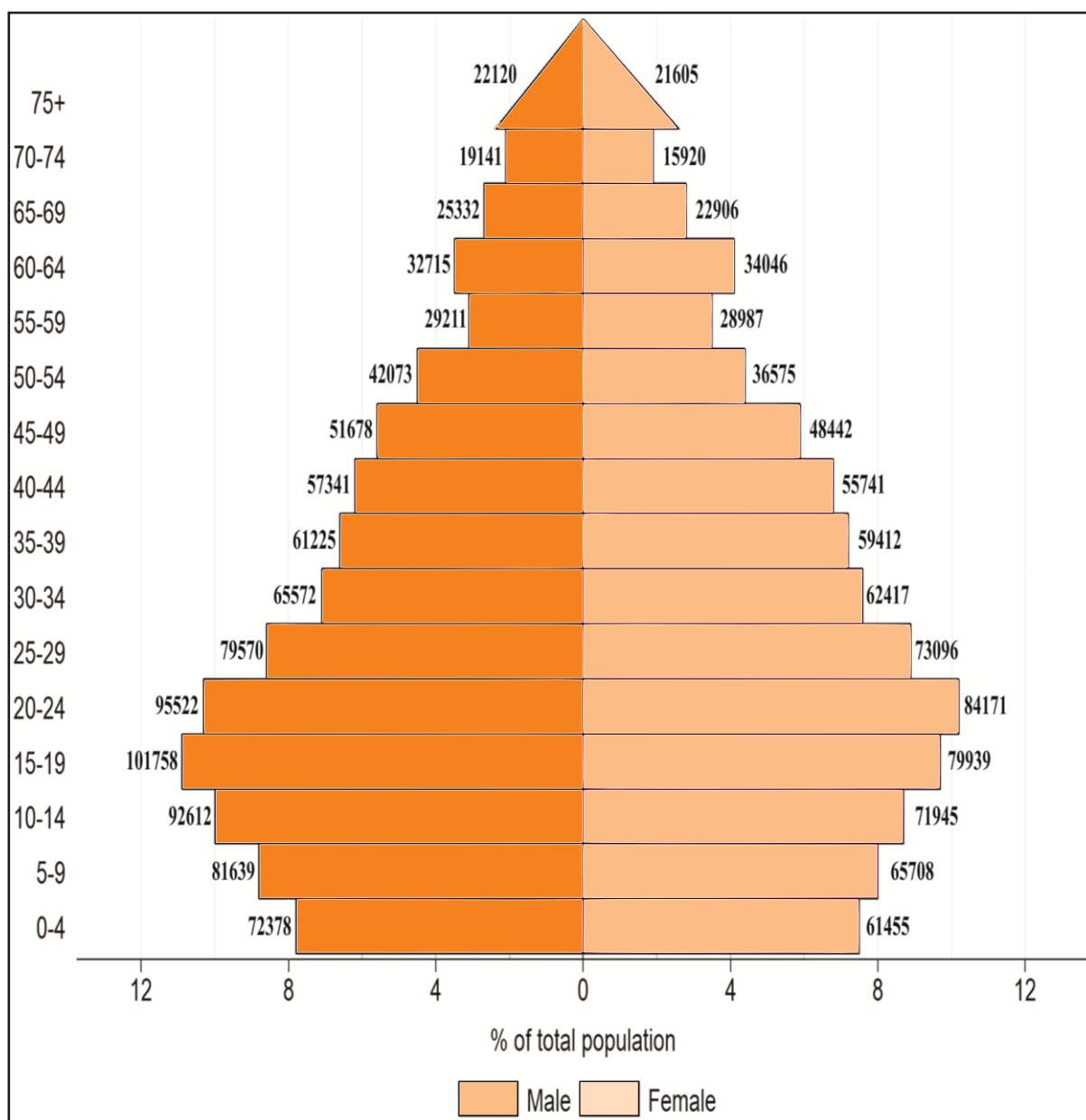
Estimated Population of Sangrur District: 2015 – 2016

The registry population for 2015-2016 was estimated by the exponential growth rate using the growth rate from 2001 to 2011 census population. For 2015-2016, there are 929,887 males and 822,365 females. More than 65% of the population is rural and depends on agricultural activities. The estimated population of 2015 -2016 is presented in Table 5. The population pyramid of the Sangrur district is shown in figure 3.

Table 5: Average estimated Population of Sangrur District as on 1st July (2015 – 2016)

Age-group	Male	%	Female	%	Total	%
0-4	72378	7.8	61455	7.5	133833	7.6
5-9	81639	8.8	65708	8.0	147347	8.4
10-14	92612	10.0	71945	8.7	164557	9.4
15-19	101758	10.9	79939	9.7	181697	10.4
20-24	95522	10.3	84171	10.2	179693	10.3
25-29	79570	8.6	73096	8.9	152666	8.7
30-34	65572	7.1	62417	7.6	127989	7.3
35-39	61225	6.6	59412	7.2	120637	6.9
40-44	57341	6.2	55741	6.8	113082	6.5
45-49	51678	5.6	48442	5.9	100120	5.7
50-54	42073	4.5	36575	4.4	78648	4.5
55-59	29211	3.1	28987	3.5	58198	3.3
60-64	32715	3.5	34046	4.1	66761	3.8
65-69	25332	2.7	22906	2.8	48238	2.8
70-74	19141	2.1	15920	1.9	35061	2.0
75+	22120	2.4	21605	2.6	43725	2.5
Total	929887	100.0	822365	100.0	1752252	100.0

Figure 3: Population pyramid of Sangrur district as on 1st July (2015 – 2016)



5. Cancer Registration Method

Cancer Incidence Cases

Trained social workers of the registry visit the allotted villages periodically (in a period of 6 to 8 months) to gather information regarding the cancer cases diagnosed in the area and the cancer deaths documented in the village administrative office. The field staff interacts with the village sarpanch, Auxiliary Nurse Midwives (ANMs), Anganwadi workers, ASHA workers, and the medical officer of the primary health center and collects the information regarding cancer cases diagnosed in the village as well as any cancer death that has occurred in the village. The social worker takes the detailed information of the cancer case and visits the patient's house, along with the ASHA workers. The field staff interacts with the patient/patient's relative and asks the following questions:

- When was the patient diagnosed with cancer?
- Does the patient have a case file number with the treating hospital?
- Does the patient have any discharge report, biopsy report, or CT scan report?

The social worker notes down the available information. As per the information provided by the patient/patient's relative, the field staff communicates with the treating cancer center, collects the clinical details of the patient, and registers the cancer case in the prescribed proforma. In case of not getting access to the medical records of the patient, staff registers the case based on the information provided by the patient/patient's relative.

In the second visit, the field staff updates the status of the cancer cases. The fieldworker also identifies any new cancer case/death in the village and repeats the same procedure mentioned above. This is a continuous process of village visits.

Cancer Death Cases

During the village visit, the social worker inquires about cancer deaths that have happened in the village. The social worker also collects the death case information from the village birth and death registrar office. In the same manner as the cancer incidence cases, the field staff interacts with the patient's relative and collects information regarding cancer death. Based on the information provided by the relatives and by matching the information with the medical records available in the cancer registry, the cancer death is registered.

Cancer Prevalence Cases

During the field visit, sometimes field staff may come across the cases diagnosed before 2015. In this situation, the field staff takes detailed information of the cancer case from the patient's relative and maintains the data in the registry office. In the second visit, field staff updates the status of the cancer cases. If there is any death of the prevalent case in that year, then the cancer death is registered after matching the information with the registry record.

Data Checking

All the cases collected by field staffs from the villages as well as from the hospital are scrutinized by the senior staff member. After residence confirmation, the cancer case

information is documented in the prescribed format. The primary site and histology are coded based on the International Classification of Diseases for Oncology – Third Edition, Geneva, 2000 (ICD-O3)⁶.

Data Entry

The data entry is carried out in CanReg5 software developed by the International Agency for Research on Cancer, Lyon, France⁷.

After duplicate checking and other quality measures, the cancer incidence and death cases are registered. The cancer registration process of the registry is presented in Figure 4.

Cancer Cases Data Collection from Different Hospitals

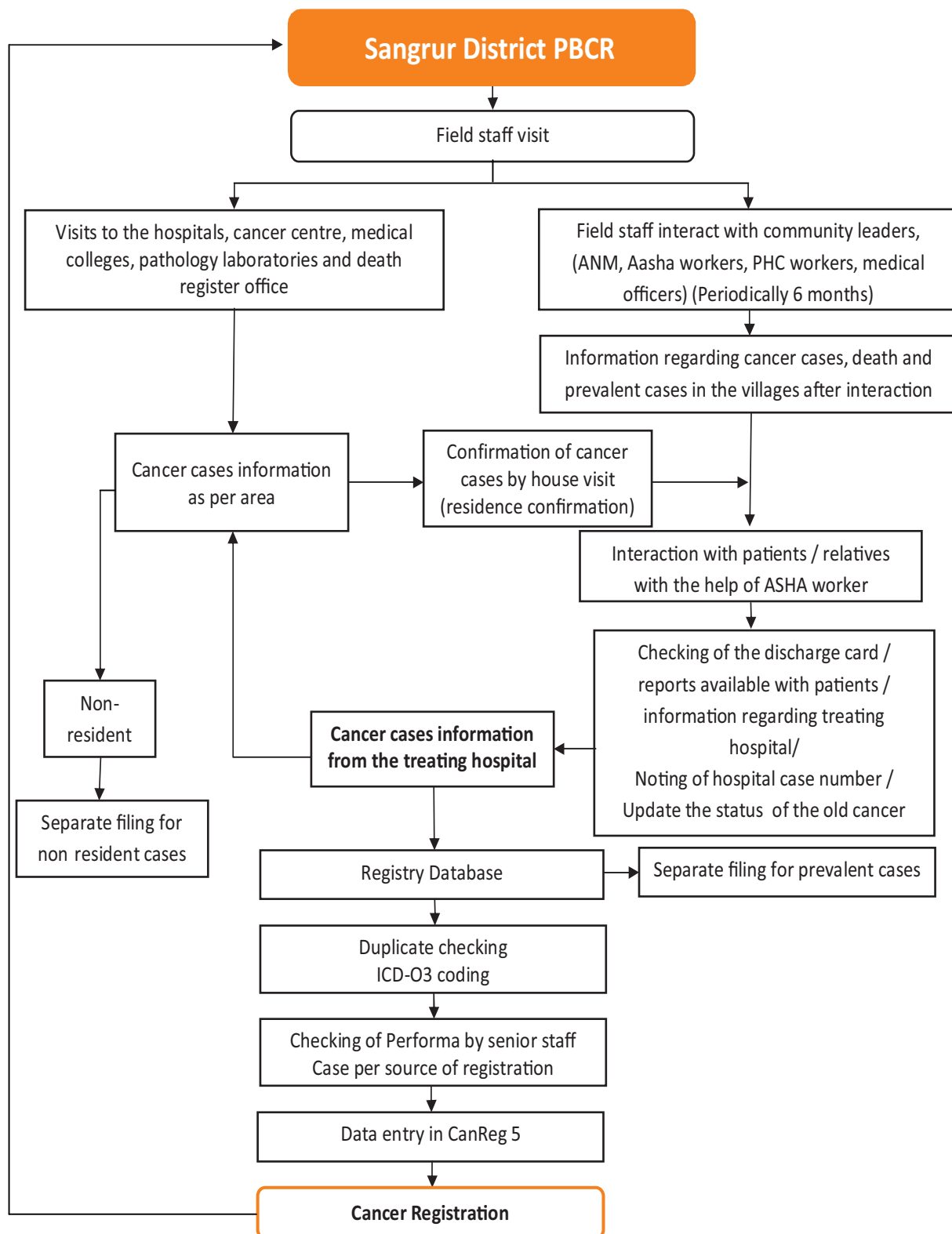
The registry staff regularly visits the following centers to collect information on the cancer cases and death cases of Sangrur district. Chandigarh and SAS Nagar PBCR staff appointed by TMC regularly visit all the hospitals of Chandigarh and the SAS Nagar area to collect the cancer case data. They provide the cancer case data to the cancer registry staff of Sangrur during their monthly meeting. The different sources of data collection are mentioned in Table 6.

Table 6: Different Sources of Data Collection

Sr. No.	Institution Name	Place
1	Homi Bhabha Cancer Hospital	Sangrur
2	Civil Hospital	Sangrur
3	Births and Deaths Registrar Office	Sangrur
4	Poonam Lab	Sangrur
5	Sodhi Scan Centre	Sangrur
6	Cancer Cell	Sangrur
7	Harbans Ultrasound and CT Scan Centre	Sangrur
8	Post Graduate Institute of Medical Education and Research (PGIMER)	Chandigarh
9	Government Medical College and Hospital, Sector 32	Chandigarh
10	Government Multi Speciality Hospital, Sector- 16	Chandigarh
11	Grecian Super Speciality Hospital	SAS Nagar
12	Fortis Hospital	SAS Nagar
13	Indus Hospital	SAS Nagar
14	IVY Hospital	SAS Nagar
15	Max Hospital	SAS Nagar
16	Behgal Hospital	SAS Nagar
17	Mohan Dai Oswal Cancer Hospital	Ludhiana
18	Dyanand Medical College & Hospital	Ludhiana
19	Christian Medical College & Hospital, Ludhiana	Ludhiana
20	Fortis Hospital	Ludhiana
21	Community Health Centre	Ahmedgarh

Sr. No.	Institution Name	Place
22	Births and Deaths Registrar	Ahmedgarh
23	Community Health Centre	Amargarh
24	Births and Deaths Registrar	Amargarh
25	Gian Sagar Medical College and Hospital	Banur
26	Max Super Speciality Hospital	Bathinda
27	Community Health Centre	Bhawanigarh
28	Births and Deaths Registrar	Bhawanigarh
29	Births and Deaths Registrar	Bhawanigarh
30	Acharaya Tulsi Regional Cancer Treatment Centre & Research Institute	Bikaner
31	Births and Deaths Registrar	Cheema
32	Births and Deaths Registrar	Dhuri
33	Civil Hospital	Dhuri
34	Births and Deaths Registrar	Dirba
35	Guru Gobind Singh Medical College & Hospital	Faridkot
36	Primary Health Centre	Fatehgarh Panjgarian
37	O.P Jindal Institute of Medical Sciences	Hisar
38	Life Line Care Hospital/ Adhar Health Institute	Hisar
39	Community Health Centre	Kauhrian
40	Births and Deaths Registrar	Khanauri
41	Community Health Centre	Lehragaga
42	Births and Deaths Registrar	Lehragaga
43	Community Health Centre	Longowal
44	Mohan Dai Oswal Cancer Hospital	Ludhiana
45	Dyanand Medical College & Hospital	Ludhiana
46	Christian Medical College & Hospital, Ludhiana	Ludhiana
47	Fortis Hospital	Ludhiana
48	Births and Deaths Registrar	Malerkotla
49	Hazrat Haleema Hospital	Malerkotla
50	Civil Hospital	Malerkotla
51	Births and Deaths Registrar	Moonak
52	Primary Health Centre	Moonak
53	Amar Hospital	Patiala
54	Government Medical College/Rajindra Hospital	Patiala

Figure 4: Cancer Registration Method



6. Community Involvement in the Cancer Registration Process

The cancer patients from this area travel 60 km to 420 km for cancer treatment. It is practically difficult for the registry staff to visit these all centers regularly. The Punjab Government has conducted a door to door campaign and household survey to know the prevalence of cancer in each district of the state⁸. Due to this program, the community leaders are aware of the importance of the disease and the cancer registration process. The primary health center staff, ASHA workers, and Anganwadi workers cooperate by providing information on newly diagnosed cancer/cancer deaths that have occurred in the village. The trained field staff from the registry continuously interacts with these community members to obtain information regarding cancer cases in the villages.

Due to community interaction, we are 100% sure about the residence confirmation of the cancer cases. Interaction with the patient/ patient's relatives provides demographic information such as education, income, and religion, etc. Regular village visits and communications with the community have enabled us to update the status of cancer patients, which will be utilized for cancer survival analysis. Initially, two major cancer centers refused to provide cancer case data. In this situation, due to field visits and interactions with community leaders, we can get the information about the cancer cases from the village after contacting patients / their relatives through these community leaders. **In the previous year, we interacted with 2,335 community leaders; while in 2015-2016, we have interacted with 2,437 community representatives of 589 villages.**

Registry staff interacted with community leaders and primary health center staff to collect information about diagnosed cancer cases. The detail of the same by block is presented in Table 7.

Table 7: Community Leaders/Primary Health Centre Staff Involved in the Cancer Registration Process

Block Name	Total No. of Villages	Sarpanch/ Panch	SMO	MO	B.E.E	ANM	ASHA Workers	Anganwadi workers	MPHW	Other	Total
Sherpur	70	45	1	4	1	37	118	35	7	9	257
Kauhrian	86	61	1	6	1	51	173	14	9	7	323
Moonak	91	59	1	5	1	47	211	54	30	17	425
Longowal	68	47	1	2	1	35	152	99	25	7	369
Amargarh	106	55	1	2	1	34	137	45	21	27	323
Bhawanigarh	68	48	1	5	1	22	78	61	10	21	247
Fatehgarh Panjgarian	100	85	2	14	2	40	157	152	26	15	493
Total	589	400	8	38	8	266	1026	460	128	103	2437

SMO: Senior Medical Officer, MO: Medical Officer, BEE: Block Extententure Educator, MPHW: Multipurpose Health Worker, ANM: Auxillary Nurse Midwife, ASHA: Accredited Social Health Activist

7. Quality Control

Mortality to Incidence Ratio

The mortality-incidence or MI ratio is an indicator of the completeness and accuracy of cancer registry data. In the year 2015-2016, 2203 incident cancer cases (1075 males and 1128 females) have been registered by PBCR Sangrur. For the same period, 1432 cancer deaths have been registered (757 males and 675 females). The overall mortality to incidence ratio is 0.65 (65%); males 0.70 (70.3%) and females 0.60 (59.8%). The MI ratio is good and comparable to other established rural PBCRs in India.¹

Reabstraction of the Cases

A quality control exercise was carried out for the improvement of the records and to retrain the staff if required. The CCE-TMC team checked all cancer cases data. During the quality control exercise, it was observed that staff are needed to be retrained in the abstraction of cases of the primary site unknown, metastatic, and lymphoma- leukemia. Based on the results, the staff was retrained at TMC, Mumbai. The data were modified and reentered.

Incidence Rates of Childhood Cancers

In the year 2015-2016, we registered 31 cancer cases in boys and 15 in girls. The age-specific rates reported for the pediatric cancer is mentioned in Table 8.

Table 8: Incidence Rate of Paediatric Cancer Cases in Sangrur district: 2015-2016

Age group	Boys		Girls	
	Number of Cases	Age-Specific Rate	Number of Cases	Age-Specific Rate
0 – 4	10	6.9	4	3.3
5 – 9	11	6.7	4	3.0
10 – 14	10	5.4	7	4.9
Age Adjusted Rate per 1,000,000 (AAR per million)	64.1		36.5	

The age-adjusted incidence rate for the pediatric age group (0-14) was 64.1 per million for boys and 36.5 per million for girls. As per the international incidence of childhood cancer volume III, the incidence rate for boys is more than 60 per million; however, it is lower for girls indicating we may have missed the cases in girls.⁹

The microscopic confirmation was 90.3% in boys and 86.7% in girls.

Microscopic Verification of the Cases

In the year 2015-2016, out of 1075 males cases, 838 cases (78%) were diagnosed with microscopic verification. 14.3% of cases were diagnosed based on radiological findings and 2.8% of cases were diagnosed clinically. Most of the Other and Unspecified cases were diagnosed via radiology (eg. Lymph Node, Primary site unknown cases). In females, out of 1128 cases, we have 965 cases (85.6%) diagnosed with microscopic verification. 7.4% of cases were diagnosed on radiological findings and 3.2% of cases were diagnosed clinically.

Death Certificate Only Cases (DCO)

We have registered 38 cases in males (3.5%) and 34 cases in females (3.0%) under the DCO/Other categories. The death cases have been registered based on the narration/relative remarks/discharge summary available with the patient's relative.

Per Source Case Registration

We have also seen the number of sources per incidence case registered. The cases were counted as per source notification. In Sangrur, the average number of sources per case registered is 2.5. The coverage of the sources by the registry has become higher. Due to field interaction, the case coverage is high.

8. Cancer Cases Registered by Source of Registration – First Source of Information

The first information of the cancer cases diagnosed/cancer deaths is from the village visit due to interaction with the community. After documentation, these cases are further confirmed from hospital records. **For about 40% of cases, the Homi Bhabha Cancer hospital is the first source of information. As compared to the previous year, the first source of registration as a village visit has reduced by 25% (from 45% to 20%).** The cancer incidence and death cases registered by the source of registration are mentioned in Table 9 and Table 10.

Table 9: Cancer Cases Information by the First Source of Cancer Registration

Sr. No.	Source of Registration	Male	%	Female	%	Total	%
1	Homi Bhabha Cancer Hospital, Sangrur	382	35.5	488	43.3	870	39.5
2	Village visit	252	23.4	198	17.6	450	20.4
3	Post Graduate Institute Of Medical Education And Research (PGIMER), Chandigarh	131	12.2	90	8.0	221	10.0
4	Cancer Cell, Sangrur	102	9.5	126	11.2	228	10.3
6	Mohandai Oswal Cancer Hospital, Ludhiana	41	3.8	43	3.8	84	3.8
7	Death And Birth	29	2.7	27	2.4	56	2.5
8	Guru Gobind Singh Medical College & Hospital, Faridkot	17	1.6	37	3.3	54	2.5
9	Rajindra Hospital, Patiala	17	1.6	25	2.2	42	1.9
10	Acharya Tulsi Dass Regional Cancer Research & Hospital, Bikaner	24	2.2	10	0.9	34	1.5
11	Government Medical College And Hospital, SEC 32, Chandigarh	16	1.5	9	0.8	25	1.1
12	Dyanand Medical College & Hospital, Ludhiana	14	1.3	9	0.8	23	1.0
13	Poonam Path Lab, Sangrur	8	0.7	13	1.2	21	1.0
14	Sodhi Scan Centre Hospital, Sangrur	4	0.4	8	0.7	12	0.5
15	Fortis Hospital, Mohali	7	0.7	4	0.4	11	0.5
16	MAX Multispeciality Hospital, Mohali	4	0.4	7	0.6	11	0.5
17	Max Hospital, Bathinda	4	0.4	6	0.5	10	0.5
18	Grecian Super Speciality Hospital, Mohali	6	0.6	3	0.3	9	0.4
19	Civil Hospital, Malerkotla	1	0.1	6	0.5	7	0.3
20	Fortis Hospital, Ludhiana	3	0.3	3	0.3	6	0.3
21	IVY Hosital, Mohali	2	0.2	4	0.4	6	0.3
22	Christian Medical College & Hospital, Ludhiana	2	0.2	3	0.3	5	0.2
23	Grace Hospital And Renal Care Clinic, MOHALI	1	0.1	3	0.3	4	0.2
24	Hazrat Haleema Hospital, Malerkotla	1	0.1	2	0.2	3	0.1
25	Indus Hospital SCF 99-100, Mohali	1	0.1	2	0.2	3	0.1
26	Gyan Sagar Hospital, Mohali	1	0.1	1	0.1	2	0.1
27	Amar Hospital, Patiala	1	0.1	-	-	1	0.1
28	Malhotra Medical Lab, Chandigarh	1	0.1	-	-	1	0.1
29	Mayo Hospital, Sector-68, Mohali	1	0.1	-	-	1	0.1
30	Shri Guru Harkishan Hospital, Sohana, Mohali	-	-	1	0.1	1	0.1

Sr. No.	Source of Registration	Male	%	Female	%	Total	%
31	Sohana Eye and Mutispeciality Hospital, Mohali	1	0.1	-	-	1	0.1
32	SRL Diagnostic, Chandigarh	1	0.1	-	-	1	0.1
	Total	1075	100.0	1128	100.0	2203	100.0

Table 10: Cancer Death Information by the First Source of Cancer Registration

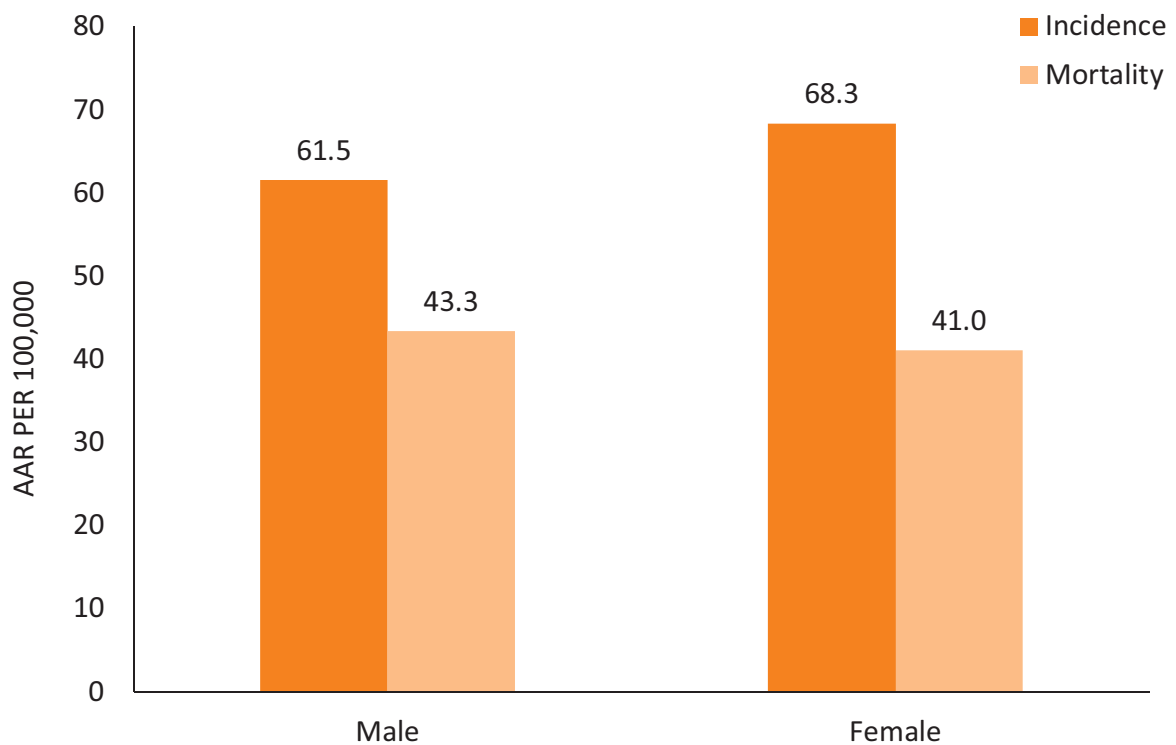
Sr. No.	Source of Registration	Male	%	Female	%	Total	%
1	Village visit	465	61.4	459	68.0	924	64.5
2	Death & Birth Registrar	72	9.5	53	7.9	125	8.7
3	Homi Bhaba Cancer Hospital, Sangrur	59	7.8	39	5.8	98	6.8
4	Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh	48	6.3	26	3.9	74	5.2
5	Mohandai Oswal Cancer Hospital, Ludhiana	25	3.3	20	3.0	45	3.1
6	Rajindra Hospital, Patiala	19	2.5	22	3.3	41	2.9
7	Guru Gobind Singh Medical College & Hospital, Faridkot	11	1.5	15	2.2	26	1.8
8	Achrya Tulsi Dass Regional Cancer Research & Hospital, Bikaner	15	2.0	9	1.3	24	1.7
9	Government Medical College and Hospital, SEC 32, Chandigarh	14	1.9	10	1.5	24	1.7
10	Dyanand Medical College & Hospital, Ludhiana	8	1.1	3	0.4	11	0.8
11	Ahemedgarh PHC, Ahemedgarh	3	0.4	2	0.3	5	0.3
12	Civil Hospital, Sangrur	2	0.3	2	0.3	4	0.3
13	Fortis Hospital, Ludhiana	2	0.3	2	0.3	4	0.3
14	Grecian Super Speciality Hospital, Mohali	3	0.4	1	0.1	4	0.3
15	Max Hospital, Bathinda	3	0.4	1	0.1	4	0.3
16	Fortis Hospital, Mohali	1	0.1	2	0.3	3	0.2
17	IVY Hosital, Mohali	1	0.1	2	0.3	3	0.2
18	Christian Medical College & Hospital, Ludhiana	1	0.1	1	0.1	2	0.1
19	Gyan Sagar Hospital (Harvinder Memorial Cancer Centre) Patiala	2	0.3	2	0.3	4	0.3
20	Hazrat Haleema Hospital, Malerkotla	1	0.1	1	0.1	2	0.1
21	MAX Multispeciality Hospital, Mohali	1	0.1	1	0.1	2	0.1
22	Grace Hospital and Renal Care Clinic, Mohali	1	0.1	-	-	1	0.1
23	Medicos Centre, Chandigarh	-	-	1	0.1	1	0.1
24	Yash Hospital, Sangrur	-	-	1	0.1	1	0.1
	Total	757	100.0	675	100.0	1432	100.0

9. Cancer Incidence and Mortality – All Sites

In the year 2015-2016, the registry registered 2203 cancer cases. In males, there were 1075 cases and in females 1128 cases. The age-adjusted incidence rate for males is 61.5 per 100,000 population and for females, it is 68.3 per 100,000 population.

In the year 2015-2016, the cancer registry registered 1432 cancer deaths. In males, there were 757 deaths and in females 675 deaths. The age-adjusted mortality rate for males is 43.3 per 100,000 and for females, it is 41.0 per 100,000 population. The cancer incidence and mortality rates for all sites for males and females are presented in Figure 5.

Figure 5: All Sites Cancer Incidence and Mortality Rate by Sex



10. Leading Cancer Sites by Sex

In males, oesophagus, liver, prostate, tongue, lung, larynx, mouth, bladder, NHL and lymphoid leuk. are the leading cancer sites. The top ten leading cancer site in males are presented in Figure 6. In females, breast, cervix uteri, oesophagus, ovary, gall bladder, corpus uteri, thyroid, pancreas, lung and NHL are the leading cancer sites. The top 10 leading cancer sites in females are presented in Figure 7.

Figure 6: Leading Cancer Sites in males (figures in parenthesis indicate the Percentage)

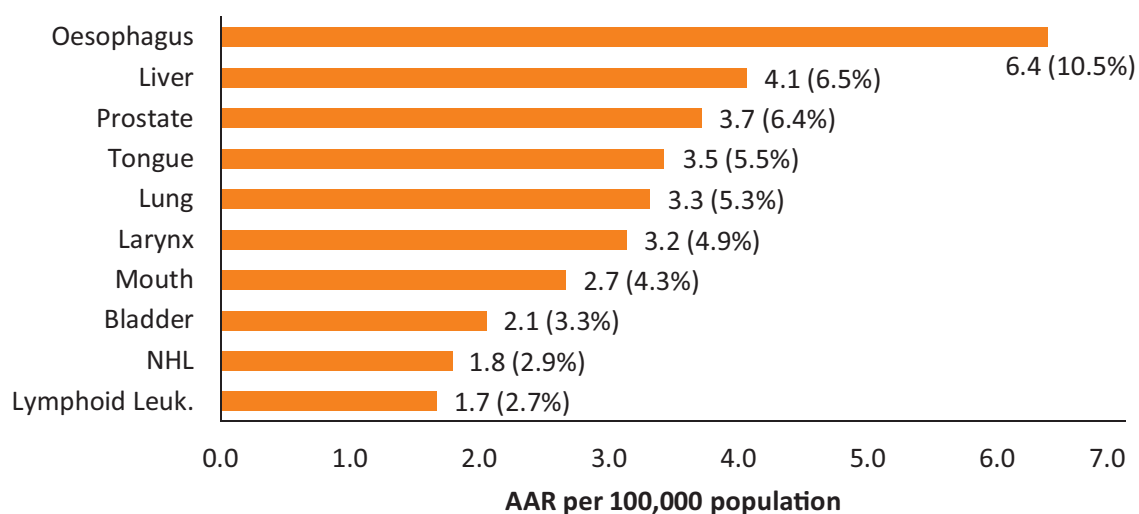
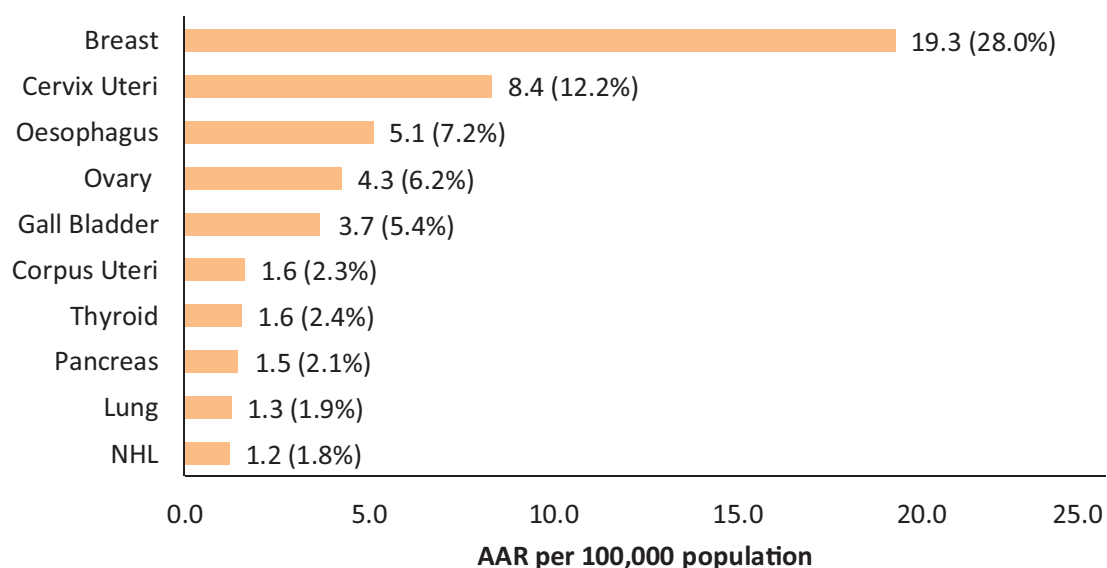


Figure 7: Leading Cancer Sites in Females (figures in parenthesis indicate the Percentage)



Cancer of Oesophagus (C15) (2015-2016)

	Male	Female
Number of Cases	113	85
% to Total Cases	10.5	7.5
Crude Incidence Rate per 100,000	6.1	5.2
Age Adjusted Incidence Rate per 100,000	6.4	5.1
Truncated Rate per 100,000	12.8	10.8

Figure 8: Age-Specific Incidence rate of Cancer of Oesophagus

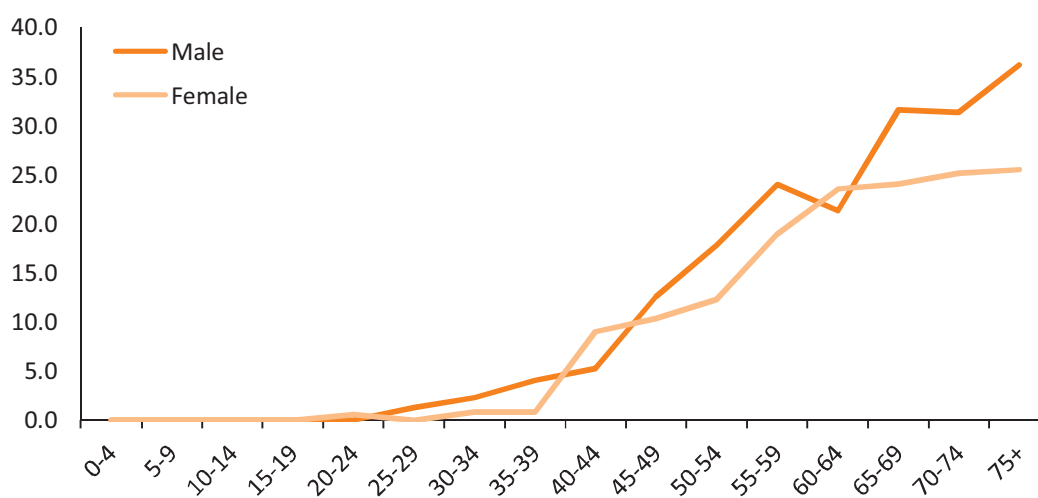
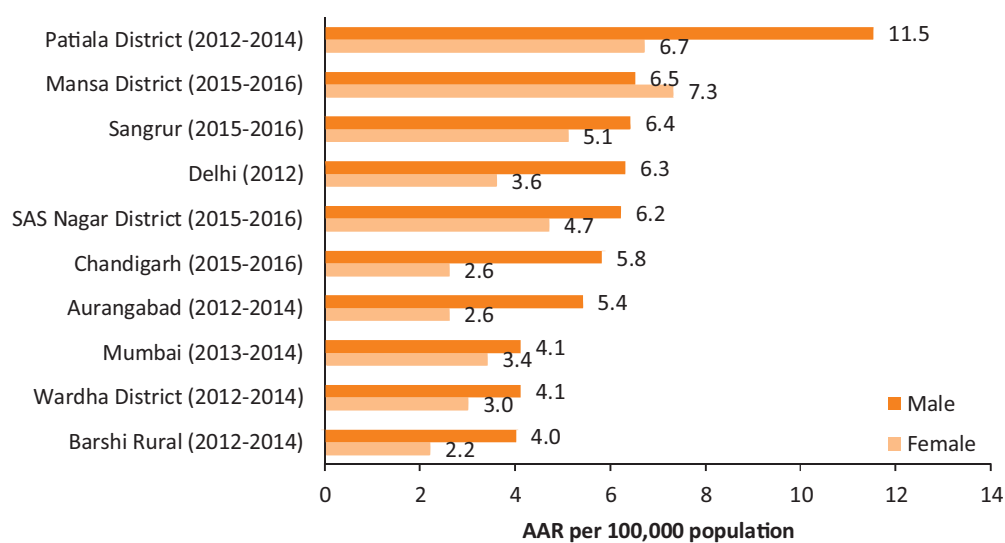


Figure 9: Comparison of Oesophagus Cancer Incidence Rate with Other Indian Registries



Cancer of Liver (C22) (2015-2016)

	Male	Female
Number of Cases	70	14
% to Total Cases	6.5	1.2
Crude Incidence Rate per 100,000	3.8	0.9
Age Adjusted Incidence Rate per 100,000	4.1	0.9
Truncated Rate per 100,000	8.9	2.0

Figure 10: Age-Specific Incidence Rate of Cancer of Liver

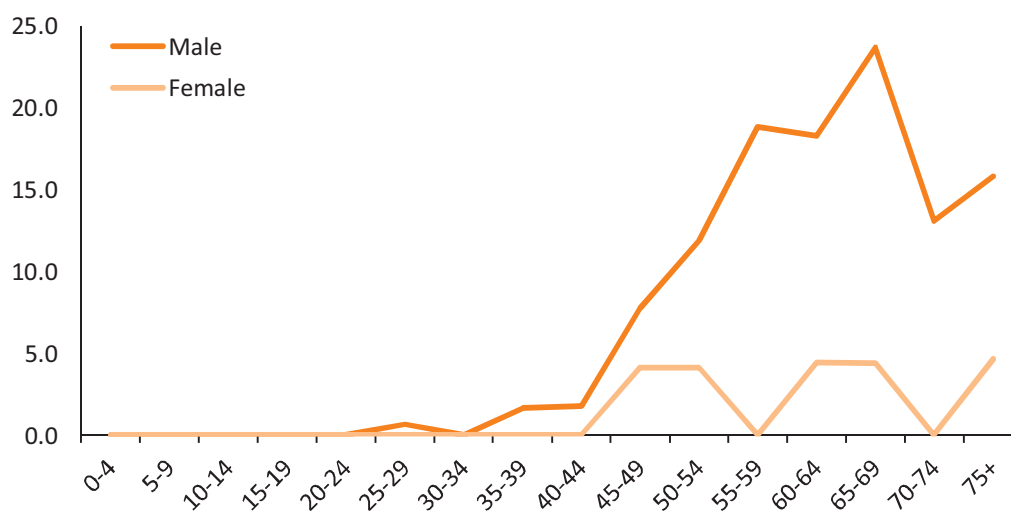
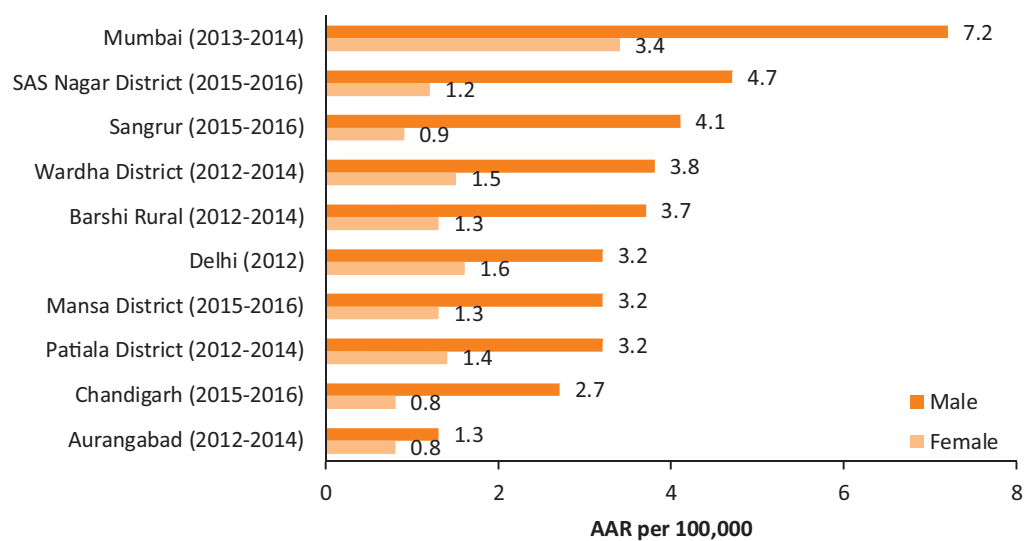


Figure 11: Comparison of Liver Cancer Incidence Rate with Other Indian Registries



Cancer of Prostate (C61) (2015-2016)

Number of Cases	69
% to Total Cases	6.4
Crude Incidence Rate per 100,000	3.7
Age-Adjusted Incidence Rate per 100,000	3.7
Truncated Rate per 100,000	3.4

Figure 12: Age-Specific Incidence Rate of Cancer of Prostate

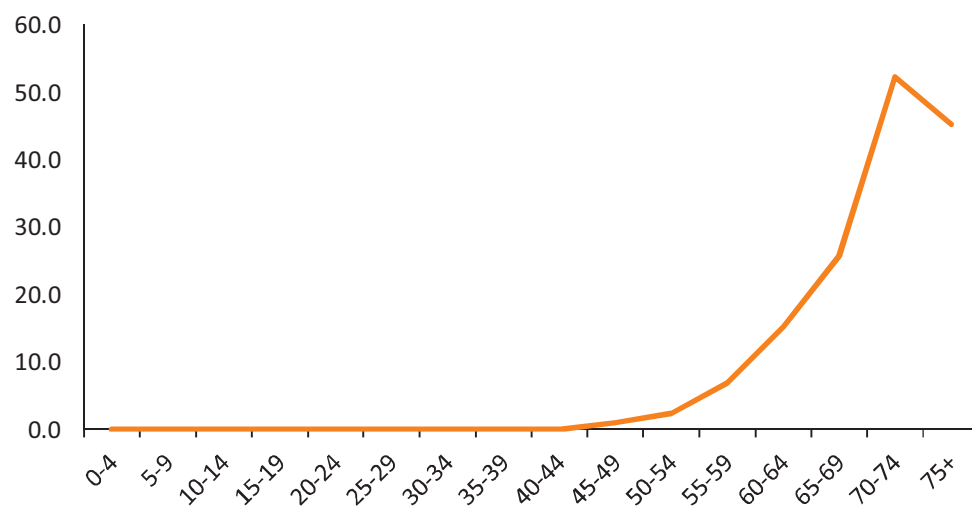
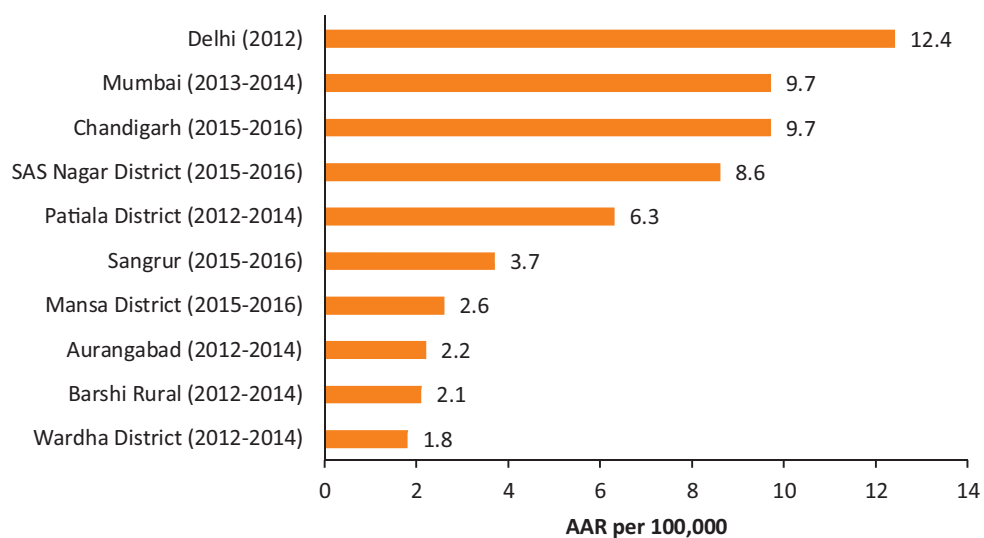


Figure 13: Comparison of Prostate Cancer Incidence Rate with Other Indian Registries



Cancer of Tongue (C01-C02) (2015-2016)

	Male	Female
Number of Cases	59	14
% to Total Cases	5.5	1.2
Crude Incidence Rate per 100,000	3.2	0.9
Age Adjusted Incidence Rate per 100,000	3.5	0.8
Truncated Rate per 100,000	8.8	1.6

Figure 14: Age-Specific Incidence Rate of Cancer of Tongue

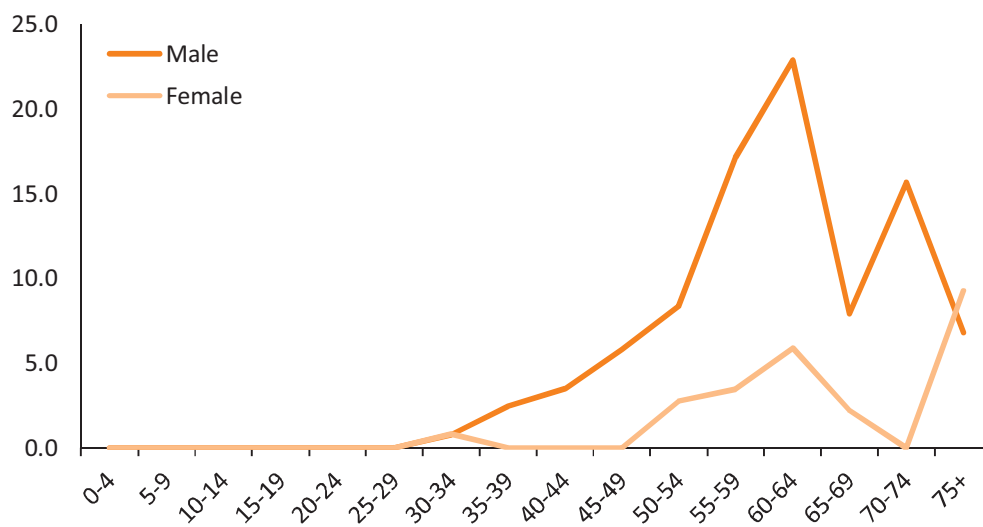
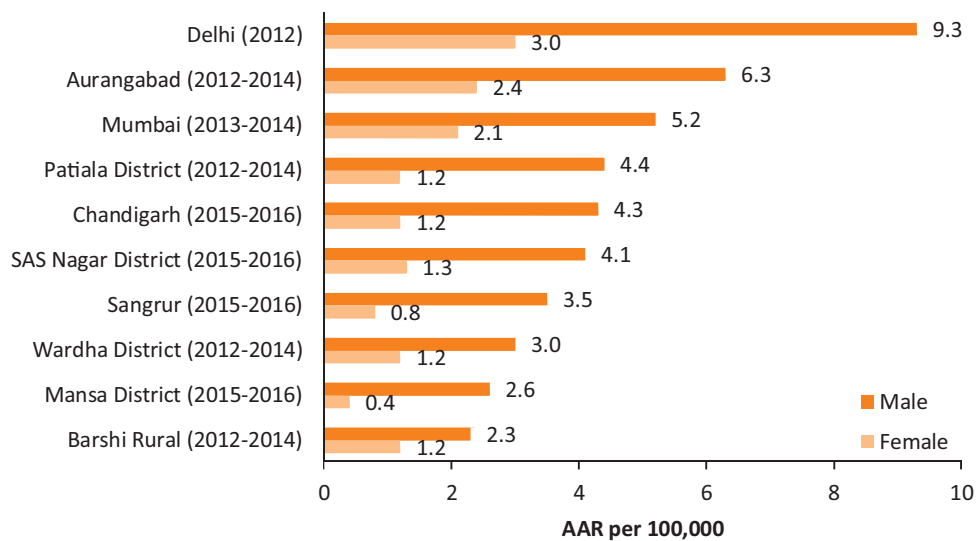


Figure 15: Comparison of Tongue Cancer Incidence Rate with Other Indian Registries



Cancer of Breast (C50) (2015-2016)

	Female
Number of Cases	316
% to Total Cases	28.0
Crude Incidence Rate per 100,000	19.2
Age-Adjusted Incidence Rate per 100,000	19.3
Truncated Rate per 100,000	44.0

Figure 16: Age-Specific Incidence Rate of Cancer of Breast

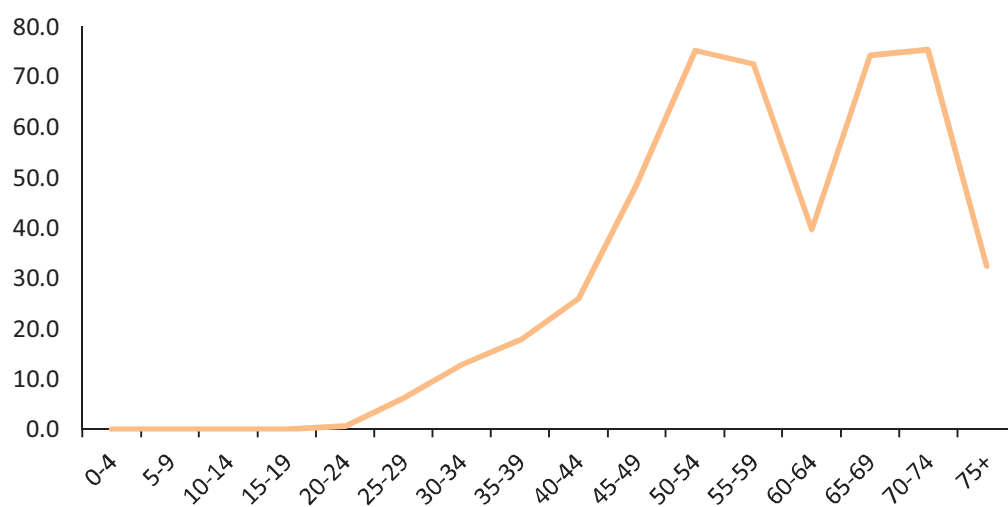
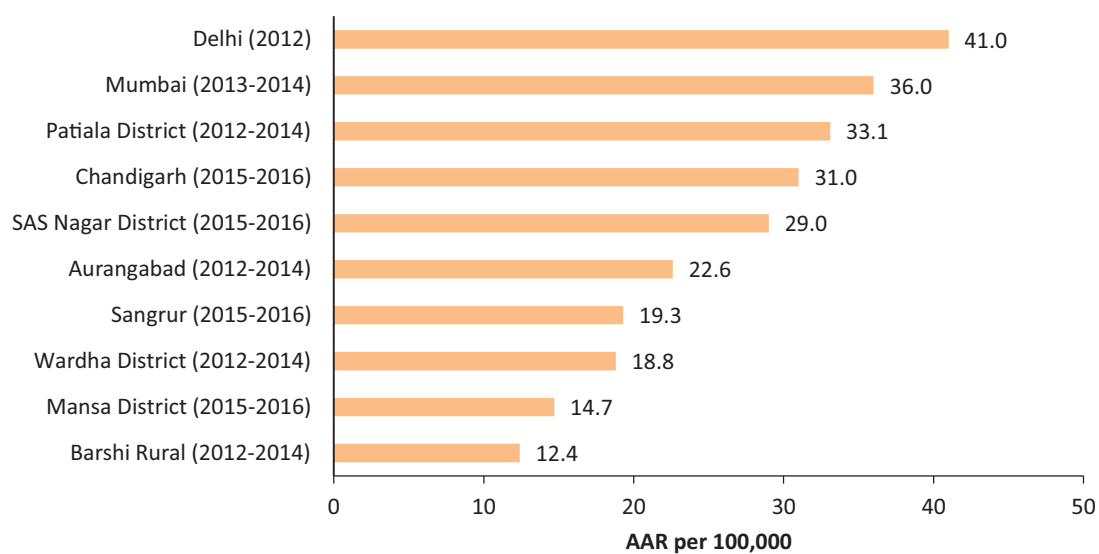


Figure 17: Comparison of Breast Cancer Incidence Rate with Other Indian Registries



Cancer of Cervix Uteri (C53) (2015-2016)

Number of Cases	138
% to Total Cases	12.2
Crude Incidence Rate per 100,000	8.4
Age-Adjusted Incidence Rate per 100,000	8.4
Truncated Rate per 100,000	22.2

Figure 18: Age-Specific Incidence Rate of Cancer of Cervix Uteri

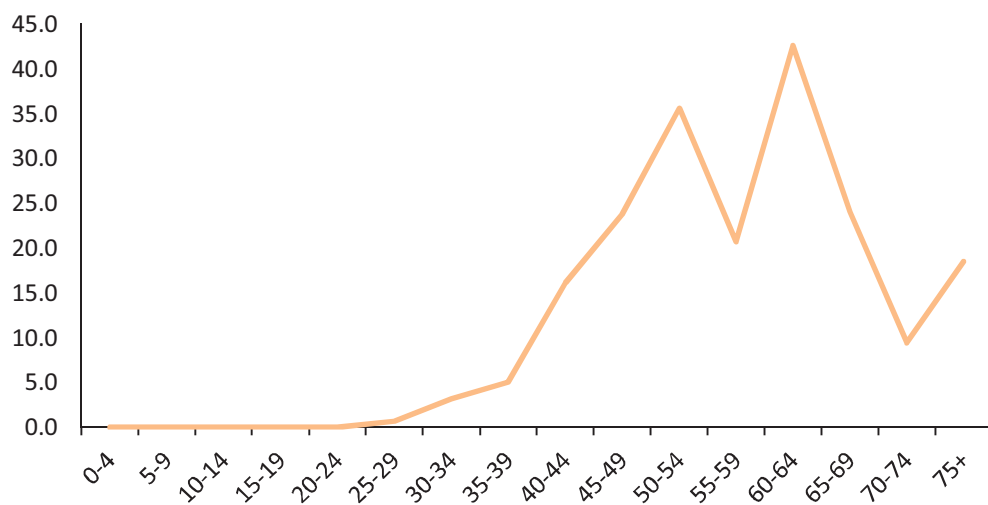
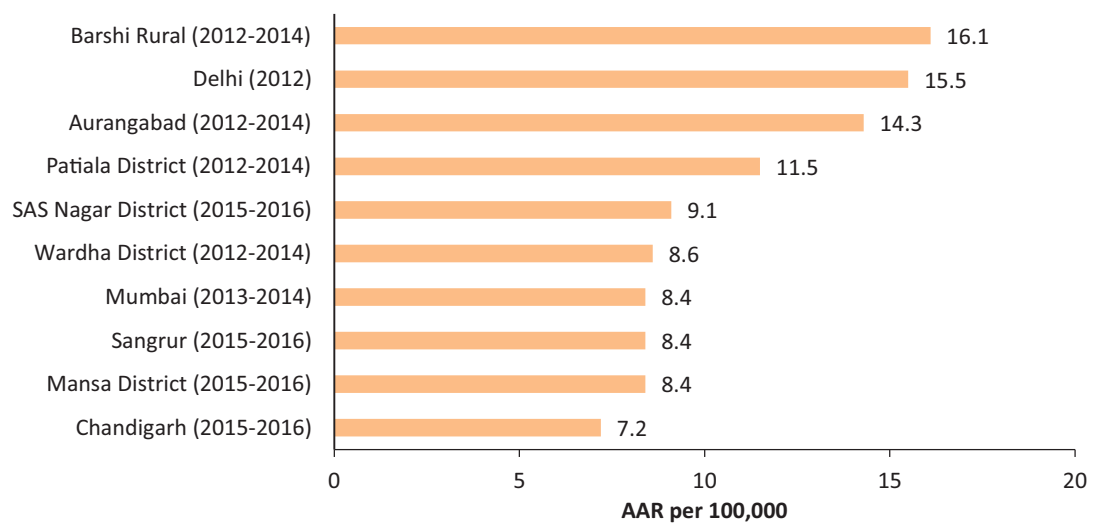


Figure 19: Comparison of Cervix Uteri Cancer Incidence Rate with Other Indian Registries



Cancer of Ovary (C56) (2015-2016)

Number of Cases	70
% to Total Cases	6.2
Crude Incidence Rate per 100,000	4.3
Age-Adjusted Incidence Rate per 100,000	4.3
Truncated Rate per 100,000	9.8

Figure 20: Age-Specific Incidence Rate of Cancer of Ovary

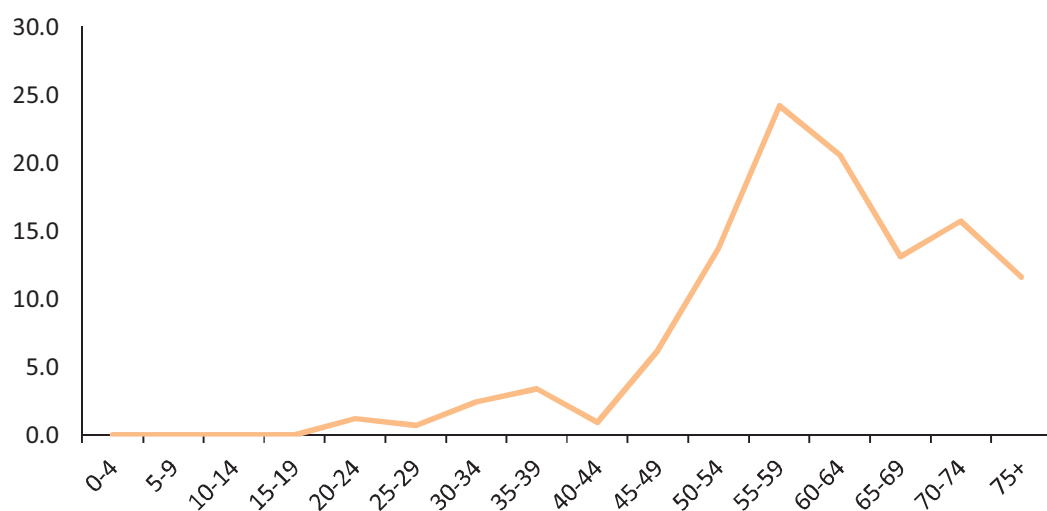
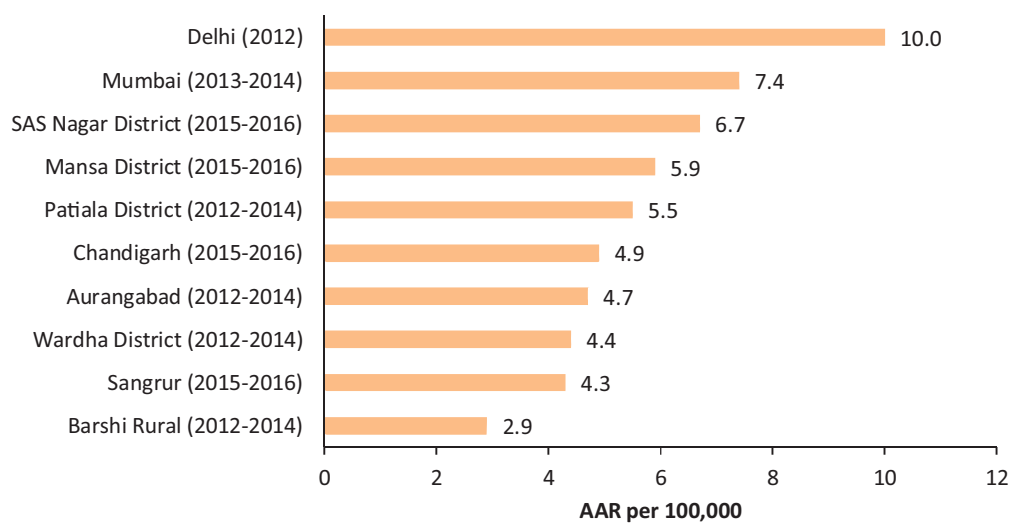


Figure 21: Comparison of Ovary Cancer Incidence Rate With Other Indian Registries



Cancer of Gall Bladder (C23-C24) (2015-2016)

	Male	Female
Number of Cases	27	61
% to Total Cases	2.5	5.4
Crude Incidence Rate per 100,000	1.5	3.7
Age Adjusted Incidence Rate per 100,000	1.6	3.7
Truncated Rate per 100,000	3.3	8.5

Figure 22: Age-Specific Incidence Rate of Cancer of Gall Bladder

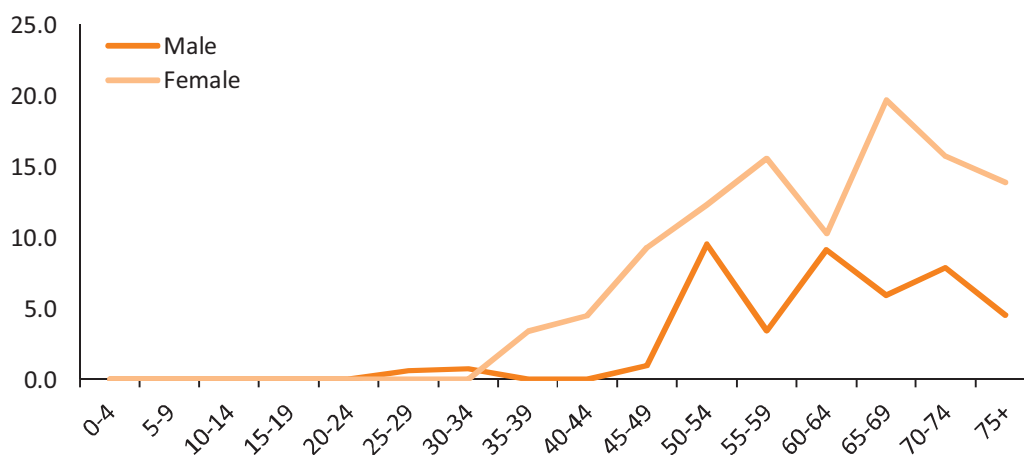


Figure 23: Comparison of Gall bladder Cancer Incidence Rate With Other Indian Registries

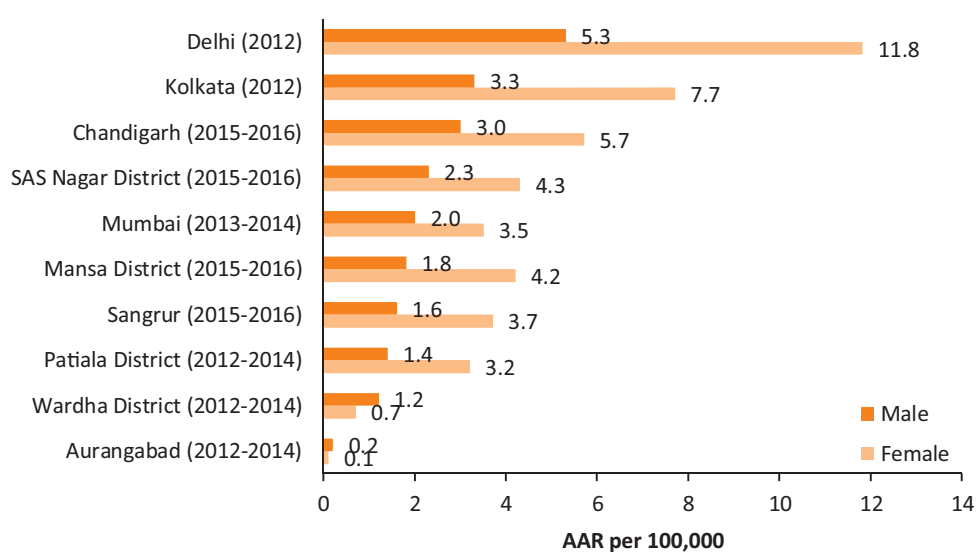


Figure 24: Age-specific Incidence and Mortality Rate – Male All Sites (2015-2016)

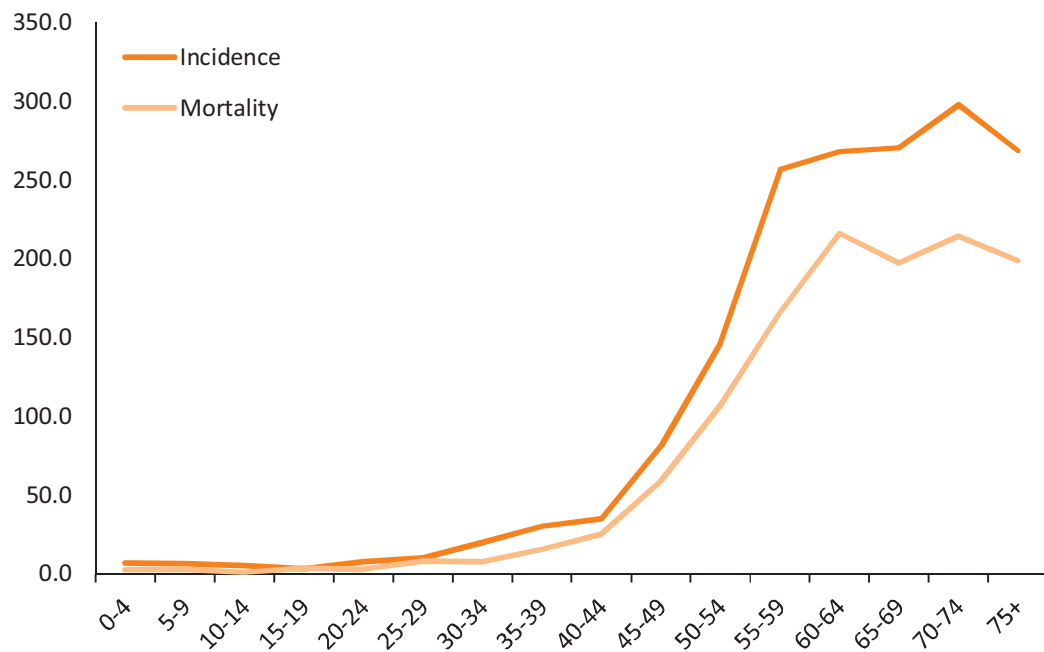
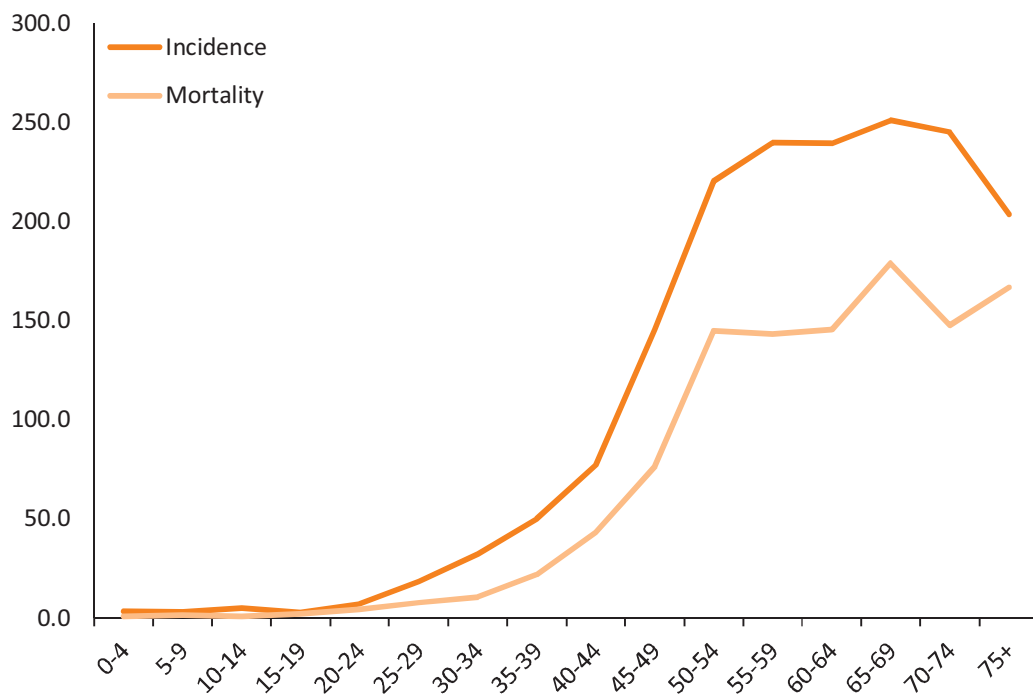


Figure 25: Age-Specific Incidence and Mortality Rate – Female All sites (2015-2016)



Other and Unspecified Sites

The Other and Unspecified cancer sites refer to the following cancer types:

C26	Other and Ill-Defined Digestive Organ,	C77	Secondary and Unspecified Malignant Neoplasm of Lymph Node
C39	Other and Ill-Defined Sites Within Respiratory Systems and Intrathoracic Organ	C78	Secondary Malignant Neoplasm of Respiratory and Digestive Organs,
C48	Retro Peritoneum and Peritoneum,	C79	Secondary Malignant Neoplasm of Other and Unspecified Sites,
C75	Other Endocrine Glands and Related Structures,	C80	Malignant Neoplasm Without Specification of Site
C76	Other and Ill-Defined, Secondary and Unspecified sites	C97	Malignant Neoplasm of Independent (Primary) Multiple sites

In males, out of 1075 cases, 125 cases are of Other and Unspecified sites. The predominant cases are C80 – Primary Unknown (9.2%), followed by C76 – Other and Ill-defined Sites (1.0%), and Other Sites (1.4%). In females, out of 1128 cases, 70 cases are of Other and Unspecified Sites. The predominant cases are C80 – Primary Unknown (4.9%), followed by C76 – Other and Ill-defined Sites (0.7%), and Other Sites (0.8% cases). The details are presented in Table 11.

Due to improvement in the diagnostic and treatment facility, the percentage of the Primary Site Unknown will be decreased.

Table 11: Other and Unspecified Cases By Sex

ICD	Male		Female	
	Number	%	Number	%
C26	1	0.1	1	0.1
C48	4	0.4	3	0.3
C75	1	0.1	1	0.1
C76	11	1.0	8	0.7
C77	9	0.8	4	0.4
C78	0	0.0	0	0.0
C79	0	0.0	0	0.0
C80	99	9.2	53	4.7
Total	125/1075	11.6/100	70/1128	6.2/100

Cancer of Other and Unspecified (C26, C39, C48, C75, C76, C77, C78, C79, C80, C97) (2015-2016)

	Male	Female
Number of Cases	125	70
% to Total Cases	11.6	6.2
Crude Incidence Rate per 100,000	6.7	4.3
Age Adjusted Incidence Rate per 100,000	7.1	4.2
Truncated Rate per 100,000	12.5	7.5

Figure 26: Age Specific Incidence Rate of Other and Unspecified

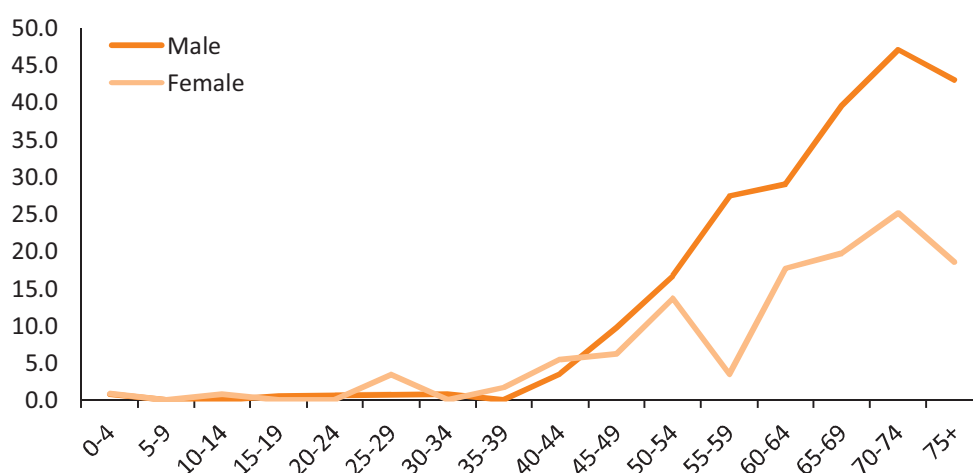
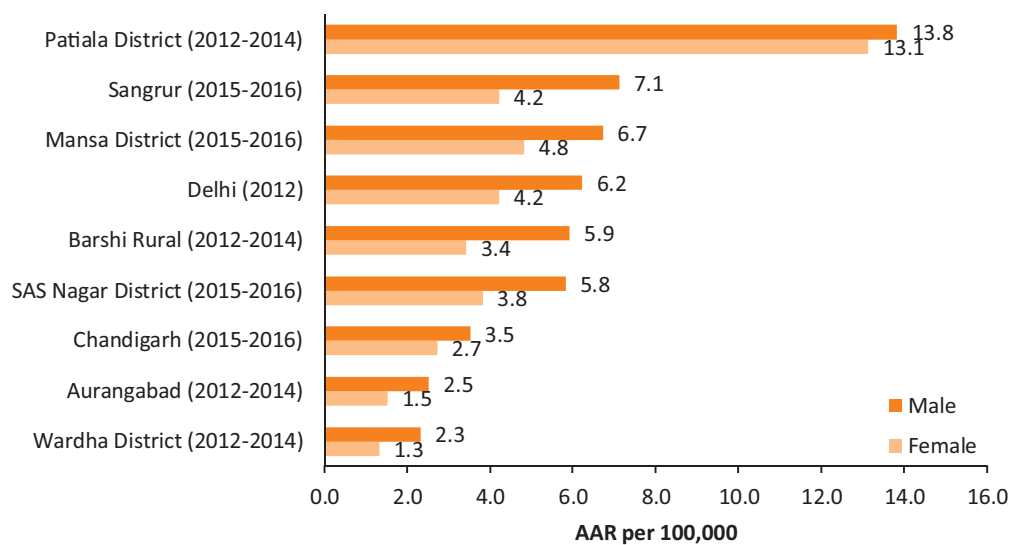


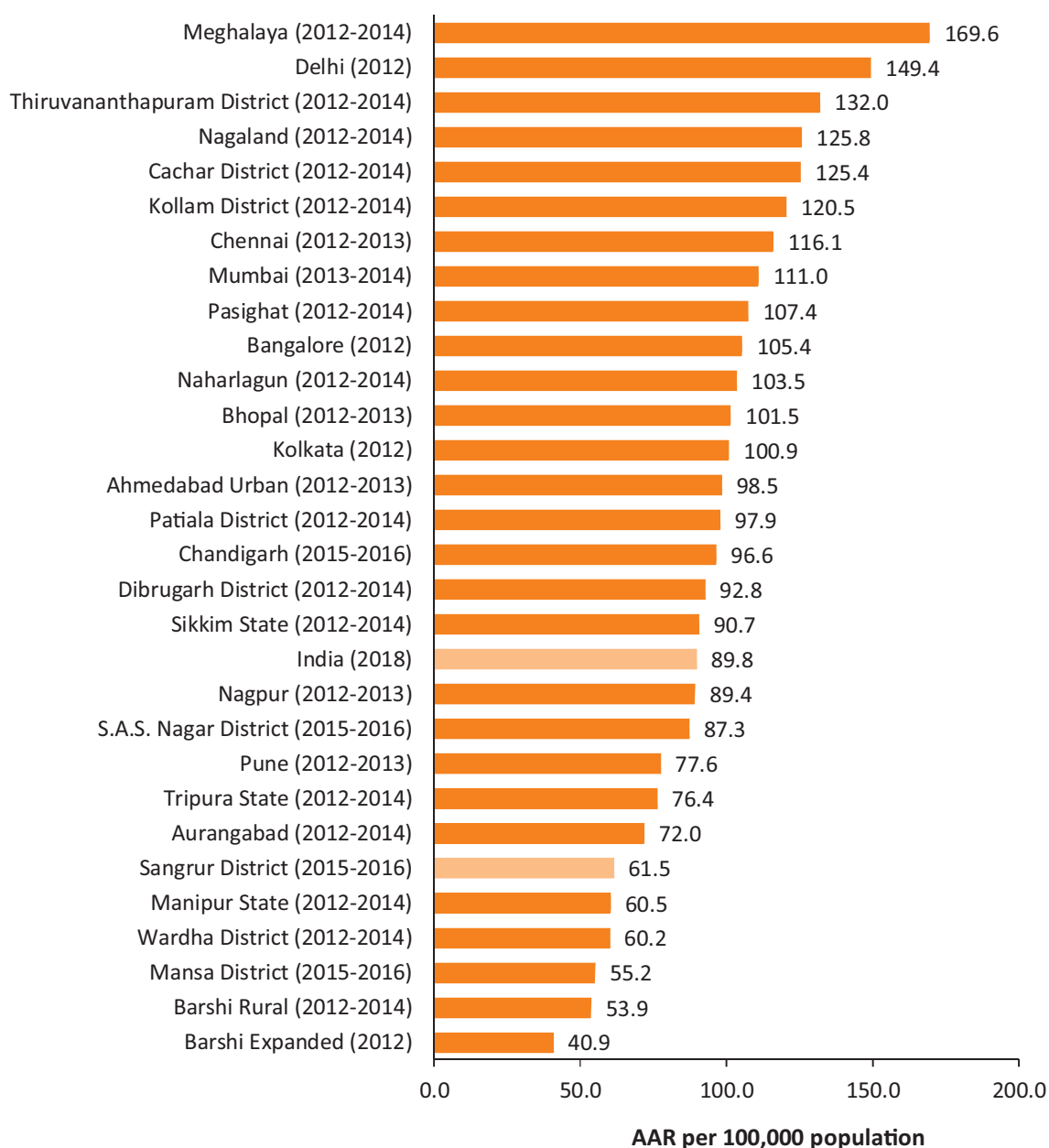
Figure 27: Comparison of Other and Unspecified Cancer Site Incidence Rate With Other Indian Registries



11. Comparison of Cancer Incidence Rate with Other Indian Registries

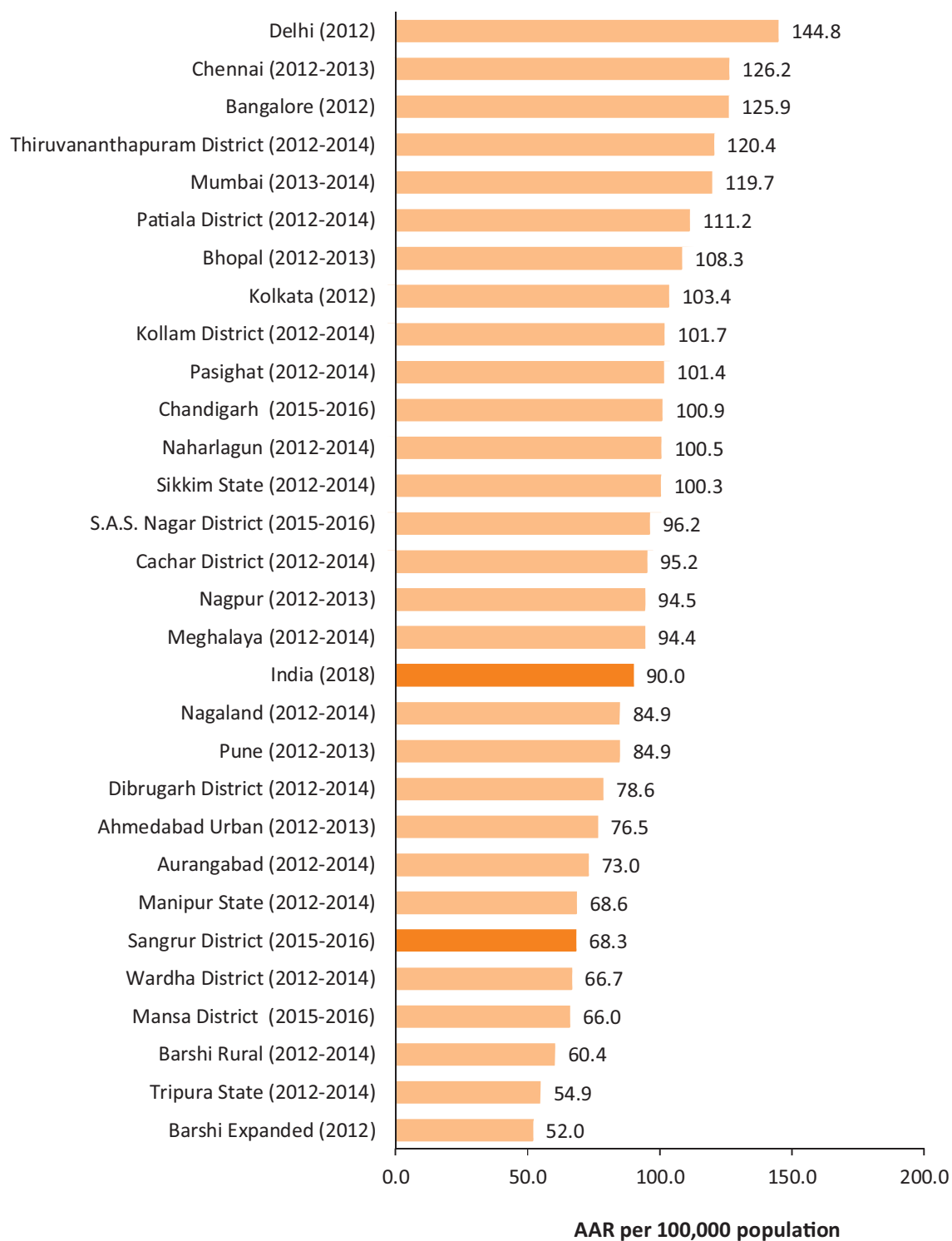
The age-adjusted incidence rate for all cancer sites for both sexes for the year 2015-2016 was compared with other Indian PBCRs in Figures 28 and 29. The cancer incidence rate of Sangrur district is lower than in urban areas and it is comparable with other rural cancer registries in the country.

Figure 28: Age-Adjusted Incidence Rate of All Cancer Sites in Males



Reference: 1, 10 to 14.

Figure 29: Age-adjusted incidence Rate of All Cancer Sites in Females



Reference: 1, 10 to 14.

12. Early Detection Program for Oral, Breast and Cervical Cancer in Sangrur District of Punjab State

In the annual report of the Sangrur population-based cancer registry, it was recommended to start the cancer prevention program in the Sangrur district population. Based on this recommendation, we have started an early detection program for Oral, Breast and Cervical Cancer in Sangrur district of Punjab State. In this program, we are providing intensive health education on the risk factors, preventive measures of the disease, and easy access to diagnosis and treatment to the symptomatic or likely cases.

We expect that breast, oral, and cervical cancer cases will be detected at an early stage and most of the cases will complete the treatment. The program is monitored by the population-based cancer registry Sangrur. In this program, we have selected the staff locally and they have been given training by the faculty of HBCH, Sangrur and TMC, Mumbai.

Under this program, we have covered the villages listed below. In the following area, we have conducted house to house survey, baseline awareness survey, and health education programme for the community as well for the school children. The medical officer along with the nursing team has conducted a cancer detection camp.

Cancer detection camp was organised in the villages and Sangrur urban area:

Village Name		Sangrur Urban Area
Sakrodi	Gharachon	Ward No. 06
Harditpura	Jhaneri	Ward No. 07
Harkishanpura	Batriana	Ward No. 10
Roshanwala	Lakhewal	Ward No. 11
Kheri Chandwan	Phaguwala	Ward No. 15
Sajuma	Battiwal Kalan	Ward No. 16
Sanghreri	Akberpur	Ward No. 18
Santokhpura	Nandgarh(Thaman Singh Wala)	Ward No. 20
Village Name		
Rampura	Mattran	
Jolian	Nadampur	

Cancer awareness meetings in schools:

School name	Number of students
Govt. High Sec. School, Bhatiwala Kalan	150
Govt. Sen. Sec. School, Sakrodi	150
Govt. Prim & Sec. School, Rampura	70
Govt. Sen. Sec. School, Jhaneri	65
Govt. Sen. Sec. School, Batriana	70
Govt. Sen. Sec. School, Phaguwala	55
Govt. Sen. Sec. School, Akberpur	50
Govt. Girls School, Sangrur	200
Khalsa School, Sangrur	80
Prem Sabha Sen. Sec. School, Sangrur	200
Prem Sabha Shishu Niketan School, Sangrur	90
Arya Samaj School, Sangrur	60
Total	1240

Moreover, after the health talk, we conducted a drawing competition for the school children. Students were encouraged to draw a picture that gives the message of cancer prevention. Students were cherished with prizes and certificates.

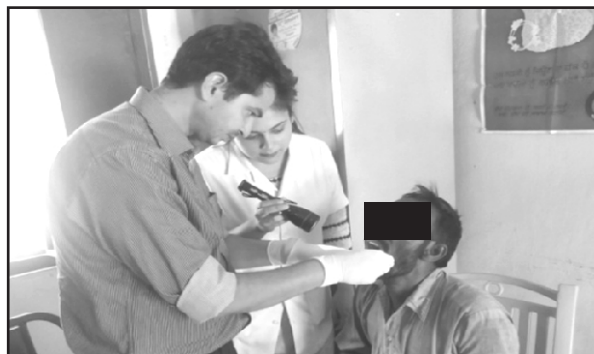


Cancer awareness poster prepared by school children

Detection clinic in the village/ ward:



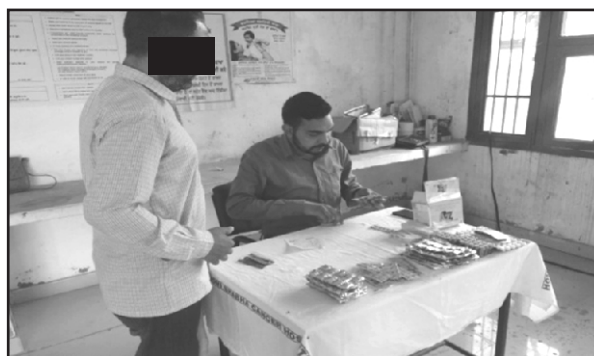
Registration at field clinic



Oral visual examination by Surgeon



Medical consultation by female Medical Officer



Free medicine distribution

Results:

11000 houses have been covered (Population 45,100). We have conducted 16 cancer awareness meetings. 45 community leaders visited the hospital and become aware of the facilities available in the Sangrur hospital. More than 500 symptomatic cases attended the detection clinic organised at the doorstep of the population. Out of these, 154 cases were screen positive. 14 precancerous cases were diagnosed and prevented. We have diagnosed 4 Leukoplakia, 1 mild dysplasia, 1 oral cancer cases, 1 breast cancer case and four CIN I and one CIN II case. Moreover, 3 cancer cases were diagnosed and these are under regular follow-up at Homi Bhabha Cancer Hospital, Sangrur.

13. Cancer Trends in Sangrur District

- The all site cancer incidence trends for males and females have increased. The increased cancer incidence trend indicates an improved cancer registration process. Initially, there is a possibility of under registration. Continuous efforts towards proper documentation and establishment of HBCH, Sangrur have greatly improved the cancer registration process.
- For males, the oesophagus cancer trend is showing more of a stable incidence.
- The breast cancer incidence is showing increasing trends throughout 2013 – 2016.
- The cervix cancer incidence is showing a declined trend till 2015 and it is again increasing in 2016 that may be due to improvement in the diagnostic facilities at Sangrur.

Figure 30: All sites cancer (C00 – C97) trend in Sangrur district

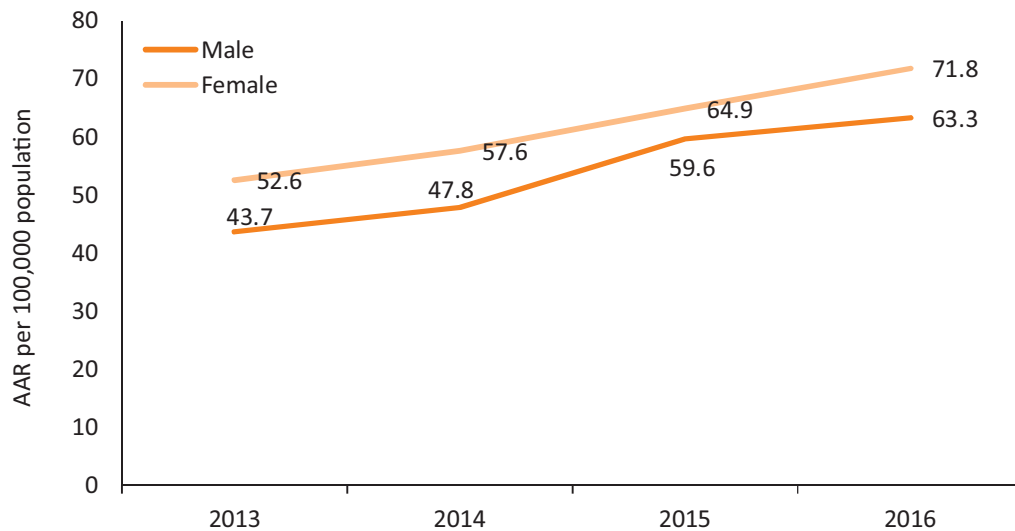


Figure 31: Oesophagus cancer trend in Sangrur district

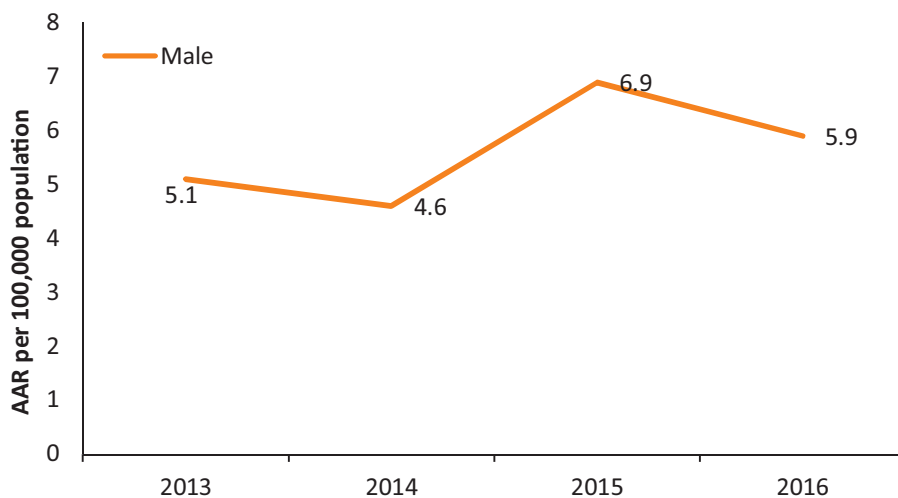


Figure 32: Breast cancer trend in Sangrur district: Female

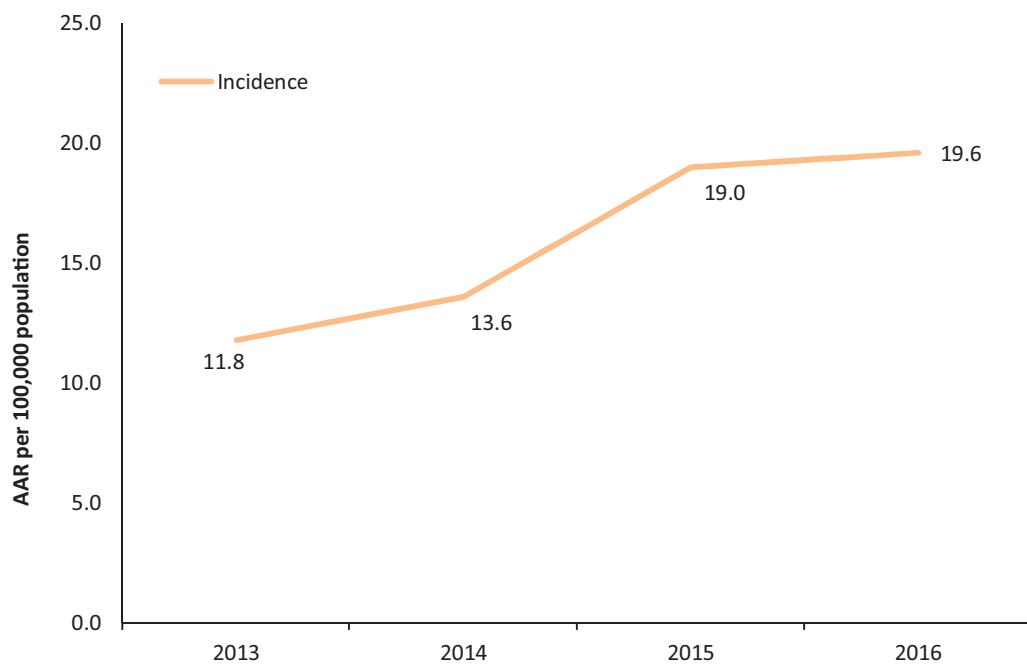
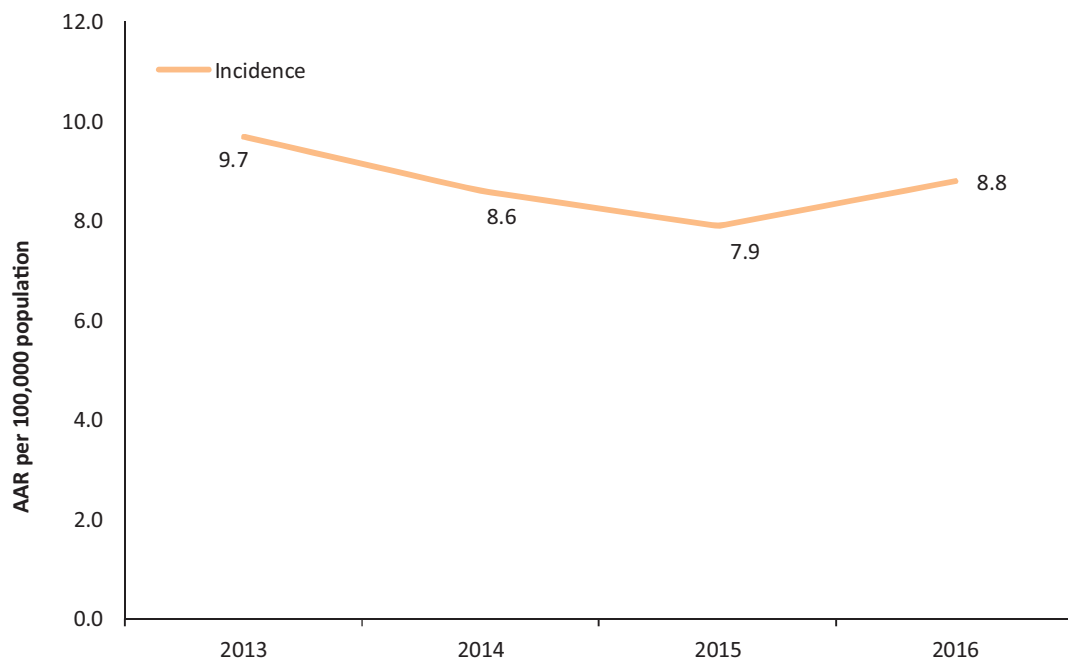


Figure 33: Cervix Uteri cancer trend in Sangrur district



14. Sociodemographic Information

The Sangrur district cancer registry staff interacted with cancer patients or their relatives and gathered socio-demographic information. Based on the information collected, in Sangrur district, cancer cases were highest among the Sikh community (71.9%). Moreover, cancer cases were more among Illiterate population [n= 1205, (54.7%)]. Among the Illiterate population, cancer cases are more among females [690 (61.2%) out of 1205 cancer cases] than males. Furthermore, in terms of occupation, cancer cases were more commonly found among housewives and farmers respectively 46.5% and 19.7%. The number of cancer cases was more among the population with income less than Rs. 30,000/- per month. The details of the same are presented in table 12 to 15.

Table 12: Cancer cases by education and sex

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	515	47.9	690	61.2	1205	54.7
Literate	59	5.5	52	4.6	111	5.0
Primary (1to 7std)	140	13.0	161	14.3	301	13.7
Secondary (8 to 10 std)	227	21.1	138	12.2	365	16.6
Technical after 10 th	41	3.8	24	2.1	65	3.0
College	55	5.1	32	2.8	87	3.9
Post Graduate	24	2.2	24	2.1	48	2.2
Other	1	0.1	2	0.2	3	0.1
Not applicable to children	13	1.2	5	0.4	18	0.8
Total	1075	100	1128	100	2203	100

Table 13: Cancer cases by religion and sex

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Hindu	214	19.9	188	16.7	402	18.2
Muslim	131	12.2	79	7.0	210	9.5
Sikh	727	67.6	858	76.1	1585	71.9
Other	3	0.3	3	0.3	6	0.3
Total	1075	100	1128	100	2203	100

Table 14: Cancer cases by Income and sex

Income	Male		Female		Total	
	Number	%	Number	%	Number	%
=> 30375	59	5.5	51	4.5	110	5.0
15188-30374	123	11.4	118	10.5	241	10.9
11362-15187	254	23.6	281	24.9	535	24.3
7594-11361	391	36.4	433	38.4	824	37.4
4556-7593	209	19.4	183	16.2	392	17.8
1521-4555	27	2.5	40	3.5	67	3.0
<= 1520	1	0.1	3	0.3	4	0.2
Unknown/No information	11	1.0	19	1.7	30	1.4
Total	1075	100	1128	100	2203	100

Table 15: Cancer cases by Occupation and sex

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Professional	7	0.7	3	0.3	10	0.5
Semi-professional	6	0.6	0	0.0	6	0.3
Clerical, Shop-owner	66	6.1	5	0.4	71	3.2
Farmer	430	40.0	5	0.4	435	19.7
Skilled worker	40	3.7	2	0.2	42	1.9
Semi-skilled worker	22	2.0	1	0.1	23	1.0
Unskilled worker	275	25.6	26	2.3	301	13.7
Unemployed	3	0.3	1	0.1	4	0.2
Student	36	3.3	15	1.3	51	2.3
House-wife	0	0.0	1025	90.9	1025	46.5
Govt. Employee	97	9.0	25	2.2	122	5.5
Pvt. Employee	23	2.1	9	0.8	32	1.5
Other	67	6.2	10	0.9	77	3.5
Not applicable to children	3	0.3	1	0.1	4	0.2
Total	1075	100	1128	100	2203	100

15. Cancer Survival Studies Undertaken

Sangrur PBCR regularly updates the follow-up status of the cancer cases diagnosed. We have undertaken survival studies of the Oesophagus, Breast, Cervix Uteri and Prostate cancer cases diagnosed in 2013-2016. The date of the diagnosis is the starting date and the last date of follow up is 31st December 2019 or date of death.

Due to regular village visits and community interaction, we have 100% available follow-up status for the oesophagus, breast, cervix uteri and prostate cancer. We are in the process of analyzing the data. The other cancer sites (Ovary, Gall bladder, NHL and Lung) follow-up is in process.

For the 2013-2016 cancer cases, the follow-up status as on 31st December 2019 shows out of 372 total oesophagus cancer cases 23 (6.2%) patients are alive while 348 (93.5%) are dead. Out of 551 breast cancer cases, 300 (54.4%) patients are alive while 247 (44.8%) are dead. Similarly, out of 284 cervix uteri cancer cases, 111 (39.1%) patients are alive while 173 (60.9%) patients are dead. Out of the total 126 prostate cancer cases, 36 patients are alive (28.6%) while 90 (71.4%) patients have died.

We will publish the survival results soon.

Table 16: Cancer cases registered in the period 2013-2016 and their follow up status

Cancer Site	No. of cases (2013-2016)	Follow-up status as on 31 st December, 2019					
		Alive		Death		Migrated	
		No.	%	No.	%	No.	%
Oesophagus	372	23	6.2	348	93.5	1	0.3
Breast	551	300	54.4	247	44.8	4	0.7
Cervix Uteri	284	111	39.1	173	60.9	0	--
Prostate	126	36	28.6	90	71.4	0	--

16. Under Registered / Under Diagnosed Cases

There may be under registration or under-diagnosis of cancer incidence and mortality cases. We may have missed the clinically diagnosed cases. The registry team needs more interactions with clinicians from the medical colleges in Faridkot, Patiala, Chandigarh, and Ludhiana.

Under registration or diagnosis occurs mainly in the age group of 65 and older due to reduced access to health care for the elderly. The truncated rate in males is reported as 119.6 per 100,000 and age-adjusted rate as 61.5 per 100,000. Most of the cases are registered in the age group 35 to 69. In females, the truncated rate is 150.0 per 100,000 and the age-adjusted rate is 68.3 per 100,000. There may under-diagnosis /under-reporting in the older age group.

Due to continuous interactions in the villages, we have a feeling that we may have missed very few cancer cases in the rural area. However, under registration may have been more likely in the urban population because it was difficult to cover the population without the help of the community leaders.

17. Hurdles in Establishing the Rural Cancer Registry

The cancer registry should be located in the area where diagnostic and treatment facilities are available in the district. It was a difficult task to establish the cancer registry in an area where patients travel to several places for cancer treatment. However, due to continuous interactions with the community and consistent efforts, we were able to get information on the cancer cases. In the initial period, five trained staff left the job. We appointed new staff and trained them. The selected staff members were provided training at TMC, PGI, Barshi and Mumbai PBCR.

A few hospitals demanded a fresh request letter for asking permission to collect the data at every visit. We arranged a fresh letter for every visit to those hospitals. We spent a lot of time meeting hospital authorities. A few hospitals provided the cancer patient list with only minimum information and they did not allow us to go through their medical records. A few patients' relatives refused to provide information due to social issues. Moreover, there is limited infrastructure in the civil hospital. The registry staff has to depend on the other sources for basic facilities. Several times ANM, ASHA Workers, and PHC staff were busy in their activities; therefore, we had to wait until they finished their regular duties.

Regardless of hurdles mentioned above, our continued interactions with the community and consistent efforts and the collaboration of TMC, Mumbai; PGIMER, Chandigarh and Government of Punjab, we were able to get information on the cancer cases.

18. Description of Statistical Terms Used

Incidence: Cancer incidence denotes new cancer cases diagnosed in a defined population in a specified period. For this report, all cancer cases diagnosed from January 1, 2015, to December 31, 2016 in Sangrur district have been included.

Mortality: Cancer mortality is defined as the number of cancer deaths occurring in a defined population, in a defined geographic area, during a particular year(s) per 100,000 population. All cancer deaths between January 1, 2015 and December 31, 2016 in Sangrur district have been included.

Rates: Rates for cancer are always expressed per 100,000 population.

Crude Incidence Rate: The crude incidence is the rate at which new cases occur in a population during a specific period.

$$CR = \frac{\text{Number of new cancer cases observed in the period 2015-2016}^*}{\text{Estimated population of the same year}} \times 100000$$

This rate is also called the crude rate because it relates to each population as a whole and is influenced by the age structure of each population. Since it is 2-year data the CR is divided by two.

Age-Specific Rate: This refers to the rate obtained by the division of the total number of cancer cases by the corresponding estimated population in that age group and sex/site/geographic area/ period and multiplying by 100,000.

Age-Adjusted or Age Standardized Rate (AAR): Age adjustment is a statistical method that corrects for the changing age distribution of the population and allows comparisons to be made in the adjusted rates between different population sub-groups over time.

Truncated Rates: This is similar to the age-adjusted rate except that it is calculated to the truncated age group 35-64 years of age.

19. Standard Registry Tables

Table 17: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2015-2016 – Males
 % = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	-	5	0.5
C01-C02	Tongue	-	-	-	-	-	-	1	3	4	6	7	10	15	4	6	3	59	5.5
C03-C06	Mouth	-	-	-	-	-	-	1	1	2	5	10	7	6	7	3	4	46	4.3
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	1	1	2	1	1	-	2	9	0.8
C09	Tonsil	-	-	-	-	-	-	-	1	1	-	3	2	3	2	1	2	15	1.4
C10	Other Oropharynx	-	-	-	-	-	-	-	1	1	-	4	4	3	1	3	2	19	1.8
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	1	-	3	-	1	1	-	6	0.6
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	2	2	1	7	5	4	2	23	2.1
C14	Pharynx Unspecified	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2	0.2
C15	Oesophagus	-	-	-	-	-	2	3	5	6	12	15	14	14	16	11	15	113	10.5
C16	Stomach	-	-	-	-	-	-	2	1	2	2	3	5	7	1	1	2	26	2.4
C17	Small Intestine	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.1
C18	Colon	-	-	-	-	-	-	1	2	2	1	-	2	2	-	-	4	14	1.3
C19-C20	Rectum	-	-	-	-	-	1	1	1	1	1	2	3	5	-	1	-	16	1.5
C21	Anus & Anal Canal	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	0.2
C22	Liver	-	-	-	-	-	1	-	2	2	8	10	11	12	12	5	7	70	6.5
C23-C24	Gall Bladder	-	-	-	-	-	1	1	-	-	1	8	2	6	3	3	2	27	2.5
C25	Pancreas	-	-	-	-	-	-	-	1	-	2	5	4	6	5	3	1	27	2.5
C30-C31	Nose, sinuses etc.	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	3	0.3
C32	Larynx	-	-	-	-	-	-	-	3	1	5	3	13	8	12	5	3	53	4.9
C33-C34	Lung	-	-	-	-	1	-	1	2	1	5	6	12	11	7	7	4	57	5.3
C37-C38	Other Thoracic organ	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C40-C41	Bone	-	-	1	1	2	-	1	1	1	-	1	3	2	-	-	1	14	1.3
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.1
C44	Other Skin	-	-	-	-	-	-	1	1	-	1	4	4	2	3	2	4	22	2.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	1	-	2	-	-	1	1	1	1	1	-	1	2	1	-	12	1.1
C50	Breast	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	4	0.4
C60	Penis	-	-	-	-	-	1	-	-	-	3	-	-	6	2	1	3	16	1.5
C61	Prostate	-	-	-	-	-	-	-	-	-	1	2	4	10	13	20	19	69	6.4
C62	Testis	-	-	-	-	2	1	2	1	-	-	1	-	-	-	-	-	7	0.7
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney ect.	-	1	-	-	1	-	1	-	1	2	2	3	4	2	1	2	20	1.9
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	1	2	2	6	6	4	4	7	4	36	3.3
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0.2
C70-C72	Brain, NS	-	1	2	1	-	4	-	-	1	-	2	4	-	1	2	-	18	1.7
C73	Thyroid	-	-	-	-	1	-	-	-	-	-	1	1	2	-	1	-	6	0.6
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	2	1	-	1	1	-	-	-	-	-	-	-	5	0.5
C82-C85, C96	NHL	2	2	-	-	1	-	4	2	2	2	3	5	5	5	-	1	31	2.9
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	1	1	5	5	-	1	2	15	1.4
C91	Lymphoid Leuk.	4	3	3	2	2	-	1	-	1	3	1	1	2	4	-	2	29	2.7
C92-C94	Myeloid Leukemia	1	-	2	-	-	1	3	2	2	3	1	2	2	1	3	2	25	2.3
C95	Leukemia Uns	1	3	1	-	1	1	-	3	-	1	4	1	3	-	1	4	24	2.2
Other & Unspecified*		1	-	-	1	1	1	1	-	4	10	14	16	19	20	18	19	125	11.6
Total		10	11	10	7	15	16	26	37	40	84	123	150	176	137	114	119	1075	100.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 18: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2015-2016
Females Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	1	-	-	-	2	2	4	1	-	4	14	1.2
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	1	2	-	5	3	1	2	14	1.2
C07-C08	Salivary gland	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	1	4	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	3	0.3
C10	Other oropharynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.1
C11	Nasopharynx	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	3	0.3
C12-C13	Hypopharynx	-	-	-	-	1	-	-	1	-	3	2	1	2	-	-	-	10	0.9
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	1	-	1	1	9	9	8	11	16	11	8	10	85	7.5
C16	Stomach	-	-	-	-	-	-	1	-	1	1	3	2	3	3	-	4	18	1.6
C17	Small intestine	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	4	0.4
C18	Colon	-	-	-	-	-	-	1	1	2	2	3	2	1	1	1	-	14	1.2
C19-C20	Rectum	-	-	-	-	-	1	1	-	-	1	-	3	-	1	-	-	7	0.6
C21	Anus	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	3	0.3
C22	Liver	-	-	-	-	-	-	-	-	-	4	3	-	3	2	-	2	14	1.2
C23-C24	Gall Bladder	-	-	-	-	-	-	-	4	4	9	9	9	7	9	4	6	61	5.4
C25	Pancreas	-	-	-	1	-	-	-	2	-	3	5	4	5	1	1	2	24	2.1
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.2
C32	Larynx	-	-	-	-	-	-	-	-	-	-	1	3	2	-	-	1	7	0.6
C33-C34	Lung	-	-	-	-	-	-	1	-	1	1	3	3	4	1	4	3	21	1.9
C37-C38	Other Thoracic organ	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.1
C40-C41	Bone	-	-	1	1	2	1	1	2	-	-	-	-	2	1	1	1	13	1.2
C43	Melanoma of skin	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	2	0.2
C44	Other skin	-	-	-	-	-	-	-	1	-	1	1	-	2	-	5	4	14	1.2
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	1	1	-	-	-	2	-	1	-	1	3	-	1	1	-	11	1.0
C50	Breast	-	-	-	-	1	9	16	21	29	46	54	42	27	34	24	13	316	28.0
C51	Vulva	-	-	-	-	-	-	-	-	-	1	-	-	-	3	3	2	9	0.8
C52	Vagina	-	-	-	-	-	-	-	-	-	2	1	-	2	-	2	1	8	0.7
C53	Cervix Uteri	-	-	-	-	-	1	4	6	18	22	25	12	29	11	3	7	138	12.2
C54	Corpus Uteri	-	-	-	-	-	-	-	-	2	4	2	6	4	4	3	1	26	2.3
C55	Uterus unspecified	-	-	-	-	-	1	-	-	1	-	-	1	-	-	-	-	3	0.3
C56	Ovary etc.	-	-	-	-	2	1	3	4	1	5	1-	14	14	6	5	5	70	6.2
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	1	-	1	-	-	-	1	2	1	1	-	3	1	-	-	2	13	1.2
C65	Renal Pelvis	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2	0.2
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	3	1	-	-	5	1	1	2	13	1.2
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	0.2
C70-C72	Brain, NS	1	1	1	-	-	1	1	2	1	5	-	3	1	-	-	1	18	1.6
C73	Thyroid	-	-	-	-	1	3	3	3	1	4	5	-	2	3	-	2	27	2.4
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	3	-	-	-	-	-	2	2	-	-	1	1	9	0.8
C82-C85, C96	NHL	-	1	-	-	1	-	1	1	1	4	2	3	1	2	1	2	20	1.8
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	1	1	2	-	-	-	5	0.4
C91	Lymphoid Leuk.	1	1	-	1	-	-	-	-	-	-	-	-	-	3	-	-	6	0.5
C92-C94	Myeloid Leukemia	-	-	1	1	-	2	1	1	-	3	2	1	4	1	-	-	17	1.5
C95	Leukemia Uns	-	-	-	-	-	1	-	2	1	-	-	-	1	1	-	-	6	0.5
Other & Unspecified*		1	-	1	-	-	5	-	2	6	6	10	2	12	9	8	8	70	6.2
	Total	4	4	7	4	12	27	40	59	86	141	161	139	163	115	78	88	1128	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 19: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 Population: 2015-2016 – Males Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	1.7	1.5	3.9	2.6	-	0.3	0.3	0.4
C01-02	-	-	-	-	-	-	0.8	2.4	3.5	5.8	8.3	17.1	22.9	7.9	15.7	6.8	3.2	3.5	8.8
C03-06	-	-	-	-	-	-	0.8	0.8	1.7	4.8	11.9	12.0	9.1	13.8	7.8	9.0	2.5	2.7	6.1
C07-C08	-	-	-	-	-	-	-	-	0.9	1.0	1.2	3.4	1.5	2.0	-	4.5	0.5	0.5	1.2
C09	-	-	-	-	-	-	-	0.8	0.9	-	3.6	3.4	4.6	3.9	2.6	4.5	0.8	0.9	1.9
C10	-	-	-	-	-	-	-	0.8	0.9	-	4.8	6.8	4.6	2.0	7.8	4.5	1.0	1.1	2.6
C11	-	-	-	-	-	-	-	-	-	1.0	-	5.1	-	2.0	2.6	-	0.3	0.4	0.8
C12-C13	-	-	-	-	-	-	-	-	-	1.9	2.4	1.7	10.7	9.9	10.4	4.5	1.2	1.3	2.4
C14	-	-	0.5	-	-	-	-	-	-	-	-	-	1.5	-	-	-	0.1	0.1	0.2
C15	-	-	-	-	-	1.3	2.3	4.1	5.2	11.6	17.8	24.0	21.3	31.6	28.7	33.9	6.1	6.4	12.8
C16	-	-	-	-	-	-	1.5	0.8	1.7	1.9	3.6	8.6	10.7	2.0	2.6	4.5	1.4	1.5	3.9
C17	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C18	-	-	-	-	-	-	0.8	1.6	1.7	1.0	-	3.4	3.0	-	-	9.0	0.8	0.7	1.7
C19-C20	-	-	-	-	-	0.6	0.8	0.8	0.9	1.0	2.4	5.1	7.6	-	2.6	-	0.9	0.9	2.5
C21	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	2.3	0.1	0.1	0.2
C22	-	-	-	-	-	0.6	-	1.6	1.7	7.7	11.9	18.8	18.3	23.7	13.1	15.8	3.8	4.1	8.9
C23-C24	-	-	-	-	-	0.6	0.8	-	-	1.0	9.5	3.4	9.1	5.9	7.8	4.5	1.5	1.6	3.3
C25	-	-	-	-	-	-	-	0.8	-	1.9	5.9	6.8	9.1	9.9	7.8	2.3	1.5	1.6	3.6
C30-C31	-	-	-	-	-	0.6	-	-	-	-	1.2	-	1.5	-	-	-	0.2	0.2	0.4
C32	-	-	-	-	-	-	-	2.4	0.9	4.8	3.6	22.3	12.2	23.7	13.1	6.8	2.8	3.2	6.6
C33-C34	-	-	-	-	0.5	-	0.8	1.6	0.9	4.8	7.1	20.5	16.8	13.8	18.3	9.0	3.1	3.3	7.4
C37-C38	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-
C40-C41	-	-	0.5	0.5	1.0	-	0.8	0.8	0.9	-	1.2	5.1	3.0	-	-	2.3	0.8	0.8	1.6
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	0.1	0.1	-
C44	-	-	-	-	-	-	0.8	0.8	-	1.0	4.8	6.8	3.0	5.9	5.2	9.0	1.2	1.2	2.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	0.6	-	1.0	-	-	0.8	0.8	0.9	1.0	1.2	-	1.5	3.9	2.6	-	0.6	0.6	0.9
C50	-	-	-	-	-	-	-	-	-	1.0	-	1.7	-	2.0	-	2.3	0.2	0.2	0.4
C60	-	-	-	-	-	0.6	-	-	-	2.9	-	-	9.1	3.9	2.6	6.8	0.9	0.9	1.7
C61	-	-	-	-	-	-	-	-	-	1.0	2.4	6.8	15.2	25.7	52.2	42.9	3.7	3.7	3.4
C62	-	-	-	-	1.0	0.6	1.5	0.8	-	-	1.2	-	-	-	-	-	0.4	0.3	0.3
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	0.6	-	-	0.5	-	0.8	-	0.9	1.9	2.4	5.1	6.1	3.9	2.6	4.5	1.1	1.1	2.4
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	0.8	1.7	1.9	7.1	10.3	6.1	7.9	18.3	9.0	1.9	2.1	4.1
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	0.1	0.1	-
C70-C72	-	0.6	1.1	0.5	-	2.5	-	-	0.9	-	2.4	6.8	-	2.0	5.2	-	1.0	1.0	1.4
C73	-	-	-	-	0.5	-	-	-	-	-	1.2	1.7	3.0	-	2.6	-	0.3	0.3	0.8
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	1.0	0.6	-	0.8	0.9	-	-	-	-	-	-	-	0.3	0.2	0.3
C82-C85,C96	1.4	1.2	-	-	0.5	-	3.1	1.6	1.7	1.9	2.4	5.1	7.6	9.9	-	2.3	1.7	1.8	3.1
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	1.0	1.2	8.6	7.6	-	2.6	4.5	0.8	0.9	2.5
C91	2.8	1.8	1.6	1.0	1.0	-	0.8	-	0.9	2.9	1.2	1.7	3.0	7.9	-	4.5	1.6	1.7	1.5
C92-C94	0.7	-	1.1	-	-	0.6	2.3	1.6	1.7	2.9	1.2	3.4	3.0	2.0	7.8	4.5	1.3	1.4	2.2
C95	0.7	1.8	0.5	-	0.5	0.6	-	2.4	-	1.0	4.8	1.7	4.6	-	2.6	9.0	1.3	1.3	2.2
O & U*	0.7	-	-	0.5	0.5	0.6	0.8	-	3.5	9.7	16.6	27.4	29.0	39.5	47.0	42.9	6.7	7.1	12.5
Total	6.9	6.7	5.4	3.4	7.9	10.1	19.8	30.2	34.9	81.3	146.2	256.8	268.2	270.4	297.8	269.0	57.8	61.5	119.6

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

**Table 20: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR)
Incidence Rate per 100,000 Population: 2015-2016 – Females Sangrur District**

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	-	-	-	-	-	-	0.8	-	-	-	2.7	3.4	5.9	2.2	-	9.3	0.9	0.8	1.6
C03-C06	-	-	-	-	-	-	-	-	-	1.0	2.7	-	7.3	6.5	3.1	4.6	0.9	0.8	1.6
C07-C08	-	-	0.7	-	-	-	-	-	-	1.0	1.4	-	-	-	-	2.3	0.2	0.2	0.4
C09	-	-	-	-	-	-	-	-	0.9	-	-	-	1.5	2.2	-	-	0.2	0.2	0.4
C10	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	0.1	0.1	0.2
C11	-	-	-	-	-	-	-	0.8	-	-	-	1.7	-	2.2	-	-	0.2	0.2	0.4
C12-C13	-	-	-	-	0.6	-	-	0.8	-	3.1	2.7	1.7	2.9	-	-	-	0.6	0.6	1.8
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	0.6	-	0.8	0.8	8.1	9.3	10.9	19.0	23.5	24.0	25.1	23.1	5.2	5.1	10.8
C16	-	-	-	-	-	-	0.8	-	0.9	1.0	4.1	3.4	4.4	6.5	-	9.3	1.1	1.1	2.0
C17	-	-	-	-	-	-	-	0.8	-	-	-	5.2	-	-	-	-	0.2	0.3	0.8
C18	-	-	-	-	-	-	0.8	0.8	1.8	2.1	4.1	3.4	1.5	2.2	3.1	-	0.9	0.9	2.2
C19-C20	-	-	-	-	-	0.7	0.8	-	-	1.0	-	5.2	-	2.2	-	-	0.4	0.4	0.9
C21	-	-	-	-	-	-	-	-	0.9	-	-	-	1.5	-	3.1	-	0.2	0.2	0.4
C22	-	-	-	-	-	-	-	-	-	4.1	4.1	-	4.4	4.4	-	4.6	0.9	0.9	2.0
C23-C24	-	-	-	-	-	-	-	3.4	3.6	9.3	12.3	15.5	10.3	19.6	12.6	13.9	3.7	3.7	8.5
C25	-	-	-	0.6	-	-	-	1.7	-	3.1	6.8	6.9	7.3	2.2	3.1	4.6	1.5	1.5	3.9
C30-C31	-	-	-	-	-	-	-	-	-	-	1.4	1.7	-	-	-	-	0.1	0.1	0.4
C32	-	-	-	-	-	-	-	-	-	-	1.4	5.2	2.9	-	-	2.3	0.4	0.4	1.3
C33-C34	-	-	-	-	-	-	0.8	-	0.9	1.0	4.1	5.2	5.9	2.2	12.6	6.9	1.3	1.3	2.5
C37-C38	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C40-C41	-	-	0.7	0.6	1.2	0.7	0.8	1.7	-	-	-	-	2.9	2.2	3.1	2.3	0.8	0.7	0.7
C43	-	-	-	-	-	-	0.8	-	-	-	1.4	-	-	-	-	-	0.1	0.1	0.2
C44	-	-	-	-	-	-	-	0.8	-	1.0	1.4	-	2.9	-	15.7	9.3	0.9	0.8	1.0
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	0.8	0.7	-	-	-	1.6	-	0.9	-	1.4	5.2	-	2.2	3.1	-	0.7	0.7	1.1
C50	-	-	-	-	0.6	6.2	12.8	17.7	26.0	47.5	73.8	72.4	39.7	74.2	75.4	30.1	19.2	19.3	44.0
C51	-	-	-	-	-	-	-	-	-	1.0	-	-	-	6.5	9.4	4.6	0.5	0.5	0.2
C52	-	-	-	-	-	-	-	-	-	2.1	1.4	-	2.9	-	6.3	2.3	0.5	0.5	1.0
C53	-	-	-	-	-	0.7	3.2	5.0	16.1	22.7	34.2	20.7	42.6	24.0	9.4	16.2	8.4	8.4	22.2
C54	-	-	-	-	-	-	-	-	1.8	4.1	2.7	10.3	5.9	8.7	9.4	2.3	1.6	1.6	3.7
C55	-	-	-	-	-	0.7	-	-	0.9	-	-	1.7	-	-	-	-	0.2	0.2	0.4
C56	-	-	-	-	1.2	0.7	2.4	3.4	0.9	5.2	13.7	24.1	20.6	13.1	15.7	11.6	4.3	4.3	9.8
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	0.8	-	0.7	-	-	-	0.8	1.7	0.9	1.0	-	5.2	1.5	-	-	4.6	0.8	0.8	1.6
C65	-	-	-	-	-	-	-	0.8	-	-	-	1.7	-	-	-	-	0.1	0.1	0.4
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	2.7	1.0	-	-	7.3	2.2	3.1	4.6	0.8	0.7	1.7
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	2.3	0.1	0.1	0.2
C70-C72	0.8	0.8	0.7	-	-	0.7	0.8	1.7	0.9	5.2	-	5.2	1.5	-	-	2.3	1.1	1.1	2.4
C73	-	-	-	-	0.6	2.1	2.4	2.5	0.9	4.1	6.8	-	2.9	6.5	-	4.6	1.6	1.6	2.9
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	1.8	-	-	-	-	-	2.7	3.4	-	-	3.1	2.3	0.5	0.5	0.9
C82-C85,C96	-	0.8	-	-	0.6	-	0.8	0.8	0.9	4.1	2.7	5.2	1.5	4.4	3.1	4.6	1.2	1.2	2.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	1.0	1.4	1.7	2.9	-	-	-	0.3	0.3	1.0
C91	0.8	0.8	-	0.6	-	-	-	-	-	-	-	-	-	6.5	-	-	0.4	0.4	-
C92-C94	-	-	0.7	0.6	-	1.4	0.8	0.8	-	3.1	2.7	1.7	5.9	2.2	-	-	1.0	1.0	2.2
C95	-	-	-	-	-	0.7	-	1.7	0.9	-	-	-	1.5	2.2	-	-	0.4	0.3	0.7
O & U*	0.8	-	0.7	-	-	3.4	-	1.7	5.4	6.2	13.7	3.4	17.6	19.6	25.1	18.5	4.3	4.2	7.5
Total	3.3	3.0	4.9	2.5	7.1	18.5	32.0	49.7	77.1	145.5	220.1	239.8	239.4	251.0	245.0	203.7	68.6	68.3	150.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 21: Cumulative Rate (Cu. Rate) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD 10) Based On Age-Specific Rates (From 0-64 Years and 0-74 Years) 2015-2016: Males

ICD 10	Sites	0 - 64 Years		0 - 74 Years	
		Cu. Rate	Cu. Risk	Cu. Rate	Cu. Risk
C00	Lip	0.0002	0.0002	0.0005	0.0005
C01-02	Tongue	0.0030	0.0030	0.0042	0.0042
C03-06	Mouth	0.0021	0.0021	0.0031	0.0031
C07-C08	Salivary glands	0.0004	0.0004	0.0005	0.0005
C09	Tonsil	0.0007	0.0007	0.0010	0.0010
C10	Other Oropharynx	0.0009	0.0009	0.0014	0.0014
C11	Nasopharynx	0.0003	0.0003	0.0005	0.0005
C12-C13	Hypopharynx	0.0008	0.0008	0.0019	0.0019
C14	Pharynx Unspecified	0.0001	0.0001	0.0001	0.0001
C15	Oesophagus	0.0044	0.0044	0.0074	0.0074
C16	Stomach	0.0014	0.0014	0.0017	0.0017
C17	Small Intestine	-	-	-	-
C18	Colon	0.0006	0.0006	0.0006	0.0006
C19-C20	Rectum	0.0010	0.0010	0.0011	0.0011
C21	Anus & Anal Canal	-	-	-	-
C22	Liver	0.0030	0.0030	0.0049	0.0049
C23-C24	Gall Bladder	0.0012	0.0012	0.0019	0.0019
C25	Pancreas	0.0012	0.0012	0.0021	0.0021
C30-C31	Nose, sinuses etc.	0.0002	0.0002	0.0002	0.0002
C32	Larynx	0.0023	0.0023	0.0041	0.0041
C33-C34	Lung	0.0027	0.0027	0.0043	0.0043
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	0.0007	0.0007	0.0007	0.0007
C43	Melanoma of skin	-	-	0.0001	0.0001
C44	Other Skin	0.0009	0.0009	0.0014	0.0014
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft tissue	0.0004	0.0004	0.0007	0.0007
C50	Breast	0.0001	0.0001	0.0002	0.0002
C60	Penis	0.0006	0.0006	0.0010	0.0010
C61	Prostate	0.0013	0.0013	0.0052	0.0052
C62	Testis	0.0003	0.0003	0.0003	0.0003
C63	Other male genital	-	-	-	-
C64	Kidney etc.	0.0009	0.0009	0.0012	0.0012
C65	Renal pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.0014	0.0014	0.0027	0.0027
C68	Uns. Urinary Organs	-	-	-	-
C69	Eye	-	-	-	-
C70-C72	Brain, NS	0.0007	0.0007	0.0011	0.0011
C73	Thyroid	0.0003	0.0003	0.0005	0.0005
C74	Adrenal gland	-	-	-	-
C81	Hodgkins Disease	0.0002	0.0002	0.0002	0.0002
C82-C85,C96	NHL	0.0013	0.0013	0.0018	0.0018
C88	Imm. disease	-	-	-	-
C90	Multiple myeloma	0.0009	0.0009	0.0010	0.0010
C91	Lymphoid Leukemia	0.0009	0.0009	0.0013	0.0013
C92-C94	Myeloid Leukemia	0.0009	0.0009	0.0014	0.0014
C95	Leukemia Unspecified	0.0009	0.0009	0.0011	0.0011
Other & Unspecified*		0.0045	0.0045	0.0088	0.0088
Total		0.0439	0.0439	0.0723	0.0723

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 22: Cumulative Rate (Cu. Rate) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD 10) Based on Age Specific Rates (From 0-64 Years and 0-74 Years) 2015-2016: Female

ICD 10	Sites	0 - 64 Years		0 - 74 Years	
		Cu. Rate	Cu. Risk	Cu. Rate	Cu. Risk
C00	Lip	-	-	-	-
C01-C02	Tongue	0.0006	0.0006	0.0008	0.0008
C03-C06	Mouth	0.0006	0.0006	0.0010	0.0010
C07-C08	Salivary gland	0.0002	0.0002	0.0002	0.0002
C09	Tonsil	0.0001	0.0001	0.0002	0.0002
C10	Other oropharynx	-	-	-	-
C11	Nasopharynx	0.0001	0.0001	0.0002	0.0002
C12-C13	Hypopharynx	0.0006	0.0006	0.0006	0.0006
C14	Pharynx Unspecified	-	-	-	-
C15	Oesophagus	0.0037	0.0037	0.0061	0.0061
C16	Stomach	0.0007	0.0007	0.0011	0.0011
C17	Small intestine	0.0003	0.0003	0.0003	0.0003
C18	Colon	0.0007	0.0007	0.0010	0.0010
C19-C20	Rectum	0.0004	0.0004	0.0005	0.0005
C21	Anus	0.0001	0.0001	0.0003	0.0003
C22	Liver	0.0006	0.0006	0.0009	0.0009
C23-C24	Gall Bladder	0.0027	0.0027	0.0043	0.0043
C25	Pancreas	0.0013	0.0013	0.0016	0.0016
C30-C31	Nose, Sinuses etc	0.0002	0.0002	0.0002	0.0002
C32	Larynx	0.0005	0.0005	0.0005	0.0005
C33-C34	Lung	0.0009	0.0009	0.0016	0.0016
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	0.0004	0.0004	0.0007	0.0007
C43	Melanoma of skin	0.0001	0.0001	0.0001	0.0001
C44	Other skin	0.0003	0.0003	0.0011	0.0011
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn & soft tissue	0.0005	0.0005	0.0008	0.0008
C50	Breast	0.0148	0.0148	0.0223	0.0223
C51	Vulva	0.0001	0.0001	0.0009	0.0009
C52	Vagina	0.0003	0.0003	0.0006	0.0006
C53	Cervix Uteri	0.0073	0.0073	0.0089	0.0089
C54	Corpus Uteri	0.0012	0.0012	0.0022	0.0022
C55	Uterus unspecified	0.0002	0.0002	0.0002	0.0002
C56	Ovary etc.	0.0036	0.0036	0.0050	0.0050
C57	Other female genital	-	-	-	-
C58	Placenta	-	-	-	-
C64	Kidney	0.0006	0.0006	0.0006	0.0006
C65	Renal Pelvis	0.0001	0.0001	0.0001	0.0001
C66	Ureter	-	-	-	-
C67	Bladder	0.0006	0.0006	0.0008	0.0008
C68	Other urinary organs	-	-	-	-
C69	Eye	0.0001	0.0001	0.0001	0.0001
C70-C72	Brain, NS	0.0009	0.0009	0.0009	0.0009
C73	Thyroid	0.0011	0.0011	0.0014	0.0014
C74	Adrenal gland	-	-	-	-
C81	Hodgkins Disease	0.0004	0.0004	0.0006	0.0006
C82-C85,C96	NHL	0.0009	0.0009	0.0012	0.0012
C88	Imm. disease	-	-	-	-
C90	Multiple Myeloma	0.0004	0.0004	0.0004	0.0004
C91	Lymphoid Leukemia	0.0001	0.0001	0.0004	0.0004
C92-C94	Myeloid Leukemia	0.0009	0.0009	0.0010	0.0010
C95	Leukemia Unspecified	0.0002	0.0002	0.0003	0.0003
Other & Unspecified		0.0026	0.0026	0.0049	0.0049
Total		0.0521	0.0521	0.0769	0.0769

* Other& Unspecified includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

**Table 23: Number (#) and Proportion (%) of Cancers by Site (ICD -10) and Method of Diagnosis:
2015-2016 – Males Sangrur District**

ICD 10	Site	Clinical		Radiology		Endoscopy		Microscopic		Death Certificate / Other**		Total [#]	
		#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	2	40.0	-	-	-	-	3	60.0	-	-	5	100
C01-02	Tongue	1	1.7	-	-	-	-	58	98.3	-	-	59	100
C03-06	Mouth	2	4.3	1	2.2	-	-	43	93.5	-	-	46	100
C07-C08	Salivary glands	-	-	-	-	-	-	9	100.0	-	-	9	100
C09	Tonsil	1	6.7	-	-	-	-	13	86.7	1	6.7	15	100
C10	Other Oropharynx	1	5.3	3	15.8	-	-	15	78.9	-	-	19	100
C11	Nasopharynx	-	-	-	-	-	-	6	100.0	-	-	6	100
C12-C13	Hypopharynx	-	-	-	-	-	-	23	100.0	-	-	23	100
C14	Pharynx Unspecified	-	-	-	-	-	-	2	100.0	-	-	2	100
C15	Oesophagus	4	3.5	4	3.5	10	8.8	92	81.4	3	2.7	113	100
C16	Stomach	-	-	7	26.9	1	3.8	16	61.5	2	7.7	26	100
C17	Small Intestine	-	-	-	-	-	-	1	100.0	-	-	1	100
C18	Colon	2	14.3	1	7.1	-	-	11	78.6	-	-	14	100
C19-C20	Rectum	1	6.3	-	-	-	-	15	93.8	-	-	16	100
C21	Anus & Anal Canal	-	-	-	-	-	-	2	100.0	-	-	2	100
C22	Liver	-	-	41	58.6	-	-	29	41.4	-	-	70	100
C23-C24	Gall Bladder	-	-	9	33.3	1	3.7	17	63.0	-	-	27	100
C25	Pancreas	-	-	7	25.9	-	-	20	74.1	-	-	27	100
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	3	100.0	-	-	3	100
C32	Larynx	2	3.8	1	1.9	1	1.9	49	92.5	-	-	53	100
C33-C34	Lung	1	1.8	7	12.3	-	-	49	86.0	-	-	57	100
C37-C38	Other Thoracic organ	-	-	-	-	-	-	1	100.0	-	-	1	100
C40-C41	Bone	1	7.1	1	7.1	-	-	12	85.7	-	-	14	100
C43	Melanoma of skin	-	-	-	-	-	-	1	100.0	-	-	1	100
C44	Other Skin	-	-	-	-	-	-	22	100.0	-	-	22	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	1	8.3	-	-	-	-	11	91.7	-	-	12	100
C50	Breast	-	-	1	25.0	-	-	3	75.0	-	-	4	100
C60	Penis	1	6.3	2	12.5	-	-	13	81.3	-	-	16	100
C61	Prostate	3	4.5	3	4.5	-	-	59	88.1	2	3.0	67	100
C62	Testis	-	-	-	-	-	-	7	100.0	-	-	7	100
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	1	5.0	7	35.0	-	-	12	60.0	-	-	20	100
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	6	16.7	-	-	29	80.6	1	2.8	36	100
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	1	50.0	-	-	1	50.0	-	-	2	100
C70-C72	Brain, NS	-	-	6	33.3	-	-	11	61.1	1	5.6	18	100
C73	Thyroid	-	-	1	16.7	-	-	5	83.3	-	-	6	100
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	5	100.0	-	-	5	100
C82-C85,C96	NHL	-	-	-	-	-	-	31	100.0	-	-	31	100
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	15	100.0	-	-	15	100
C91	Lymphoid Leukemia	-	-	-	-	-	-	29	100.0	-	-	29	100
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	25	100.0	-	-	25	100
C95	Leukemia Unspecified	-	-	-	-	-	-	17	70.8	7	29.2	24	100
Other & Unspecified*		6	4.8	44	35.2	1	0.8	53	42.4	21	16.8	125	100
Total		30	2.8	153	14.3	14	1.3	838	78.1	38	3.5	1073	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

** Other: Information based on patients relatives / medical note # 2 case of Specific tumor marker

**Table 24: Number (#) and Proportion (%) of Cancers by Site (ICD -10) and Method of Diagnosis:
2015-2016 – Females Sangrur District**

ICD 10	Site	Clinical		Radiology		Endoscopy		Microscopic		Death Certificate / Other**		Total#	
		#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	1	7.1	-	-	-	-	13	92.9	-	-	14	100
C03-C06	Mouth	1	7.1	-	-	-	-	13	92.9	-	-	14	100
C07-C08	Salivary gland	-	-	1	25.0	-	-	3	75.0	-	-	4	100
C09	Tonsil	-	-	-	-	-	-	3	100.0	-	-	3	100
C10	Other oropharynx	-	-	-	-	-	-	1	100.0	-	-	1	100
C11	Nasopharynx	-	-	-	-	-	-	3	100.0	-	-	3	100
C12-C13	Hypopharynx	-	-	-	-	1	10.0	9	90.0	-	-	10	100
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	3	3.5	1	1.2	4	4.7	72	84.7	5	5.9	85	100
C16	Stomach	1	5.6	6	33.3	-	-	9	50.0	2	11.1	18	100
C17	Small intestine	-	-	-	-	-	-	4	100.0	-	-	4	100
C18	Colon	-	-	1	7.1	1	7.1	12	85.7	-	-	14	100
C19-C20	Rectum	-	-	1	14.3	-	-	6	85.7	-	-	7	100
C21	Anus	-	-	-	-	-	-	3	100.0	-	-	3	100
C22	Liver	2	14.3	3	21.4	-	-	8	57.1	1	7.1	14	100
C23-C24	Gall Bladder	3	4.9	12	19.7	1	1.6	44	72.1	1	1.6	61	100
C25	Pancreas	1	4.2	8	33.3	-	-	13	54.2	2	8.3	24	100
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	2	100.0	-	-	2	100
C32	Larynx	-	-	-	-	1	14.3	6	85.7	-	-	7	100
C33-C34	Lung	-	-	3	14.3	1	4.8	17	81.0	-	-	21	100
C37-C38	Other Thoracic organ	-	-	-	-	-	-	1	100.0	-	-	1	100
C40-C41	Bone	-	-	3	23.1	-	-	10	76.9	-	-	13	100
C43	Melanoma of skin	-	-	-	-	-	-	2	100.0	-	-	2	100
C44	Other skin	-	-	-	-	-	-	14	100.0	-	-	14	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	1	9.1	1	9.1	-	-	9	81.8	-	-	11	100
C50	Breast	11	3.5	4	1.3	-	-	297	94.0	4	1.3	316	100
C51	Vulva	-	-	-	-	-	-	9	100.0	-	-	9	100
C52	Vagina	-	-	-	-	-	-	8	100.0	-	-	8	100
C53	Cervix Uteri	9	6.5	6	4.3	-	-	119	86.2	4	2.9	138	100
C54	Corpus Uteri	-	-	2	7.7	-	-	24	92.3	-	-	26	100
C55	Uterus unspecified	-	-	-	-	-	-	3	100.0	-	-	3	100
C56	Ovary etc.	-	-	5	7.2	-	-	64	92.8	-	-	69	100
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	1	-	-	-	11	84.6	1	7.7	13	100
C65	Renal Pelvis	-	-	-	-	-	-	2	100.0	-	-	2	100
C66	Ureter	1	7.7	-	-	-	-	12	92.3	-	-	13	100
C67	Bladder	-	-	-	-	-	-	2	100.0	-	-	2	100
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	4	-	-	-	14	77.8	-	-	18	100
C73	Thyroid	-	-	-	-	-	-	27	100.0	-	-	27	100
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	9	10.0	-	-	9	100
C82-C85,C96	NHL	-	-	-	-	-	-	20	100.0	-	-	20	100
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	5	100.0	-	-	5	100
C91	Lymphoid Leukemia	-	-	-	-	-	-	6	100.0	-	-	6	100
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	17	100.0	-	-	17	100
C95	Leukemia Unspecified	-	-	-	-	-	-	5	83.3	1	16.7	6	100
Other & Unspecified*		2	2.9	21	30.0	-	-	34	48.6	13	18.6	70	100
Total		36	3.2	83	7.4	9	0.8	965	85.6	34	3.0	1127	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97) ** Other: Information based on patients relatives / medical note

1 case of Specific tumor marker

Table 25: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2015-2016 – Males
Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.3
C01-C02	Tongue	-	-	-	-	-	-	1	1	3	6	3	7	11	8	3	2	45	5.9
C03-C06	Mouth	-	-	-	-	-	-	-	-	4	4	6	-	7	2	3	2	28	3.7
C07-C08	Salivary glands	-	-	-	-	-	1	-	-	-	1	1	-	-	1	-	-	4	0.5
C09	Tonsil	-	-	-	-	-	-	-	1	-	2	1	4	1	1	1	1	12	1.6
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	1	-	2	5	1	2	1	12	1.6
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	4	0.5
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	2	1	4	3	3	2	16	2.1
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.3
C15	Oesophagus	-	-	-	-	-	2	1	2	2	12	10	15	15	14	7	11	91	12.0
C16	Stomach	-	-	-	-	-	-	-	1	2	4	3	3	2	1	1	2	19	2.5
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	1	1	1	2	-	-	1	-	-	1	7	0.9
C19-C20	Rectum	-	-	-	-	-	1	-	1	1	-	2	1	5	-	-	1	12	1.6
C21	Anus & Anal Canal	-	-	-	-	-	1	-	-	-	-	-	-	1	1	2	1	6	0.8
C22	Liver	-	-	-	-	-	1	-	3	1	5	9	3	9	9	4	6	50	6.6
C23-C24	Gall Bladder	-	-	-	-	-	1	-	-	-	1	6	2	5	1	3	2	21	2.8
C25	Pancreas	-	-	-	-	-	-	-	-	-	2	6	3	5	3	3	-	22	2.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.3
C32	Larynx	-	-	-	-	-	-	-	1	-	1	3	7	2	7	-	1	22	2.9
C33-C34	Lung	-	-	-	-	-	-	-	1	1	3	5	6	10	7	6	4	43	5.7
C37-C38	Other Thoracic oragan	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C40-C41	Bone	-	-	-	1	1	1	-	-	1	-	2	2	-	-	-	1	9	1.2
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	0.3
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	1	1	1	2	1	-	6	0.8
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	1	-	-	1	-	-	-	2	-	1	-	-	1	6	0.8
C50	Breast	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2	0.3
C60	Penis	-	-	-	-	-	-	-	-	-	1	-	1	3	1	1	1	8	1.1
C61	Prostate	-	-	-	-	-	-	-	-	-	-	4	2	8	6	8	15	43	5.7
C62	Testis	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	3	0.4
C63	Oth male genital org	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney ect.	-	-	-	-	-	-	-	-	-	1	1	2	3	-	2	-	9	1.2
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	1	-	4	3	2	2	6	2	20	2.6
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0.3
C70-C72	Brain, NS	-	1	-	1	-	-	1	-	3	1	2	5	3	2	2	-	21	2.8
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2	0.3
C82-C86, C96	NHL	1	1	1	1	-	-	1	1	1	-	1	2	4	3	-	2	19	2.5
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	4	1	1	-	6	0.8
C91	Lymphoid Leuk.	-	1	-	2	-	-	1	-	1	1	-	1	2	2	1	1	13	1.7
C92-C94	Myeloid Leukemia	-	-	1	-	1	2	1	-	1	1	-	1	1	1	-	3	13	1.7
C95	Leukemia Uns	1	1	-	-	1	1	1	2	1	2	3	-	3	1	1	5	23	3.0
Other & Unspecified*		1	1	-	1	1	-	1	4	3	8	13	17	20	20	18	19	127	16.8
Total		4	5	2	8	6	13	10	19	29	61	91	97	142	100	82	88	757	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 26: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2015-2016 – Females
Sangrur District (% = Relative Proportion of Cancers of All Sites)

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.1
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	1	1	1	2	-	3	8	1.2
C03-C06	Mouth	-	-	-	-	-	-	-	-	1	1	1	-	2	1	-	1	7	1.0
C07-C08	Salivary gland	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0.3
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	1	1	-	1	-	-	4	0.6
C10	Other oropharynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.1
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	3	0.4
C12-C13	Hypopharynx	-	-	-	-	1	-	-	1	-	2	-	-	3	-	-	-	7	1.0
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	1	2	2	2	5	9	9	11	9	8	8	10	76	11.3
C16	Stomach	-	-	-	-	-	-	1	-	1	-	1	1	2	2	1	4	13	1.9
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	0.3
C18	Colon	-	-	-	-	-	-	-	-	1	1	3	2	1	-	-	-	8	1.2
C19-C20	Rectum	-	-	-	-	-	1	1	-	-	1	1	2	-	-	1	-	7	1.0
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.3
C22	Liver	-	-	-	-	-	-	-	-	-	3	2	2	3	1	-	2	13	1.9
C23-C24	Gall Bladder	-	-	-	-	-	-	1	2	4	6	7	7	6	11	3	7	54	8.0
C25	Pancreas	-	-	-	-	-	-	-	-	-	2	3	2	4	1	-	2	14	2.1
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	3	0.4
C33-C34	Lung	-	-	-	-	-	-	-	-	-	1	3	-	3	2	3	4	16	2.4
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	1	-	-	-	-	-	1	-	1	-	1	1	6	0.9
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.1
C44	Other skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	4	0.6
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	1	-	-	-	-	-	-	-	-	-	1	-	2	1	-	5	0.7
C50	Breast	-	-	-	-	-	2	5	6	11	15	25	14	14	17	3	8	120	17.8
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	4	0.6
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	4	0.6
C53	Cervix Uteri	-	-	-	-	-	-	-	3	10	12	19	10	16	6	8	7	91	13.5
C54	Corpus Uteri	-	-	-	-	-	-	-	-	1	1	2	-	1	5	-	-	10	1.5
C55	Uterus unspecified	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	3	0.4
C56	Ovary etc.	-	-	-	-	-	-	1	3	2	6	7	11	6	3	3	3	45	6.7
C57	Oth female genital org	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	2	5	0.7
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.1
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.1
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	1	-	-	-	2	-	1	2	4	1	2	1	1	1	2	18	2.7
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	2	5	0.7
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.1
C82-C85, C96	NHL	-	-	-	-	-	-	-	1	-	1	2	2	1	1	2	1	11	1.6
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.3
C91	Lymphoid Leuk.	-	-	-	-	2	-	1	-	-	-	-	1	1	-	-	1	6	0.9
C92-C94	Myeloid Leukemia	-	-	-	1	1	-	-	-	-	-	1	2	2	-	1	1	9	1.3
C95	Leukemia Uns	-	-	-	1	1	1	-	3	2	-	-	-	1	-	1	-	10	1.5
Other & Unspecified*		1	-	-	-	-	2	-	3	6	8	12	4	11	11	8	6	72	10.7
Total		1	2	1	3	7	11	13	26	48	74	106	83	99	82	47	72	675	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 27: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 Population: 2015-2016 – Males Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	2.6	-	0.1	0.1	0.2
C01-02	-	-	-	-	-	-	0.8	0.8	2.6	5.8	3.6	12.0	16.8	15.8	7.8	4.5	2.4	2.6	6.1
C03-06	-	-	-	-	-	-	-	-	3.5	3.9	7.1	-	10.7	3.9	7.8	4.5	1.5	1.6	4.0
C07-C08	-	-	-	-	-	0.6	-	-	-	1.0	1.2	-	-	2.0	-	-	0.2	0.2	0.4
C09	-	-	-	-	-	-	-	0.8	-	1.9	1.2	6.8	1.5	2.0	2.6	2.3	0.6	0.7	1.8
C10	-	-	-	-	-	-	-	-	-	1.0	-	3.4	7.6	2.0	5.2	2.3	0.6	0.7	1.6
C11	-	-	-	-	-	-	-	-	-	1.0	1.2	3.4	-	-	-	-	0.2	0.3	0.8
C12-C13	-	-	-	-	-	-	-	-	-	1.0	2.4	1.7	6.1	5.9	7.8	4.5	0.9	0.9	1.6
C14	-	-	-	-	-	-	-	-	-	-	-	1.7	1.5	-	-	-	0.1	0.1	0.4
C15	-	-	-	-	-	1.3	0.8	1.6	1.7	11.6	11.9	25.7	22.9	27.6	18.3	24.9	4.9	5.3	11.1
C16	-	-	-	-	-	-	-	0.8	1.7	3.9	3.6	5.1	3.0	2.0	2.6	4.5	1.0	1.1	2.9
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	0.8	0.8	0.9	1.9	-	-	1.5	-	-	2.3	0.4	0.4	0.9
C19-C20	-	-	-	-	-	0.6	-	0.8	0.9	-	2.4	1.7	7.6	-	-	2.3	0.6	0.7	1.9
C21	-	-	-	-	-	0.6	-	-	-	-	-	-	1.5	2.0	5.2	2.3	0.3	0.3	0.2
C22	-	-	-	-	-	0.6	-	2.4	0.9	4.8	10.7	5.1	13.7	17.8	10.4	13.6	2.7	2.8	5.7
C23-C24	-	-	-	-	-	0.6	-	-	-	1.0	7.1	3.4	7.6	2.0	7.8	4.5	1.1	1.2	2.8
C25	-	-	-	-	-	-	-	-	-	1.9	7.1	5.1	7.6	5.9	7.8	-	1.2	1.3	3.2
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C32	-	-	-	-	-	-	-	0.8	-	1.0	3.6	12.0	3.0	13.8	-	2.3	1.2	1.3	2.9
C33-C34	-	-	-	-	-	-	-	0.8	0.9	2.9	5.9	10.3	15.2	13.8	15.7	9.0	2.3	2.5	5.1
C37-C38	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-
C40-C41	-	-	-	0.5	0.5	0.6	-	-	0.9	-	2.4	3.4	-	-	-	2.3	0.5	0.5	1.0
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	0.1	0.1	-
C44	-	-	-	-	-	-	-	-	-	-	1.2	1.7	1.5	3.9	2.6	-	0.3	0.4	0.6
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	0.5	-	-	0.8	-	-	-	2.4	-	1.5	-	-	2.3	0.3	0.3	0.6
C50	-	-	-	-	-	-	-	-	0.9	-	-	1.7	-	-	-	-	0.1	0.1	0.4
C60	-	-	-	-	-	-	-	-	-	1.0	-	1.7	4.6	2.0	2.6	2.3	0.4	0.5	1.0
C61	-	-	-	-	-	-	-	-	-	-	4.8	3.4	12.2	11.8	20.9	33.9	2.3	2.3	2.8
C62	-	-	-	-	0.5	0.6	-	-	0.9	-	-	-	-	-	-	-	0.2	0.1	0.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	1.0	1.2	3.4	4.6	-	5.2	-	0.5	0.5	1.4
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	0.9	-	4.8	5.1	3.0	3.9	15.7	4.5	1.1	1.1	2.0
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	0.1	0.1	-
C70-C72	-	0.6	-	0.5	-	-	0.8	-	2.6	1.0	2.4	8.6	4.6	3.9	5.2	-	1.1	1.2	2.8
C73	-	-	-	-	-	-	-	-	-	-	-	1.7	1.5	-	-	-	0.1	0.1	0.4
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	0.5	-	0.6	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C82-C85,C96	0.7	0.6	0.5	0.5	-	-	0.8	0.8	0.9	-	1.2	3.4	6.1	5.9	-	4.5	1.0	1.1	1.7
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	6.1	2.0	2.6	-	0.3	0.4	0.8
C91	-	0.6	-	1.0	-	-	0.8	-	0.9	1.0	-	1.7	3.0	3.9	2.6	2.3	0.7	0.7	1.0
C92-C94	-	-	0.5	-	0.5	1.3	0.8	-	0.9	1.0	-	1.7	1.5	2.0	-	6.8	0.7	0.7	0.8
C95	0.7	0.6	-	-	0.5	0.6	0.8	1.6	0.9	1.9	3.6	-	4.6	2.0	2.6	11.3	1.2	1.2	2.0
O & U *	0.7	0.6	-	0.5	0.5	-	0.8	3.3	2.6	7.7	15.4	29.1	30.5	39.5	47.0	42.9	6.8	7.2	12.8
Total	2.8	3.1	1.1	3.9	3.1	8.2	7.6	15.5	25.3	59.0	108.1	166.0	216.4	197.4	214.2	198.9	40.7	43.3	86.1

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 28: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 population: 2015-2016 – Females Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	0.1	-	-
C01-C02	-	-	-	-	-	-	-	-	-	-	1.4	1.7	1.5	4.4	-	6.9	0.5	0.5	0.6
C03-C06	-	-	-	-	-	-	-	-	0.9	1.0	1.4	-	2.9	2.2	-	2.3	0.4	0.4	1.0
C07-C08	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	2.3	0.1	0.1	-
C09	-	-	-	-	-	-	-	-	0.9	-	1.4	1.7	-	2.2	-	-	0.2	0.3	0.6
C10	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	0.1	0.1	0.2
C11	-	-	-	-	-	-	-	-	-	-	-	-	2.9	2.2	-	-	0.2	0.2	0.4
C12-C13	-	-	-	-	0.6	-	-	0.8	-	2.1	-	-	4.4	-	-	-	0.4	0.4	1.1
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	0.6	1.4	1.6	1.7	4.5	9.3	12.3	19.0	13.2	17.5	25.1	23.1	4.6	4.6	9.1
C16	-	-	-	-	-	-	0.8	-	0.9	-	1.4	1.7	2.9	4.4	3.1	9.3	0.8	0.7	1.0
C17	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	-	-	-	-	0.9	1.0	4.1	3.4	1.5	-	-	-	0.5	0.5	1.7
C19-C20	-	-	-	-	-	0.7	0.8	-	-	1.0	1.4	3.4	-	-	3.1	-	0.4	0.4	0.9
C21	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	0.1	0.1	0.4
C22	-	-	-	-	-	-	-	-	-	3.1	2.7	3.4	4.4	2.2	-	4.6	0.8	0.8	2.1
C23-C24	-	-	-	-	-	-	0.8	1.7	3.6	6.2	9.6	12.1	8.8	24.0	9.4	16.2	3.3	3.3	6.5
C25	-	-	-	-	-	-	-	-	-	2.1	4.1	3.4	5.9	2.2	-	4.6	0.9	0.9	2.3
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	1.0	1.4	1.7	-	-	-	-	0.2	0.2	0.6
C33-C34	-	-	-	-	-	-	-	-	-	1.0	4.1	-	4.4	4.4	9.4	9.3	1.0	0.9	1.4
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	0.6	0.6	-	-	-	-	-	1.4	-	1.5	-	3.1	2.3	0.4	0.3	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	0.1	0.1	0.2
C44	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	3.1	4.6	0.2	0.2	0.2
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	0.8	-	-	-	-	-	-	-	-	-	1.7	-	4.4	3.1	-	0.3	0.3	0.2
C50	-	-	-	-	-	1.4	4.0	5.0	9.9	15.5	34.2	24.1	20.6	37.1	9.4	18.5	7.3	7.3	17.2
C51	-	-	-	-	-	-	-	-	-	-	-	-	1.5	4.4	-	2.3	0.2	0.2	0.2
C52	-	-	-	-	-	-	-	-	-	-	-	1.7	4.4	-	-	-	0.2	0.2	0.8
C53	-	-	-	-	-	-	-	2.5	9.0	12.4	26.0	17.2	23.5	13.1	25.1	16.2	5.5	5.6	14.1
C54	-	-	-	-	-	-	-	-	0.9	1.0	2.7	-	1.5	10.9	-	-	0.6	0.6	1.0
C55	-	-	-	-	-	0.7	-	-	-	-	-	-	-	4.4	-	-	0.2	0.2	-
C56	-	-	-	-	-	-	0.8	2.5	1.8	6.2	9.6	19.0	8.8	6.5	9.4	6.9	2.7	2.8	7.2
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	0.8	0.8	-	-	-	1.7	-	-	-	4.6	0.3	0.3	0.4
C65	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	0.1	0.1	0.2
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	0.1	0.1	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	0.8	-	-	-	1.4	-	0.8	1.8	4.1	1.4	3.4	1.5	2.2	3.1	4.6	1.1	1.1	2.2
C73	-	-	-	-	-	-	-	-	-	-	1.4	-	1.5	2.2	-	4.6	0.3	0.3	0.4
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	0.1	0.1	-
C82-C85, C96	-	-	-	-	-	-	-	0.8	-	1.0	2.7	3.4	1.5	2.2	6.3	2.3	0.7	0.7	1.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	1.4	1.7	-	-	-	-	0.1	0.1	0.4
C91	-	-	-	-	1.2	-	0.8	-	-	-	-	1.7	1.5	-	-	2.3	0.4	0.3	0.4
C92-C94	-	-	-	0.6	0.6	-	-	-	-	-	1.4	3.4	2.9	-	3.1	2.3	0.5	0.5	1.0
C95	-	-	-	0.6	0.6	0.7	-	2.5	1.8	-	-	-	1.5	-	3.1	-	0.6	0.5	1.0
O & U*	0.8	-	-	-	-	1.4	-	2.5	5.4	8.3	16.4	6.9	16.2	24.0	25.1	13.9	4.4	4.4	8.7
Total	0.8	1.5	0.7	1.9	4.2	7.5	10.4	21.9	43.1	76.4	144.9	143.2	145.4	179.0	147.6	166.6	41.0	41.0	88.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Standard registry tables for the year 2015

**Table 29: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2015 – Males
Sangrur District**

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	4	0.8
C01-C02	Tongue	-	-	-	-	-	-	1	2	2	4	5	5	6	3	2	1	31	6.0
C03-C06	Mouth	-	-	-	-	-	-	-	1	1	2	5	1	3	2	1	-	16	3.1
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	-	1	-	1	1	-	-	4	0.8
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	2	-	1	-	1	5	1.0
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	2	3	1	3	1	10	1.9
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	4	0.8
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	2	1	3	2	3	1	13	2.5
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C15	Oesophagus	-	-	-	-	-	2	2	3	2	6	9	8	10	8	4	6	60	11.6
C16	Stomach	-	-	-	-	-	-	-	1	1	1	2	2	2	-	1	1	11	2.1
C17	Small Intestine	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C18	Colon	-	-	-	-	-	-	1	-	1	-	-	1	2	-	-	2	7	1.4
C19-C20	Rectum	-	-	-	-	-	-	1	1	1	-	1	1	1	-	-	-	6	1.2
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	1	3	1	4	3	3	3	18	3.5
C23-C24	Gall Bladder	-	-	-	-	-	1	-	-	-	-	4	2	2	2	-	2	13	2.5
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	3	3	4	1	3	-	15	2.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	1	-	2	1	4	2	5	4	-	19	3.7
C33-C34	Lung	-	-	-	-	-	-	-	1	-	2	6	2	7	5	5	3	31	6.0
C37-C38	Other Thoracic organ	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	-	1	1	-	-	-	1	-	1	2	2	-	-	-	8	1.5
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.2
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	2	5	1.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	1	-	1	-	-	1	1	1	-	-	-	1	2	1	-	9	1.7
C50	Breast	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	0.4
C60	Penis	-	-	-	-	-	1	-	-	-	1	-	-	3	1	1	1	8	1.5
C61	Prostate	-	-	-	-	-	-	-	-	-	1	1	1	3	7	9	8	30	5.8
C62	Testis	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	3	0.6
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney ect.	-	-	-	-	-	-	1	-	1	1	2	2	4	2	1	-	14	2.7
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	2	2	1	5	1	4	5	3	23	4.4
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C70-C72	Brain, NS	-	-	2	-	-	3	-	-	1	-	-	1	-	1	1	-	9	1.7
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	1	2	-	1	-	5	1.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	3	0.6
C82-C85, C96	NHL	-	2	-	-	1	-	1	1	1	-	1	2	3	3	-	-	15	2.9
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	1	1	3	2	-	-	-	7	1.4
C91	Lymphoid Leuk.	1	2	-	1	2	-	1	-	1	1	-	1	1	2	-	1	14	2.7
C92-C94	Myeloid Leukemia	-	-	1	-	-	-	1	1	2	2	-	1	1	1	-	1	11	2.1
C95	Leukemia Uns	1	1	-	-	-	1	-	-	-	1	1	-	3	-	-	2	10	1.9
Other & Unspecified*		1	-	-	1	-	-	-	-	3	6	10	8	10	10	8	12	69	13.3
	Total	3	6	3	4	7	10	11	13	23	38	64	66	90	70	58	52	518	100.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 30: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2015 – Females Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	1	5	0.9
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	1	2	-	2	2	-	1	8	1.5
C07-C08	Salivary gland	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C10	Other oropharynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C11	Nasopharynx	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	4	0.8
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	6	3	6	5	9	4	3	3	41	7.7
C16	Stomach	-	-	-	-	-	-	-	-	1	-	-	1	2	-	-	2	6	1.1
C17	Small intestine	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2	0.4
C18	Colon	-	-	-	-	-	-	-	1	2	-	1	-	-	-	1	-	5	0.9
C19-C20	Rectum	-	-	-	-	-	1	1	-	-	1	-	3	-	-	-	-	6	1.1
C21	Anus	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	3	0.6
C22	Liver	-	-	-	-	-	-	-	-	1	1	1	-	1	1	-	1	5	0.9
C23-C24	Gall Bladder	-	-	-	-	-	-	-	2	1	3	4	4	3	3	1	4	25	4.7
C25	Pancreas	-	-	-	-	-	-	-	1	-	1	4	2	3	1	1	1	14	2.6
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	0.4
C33-C34	Lung	-	-	-	-	-	-	1	-	-	1	3	-	4	-	-	2	11	2.1
C37-C38	Other Thoracic oragan	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	1	1	2	-	1	-	-	-	-	-	1	-	1	1	8	1.5
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C44	Other skin	-	-	-	-	-	-	-	1	-	1	1	-	2	-	4	3	12	2.3
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	1	-	-	-	-	-	-	1	-	-	2	-	1	-	-	5	0.9
C50	Breast	-	-	-	-	1	4	5	11	14	28	27	23	12	13	9	7	154	28.9
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	4	0.8
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C53	Cervix Uteri	-	-	-	-	-	1	2	4	8	11	13	7	11	5	1	1	64	12.0
C54	Corpus Uteri	-	-	-	-	-	-	-	-	1	1	1	5	2	3	2	1	16	3.0
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C56	Ovary etc.	-	-	-	-	-	1	2	1	1	2	3	3	8	4	2	2	29	5.4
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	1	1	-	-	-	2	-	-	-	1	5	0.9
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	3	-	-	-	2	1	-	1	7	1.3
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	1	1	1	-	-	1	1	1	1	2	-	3	-	-	-	1	13	2.4
C73	Thyroid	-	-	-	-	1	1	-	2	-	3	3	-	-	2	-	-	12	2.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.4
C82-C85, C96	NHL	-	-	-	-	1	-	1	1	-	2	1	2	-	-	1	2	11	2.1
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	1	1	2	-	-	-	5	0.9
C91	Lymphoid Leuk.	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	0.4
C92-C94	Myeloid Leukemia	-	-	-	1	-	-	1	-	-	-	1	-	1	-	-	-	4	0.8
C95	Leukemia Uns	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2	0.4
Other & Unspecified*		-	-	1	-	-	2	-	2	3	3	6	1	4	3	1	4	30	5.6
	Total	1	3	4	3	5	12	17	33	44	67	81	68	75	48	30	42	533	100.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 31: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 Population: 2015 – Males Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	3.4	3.1	4.0	5.3	-	0.4	0.5	0.8
C01-02	-	-	-	-	-	-	1.5	3.3	3.5	7.8	12.0	17.2	18.4	11.9	10.5	4.5	3.4	3.6	9.3
C03-06	-	-	-	-	-	-	-	1.6	1.8	3.9	12.0	3.4	9.2	7.9	5.3	-	1.7	1.9	5.0
C07-C08	-	-	-	-	-	-	-	-	1.8	-	2.4	-	3.1	4.0	-	-	0.4	0.5	1.1
C09	-	-	-	-	-	-	-	-	-	-	2.4	6.9	-	4.0	-	4.5	0.5	0.6	1.3
C10	-	-	-	-	-	-	-	-	-	-	-	6.9	9.2	4.0	15.8	4.5	1.1	1.2	2.1
C11	-	-	-	-	-	-	-	-	-	-	-	10.3	-	4.0	-	-	0.4	0.5	1.3
C12-C13	-	-	-	-	-	-	-	-	-	1.9	4.8	3.4	9.2	7.9	15.8	4.5	1.4	1.5	2.8
C14	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	0.1	0.1	0.4
C15	-	-	-	-	-	2.5	3.1	4.9	3.5	11.7	21.5	27.6	30.7	31.8	21.0	27.3	6.5	6.9	14.9
C16	-	-	-	-	-	-	-	1.6	1.8	1.9	4.8	6.9	6.1	-	5.3	4.5	1.2	1.3	3.5
C17	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	-	-	1.5	-	1.8	-	-	3.4	6.1	-	-	9.1	0.8	0.8	1.6
C19-C20	-	-	-	-	-	-	1.5	1.6	1.8	-	2.4	3.4	3.1	-	-	-	0.6	0.7	1.9
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	1.9	7.2	3.4	12.3	11.9	15.8	13.6	1.9	2.0	3.6
C23-C24	-	-	-	-	-	1.3	-	-	-	-	9.6	6.9	6.1	7.9	-	9.1	1.4	1.5	3.2
C25	-	-	-	-	-	-	-	-	-	1.9	7.2	10.3	12.3	4.0	15.8	-	1.6	1.8	4.4
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	0.1	0.1	0.4
C32	-	-	-	-	-	-	-	1.6	-	3.9	2.4	13.8	6.1	19.9	21.0	-	2.1	2.3	4.0
C33-C34	-	-	-	-	-	-	-	1.6	-	3.9	14.3	6.9	21.5	19.9	26.3	13.6	3.4	3.6	7.0
C37-C38	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C40-C41	-	-	-	1.0	1.1	-	-	-	1.8	-	2.4	6.9	6.1	-	-	-	0.9	0.9	2.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	0.1	0.1	-
C44	-	-	-	-	-	-	-	-	-	-	4.8	-	3.1	-	-	9.1	0.5	0.5	1.2
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	1.2	-	1.0	-	-	1.5	1.6	1.8	-	-	-	3.1	7.9	5.3	-	1.0	1.0	1.1
C50	-	-	-	-	-	-	-	-	-	1.9	-	-	-	4.0	-	-	0.2	0.2	0.4
C60	-	-	-	-	-	1.3	-	-	-	1.9	-	-	9.2	4.0	5.3	4.5	0.9	0.9	1.6
C61	-	-	-	-	-	-	-	-	-	1.9	2.4	3.4	9.2	27.8	47.3	36.4	3.2	3.2	2.4
C62	-	-	-	-	1.1	1.3	1.5	-	-	-	-	-	-	-	-	-	0.3	0.3	-
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	1.5	-	1.8	1.9	4.8	6.9	12.3	7.9	5.3	-	1.5	1.7	4.0
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	3.5	3.9	2.4	17.2	3.1	15.9	26.3	13.6	2.5	2.7	4.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	0.1	0.1	-
C70-C72	-	-	2.2	-	-	3.8	-	-	1.8	-	-	3.4	-	4.0	5.3	-	1.0	1.0	0.8
C73	-	-	-	-	-	-	-	-	-	-	2.4	3.4	6.1	-	5.3	-	0.5	0.6	1.6
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	1.1	1.3	-	-	1.8	-	-	-	-	-	-	-	0.3	0.3	0.3
C82-C85,C96	-	2.5	-	-	1.1	-	1.5	1.6	1.8	-	2.4	6.9	9.2	11.9	-	-	1.6	1.7	3.1
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	1.9	2.4	10.3	6.1	-	-	-	0.8	0.9	2.9
C91	1.4	2.5	-	1.0	2.1	-	1.5	-	1.8	1.9	-	3.4	3.1	7.9	-	4.5	1.5	1.6	1.6
C92-C94	-	-	1.1	-	-	-	1.5	1.6	3.5	3.9	-	3.4	3.1	4.0	-	4.5	1.2	1.2	2.6
C95	1.4	1.2	-	-	-	1.3	-	-	-	1.9	2.4	-	9.2	-	-	9.1	1.1	1.2	1.9
O & U*	1.4	-	-	1.0	-	-	-	-	5.3	11.7	23.9	27.6	30.7	39.7	42.0	54.6	7.5	7.9	14.6
Total	4.2	7.4	3.3	4.0	7.4	12.6	16.9	21.4	40.4	74.0	153.0	227.3	275.9	278.0	304.8	236.5	56.0	59.6	115.9

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

**Table 32: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR)
Incidence Rate per 100,000 Population: 2015 – Females Sangrur District**

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	-	-	-	-	-	-	-	-	-	-	2.8	-	5.9	4.4	-	4.7	0.6	0.6	1.2
C03-C06	-	-	-	-	-	-	-	-	-	2.1	5.5	-	5.9	8.8	-	4.7	1.0	1.0	2.1
C07-C08	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	4.7	0.2	0.2	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	0.1	0.1	-
C10	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.3
C11	-	-	-	-	-	-	-	1.7	-	-	-	-	-	4.4	-	-	0.2	0.2	0.3
C12-C13	-	-	-	-	-	-	-	-	-	4.2	-	-	5.9	-	-	-	0.5	0.5	1.6
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	1.6	1.7	10.8	6.2	16.5	17.4	26.6	17.6	19.0	14.0	5.0	5.0	12.0
C16	-	-	-	-	-	-	-	-	1.8	-	-	3.5	5.9	-	-	9.3	0.7	0.7	1.6
C17	-	-	-	-	-	-	-	1.7	-	-	-	3.5	-	-	-	-	0.2	0.2	0.8
C18	-	-	-	-	-	-	-	1.7	3.6	-	2.8	-	-	-	6.3	-	0.6	0.6	1.5
C19-C20	-	-	-	-	-	1.4	1.6	-	-	2.1	-	10.4	-	-	-	-	0.7	0.7	1.7
C21	-	-	-	-	-	-	-	-	1.8	-	-	-	3.0	-	6.3	-	0.4	0.4	0.7
C22	-	-	-	-	-	-	-	-	-	2.1	2.8	-	3.0	4.4	-	4.7	0.6	0.6	1.2
C23-C24	-	-	-	-	-	-	-	3.4	1.8	6.2	11.0	13.9	8.9	13.2	6.3	18.6	3.1	3.0	6.9
C25	-	-	-	-	-	-	-	1.7	-	2.1	11.0	6.9	8.9	4.4	6.3	4.7	1.7	1.8	4.5
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	2.8	-	3.0	-	-	-	0.2	0.3	0.8
C33-C34	-	-	-	-	-	-	1.6	-	-	2.1	8.3	-	11.8	-	-	9.3	1.3	1.3	3.3
C37-C38	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C40-C41	-	-	1.4	1.3	2.4	-	1.6	-	-	-	-	-	3.0	-	6.3	4.7	1.0	0.9	0.4
C43	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	0.1	0.1	0.4
C44	-	-	-	-	-	-	-	1.7	-	2.1	2.8	-	5.9	-	25.3	14.0	1.5	1.4	1.9
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	1.5	-	-	-	-	-	-	1.8	-	-	6.9	-	4.4	-	-	0.6	0.7	1.2
C50	-	-	-	-	1.2	5.5	8.1	18.6	25.3	58.1	74.3	79.8	35.5	57.1	56.9	32.6	18.8	19.0	46.6
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	6.3	4.7	0.5	0.5	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	0.1	0.1	-
C53	-	-	-	-	-	1.4	3.2	6.8	14.4	22.8	35.8	24.3	32.5	22.0	6.3	4.7	7.8	7.9	21.6
C54	-	-	-	-	-	-	-	-	1.8	2.1	2.8	17.4	5.9	13.2	12.6	4.7	2.0	2.0	4.2
C55	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.4
C56	-	-	-	-	-	1.4	3.2	1.7	1.8	4.2	8.3	10.4	23.6	17.6	12.6	9.3	3.5	3.5	7.2
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	1.6	1.7	-	-	-	6.9	-	-	-	4.7	0.6	0.6	1.2
C65	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.4
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	5.4	-	-	-	5.9	4.4	-	4.7	0.9	0.8	1.8
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	1.6	1.5	1.4	-	-	1.4	1.6	1.7	1.8	4.2	-	10.4	-	-	-	4.7	1.6	1.7	2.8
C73	-	-	-	-	1.2	1.4	-	3.4	-	6.2	8.3	-	-	8.8	-	-	1.5	1.5	3.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	6.3	-	0.2	0.3	0.4
C82-C85,C96	-	-	-	-	1.2	-	1.6	1.7	-	4.2	2.8	6.9	-	-	6.3	9.3	1.3	1.3	2.5
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	2.1	2.8	3.5	5.9	-	-	-	0.6	0.6	2.1
C91	-	1.5	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.3	-
C92-C94	-	-	-	1.3	-	-	1.6	-	-	-	2.8	-	3.0	-	-	-	0.5	0.5	0.8
C95	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	0.2	0.2	0.7
O & U*	-	-	1.4	-	-	2.8	-	3.4	5.4	6.2	11.8	3.5	11.8	13.2	6.3	18.6	3.7	3.6	7.5
Total	1.6	4.6	5.6	3.8	6.0	16.5	27.4	55.9	79.4	139.1	222.8	236.0	221.6	210.8	189.5	195.5	65.2	64.9	148.1

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 33: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2015 – Males
Sangrur District
% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.3
C01-C02	Tongue	-	-	-	-	-	-	1	-	1	4	1	4	3	2	2	-	18	5.2
C03-C06	Mouth	-	-	-	-	-	-	-	-	2	2	5	-	3	1	-	-	13	3.7
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	0.6
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	0.6
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	1	-	1	5	-	1	-	8	2.3
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	2	0.6
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	1	-	1	2	1	1	6	1.7
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C15	Oesophagus	-	-	-	-	-	2	1	2	1	6	1	7	6	7	2	3	38	11.0
C16	Stomach	-	-	-	-	-	-	-	-	-	3	2	-	-	1	-	1	7	2.0
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	-	4	1.2
C19-C20	Rectum	-	-	-	-	-	-	-	-	1	-	1	-	3	-	-	-	5	1.4
C21	Anus & Anal Canal	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	-	4	1.2
C22	Liver	-	-	-	-	-	-	-	1	-	1	4	1	4	1	2	1	15	4.3
C23-C24	Gall Bladder	-	-	-	-	-	1	-	-	-	-	4	1	2	1	2	1	12	3.5
C25	Pancreas	-	-	-	-	-	-	-	-	-	2	2	2	3	1	2	-	12	3.5
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.6
C32	Larynx	-	-	-	-	-	-	-	-	-	-	2	4	-	2	-	1	9	2.6
C33-C34	Lung	-	-	-	-	-	-	-	1	-	1	3	-	5	4	1	4	19	5.5
C37-C38	Other Thoracic oragan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	-	1	-	-	1	-	1	-	-	-	-	1	5	1.4
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.3
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	3	0.9
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	3	0.9
C50	Breast	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2	0.6
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	1	3	1	-	-	5	1.4
C61	Prostate	-	-	-	-	-	-	-	-	-	-	-	-	2	4	3	6	15	4.3
C62	Testis	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.3
C63	Oth male genital org	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney ect.	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	-	5	1.4
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	3	2	-	2	1	8	2.3
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0.6
C70-C72	Brain, NS	-	-	-	-	-	-	1	-	3	1	-	3	3	1	1	-	13	3.7
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.3
C82-C86, C96	NHL	-	1	1	1	-	-	1	-	-	-	-	-	-	-	-	1	5	1.4
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	4	1.2
C91	Lymphoid Leuk.	-	-	-	-	-	-	1	-	1	1	-	-	2	-	-	-	5	1.4
C92-C94	Myeloid Leukemia	-	-	1	-	1	1	-	-	-	1	-	1	-	-	-	1	6	1.7
C95	Leukemia Uns	1	-	-	-	-	1	1	-	1	2	1	-	3	1	-	3	14	4.0
Other & Unspecified*		1	-	-	1	1	-	1	3	1	5	6	9	8	11	7	14	68	19.6
Total		3	1	2	3	2	8	8	7	15	33	36	44	66	44	33	42	347	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

**Table 34: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2015 – Females
Sangrur District (% = Relative Proportion of Cancers of All Sites)**

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.3
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	3	1.0
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	0.7
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	0.7
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.3
C12-C13	Hypopharynx	-	-	-	-	-	-	-	1	-	1	-	-	2	-	-	-	4	1.3
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	1	2	-	2	3	7	7	3	4	4	2	35	11.6
C16	Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4	1.3
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C18	Colon	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	3	1.0
C19-C20	Rectum	-	-	-	-	-	1	1	-	-	-	1	2	-	-	1	-	6	2.0
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	2	2	1	2	1	-	1	9	3.0
C23-C24	Gall Bladder	-	-	-	-	-	-	1	1	1	1	3	3	3	2	1	6	22	7.3
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	2	1	-	1	-	1	6	2.0
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	3	1.0
C33-C34	Lung	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	2	5	1.7
C37-C38	Other Thoracic oragan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	2	0.7
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.3
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	0.7
C50	Breast	-	-	-	-	-	-	2	3	5	4	11	5	9	5	-	4	48	15.9
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	3	1.0
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.7
C53	Cervix Uteri	-	-	-	-	-	-	-	2	6	6	8	5	7	2	2	3	41	13.6
C54	Corpus Uteri	-	-	-	-	-	-	-	-	1	1	1	-	1	1	-	-	5	1.7
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C56	Ovary etc.	-	-	-	-	-	-	1	2	2	2	4	6	1	1	-	-	19	6.3
C57	Oth female genital org	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	0.7
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	1	-	-	-	2	-	-	1	1	1	1	1	1	1	2	12	4.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	4	1.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	NHL	-	-	-	-	-	-	-	-	-	1	1	1	-	-	1	-	4	1.3
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid Leuk.	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	1	4	1.3
C92-C94	Myeloid Leukemia	-	-	-	1	1	-	-	-	-	-	1	1	-	-	1	-	5	1.7
C95	Leukemia Uns	-	-	-	1	1	-	-	2	1	-	-	-	-	-	1	-	6	2.0
Other & Unspecified*		-	-	-	-	-	-	-	2	3	6	5	4	3	4	2	4	33	10.9
	Total	-	2	-	2	3	4	7	13	22	30	52	45	39	32	17	34	302	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 35: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 Population: 2015 – Males Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	0.1	0.1	-
C01-02	-	-	-	-	-	-	1.5	-	1.8	7.8	2.4	13.8	9.2	7.9	10.5	-	1.9	2.2	5.2
C03-06	-	-	-	-	-	-	-	-	3.5	3.9	12.0	-	9.2	4.0	-	-	1.4	1.5	4.5
C07-C08	-	-	-	-	-	-	-	-	-	-	2.4	-	-	4.0	-	-	0.2	0.2	0.4
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	4.5	0.2	0.2	-
C10	-	-	-	-	-	-	-	-	-	1.9	-	3.4	15.3	-	5.3	-	0.9	1.0	2.8
C11	-	-	-	-	-	-	-	-	-	1.9	-	3.4	-	-	-	-	0.2	0.3	0.8
C12-C13	-	-	-	-	-	-	-	-	-	-	2.4	-	3.1	7.9	5.3	4.5	0.6	0.7	0.8
C14	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C15	-	-	-	-	-	2.5	1.5	3.3	1.8	11.7	2.4	24.1	18.4	27.8	10.5	13.6	4.1	4.4	9.1
C16	-	-	-	-	-	-	-	-	-	5.8	4.8	-	-	4.0	-	4.5	0.8	0.8	1.9
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	1.8	3.9	-	-	3.1	-	-	-	0.4	0.5	1.5
C19-C20	-	-	-	-	-	-	-	-	1.8	-	2.4	-	9.2	-	-	-	0.5	0.6	1.9
C21	-	-	-	-	-	1.3	-	-	-	-	-	-	-	4.0	10.5	-	0.4	0.4	-
C22	-	-	-	-	-	-	-	1.6	-	1.9	9.6	3.4	12.3	4.0	10.5	4.5	1.6	1.7	4.3
C23-C24	-	-	-	-	-	1.3	-	-	-	-	9.6	3.4	6.1	4.0	10.5	4.5	1.3	1.4	2.8
C25	-	-	-	-	-	-	-	-	-	3.9	4.8	6.9	9.2	4.0	10.5	-	1.3	1.4	3.6
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	0.2	0.2	0.8
C32	-	-	-	-	-	-	-	-	-	-	4.8	13.8	-	7.9	-	4.5	1.0	1.1	2.5
C33-C34	-	-	-	-	-	-	-	1.6	-	1.9	7.2	-	15.3	15.9	5.3	18.2	2.1	2.1	3.8
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	1.0	-	1.3	-	-	1.8	-	2.4	-	-	-	-	4.5	0.5	0.5	0.7
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	0.1	0.1	-
C44	-	-	-	-	-	-	-	-	-	-	-	3.4	3.1	-	5.3	-	0.3	0.4	0.8
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	1.5	-	-	-	2.4	-	-	-	-	4.5	0.3	0.3	0.4
C50	-	-	-	-	-	-	-	-	1.8	-	-	3.4	-	-	-	-	0.2	0.2	0.8
C60	-	-	-	-	-	-	-	-	-	-	-	3.4	9.2	4.0	-	-	0.5	0.6	1.6
C61	-	-	-	-	-	-	-	-	-	-	-	-	6.1	15.9	15.8	27.3	1.6	1.6	0.8
C62	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.3
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	6.9	3.1	-	10.5	-	0.5	0.6	1.3
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	10.3	6.1	-	10.5	4.5	0.9	1.0	2.1
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	0.2	0.3	-
C70-C72	-	-	-	-	-	-	1.5	-	5.3	1.9	-	10.3	9.2	4.0	5.3	-	1.4	1.5	3.9
C73	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C82-C85,C96	-	1.2	1.1	1.0	-	-	1.5	-	-	-	-	-	-	-	-	4.5	0.5	0.5	-
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	9.2	4.0	-	-	0.4	0.5	1.2
C91	-	-	-	-	-	-	1.5	-	1.8	1.9	-	-	6.1	-	-	-	0.5	0.6	1.5
C92-C94	-	-	1.1	-	1.1	1.3	-	-	-	1.9	-	3.4	-	-	-	4.5	0.6	0.6	0.8
C95	1.4	-	-	-	-	-	1.3	1.5	-	1.8	3.9	2.4	-	9.2	4.0	-	1.5	1.6	2.7
O & U *	1.4	-	-	1.0	1.1	-	1.5	4.9	1.8	9.7	14.3	31.0	24.5	43.7	36.8	63.7	7.4	7.7	12.7
Total	4.2	1.2	2.2	3.0	2.1	10.1	12.3	11.5	26.3	64.2	86.1	151.5	202.3	174.7	173.4	191.0	37.5	39.9	79.3

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 36: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 population: 2015 – Females Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	0.1	0.1	-
C01-C02	-	-	-	-	-	-	-	-	-	-	-	3.5	-	4.4	-	4.7	0.4	0.4	0.4
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	4.7	0.2	0.2	0.4
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	3.5	-	4.4	-	-	0.2	0.3	0.4
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C12-C13	-	-	-	-	-	-	-	1.7	-	2.1	-	-	5.9	-	-	-	0.5	0.5	1.5
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	1.4	3.2	-	3.6	6.2	19.3	24.3	8.9	17.6	25.3	9.3	4.3	4.4	9.3
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	14.0	0.5	0.4	-
C17	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	-	-	-	-	-	-	5.5	3.5	-	-	-	-	0.4	0.4	1.3
C19-C20	-	-	-	-	-	1.4	1.6	-	-	-	2.8	6.9	-	-	6.3	-	0.7	0.7	1.3
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	4.2	5.5	3.5	5.9	4.4	-	4.7	1.1	1.1	2.9
C23-C24	-	-	-	-	-	-	1.6	1.7	1.8	2.1	8.3	10.4	8.9	8.8	6.3	27.9	2.7	2.6	4.9
C25	-	-	-	-	-	-	-	-	-	2.1	5.5	3.5	-	4.4	-	4.7	0.7	0.8	1.7
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	2.1	2.8	3.5	-	-	-	-	0.4	0.4	1.3
C33-C34	-	-	-	-	-	-	-	-	-	-	-	-	3.0	8.8	-	9.3	0.6	0.6	0.4
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	6.3	-	0.2	0.3	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	0.1	0.1	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	1.5	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	0.2	0.3	-
C50	-	-	-	-	-	-	3.2	5.1	9.0	8.3	30.3	17.4	26.6	22.0	-	18.6	5.9	5.8	14.9
C51	-	-	-	-	-	-	-	-	-	-	-	-	3.0	8.8	-	-	0.4	0.4	0.4
C52	-	-	-	-	-	-	-	-	-	-	-	3.5	3.0	-	-	-	0.2	0.3	0.8
C53	-	-	-	-	-	-	-	3.4	10.8	12.5	22.0	17.4	20.7	8.8	12.6	14.0	5.0	5.0	13.6
C54	-	-	-	-	-	-	-	-	1.8	2.1	2.8	-	3.0	4.4	-	-	0.6	0.6	1.6
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	0.1	0.1	-
C56	-	-	-	-	-	-	1.6	3.4	3.6	4.2	11.0	20.8	3.0	4.4	-	-	2.3	2.4	7.0
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	4.7	0.2	0.2	0.4
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	0.1	0.1	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.5	-	-	-	2.8	-	-	1.8	2.1	2.8	3.5	3.0	4.4	6.3	9.3	1.5	1.4	2.0
C73	-	-	-	-	-	-	-	-	-	-	2.8	-	3.0	4.4	-	4.7	0.5	0.5	0.8
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	-	-	-	-	-	-	-	-	-	2.1	2.8	3.5	-	-	6.3	-	0.5	0.5	1.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	-	-	-	-	1.2	-	-	-	-	-	-	3.5	3.0	-	-	4.7	0.5	0.4	0.8
C92-C94	-	-	-	1.3	1.2	-	-	-	-	-	2.8	3.5	-	-	6.3	-	0.6	0.6	0.9
C95	-	-	-	1.3	1.2	-	-	3.4	1.8	-	-	-	-	-	6.3	-	0.7	0.6	1.0
O & U*	-	-	-	-	-	-	-	3.4	5.4	12.5	13.8	13.9	8.9	17.6	12.6	18.6	4.0	4.0	9.3
Total	-	3.1	-	2.5	3.6	5.5	11.3	22.0	39.7	62.3	143.0	156.2	115.2	140.5	107.4	158.3	36.9	36.9	82.1

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Standard registry tables for the year 2016

**Table 37: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2016 – Males
Sangrur District**

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C01-C02	Tongue	-	-	-	-	-	-	-	1	2	2	2	5	9	1	4	2	28	5.0
C03-C06	Mouth	-	-	-	-	-	-	1	-	1	3	5	6	3	5	2	4	30	5.4
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	2	5	0.9
C09	Tonsil	-	-	-	-	-	-	-	1	1	-	2	-	3	1	1	1	10	1.8
C10	Other Oropharynx	-	-	-	-	-	-	-	1	1	-	4	2	-	-	-	1	9	1.6
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	-	-	4	3	1	1	10	1.8
C14	Pharynx Unspecified	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C15	Oesophagus	-	-	-	-	-	-	1	2	4	6	6	6	4	8	7	9	53	9.5
C16	Stomach	-	-	-	-	-	-	2	-	1	1	1	3	5	1	-	1	15	2.7
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	2	1	1	-	1	-	-	-	2	7	1.3
C19-C20	Rectum	-	-	-	-	-	1	-	-	-	1	1	2	4	-	1	-	10	1.8
C21	Anus & Anal Canal	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	0.4
C22	Liver	-	-	-	-	-	1	-	2	2	7	7	10	8	9	2	4	52	9.3
C23-C24	Gall Bladder	-	-	-	-	-	-	1	-	-	1	4	-	4	1	3	-	14	2.5
C25	Pancreas	-	-	-	-	-	-	-	1	-	1	2	1	2	4	-	1	12	2.2
C30-C31	Nose, sinuses etc.	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2	0.4
C32	Larynx	-	-	-	-	-	-	-	2	1	3	2	9	6	7	1	3	34	6.1
C33-C34	Lung	-	-	-	-	1	-	1	1	1	3	-	10	4	2	2	1	26	4.7
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	-	1	-	1	1	-	-	-	1	-	-	-	1	6	1.1
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	-	-	1	1	-	1	2	4	1	3	2	2	17	3.1
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-	-	3	0.5
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	0.4
C60	Penis	-	-	-	-	-	-	-	-	-	2	-	-	3	1	-	2	8	1.4
C61	Prostate	-	-	-	-	-	-	-	-	-	-	1	3	7	6	11	11	39	7.0
C62	Testis	-	-	-	-	1	-	1	1	-	-	1	-	-	-	-	-	4	0.7
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney ect.	-	1	-	-	1	-	-	-	-	1	-	1	-	-	-	2	6	1.1
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	1	-	-	5	1	3	-	2	1	13	2.3
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C70-C72	Brain, NS	-	1	-	1	-	1	-	-	-	-	2	3	-	-	1	-	9	1.6
C73	Thyroid	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	2	0.4
C82-C85, C96	NHL	2	-	-	-	-	-	3	1	1	2	1	1	2	2	-	1	16	2.9
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	2	3	-	1	2	8	1.4
C91	Lymphoid Leuk.	3	1	3	1	-	-	-	-	-	2	1	-	1	2	-	1	15	2.7
C92-C94	Myeloid Leukemia	1	-	1	-	-	1	2	1	-	1	1	1	1	-	3	1	14	2.5
C95	Leukemia Uns	-	2	1	-	1	-	-	3	-	-	3	1	-	-	1	2	14	2.5
Other & Unspecified*		-	-	-	-	1	1	1	-	1	4	4	8	9	10	10	7	56	10.1
	Total	7	5	7	3	8	6	15	24	17	46	59	84	86	67	56	67	557	100.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 38: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2016 – Females
Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	1	-	-	-	1	2	2	-	-	3	9	1.5
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1	1	6	1.0
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2	0.3
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	0.3
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C12-C13	Hypopharynx	-	-	-	-	1	-	-	1	-	1	2	1	-	-	-	-	6	1.0
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	1	-	-	-	3	6	2	6	7	7	5	7	44	7.4
C16	Stomach	-	-	-	-	-	-	1	-	-	1	3	1	1	3	-	2	12	2.0
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	0.3
C18	Colon	-	-	-	-	-	-	1	-	-	2	2	2	1	1	-	-	9	1.5
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	3	2	-	2	1	-	1	9	1.5
C23-C24	Gall Bladder	-	-	-	-	-	-	-	2	3	6	5	5	4	6	3	2	36	6.1
C25	Pancreas	-	-	-	1	-	-	-	1	-	2	1	2	2	-	-	1	10	1.7
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.3
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	1	5	0.8
C33-C34	Lung	-	-	-	-	-	-	-	-	1	-	-	3	-	1	4	1	10	1.7
C37-C38	Other Thoracic oragan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	1	-	2	-	-	-	-	1	1	-	-	5	0.8
C43	Melanoma of skin	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.2
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.3
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	1	-	-	-	2	-	-	-	1	1	-	-	1	-	6	1.0
C50	Breast	-	-	-	-	-	5	11	10	15	18	27	19	15	21	15	6	162	27.2
C51	Vulva	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	1	5	0.8
C52	Vagina	-	-	-	-	-	-	-	-	-	2	1	-	2	-	2	-	7	1.2
C53	Cervix Uteri	-	-	-	-	-	-	2	2	10	11	12	5	18	6	2	6	74	12.4
C54	Corpus Uteri	-	-	-	-	-	-	-	-	1	3	1	1	2	1	1	-	10	1.7
C55	Uterus unspecified	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2	0.3
C56	Ovary etc.	-	-	-	-	2	-	1	3	-	3	7	11	6	2	3	3	41	6.9
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	1	-	1	-	-	-	-	1	1	1	-	1	1	-	-	1	8	1.3
C65	Renal Pelvis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.2
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	1	-	-	3	-	1	1	6	1.0
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	0.3
C70-C72	Brain, NS	-	-	-	-	-	-	-	1	-	3	-	-	1	-	-	-	5	0.8
C73	Thyroid	-	-	-	-	-	2	3	1	1	1	2	-	2	1	-	2	15	2.5
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	3	-	-	-	-	-	2	1	-	-	-	1	7	1.2
C82-C85, C96	NHL	-	1	-	-	-	-	-	-	1	2	1	1	1	2	-	-	9	1.5
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid Leuk.	1	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	4	0.7
C92-C94	Myeloid Leukemia	-	-	1	-	-	2	-	1	-	3	1	1	3	1	-	-	13	2.2
C95	Leukemia Uns	-	-	-	-	-	1	-	-	1	-	-	-	1	1	-	-	4	0.7
Other & Unspecified*		1	-	-	-	-	3	-	-	3	3	4	1	8	6	7	4	40	6.7
Total		3	1	3	1	7	15	23	26	42	74	80	71	88	67	48	46	595	100.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 39: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 Population: 2016 – Males Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	0.1	0.1	-
C01-02	-	-	-	-	-	-	-	1.6	3.5	3.8	4.7	17.0	27.3	3.9	20.8	9.0	3.0	3.3	8.2
C03-06	-	-	-	-	-	-	1.5	-	1.7	5.8	11.8	20.4	9.1	19.6	10.4	18.0	3.2	3.5	7.2
C07-C08	-	-	-	-	-	-	-	-	-	1.9	-	6.8	-	-	-	9.0	0.5	0.6	1.3
C09	-	-	-	-	-	-	-	1.6	1.7	-	4.7	-	9.1	3.9	5.2	4.5	1.1	1.1	2.6
C10	-	-	-	-	-	-	-	1.6	1.7	-	9.5	6.8	-	-	-	4.5	1.0	1.0	3.1
C11	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	5.2	-	0.2	0.2	0.4
C12-C13	-	-	-	-	-	-	-	-	-	1.9	-	-	12.1	11.8	5.2	4.5	1.1	1.1	1.9
C14	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C15	-	-	-	-	-	-	1.5	3.2	6.9	11.5	14.2	20.4	12.1	31.4	36.4	40.4	5.7	5.9	10.7
C16	-	-	-	-	-	-	3.0	-	1.7	1.9	2.4	10.2	15.1	3.9	-	4.5	1.6	1.7	4.4
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	3.2	1.7	1.9	-	3.4	-	-	-	9.0	0.7	0.7	1.8
C19-C20	-	-	-	-	-	1.2	-	-	-	1.9	2.4	6.8	12.1	-	5.2	-	1.1	1.2	3.2
C21	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	4.5	0.2	0.2	0.3
C22	-	-	-	-	-	1.2	-	3.2	3.5	13.5	16.5	34.0	24.2	35.3	10.4	18.0	5.6	6.1	14.1
C23-C24	-	-	-	-	-	-	1.5	-	-	1.9	9.5	-	12.1	3.9	15.6	-	1.5	1.6	3.5
C25	-	-	-	-	-	-	-	1.6	-	1.9	4.7	3.4	6.1	15.7	-	4.5	1.3	1.4	2.7
C30-C31	-	-	-	-	-	1.2	-	-	-	-	2.4	-	-	-	-	-	0.2	0.2	0.4
C32	-	-	-	-	-	-	-	3.2	1.7	5.8	4.7	30.6	18.2	27.5	5.2	13.5	3.6	4.0	9.1
C33-C34	-	-	-	-	1.0	-	1.5	1.6	1.7	5.8	-	34.0	12.1	7.8	10.4	4.5	2.8	3.1	7.7
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	1.1	-	1.0	-	1.5	1.6	-	-	-	3.4	-	-	-	4.5	0.6	0.6	0.8
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	1.5	1.6	-	1.9	4.7	13.6	3.0	11.8	10.4	9.0	1.8	1.9	3.6
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	1.0	-	-	-	-	-	1.9	2.4	-	-	-	-	-	0.3	0.3	0.8
C50	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	4.5	0.2	0.2	0.4
C60	-	-	-	-	-	-	-	-	-	3.8	-	-	9.1	3.9	-	9.0	0.9	0.9	1.9
C61	-	-	-	-	-	-	-	-	-	-	2.4	10.2	21.2	23.5	57.1	49.4	4.2	4.2	4.4
C62	-	-	-	-	1.0	-	1.5	1.6	-	-	2.4	-	-	-	-	-	0.4	0.4	0.7
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	1.2	-	-	1.0	-	-	-	-	1.9	-	3.4	-	-	-	9.0	0.6	0.6	0.8
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	1.6	-	-	11.8	3.4	9.1	-	10.4	4.5	1.4	1.5	3.8
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
C70-C72	-	1.2	-	1.0	-	1.2	-	-	-	-	4.7	10.2	-	-	5.2	-	1.0	1.1	2.1
C73	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	1.0	-	-	1.6	-	-	-	-	-	-	-	-	0.2	0.2	0.3
C82-C85,C96	2.7	-	-	-	-	-	4.5	1.6	1.7	3.8	2.4	3.4	6.1	7.8	-	4.5	1.7	1.9	3.0
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	6.8	9.1	-	5.2	9.0	0.9	0.9	2.1
C91	4.1	1.2	3.2	1.0	-	-	-	-	-	3.8	2.4	-	3.0	7.8	-	4.5	1.6	1.8	1.5
C92-C94	1.4	-	1.1	-	-	1.2	3.0	1.6	-	1.9	2.4	3.4	3.0	-	15.6	4.5	1.5	1.5	1.9
C95	-	2.4	1.1	-	1.0	-	-	4.9	-	-	7.1	3.4	-	-	5.2	9.0	1.5	1.5	2.5
O & U*	-	-	-	-	1.0	1.2	1.5	-	1.7	7.7	9.5	27.2	27.3	39.2	51.9	31.5	6.0	6.3	10.4
Total	9.6	6.1	7.5	2.9	8.3	7.5	22.7	39.0	29.5	88.5	139.4	285.9	260.5	262.9	290.8	301.1	59.5	63.3	123.4

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

**Table 40: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR)
Incidence Rate per 100,000 Population: 2016 – Females Sangrur District**

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	-	-	-	-	-	-	1.6	-	-	-	2.7	6.9	5.8	-	-	13.8	1.1	1.0	2.1
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	8.8	4.3	6.2	4.6	0.7	0.7	1.1
C07-C08	-	-	-	-	-	-	-	-	-	2.1	2.7	-	-	-	-	-	0.2	0.3	0.8
C09	-	-	-	-	-	-	-	-	1.8	-	-	-	2.9	-	-	-	0.2	0.2	0.7
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C12-C13	-	-	-	-	1.2	-	-	1.7	-	2.1	5.4	3.4	-	-	-	-	0.7	0.7	2.0
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	1.2	-	-	-	5.4	12.3	5.4	20.6	20.4	30.4	31.2	32.2	5.3	5.2	9.6
C16	-	-	-	-	-	-	1.6	-	-	2.1	8.2	3.4	2.9	13.0	-	9.2	1.5	1.5	2.5
C17	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	0.2	0.3	0.9
C18	-	-	-	-	-	-	1.6	-	-	4.1	5.4	6.9	2.9	4.3	-	-	1.1	1.1	2.9
C19-C20	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	0.1	0.1	-
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	6.2	5.4	-	5.8	4.3	-	4.6	1.1	1.1	2.8
C23-C24	-	-	-	-	-	-	-	3.3	5.4	12.3	13.6	17.1	11.7	26.0	18.7	9.2	4.4	4.4	1-
C25	-	-	-	1.2	-	-	-	1.7	-	4.1	2.7	6.9	5.8	-	-	4.6	1.2	1.2	3.2
C30-C31	-	-	-	-	-	-	-	-	-	-	2.7	3.4	-	-	-	-	0.2	0.3	0.9
C32	-	-	-	-	-	-	-	-	-	-	-	10.3	2.9	-	-	4.6	0.6	0.6	1.7
C33-C34	-	-	-	-	-	-	-	-	1.8	-	-	10.3	-	4.3	25.0	4.6	1.2	1.2	1.7
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	1.4	-	3.3	-	-	-	-	2.9	4.3	-	-	0.6	0.6	1.0
C43	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	4.6	0.2	0.2	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	1.4	-	-	-	3.2	-	-	-	2.7	3.4	-	-	6.2	-	0.7	0.7	0.9
C50	-	-	-	-	-	6.8	17.5	16.7	26.8	36.9	73.4	65.2	43.8	91.1	93.7	27.6	19.6	19.6	41.5
C51	-	-	-	-	-	-	-	-	-	2.1	-	-	-	4.3	12.5	4.6	0.6	0.6	0.4
C52	-	-	-	-	-	-	-	-	-	4.1	2.7	-	5.8	-	12.5	-	0.8	0.9	2.0
C53	-	-	-	-	-	-	3.2	3.3	17.8	22.6	32.6	17.1	52.6	26.0	12.5	27.6	8.9	8.8	22.7
C54	-	-	-	-	-	-	-	-	1.8	6.2	2.7	3.4	5.8	4.3	6.2	-	1.2	1.2	3.2
C55	-	-	-	-	-	1.4	-	-	1.8	-	-	-	-	-	-	-	0.2	0.2	0.3
C56	-	-	-	-	2.4	-	1.6	5.0	-	6.2	19.0	37.7	17.5	8.7	18.7	13.8	5.0	5.0	12.4
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	1.6	-	1.4	-	-	-	-	1.7	1.8	2.1	-	3.4	2.9	-	-	4.6	1.0	1.0	1.9
C65	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	0.1	0.1	0.3
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	2.1	-	-	8.8	-	6.2	4.6	0.7	0.7	1.5
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	4.6	0.2	0.2	0.4
C70-C72	-	-	-	-	-	-	-	1.7	-	6.2	-	-	2.9	-	-	-	0.6	0.6	1.9
C73	-	-	-	-	-	2.7	4.8	1.7	1.8	2.1	5.4	-	5.8	4.3	-	9.2	1.8	1.7	2.7
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	3.5	-	-	-	-	-	5.4	3.4	-	-	-	4.6	0.8	0.8	1.3
C82-C85,C96	-	1.5	-	-	-	-	-	-	1.8	4.1	2.7	3.4	2.9	8.7	-	-	1.1	1.2	2.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	1.6	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	0.5	0.6	-
C92-C94	-	-	1.4	-	-	2.7	-	1.7	-	6.2	2.7	3.4	8.8	4.3	-	-	1.6	1.6	3.5
C95	-	-	-	-	-	1.4	-	-	1.8	-	-	-	2.9	4.3	-	-	0.5	0.5	0.7
O & U*	1.6	-	-	-	-	4.1	-	-	5.4	6.2	10.9	3.4	23.4	26.0	43.7	18.4	4.8	4.8	7.4
Total	4.9	1.5	4.1	1.2	8.3	20.4	36.6	43.5	74.9	151.9	217.5	243.5	257.0	290.8	299.8	211.7	71.9	71.8	152.0

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 41: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2016 – Males
Sangrur District
% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C01-C02	Tongue	-	-	-	-	-	-	-	1	2	2	2	3	8	6	1	2	27	6.6
C03-C06	Mouth	-	-	-	-	-	-	-	-	2	2	1	-	4	1	3	2	15	3.7
C07-C08	Salivary glands	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	2	0.5
C09	Tonsil	-	-	-	-	-	-	-	1	-	2	1	4	1	-	1	-	10	2.4
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	4	1.0
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.5
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	1	1	3	1	2	1	10	2.4
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C15	Oesophagus	-	-	-	-	-	-	-	-	1	6	9	8	9	7	5	8	53	12.9
C16	Stomach	-	-	-	-	-	-	-	1	2	1	1	3	2	-	1	1	12	2.9
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	3	0.7
C19-C20	Rectum	-	-	-	-	-	1	-	1	-	-	1	1	2	-	-	1	7	1.7
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	0.5
C22	Liver	-	-	-	-	-	1	-	2	1	4	5	2	5	8	2	5	35	8.5
C23-C24	Gall Bladder	-	-	-	-	-	-	-	-	-	1	2	1	3	-	1	1	9	2.2
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	4	1	2	2	1	-	10	2.4
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	1	-	1	1	3	2	5	-	-	13	3.2
C33-C34	Lung	-	-	-	-	-	-	-	-	1	2	2	6	5	3	5	-	24	5.9
C37-C38	Other Thoracic oragan	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	-	-	1	-	-	-	-	-	1	2	-	-	-	-	4	1.0
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.2
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	3	0.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	3	0.7
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	Penis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	3	0.7
C61	Prostate	-	-	-	-	-	-	-	-	-	-	4	2	6	2	5	9	28	6.8
C62	Testis	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	0.5
C63	Oth male genital org	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney ect.	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	4	1.0
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	1	-	4	-	-	2	4	1	12	2.9
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	1	-	1	-	-	-	-	-	-	2	2	-	1	1	-	8	2.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C82-C86, C96	NHL	1	-	-	-	-	-	-	1	1	-	1	2	4	3	-	1	14	3.4
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.5
C91	Lymphoid Leuk.	-	1	-	2	-	-	-	-	-	-	-	1	-	2	1	1	8	2.0
C92-C94	Myeloid Leukemia	-	-	-	-	-	1	1	-	1	-	-	-	1	1	-	2	7	1.7
C95	Leukemia Uns	-	1	-	-	1	-	-	2	-	-	2	-	-	-	1	2	9	2.2
Other & Unspecified*		-	1	-	-	-	-	-	1	2	3	7	8	12	9	11	5	59	14.4
Total		1	4	-	5	4	5	2	12	14	28	55	53	76	56	49	46	410	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 42: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2016 – Females
Sangrur District (% = Relative Proportion of Cancers of All Sites)

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	2	5	1.3
C03-C06	Mouth	-	-	-	-	-	-	-	-	1	1	1	-	1	1	-	-	5	1.3
C07-C08	Salivary gland	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0.5
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	0.5
C10	Other oropharynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.3
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	0.5
C12-C13	Hypopharynx	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	3	0.8
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	1	1	-	2	3	6	2	4	6	4	4	8	41	11.0
C16	Stomach	-	-	-	-	-	-	1	-	1	-	1	1	2	2	-	1	9	2.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C18	Colon	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	5	1.3
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.3
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.5
C22	Liver	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	1	4	1.1
C23-C24	Gall Bladder	-	-	-	-	-	-	-	1	3	5	4	4	3	9	2	1	32	8.6
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	1	4	-	-	1	8	2.1
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Lung	-	-	-	-	-	-	-	-	-	1	3	-	2	-	3	2	11	2.9
C37-C38	Other Thoracic oragan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	1	4	1.1
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.3
C44	Other skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	3	0.8
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	3	0.8
C50	Breast	-	-	-	-	-	2	3	3	6	11	14	9	5	12	3	4	72	19.3
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.3
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.5
C53	Cervix Uteri	-	-	-	-	-	-	-	1	4	6	11	5	9	4	6	4	50	13.4
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-	-	5	1.3
C55	Uterus unspecified	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	2	0.5
C56	Ovary etc.	-	-	-	-	-	-	-	1	-	4	3	5	5	2	3	3	26	7.0
C57	Oth female genital org	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	3	0.8
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	-	-	-	1	1	3	-	1	-	-	-	-	6	1.6
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.3
C82-C85, C96	NHL	-	-	-	-	-	-	-	1	-	-	1	1	1	1	1	1	7	1.9
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.5
C91	Lymphoid Leuk.	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	0.5
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	4	1.1
C95	Leukemia Uns	-	-	-	-	-	1	-	1	1	-	-	-	1	-	-	-	4	1.1
Other & Unspecified*		1	-	-	-	-	2	-	1	3	2	7	-	8	7	6	2	39	10.5
Total		1	-	1	1	4	7	6	13	26	44	54	38	60	50	30	38	373	100

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 43: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 Population: 2016 – Males Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C01-02	-	-	-	-	-	-	-	1.6	3.5	3.8	4.7	10.2	24.2	23.5	5.2	9.0	2.9	3.1	6.9
C03-06	-	-	-	-	-	-	-	-	3.5	3.8	2.4	-	12.1	3.9	15.6	9.0	1.6	1.7	3.4
C07-C08	-	-	-	-	-	1.2	-	-	-	1.9	-	-	-	-	-	-	0.2	0.2	0.4
C09	-	-	-	-	-	-	-	1.6	-	3.8	2.4	13.6	3.0	-	5.2	-	1.1	1.2	3.6
C10	-	-	-	-	-	-	-	-	-	-	-	3.4	-	3.9	5.2	4.5	0.4	0.4	0.4
C11	-	-	-	-	-	-	-	-	-	-	2.4	3.4	-	-	-	-	0.2	0.3	0.8
C12-C13	-	-	-	-	-	-	-	-	-	1.9	2.4	3.4	9.1	3.9	10.4	4.5	1.1	1.1	2.4
C14	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C15	-	-	-	-	-	-	-	-	1.7	11.5	21.3	27.2	27.3	27.5	26.0	36.0	5.7	6.1	13.0
C16	-	-	-	-	-	-	-	1.6	3.5	1.9	2.4	10.2	6.1	-	5.2	4.5	1.3	1.4	3.8
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	1.5	1.6	-	-	-	-	-	-	-	4.5	0.3	0.3	0.3
C19-C20	-	-	-	-	-	1.2	-	1.6	-	-	2.4	3.4	6.1	-	-	4.5	0.7	0.8	1.9
C21	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	4.5	0.2	0.2	0.4
C22	-	-	-	-	-	1.2	-	3.2	1.7	7.7	11.8	6.8	15.1	31.4	10.4	22.5	3.7	3.9	7.2
C23-C24	-	-	-	-	-	-	-	-	-	1.9	4.7	3.4	9.1	-	5.2	4.5	1.0	1.0	2.7
C25	-	-	-	-	-	-	-	-	-	-	9.5	3.4	6.1	7.8	5.2	-	1.1	1.2	2.7
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	1.6	-	1.9	2.4	10.2	6.1	19.6	-	-	1.4	1.6	3.2
C33-C34	-	-	-	-	-	-	-	-	1.7	3.8	4.7	20.4	15.1	11.8	26.0	-	2.6	2.9	6.4
C37-C38	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C40-C41	-	-	-	-	1.0	-	-	-	-	-	2.4	6.8	-	-	-	-	0.4	0.5	1.3
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	0.1	0.1	-
C44	-	-	-	-	-	-	-	-	-	-	2.4	-	-	7.8	-	-	0.3	0.4	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	1.0	-	-	-	-	-	-	2.4	-	3.0	-	-	-	0.3	0.3	0.8
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	5.2	4.5	0.3	0.3	0.4
C61	-	-	-	-	-	-	-	-	-	-	9.5	6.8	18.2	7.8	26.0	40.4	3.0	3.0	4.7
C62	-	-	-	-	1.0	1.2	-	-	-	-	-	-	-	-	-	-	0.2	0.2	-
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	1.9	2.4	-	6.1	-	-	-	0.4	0.5	1.5
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	1.7	-	9.5	-	-	7.8	20.8	4.5	1.3	1.3	1.9
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.2	-	1.0	-	-	-	-	-	-	4.7	6.8	-	3.9	5.2	-	0.9	0.9	1.6
C73	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C82-C85,C96	1.4	-	-	-	-	-	-	1.6	1.7	-	2.4	6.8	12.1	11.8	-	4.5	1.5	1.7	3.5
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	5.2	-	0.2	0.2	0.4
C91	-	1.2	-	2.0	-	-	-	-	-	-	-	3.4	-	7.8	5.2	4.5	0.9	0.9	0.4
C92-C94	-	-	-	-	-	1.2	1.5	-	1.7	-	-	-	3.0	3.9	-	9.0	0.7	0.7	0.7
C95	-	1.2	-	-	1.0	-	-	3.2	-	-	4.7	-	-	-	5.2	9.0	1.0	0.9	1.4
O & U *	-	1.2	-	-	-	-	-	1.6	3.5	5.8	16.5	27.2	36.4	35.3	57.1	22.5	6.3	6.8	13.0
Total	1.4	4.9	0.0	4.9	4.2	6.2	3.0	19.5	24.3	53.9	130.0	180.4	230.2	219.8	254.5	206.7	43.8	46.7	92.8

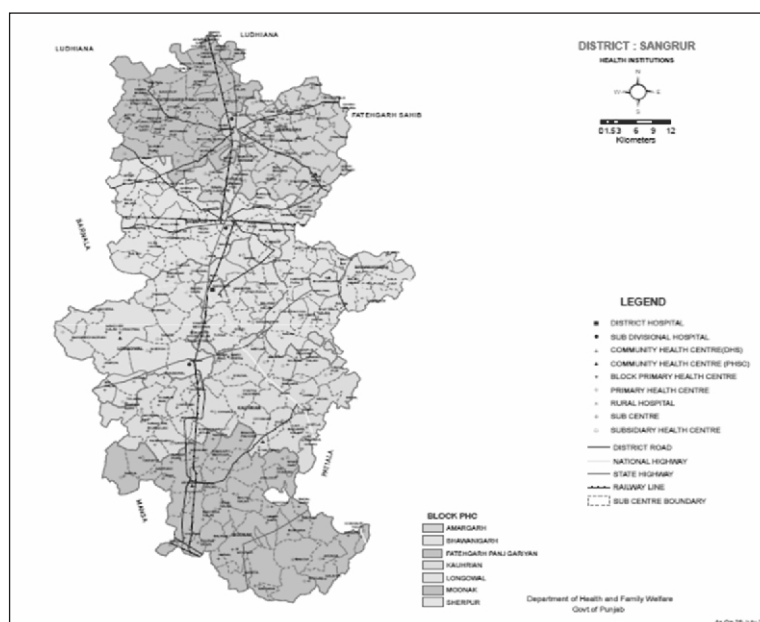
* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 44: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 population: 2016 – Females Sangrur District

ICD 10	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	-	-	-	-	-	-	-	-	-	-	2.7	-	2.9	4.3	-	9.2	0.6	0.6	0.8
C03-C06	-	-	-	-	-	-	-	-	1.8	2.1	2.7	-	2.9	4.3	-	-	0.6	0.6	1.6
C07-C08	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	4.6	0.2	0.2	-
C09	-	-	-	-	-	-	-	-	1.8	-	2.7	-	-	-	-	-	0.2	0.2	0.8
C10	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.3
C11	-	-	-	-	-	-	-	-	-	-	-	-	2.9	4.3	-	-	0.2	0.2	0.4
C12-C13	-	-	-	-	1.2	-	-	-	-	2.1	-	-	2.9	-	-	-	0.4	0.3	0.8
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	1.2	1.4	-	3.3	5.4	12.3	5.4	13.7	17.5	17.4	25.0	36.8	5.0	4.7	9.0
C16	-	-	-	-	-	-	1.6	-	1.8	-	2.7	3.4	5.8	8.7	-	4.6	1.1	1.1	2.0
C17	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	-	-	-	-	1.8	2.1	2.7	3.4	2.9	-	-	-	0.6	0.6	2.0
C19-C20	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	0.1	0.1	0.4
C21	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	0.2	0.2	0.8
C22	-	-	-	-	-	-	-	-	-	2.1	-	3.4	2.9	-	-	4.6	0.5	0.5	1.2
C23-C24	-	-	-	-	-	-	-	1.7	5.4	10.3	10.9	13.7	8.8	39.1	12.5	4.6	3.9	4.0	8.0
C25	-	-	-	-	-	-	-	-	-	2.1	2.7	3.4	11.7	-	-	4.6	1.0	1.0	2.8
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	-	2.1	8.2	-	5.8	-	18.7	9.2	1.3	1.3	2.5
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	1.2	1.2	-	-	-	-	-	-	-	2.9	-	-	4.6	0.5	0.4	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	0.1	0.1	0.4
C44	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	9.2	0.4	0.3	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	-	3.4	-	4.3	6.2	-	0.4	0.4	0.4
C50	-	-	-	-	-	2.7	4.8	5.0	10.7	22.6	38.1	30.9	14.6	52.1	18.7	18.4	8.7	8.8	19.4
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	0.1	0.1	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	0.2	0.2	0.8
C53	-	-	-	-	-	-	-	1.7	7.1	12.3	29.9	17.1	26.3	17.4	37.5	18.4	6.0	6.1	14.5
C54	-	-	-	-	-	-	-	-	-	-	2.7	-	-	17.4	-	-	0.6	0.7	0.4
C55	-	-	-	-	-	1.4	-	-	-	-	-	-	-	4.3	-	-	0.2	0.2	-
C56	-	-	-	-	-	-	-	1.7	-	8.2	8.2	17.1	14.6	8.7	18.7	13.8	3.1	3.2	7.3
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	1.6	1.7	-	-	-	-	-	-	-	4.6	0.4	0.3	0.3
C65	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	-	1.7	1.8	6.2	-	3.4	-	-	-	-	0.7	0.7	2.3
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	0.1	0.1	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	0.1	0.1	-
C82-C85, C96	-	-	-	-	-	-	-	1.7	-	-	2.7	3.4	2.9	4.3	6.2	4.6	0.8	0.8	1.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	2.7	3.4	-	-	-	-	0.2	0.3	0.9
C91	-	-	-	-	1.2	-	1.6	-	-	-	-	-	-	-	-	-	0.2	0.2	-
C92-C94	-	-	-	-	-	-	-	-	-	-	-	3.4	5.8	-	-	4.6	0.5	0.5	1.2
C95	-	-	-	-	-	1.4	-	1.7	1.8	-	-	-	2.9	-	-	-	0.5	0.4	1.0
O & U*	1.6	-	-	-	-	2.7	-	1.7	5.4	4.1	19.0	-	23.4	30.4	37.5	9.2	4.7	4.8	8.2
Total	1.6	-	1.4	1.2	4.7	9.5	9.6	21.8	46.4	90.3	146.8	130.3	175.2	217.0	187.3	174.9	45.1	45.0	93.8

* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

20. Village-wise Incidence and Mortality Cases : 2015 – 2016



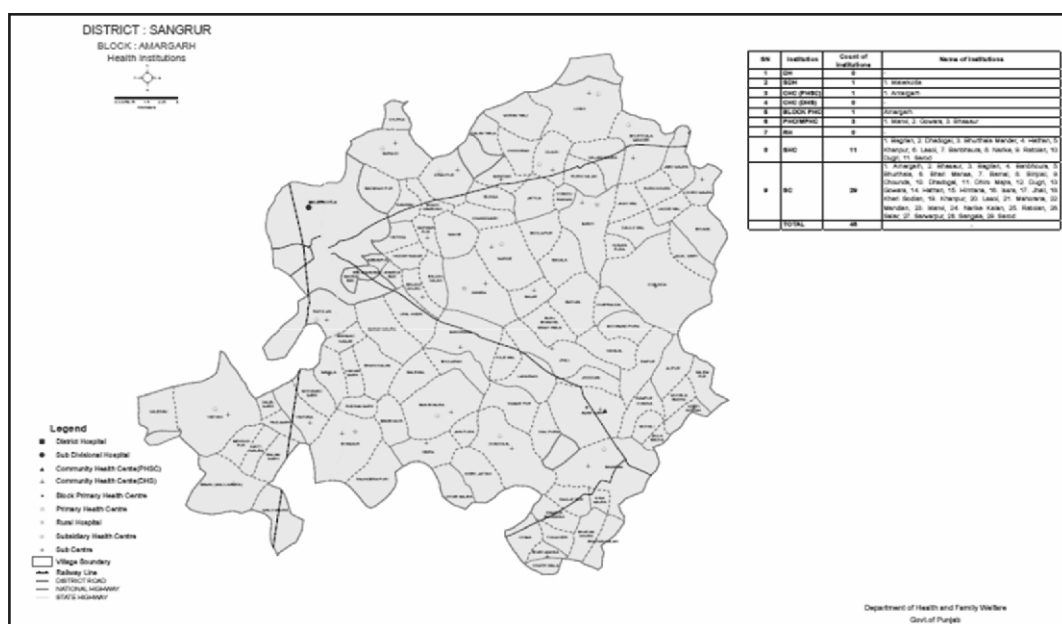
Village -wise Cancer Incidence Cases and Mortality Cases: Sangrur District

Block	2013 - 2014		2015 - 2016	
	Incidence	Mortality	Incidence	Mortality
Urban Area of Sangrur	359	147	466	254
Amargarh	181	126	206	161
Bhawanigarh	131	81	180	132
Fatehgarh Panjgarian	188	120	257	166
Kauhrian	233	170	284	162
Longowal	202	144	252	149
Moonak	282	184	365	274
Sherpur	176	105	193	133
Total	1752	1077	2203	1432

Cancer Incidence and Mortality in Urban Area of Sangrur District

Sr. No.	Urban	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Dhuri	56	20	84	47
2	Malerkotla	117	66	144	90
3	Sangrur	113	38	156	60
4	Sunam	73	23	82	57
Total		359	147	466	254

Village-wise Cancer Incidence Cases and Mortality Cases: Amargarh, Sangrur District



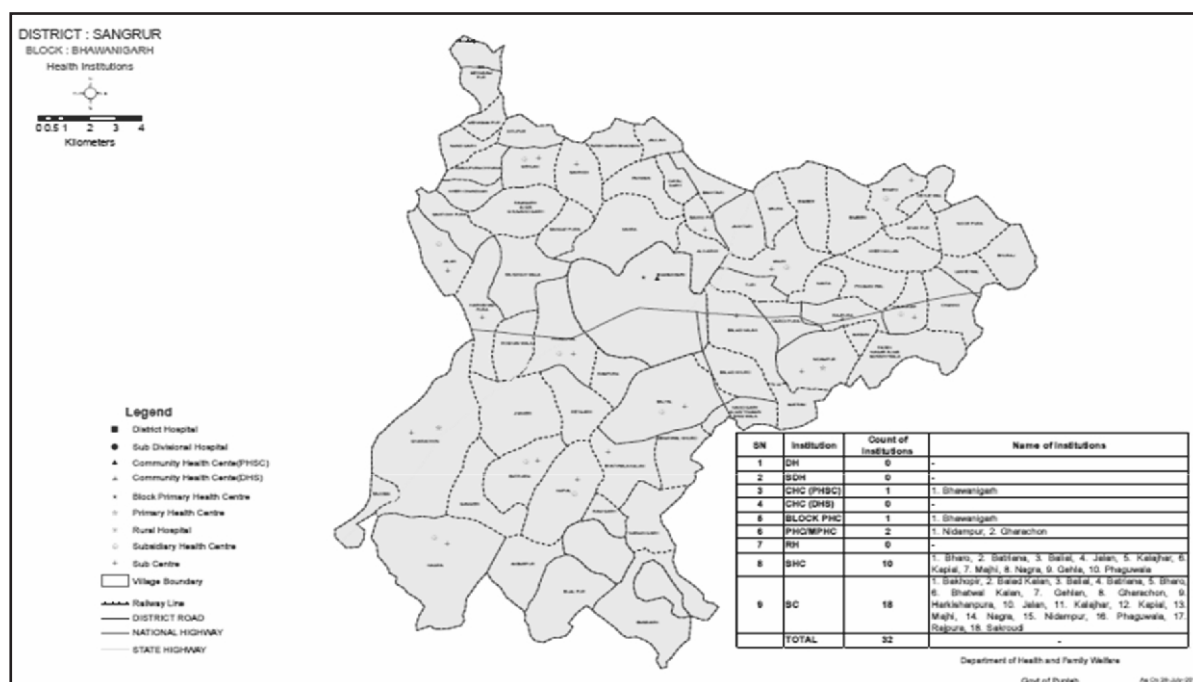
Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Ahmedabad	-	-	-	-
2	Alipur	2	-	4	2
3	Amargarh (Village)	6	8	11	9
4	Badesha	1	-	1	1
5	Badla	1	1	2	1
6	Badshahpur	-	-	1	-
7	Bagrian	10	5	4	8
8	Balamgarh	1	-	1	2
9	Bamal	8	3	3	2
10	Banbhoran (Budarheri)	7	4	3	5
11	Banbhor	2	1	2	3
12	Batha	3	5	-	1
13	Beer Ahmedabad	-	-	1	-
14	Bhaini Kalan	2	1	1	1
15	Bhaini Kamoan	-	2	4	3
16	Bhaini khurd	-	-	-	-
17	Bhari Mansa	1	2	4	2
18	Bhasaur	7	8	4	4
19	Bhattian Kalan	-	-	-	-
20	Bhattian Khurd	1	-	1	-

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
21	Bhullran	-	-	2	1
22	Bhumsi	-	-	-	-
23	Bhurthala Mander	3	-	6	5
24	Binjoki Kalan	2	1	2	-
25	Binjoki Khurd	2	-	6	5
26	Bullanpur	1	1	-	-
27	Bunga	-	-	-	-
28	Burj Baghel	-	-	4	3
29	Chandigarh	-	-	-	-
30	Chanduraia	-	-	-	-
31	Chaprauda	1	-	-	-
32	Chattriwala	-	-	-	-
33	Chaunda	5	4	10	9
34	Cheema (Amargarh Block)	-	-	3	2
35	Chhokran	2	-	1	3
36	Chupka	-	-	-	-
37	Dalanwal	1	2	1	-
38	Dalelgarh	2	3	4	3
39	Daulatpur Channa	-	-	-	1
40	Derogawal	-	1	-	1
41	Dhaddhogal	5	5	3	2
42	Dhiromajra	2	-	-	1
43	Dialpur Channa	1	1	-	-
44	Dolowal	1	-	2	-
45	Dugni	1	-	5	2
46	Dugri	5	3	4	4
47	Faizgarh	1	1	-	-
48	Gajjan Majra	-	-	2	1
49	Giga majra	-	-	-	1
50	Gowara	3	1	1	2
51	Haidarnagar	2	2	-	-
52	Hathan	4	2	8	2
53	Hathoa	1	1	3	2
54	Himtana	3	1	2	1
55	Husainpura (Amargarh Block)	-	-	-	-
56	Issra	5	5	3	3
57	jabomajra	3	-	1	1
58	jaggowal	-	-	4	3
59	Jainpur	-	-	-	-
60	Jalalgarh	1	1	-	1

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
61	Jati Majra	1	2	1	-
62	Jattuan	2	2	1	-
63	Jhall	3	-	4	4
64	Jhunda	-	-	-	-
65	Kaleran	1	1	2	5
66	Khanpur	-	1	4	-
67	Kheri Jattan	2	2	-	-
68	Kheri Sodhian	-	-	1	2
69	Iadewal	1	1	-	-
70	Langria	2	2	2	-
71	Lasoi	5	1	5	3
72	Lohar Majra	1	2	-	1
73	Mahorana	1	1	4	2
74	Malumajra	-	-	1	1
75	manak Majra	1	1	4	4
76	Mandian	3	2	1	2
77	Manvi	1	1	8	6
78	Mohala	1	-	2	1
79	Mohali	1	-	-	-
80	Mohamadgarh	1	2	-	-
81	Mohamadpur	-	-	1	-
82	moranwali	1	1	1	1
83	Mula Badan	-	-	-	-
84	Nangal	-	-	1	-
85	Narika Kalan	6	5	7	4
86	Narika Khurd	-	-	2	2
87	Niamatpur	3	-	-	-
88	Radwan	1	-	1	2
89	Raipur	4	3	2	1
90	Rajindra Puri	1	2	2	2
91	Rampur Bhindra	2	1	-	1
92	Rampur Channa	3	1	1	1
93	Ratolan (Amargarh Block)	1	-	3	1
94	Rurki Kalan	1	2	1	-
95	Rurki Khurd	1	-	2	-
96	Rustam Garh	-	-	1	-
97	Salar	1	2	4	2
98	Salempur (amargarh block)	1	-	-	1
99	Sampurargarh	-	-	-	-
100	Sangala	2	1	3	4

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
101	Sangali	1	1	-	-
102	Sarod	6	4	2	1
103	Sarwarpur	3	1	1	3
104	Sehke	3	2	-	-
105	Togaheri	1	1	-	-
106	Tolewal	1	-	-	-
107	Uppoki (Uppal Kheri)	2	3	7	1
Total		181	126	206	161

Village-wise Cancer Incidence Cases and Mortality Cases: Bhawanigarh, Sangrur District

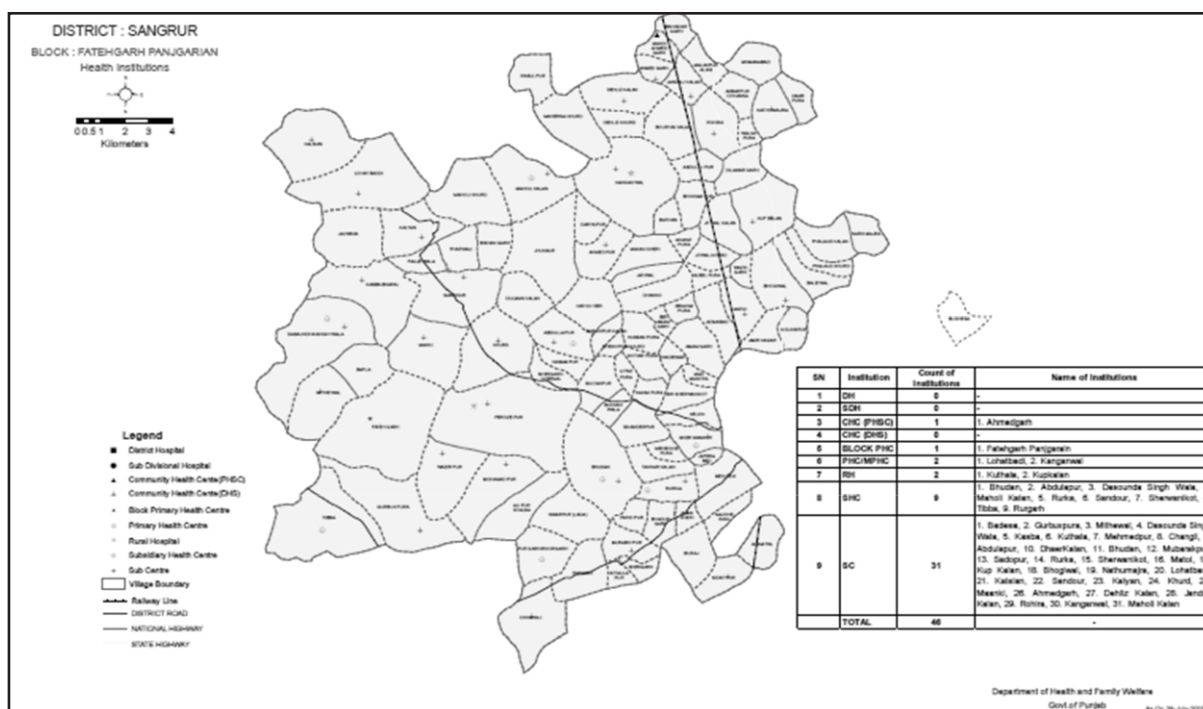


Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Akbarpur	5	4	1	1
2	Aloarkh	2	-	1	1
3	Bakhopir	1	1	2	3
4	Bakhtra	-	1	1	1
5	Bakhtri	1	-	1	1
6	Balad Kalan	5	5	3	2
7	Balad Khurd	1	1	-	-
8	Balad Kothi	1	-	-	1
9	Balial	7	1	3	4
10	Bassiarkh	4	1	4	3
11	Batriana	-	-	2	1
12	Bharaj	2	-	-	1
13	Bharo	-	-	3	1
14	Bhatiwal Kalan	4	1	10	7
15	Bhatiwal Khurd	-	-	1	-
16	Bhawanigarh	24	11	47	33
17	Bijalpur	-	-	1	-
18	Bimbar	-	-	-	-

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
19	Bimbari	-	1	1	-
20	Channo	-	-	-	-
21	Dehlewal	-	-	2	-
22	Dialgarh (Bhwanigarh Block)	2	1	2	1
23	Ditupura	1	1	-	-
24	Fatehgarh Bhadson	4	4	2	-
25	Gehlan	-	-	1	1
26	Ghamad Singh wala	-	-	-	-
27	Gharachon	10	8	17	13
28	Hardipura	2	1	-	2
29	Harkishanpura	-	-	2	-
30	Jalan	1	-	1	1
31	Jaulian	-	-	2	2
32	Jhaneri	4	3	3	3
33	Kakra	-	-	4	2
34	Kalajhar	3	2	1	1
35	Kapial	2	1	2	-
36	Kheri Chandwan	-	-	1	-
37	Kheri Gillan	1	-	-	-
38	Lakhewal	1	-	-	-
39	Majha	3	-	3	6
40	Majhi	3	2	4	1
41	Masani	-	-	-	-
42	Mattran	3	-	-	1
43	Mehsampur	1	3	3	3
44	Munshiwal	2	2	3	1
45	Nadampur	7	5	4	6
46	Nagra	2	4	12	5
47	Nakte	-	-	-	-
48	Nandgarh	-	-	1	-
49	Nandgarh (Thaman singh wala , Nawa Pind)	1	-	1	2
50	Naraingarh	1	1	3	1
51	Noorpura	1	-	3	1
52	Panwan	-	2	2	2
53	Phaguwala	2	1	7	2
54	Phamanwal	2	1	-	1
55	Rai Singh Wala	1	-	2	3
56	Rajpura	-	3	3	-
57	Ramgarh	1	-	-	1

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
58	Rampura (Bhawanigarh block)	5	3	2	3
59	Rasulpur chhana	1	-	-	1
60	Retgarh	1	1	1	1
61	Roshanwala	-	-	-	-
62	Sajuma	1	-	-	1
63	Sakrodi	2	1	1	1
64	Sangatpura (Bhawanigarh Block)	1	1	1	1
65	Sanghreri	1	2	-	1
66	Santokhpura	-	-	-	-
67	Shahpur (Bhawanigarh Block)	1	1	2	1
68	Turi	-	-	1	-
	Total	131	81	180	132

Village-wise Cancer Incidence Cases and Mortality Cases: Fatehgarh Panj Garian, Sangrur District



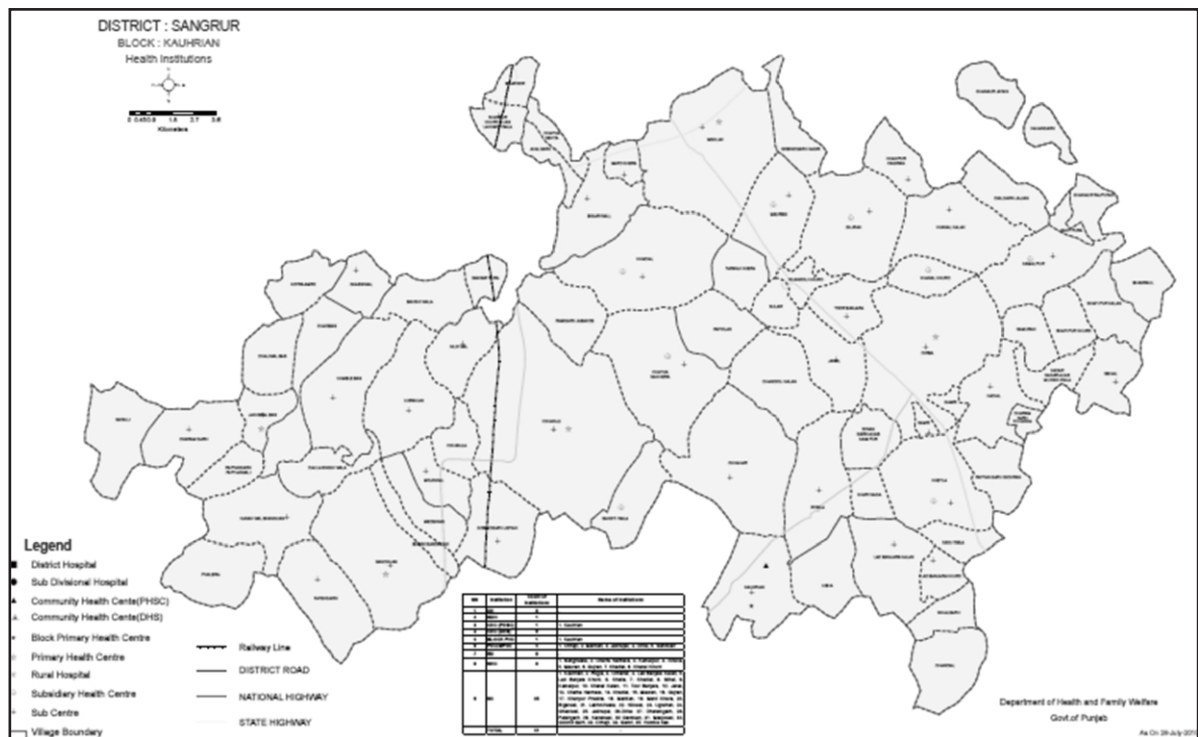
Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Aadam Wal	1	-	-	-
2	Aahen Kheri	1	1	1	-
3	Abdulapur	-	2	2	1
4	Ahmedgarh	16	12	30	18
5	Ahmedgarh Channa	-	-	1	-
6	Akbarpur Chhanna	3	1	1	1
7	Albelapur (Rodiwal)	-	-	2	2
8	Alipur Khalsa	2	3	5	1
9	Alipura	-	-	-	-
10	Amirnagar Dulma	4	-	3	4
11	Balewal	2	3	3	3
12	Bapla	1	-	1	-
13	Barkatpura	1	1	2	1
14	Bathan	2	-	3	2
15	Begowal	1	1	2	-
16	Bhogiwal	3	3	5	3
17	Bhudan	4	3	3	3
18	Bir Imamgarh	-	-	1	-

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
19	Bishangarh	1	-	1	1
20	Borhai Kalan	4	3	-	-
21	Borhai Khurd	-	1	1	-
22	Budhrawan	-	-	-	-
23	Bukanwal	-	1	1	1
24	Burj	1	1	3	2
25	Chak Kalan	1	2	2	1
26	Chak Khurd	1	-	-	1
27	Changli	3	2	4	1
28	Dasaunda Singh Wala	1	-	3	2
29	Dehliz kalan	1	1	-	-
30	Dehliz khurd	3	2	2	2
31	Dhadhewara	1	1	2	3
32	Dhadhewari	-	-	1	1
33	Dhaler Kalan	7	8	3	3
34	Dhaler Khurd	1	-	-	-
35	Dhano	1	1	2	-
36	Dulma Kalan	2	-	1	1
37	Falewal	2	2	1	-
38	Faridpur Kalan	-	-	-	-
39	Faridpur Khurd	-	-	1	1
40	Fatehgarh Panjgarian(Village)	6	3	4	3
41	Fojewal	-	-	-	-
42	Gurbaxpura	3	1	4	3
43	Hakimpura	2	3	-	-
44	Husainpura (F.Panj Block)	4	1	1	1
45	Ibrahimpura	-	-	1	-
46	Imamgarh	2	1	2	1
47	Isapur Landa	-	-	1	1
48	Jalwana	1	-	-	1
49	Jandali Kalan	1	1	2	-
50	Jandali Khurd	1	1	3	2
51	Jatiwal	1	1	1	1
52	Jatiwal Arian	-	-	1	-
53	Jhaner	4	2	1	1
54	Jitwal Kalan	2	-	3	2
55	Jitwal Khurd	2	-	2	1
56	Kalyan	2	1	7	3
57	Kanganwal	3	2	7	6

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
58	Kasapur	3	-	2	2
59	Kasba	3	4	1	-
60	Khurd	8	3	4	3
61	Kup Kalan	2	1	7	3
62	Kup Khurd	-	-	6	3
63	Kuthala	9	6	7	4
64	Madevi	2	-	1	4
65	Maherna Khurd	1	-	1	2
66	Mahmadpur	2	-	6	3
67	Maholi Kalan	2	-	5	1
68	Maholi Khurd	3	5	3	1
69	Manakheri+Anaditpura	2	2	2	3
70	Manki	-	3	4	3
71	Manmajra	-	-	1	-
72	Matoi	-	-	1	-
73	Mithewal	1	-	2	3
74	Momnabad	1	1	2	2
75	Mubarkpur	3	-	4	2
76	Naromajra	2	1	2	-
77	Nathoheri	1	1	2	1
78	Nathumajra	-	1	3	1
79	Naudhrani	3	1	2	3
80	Phalound Kalan	2	-	4	3
81	Phalound Khurd	1	-	1	1
82	Pharwahi	2	-	1	2
83	Pharwali	2	-	2	3
84	Rasulpur	1	-	-	1
85	Rohira	3	1	4	4
86	Roorgarh	1	1	1	1
87	Rurka	2	1	2	-
88	Sadipur	4	2	2	3
89	Sandaur	2	5	8	4
90	Sangain	2	2	1	-
91	Shergarh Cheema	-	-	3	3
92	Sherwanikot	3	2	-	-
93	Sikanderpura	3	2	2	2
94	Sultanpur Badesha	1	1	3	-
95	Takhar Kalan	1	1	2	-
96	Takhar Khurd	1	-	5	2

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
97	Tibba	2	1	8	3
98	Umarpura	-	-	3	1
99	Wazidpur Badesha (Rohno)	2	-	4	4
	Total	188	120	257	166

Village-wise Cancer Incidence Cases and Mortality Cases: Kauhrian, Sangrur District

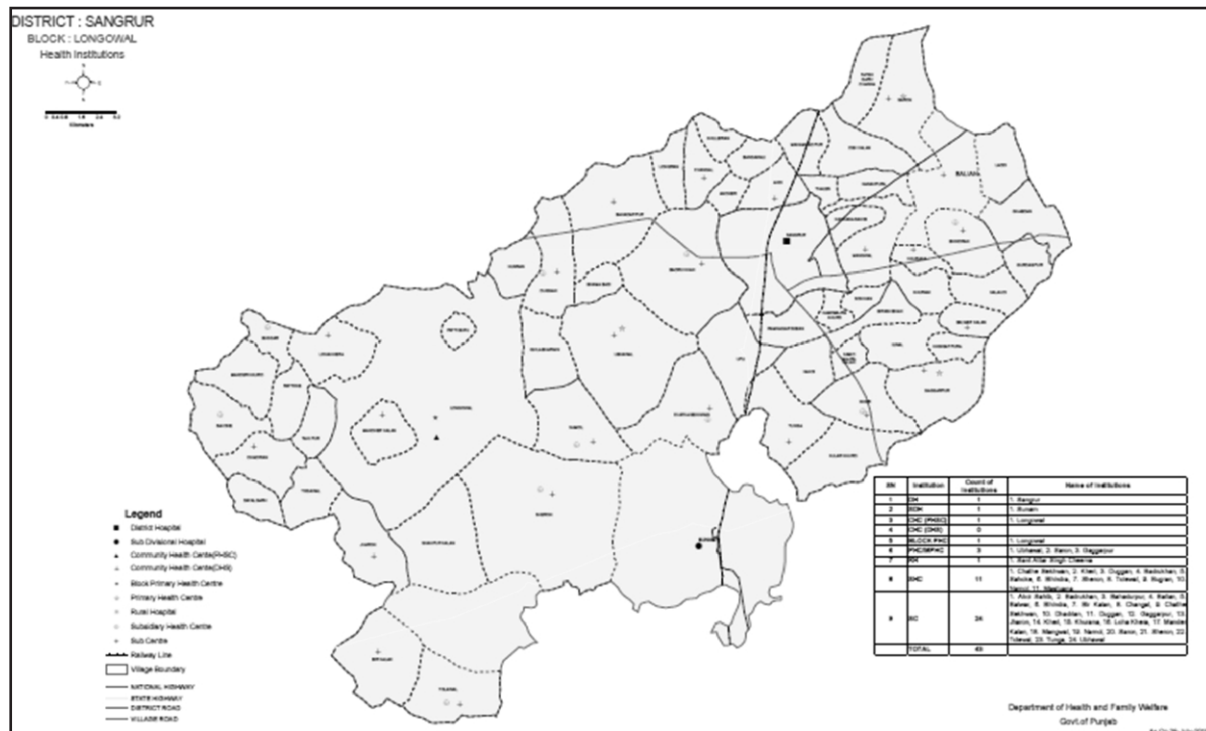


Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Akalgarh	1	-	2	2
2	Amrukotra	2	1	4	3
3	Baghrol	2	-	1	-
4	Bakshiwal	3	3	5	4
5	Bhaini	-	-	3	-
6	Bharoor	3	2	2	2
7	Biggarwal	3	4	10	4
8	Bishanpura	2	2	2	-
9	Camper	1	1	8	-
10	Chahhar	4	5	7	3
11	Chathe Nanhera	7	5	5	3
12	Chauwas (Jakhepal)	4	3	1	3
13	Chhajla	1	-	3	2
14	Chhajli	12	7	21	11
15	Daula Singh Wala	3	1	2	2
16	Dhaliwas (Jakhepal)	1	-	6	3
17	Dhandial	1	-	4	-
18	Dhandoli Kalan	2	1	3	2

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
19	Dhandoli Khurd	1	1	2	-
20	Dharamgarh	1	2	3	1
21	Dharamgarh Channa	-	-	4	1
22	Dialgarh (Kauhrian Block)	5	3	1	1
23	Dirba	21	11	24	16
24	Falera	4	3	1	-
25	Fatehgarh	2	1	-	-
26	Gamri	-	-	-	-
27	Ghanaur Jatan	-	1	1	-
28	Ghanaur Rajputan	3	2	2	2
29	Ghanduan	4	4	4	2
30	Gharat	1	4	1	1
31	Ghasiwala	1	-	1	1
32	Gobindgarh	2	1	4	4
33	Gobindpura Nagri	-	-	6	3
34	Gujran	8	9	4	1
35	Hambalwas (Jakhepal)	6	4	6	3
36	Jaggatpura	1	-	-	1
37	Jakhepal Was (Jakhepal)	3	1	3	4
38	Janal	8	6	11	7
39	Jawandhe	-	-	4	2
40	Kadial	4	-	7	4
41	Kahangarh	2	1	2	1
42	Kakuwala	1	-	1	-
43	Kamalpur	3	4	3	3
44	Kanakwal	1	1	3	1
45	Kauhrian(village)	5	3	4	3
46	Khadial	4	3	6	5
47	Khadial Kothe	2	1	-	-
48	Khanal Kalan	5	7	5	1
49	Khanal Khurd	3	2	-	-
50	Khanpur Fakira	3	1	5	4
51	Khetla	2	5	3	-
52	Laadbanajara Khurd	2	-	2	2
53	Laadbanjara Kalan	3	3	2	-
54	Lakhmirwala	4	1	-	2
55	Maidewas	3	2	2	3
56	Mardkhera	-	-	1	1
57	Mauran	6	6	2	3

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
58	Mehlan	4	3	9	3
59	Mojowal	2	-	1	2
60	Munsiwala	-	-	-	-
61	Nagakheri	-	-	1	-
62	Nakte Chathe	1	1	2	1
63	Nihalgarh	1	1	1	1
64	Nilowal	2	1	9	6
65	Rampur Gujran	1	1	1	-
66	Rampur Kothe	1	1	-	-
67	Ratolan (Kauhrian Block)	1	1	3	1
68	Rattangarh	2	1	-	1
69	Rattangarh Chindran	-	-	-	-
70	Rogla	6	5	7	3
71	Safipur Kalan	2	1	3	1
72	Safipur Khurd	-	-	-	-
73	Sangtiwala	3	-	5	-
74	Santpura	-	-	1	1
75	Satauj	5	3	1	1
76	Sihal	3	1	2	2
77	Singhpura	-	-	-	-
78	Smooran	2	2	-	1
79	Sullar	2	2	1	2
80	Taranjikhhera	2	2	2	2
81	Tibi Basti Gurbakshpura	-	-	1	-
82	Toorbanjara	7	5	6	2
83	Ubhyan	3	6	3	1
84	Ugrahan	7	5	6	4
Total		233	170	284	162

Village-wise Cancer Incidence Cases and Mortality Cases: Longowal, Sangrur District

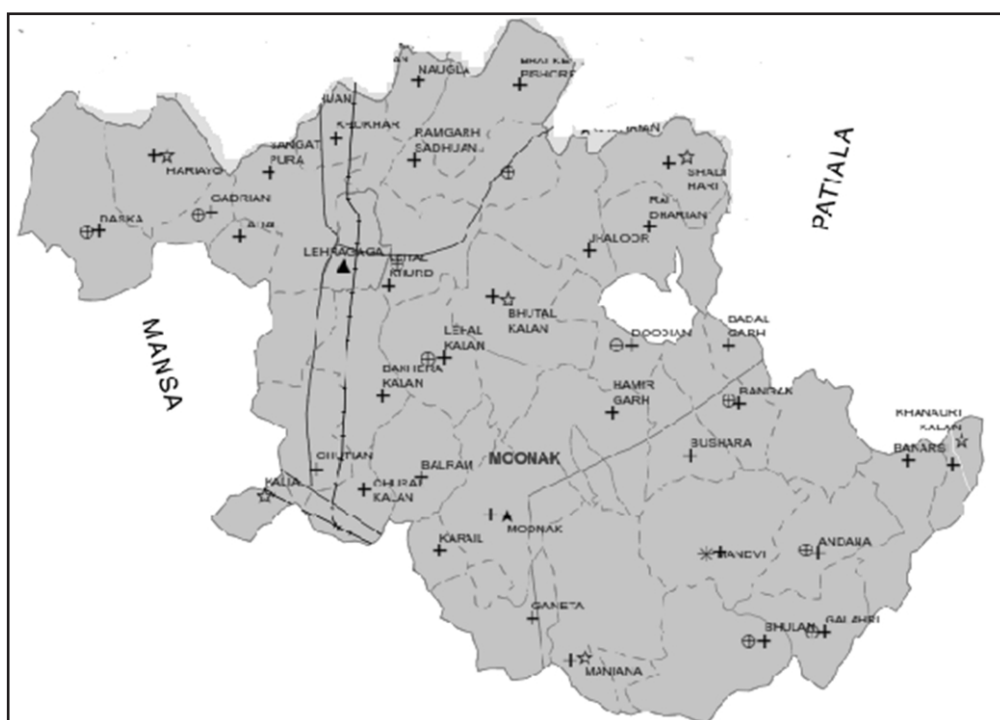


Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Akoi Sahib	1	1	3	2
2	Badrukhan	6	7	14	6
3	Bahadurpur	5	5	4	3
4	Balbad Kalan	2	-	2	3
5	Balbad Khurd	-	-	-	-
6	Balian (Longowal Block)	1	2	5	1
7	Banggawali	1	-	2	1
8	Bhagwanpura Naiwala	-	-	-	-
9	Bhamabaddi	2	3	1	1
10	Bhindran	1	3	5	1
11	Bir Kalan	3	1	2	-
12	Buggar	1	3	-	-
13	Changal	1	1	4	1
14	Chathe	4	4	6	6
15	Cheema (Longowal Block)	10	4	16	10
16	Dehkalan	2	-	-	1
17	Dhadrian	2	1	2	-
18	Dialgarh (Longowal Block)	3	2	3	-

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
19	Duggan	5	4	10	6
20	Ellwal	6	3	3	2
21	Fatehgarh Channa	2	4	4	2
22	Gagarpur	4	2	4	2
23	Ghabadan	1	1	4	1
24	Gurdaspur	-	-	-	-
25	Gurdaspura Gurthali	-	-	-	-
26	Hreri	2	1	1	-
27	Jharron	3	3	9	3
28	Jheor Majra (Sohian Khurd)	-	-	-	-
29	Kaloudi	-	1	5	2
30	Kamomajra kalan	2	3	2	-
31	Kamomajra Khurad	3	-	3	5
32	Kanoi	1	1	1	2
33	Kheri	4	4	3	3
34	Khilrian	1	-	4	2
35	Khurana	3	3	1	1
36	Khurani	1	1	-	-
37	Kila Bharian	1	-	1	1
38	Kularkhurd	8	7	4	4
39	Kunran	3	3	4	4
40	Laddi	1	1	3	2
41	Lidran	3	2	2	1
42	Loha khera	6	4	7	4
43	Longowal (Village)	29	13	45	22
44	Mander Kalan	2	1	3	2
45	Mander Khurd	1	3	1	1
46	Mangwal	4	3	7	2
47	Mohamadpur Channa	-	1	-	-
48	Namol	12	8	6	4
49	Pindian	1	-	-	1
50	Rampura (Longowal block)	-	-	-	-
51	Ratoke	2	1	3	1
52	Rupa Heri	-	-	1	1
53	Sahoke	3	2	2	2
54	Sarron	3	2	3	1
55	Shahpur (Longowal Block)	5	4	6	1
56	Sheron	9	7	10	3
57	Sibia	-	-	2	3

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
58	Sohian	-	-	2	2
59	Takkipur	-	-	-	-
60	Thlesan	1	1	1	1
61	Togewal	5	1	4	1
62	Tolawal	4	2	-	2
63	Tunggan	6	4	-	2
64	Ubhawal	4	3	12	11
65	Uppli	6	3	-	3
Total		202	144	252	149

Village-wise Cancer Incidence Cases and Mortality Cases: Moonak, Sangrur District

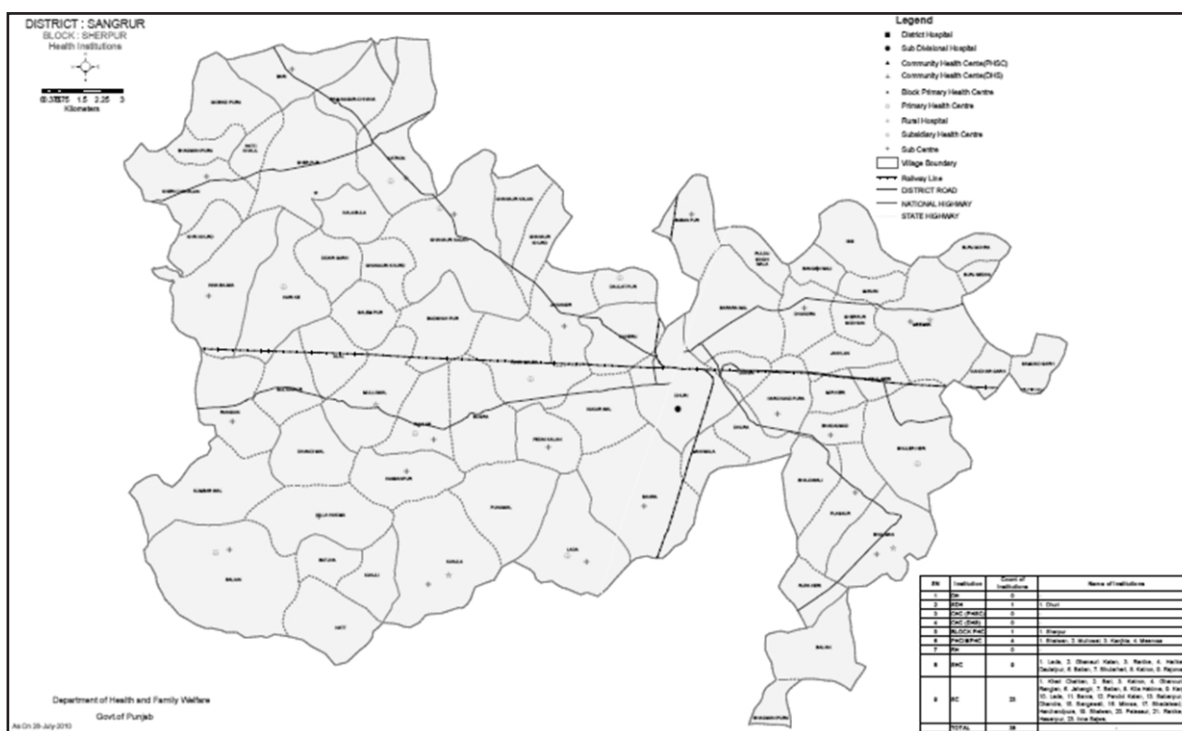


Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Alampur	1	2	5	2
2	Aliser	2	2	-	-
3	Andana	3	3	8	3
4	Arkwass	1	1	4	2
5	Badalgarh	3	-	3	3
6	Bahmni wala	-	1	4	2
7	Bakhora kalan	3	1	5	3
8	Bakhora Khurd	1	1	1	-
9	Balran	7	7	8	4
10	Banarsi	1	1	4	3
11	Banga	2	1	-	1
12	Bathua	-	1	8	5
13	Bhai ke pisor	4	2	6	8
14	Bhullan	6	6	3	3
15	BhunderBhaini	3	3	3	1
16	Bhutsal kalan	4	5	13	9
17	Bhutsal Khuard	8	3	4	10
18	Bishanpura Khokhar	1	1	1	1

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
19	Boper	4	3	2	3
20	Bushera	6	2	4	2
21	Chandu	1	-	2	1
22	Changaliwala	2	1	-	-
23	Chathe gobindepura	1	2	3	-
24	Chotian	3	4	5	1
25	Chural Kalan	9	3	2	7
26	Chural Khurd	1	-	3	-
27	Daska	5	1	1	3
28	Dehla	5	4	3	2
29	Dhindsa	5	3	5	4
30	Doodian	3	-	10	9
31	Gaga	4	5	4	3
32	Ganota	2	1	2	2
33	Ghamoorghat	-	-	1	-
34	Ghorenab	1	-	-	-
35	Gidriani	2	3	3	-
36	Gobindpura Jawahar wala	2	1	1	2
37	Gobindpura Papda	-	1	2	2
38	Gulari	4	2	1	1
39	Gurnekalan	-	-	2	2
40	Gurnekhurd	-	-	2	2
41	Guru Nanak Nagar churalkalan	-	-	-	-
42	Hamirgarh	2	2	4	2
43	Handa	-	-	-	-
44	Harigarh	1	-	2	-
45	Harigarh Gehla	2	4	1	3
46	Haryao	4	2	4	3
47	Hotipur	1	2	2	1
48	Jhaloor	6	4	4	2
49	Kal banjara	3	4	4	3
50	Kalian	3	1	2	1
51	Karail	1	1	2	1
52	Karoda	3	5	4	2
53	Khai	5	3	1	2
54	Khandebad	4	1	7	5
55	Khanouri Khurd	-	-	1	-
56	Khanouri Kalan	6	5	21	7
57	Khokhar kalan	-	2	1	1

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
58	Khokhar khurd	3	1	2	2
59	Kotralehal	4	-	7	6
60	Kudni	-	-	3	2
61	Ladal	3	2	4	4
62	Lehalkalan	6	3	14	8
63	Lehalkhurd	2	3	4	2
64	Lehragaga	25	16	31	17
65	Mahan Singh wala	1	1	1	1
66	Makror Sahib	6	2	5	4
67	Mandvi	4	4	5	4
68	Mandvi Khurd	-	-	-	-
69	Maniana	3	1	3	5
70	Moonak (Town)	27	12	29	27
71	Nangla	5	1	2	3
72	Navan Gaon	2	-	5	4
73	Phalud	-	1	3	2
74	Rai Dharana	10	4	10	10
75	Rajalheri	-	-	1	-
76	Ramgarh Gujran	1	-	1	2
77	Ramgarh Sandhua	2	1	2	2
78	Rampura gujra	1	1	4	3
79	Rampura jawahrwala	3	2	2	2
80	Ratta Khera	4	-	1	3
81	Rorewala	1	3	3	3
82	Salemgarh	1	2	3	1
83	Sangatpura (Moonak Block)	4	4	8	5
84	Shadihari	4	2	7	4
85	Shekhuwass	4	3	5	4
86	Shergarh	3	1	1	4
87	Surjan Bhaini	-	-	-	-
88	Thaska	1	1	1	1
89	Therri	1	-	-	-
Total		282	184	365	274

Village-wise Cancer Incidence Cases and Mortality Cases: Sherpur, Sangrur District



Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
1	Alal	1	1	3	1
2	Babanpur	2	1	3	2
3	Badashpur	4	1	2	3
4	Balian (Sherpur block)	5	4	10	7
5	Bangawali	1	-	-	-
6	Bardwal	2	1	1	2
7	Barri	-	-	4	2
8	Batuha	3	-	3	3
9	Benra	5	7	1	3
10	Bhadalwad	-	-	1	-
11	Bhagwanpura	2	1	-	-
12	Bhalwan	1	2	3	2
13	Bhojowali	1	1	2	-
14	Bhullerheri	6	2	10	6
15	Bugra	3	2	3	3
16	Burj Gohra	-	-	-	-
17	Burj Sedha	2	-	-	1

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
18	Daultpur	3	1	3	2
19	Dhandiwal	2	3	4	2
20	Dhandra	2	1	1	2
21	Dhura	3	3	1	1
22	Dhuri Pind	4	3	1	3
23	Didargarh	4	2	3	1
24	Dohla	1	1	1	-
25	Ena Bajwa	5	2	3	2
26	Ghanour Kalan	1	1	3	-
27	Ghanour Khurd	4	-	1	2
28	Ghanouri Kalan	8	7	7	4
29	Ghanouri Khurd	-	-	1	1
30	Gobindpura	-	-	-	-
31	Harchandpur	2	1	1	-
32	Hasanpur	2	1	10	3
33	Herike	6	3	3	3
34	Issi	-	-	3	2
35	Jahangir	1	1	4	2
36	Jakhlan	-	-	1	1
37	Kakkarwal	2	1	3	4
38	Kala Bula	2	1	2	1
39	Kandhargah Channa	1	1	3	-
40	Kanjali	-	1	2	-
41	Kanjla	14	8	9	7
42	Katron	7	3	6	3
43	Kaulseri	3	-	-	2
44	Kheri Kalan	6	2	5	7
45	Kheri Khurd	1	-	-	-
46	Kheru	3	2	2	2
47	Kila Hakima	2	1	4	2
48	Kumberwal	4	2	10	8
49	Ladda	3	2	3	2
50	Ladda Kothi	-	-	-	-
51	Mana	-	1	1	1
52	Manwala	1	-	-	-
53	Meemsa	6	2	1	1
54	Meerheri	1	1	-	-
55	Mullowal	4	1	4	9
56	Natt	2	-	1	1

Sr. No.	Village Name	2013 - 2014		2015 - 2016	
		Incidence	Mortality	Incidence	Mortality
57	Palasour	3	2	4	-
58	Patti Khalil	1	-	1	-
59	Pedhni Kalan	-	-	2	-
60	Punnawal	3	2	3	-
61	Rajomajra	2	1	2	3
62	Ramnagar Channa	-	1	6	3
63	Rangian	2	4	4	1
64	Ranike	2	1	3	2
65	Ruldu Singh Wala	-	1	3	5
66	Salempur (sherpur block)	-	2	-	-
67	Samundgarh	-	-	2	-
68	Sherpur (Village)	13	7	6	3
69	Sherpur Sodhian	-	-	2	-
70	Sultanpur	2	2	2	-
	Total	176	105	193	133

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Dr. Jatin Kharbanda, Chief of Lab

Star Path Lab, Patiala

Mrs. Kanu Goel, Pathologist

Dr. Dinesh Path Lab, Patiala

Dr. Dinesh Ahluwalia, Pathologist

Government Dental College, Patiala

Dr. Renu Bala, Principal

Dr. Harinder Gupta, MDS

Ms. Sandeep

Columbia Asia Hospital, Patiala

Dr. Virender Bhatnagar, MS

Mr. Kulwant Singh

Patiala Surgical Centre, Patiala

Dr. Ajmer Singh

Dr. Gurpreet Singh

Amar Hospital, Patiala

Dr. Amanjot Singh, Head of Department

Dr. Jaskarn Singh Sra, DMS

Dr. Pankaj Kumar, Head of Pathology Department

District Administration, Patiala

Dr. Harish Malhotra, Civil Surgeon

Dr. Gurmeet Singh, IDSP

Rajindra Hospital/ Govt. Medical College / GDC, Patiala

Dr. Harjinder Singh, Principal

Dr. Renu Bala, Principal GDC

Dr. Ashwani Kumar, MS

Dr. Raja Parmjeet Singh, Head of RT Department

Dr. Ramesh K. Kundal, MD

Dr. D.J.S Walia

Dr. Anubha

Dr. Sanjeev Bhagta

Mrs. Sudarshan, SLT

Ms. Dharamjit Kaur

Ms. Sandeep

Sh. Mukesh Kumar, Pharmacist

Ms. Alisha, Pharmacist

Sh. Pawan Kumar, Data Entry Operator

Monika Path Lab, Bathinda

Dr. Monika, Pathologist

Mr. Gurpreet Singh, DEO

Mittal Path Lab, Bathinda

Dr. Anita Mittal, Pathologist

Advanced Cancer Diagnostic Treatment & Research Centre, Bathinda

Dr. M. K. Mahajan, Ex-Director

Dr. Deepak Arora, Incharge

Prof. (Dr.) Darshan Singh Sidhu, Registrar

Aadesh Hospital, Bathinda

Dr. Avtar Singh Bansal, Medical Superintendent

Dr. Gurkirat Singh, Asst. Professor

Civil Hospital, Bhatinda

Dr. Amrik Singh Sandhu, CMO

Dr. Vinod Kumar, SMO

Dr. Vandana Middha, Oncologist

Dr. Richa Garg, Pathologist

Max Hospital, Bathinda

Sh. Sandeep Rai, Department of Medical Superintendent

Sh. Varinder Singh, Sr. MRT

Punjab Cancer Care Hospital, Bathinda

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Al Hayat Hospital Malerkotla

Dr. Zameer Ahmed MS Surgeon

Hazrat Haleema Hospital, Malerkotla

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Dr. Zamir Ahmed, Head of the hospital

Acharya Tulsi Regional Cancer Treatment & Research Institute, Bikaner

Dr. MR Bardia, Director

Dr. H.S Kumar, H.O.D Radiotherapy

Mr. Pravin Soni, D.O.P

Mr. Pradeep Bhardwaj (L.D.C)

Guru Gobind Singh Medical College & Hospital, Faridkot

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Dr. Rajiv Joshi, Medical Superintendent

Dr. J. P. Sing, Deputy Medical Superintendent

Sh. Rajeev Grover, Medical College Superintendent

Sh. Padampal Maini, Medical Record Officer

Sh. Kewal Singh, Data Entry Operator

Sh. Jagtar Singh, Data Entry Operator

Sh. Sikander Kumar, Data Entry Operator

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Dr. V. K. Kaushal, Director

Dr. Gurenderjit Singh, Medical Superintendent

Dr. Naveen Kanda, Deptt. of radiation Oncology

Dr. Raman Arora, Department of Medical Oncology

Dr. Gurshaminder Singh Hara, Deptt. of general Surgery and Surgical oncology

Dr. Yogesh Guaba, Deptt. of general Surgery and Surgical oncology

Dr. Pradeep kapur, Sr. Consultant Head & chest

Sh. Sohan Singh Negi, Clerk

Christian Medical College, Ludhiana

Dr. Pamela Alice Jeyaraj Prof & Head, Dept. of Radiation Oncology

Dr. William Bhatti Medical Superintendent

Dr. Valsa Abraham Dy. Medical Superintendent

Dr. Preethi AM Paul Histopathology Dept

Dr. Amrith Mathew Haematology

Mr. Stiffan Medical Record Dept

Dayanand Medical College & Hospital, Ludhiana

Dr. Sandeep Puri, principal

Dr. Sandeep Sharma, Medical Superintendent

Sh. Pawan Kumar, Sr. Medical Record Officer

Fortis Hospital, Ludhiana

Dr. Rajiv Kundra, MS

Dr. Gaurav Bindal, AMS

Sandhu Cancer Hospital, Ludhiana

Dr. Davinder Singh Sandhu, Medical Oncologist

**Government Medical College and Hospital,
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Dr. Atul Sachdeva, Former Director Principal
Dr. Awadesh Kumar Pandey, Professor & Head,
Department of Radiotherapy
Dr. Sonia Puri, Ass. Prof. Dep. of Community Medicine
Dr. Uma Handa, Prof & Head, Dep. of Pathology
Dr. A.K. Janmeja, Former Medical Superintendent
Dr Ravi Gupta, Professor & Head, Department
of Orthopedics cum Medical Superintendent
Mr. Suraj , Social Worker, HBCR
Mr. Sunil, Office Attendant
Mrs. Deepa, Clerk

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Chandigarh**

Dr. Abha Sarwal Saini, Head of the Department
and Senior Medical Officer (Pathology)
Dr. Ranjana Mehta, Medical Officer (Pathology)
Dr. Sandeep Tandon, Medical Officer (Pathology)
Dr. Vandana Gupta, Medical Superintendent
Mr. Rocky Daniel, Senior Medical Lab Technician
Mr. Anil Kumar, Senior Medical Lab Technician
Mr. Stephen Mattu, Medical Lab Technician

Fortis Hospital, SAS Nagar

Dr. Abhijit, Singh, Director
Dr. Rajiv Bedi, Consultant Oncology Dept.
Dr. Minishi Bansal, Medical Oncologist
Dr. Ritu Pankaj, Pathologist
Dr. Irneep, Pathologist
Ms. Ruchi, Lab Assistant
Mr. Deepak Saini, Medical Record Dept. In-charge
Mr. Jatinder Katoch, HOD, MRD
Mr. Naresh Kumar, Supervisor
Mr. Deepak Nagpal, Senior Assistant
Mr. Gurpreet Singh, Senior Assistant
Mr. Jagjeet Singh, Senior Assistant
Mr. Malti Batish, Assistant
Ms. Raman Bajwa, Accessioning Officer
Mr. Ravinder Kumar, Assistant

IVY Hospital, SAS Nagar

Mr. Gurtej Singh, Chairman
Dr. Kanwaldeep Kaur, Medical Director
Dr. Shivani Punjj, Medical Administrator
Dr. Jatin Sarin, Medical Oncologist

Dr. Vijay Bansal, Surgical Oncologist
Dr. Ritu Bisht, Pathologist
Mr. Jatinder Singh, Sr. MRD Executive
Mr. Romy Yadav, Medical Record Dept. Executive
Mr. Jagdev Singh, Medical Record Dept. Assistant
Mr. Jaswinder, Medical Record Dept. Assistant

**Behgal Hospital, Multispecialty & Cancer
Center, SAS Nagar**

Dr. S K Behgal, Director
Dr. I.P Singh, Medical Oncologist
Dr. Kanwaljit Kaur, General Surgeon
Mrs. Madhu, Medical Record Dept.
Gian Sagar Hospital, Banur
Dr. Krishan Vij Principal, Prof. & Head, Forensic Medicine
Dr. Harbir Kaur, Prof. and Medical Superintendent
Dr. Anil Kumar Suri, Prof. & Head, Pathology Dept.
Dr. Rimpay Sarin, Ass. Prof. Pathology Dept.
Dr. B.P Gupta, Prof. & Head, Community Dept.
Mr. Kulwinder Singh, Lab Technician, Cytology Dept.

Indus Hospital, SAS Nagar

Dr. Sant Parkash, Chairperson

Grecian Hospital, SAS Nagar

Dr. Shiv Preet Singh Samra, Managing Director
Mr. Ranjit KR, CEO
Col. N. K Khana, Senior Administrator
Mr. MP Singh, AGM, HR
Dr. Rakesh Kumar Gupta, Senior Consultant
Dr. Munish Mahajan, Oncologist Surgeon
Dr. S.S Trehan, Surgical Oncologist
Dr. Pranjali, Sr. Pathologist
Dr. Preeti, Microbiologist
Dr. Parneet, MRD, In-Charge
Mr. Vinod Kumar, Senior Executive, MRD
Ms. Jemima Naik, Executive MRD
Miss. Nirmalpreet Kaur, Medical Record Executive.

Max Superspeciality hospital, SAS Nagar

Dr. Sandeep Dogra, General Manager
Dr. Sachin Gupta, Medical Oncologist
Dr. Gautam Goyal, Medical Oncologist
Dr. Amita, Senior Resident
Dr. Harman, Senior Resident
Dr. Ritika, Senior Resident
Dr. Aradhna, Senior Resident
Mr. Bikram, Data Entry Operator
Miss. Shama, Data Entry Operator

Gian Sagar Hospital, Banur

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 Dr. Harbir Kaur, Professor and Medical Superintendent
 Dr. Anil Kumar Suri, Prof. & Head, Pathology Dept.
 Dr. Rimpay Sarin, Associate Professor, Pathology Dept.
 Dr. B.P Gupta, Professor & Head, Community Dept.
 Mr. Kulwinder Singh, Lab Technician, Cytology Dept.

J.P Super-speciality Hospital, Zirakpur

Dr. Sandeep Singla, Managing Director

O.P. Jindal Institute of Medical Science, Hisar

Dr. Shekhar Sinha, Medical Director
 Dr. Shiv Singal, Chief Administrator
 Dr. Deepak Kumar Shukla, Medical oncologist

Sri Guru Ramdas Institute of Medical Sciences & Research, Amritsar

Dr. Geeta Sharma, Principal
 Dr. B.C. Srin, Medical Superintendent

Shah Satnam ji Speciality Hospital, Sirsa

Dr. M. P. Singh, CMO

Pt. Bhagwat Dayal Sharma, PGIMS, Rohtak

Dr. Rakesh Gupta, Director
 Dr. O. P. Kalra, Nephrology
 Dr. V. K. Jain, Sr. Prof & Head
 Dr. R. K. Yadhav, Sr. Prof & Head Radiology
 Dr. S.S. Lochab,
 Dr. Vivek Kaushal, Sr. Prof & Head Surgery
 Dr. Rajeev Sen, Sr. Prof. & Head Pathology
Rajasthan Medical Centre, Tohana
 Dr. Subhash Gupta, MS

Life Line Care Hospital/Aadhar Health Institute, Hisar

Dr. Lovnish Goyal, MBBS MD (Medicine)

Adesh Charitable Cancer Hospital, Muktsar

Dr. R. K. Bansal, Director
 Dr. Harinder Singh Gill, Management Head

All India Pingalwara Charitable Society (Regd.) Amritsar, Sangrur Branch

Sr. Tirlochan Singh Cheema, Chief Administrator, Sangrur Branch
 Sr. Harjeet Singh, Associate Administrator, Sangrur Branch

MC, Sangrur

Shri Ripudipaman Singh, MC Pradhan
 Shri Ramesh Kumar, EO

MC, Bhawanigarh

Shri Premchand Garg, MC Pradhan

MC, Malerkotla

Mr. Iqbal Mohammad, MC, Malerkotla

Revisory Committee, Malerkotla

Mr. Arfat Khan, Member

Muslim Committee, Malerkotla

Mr. Satar Mohammad, Member **Manav**

Nishkam Sewa Samiti, Malerkotla

Dr. Pardeep Oswal, General Secretary

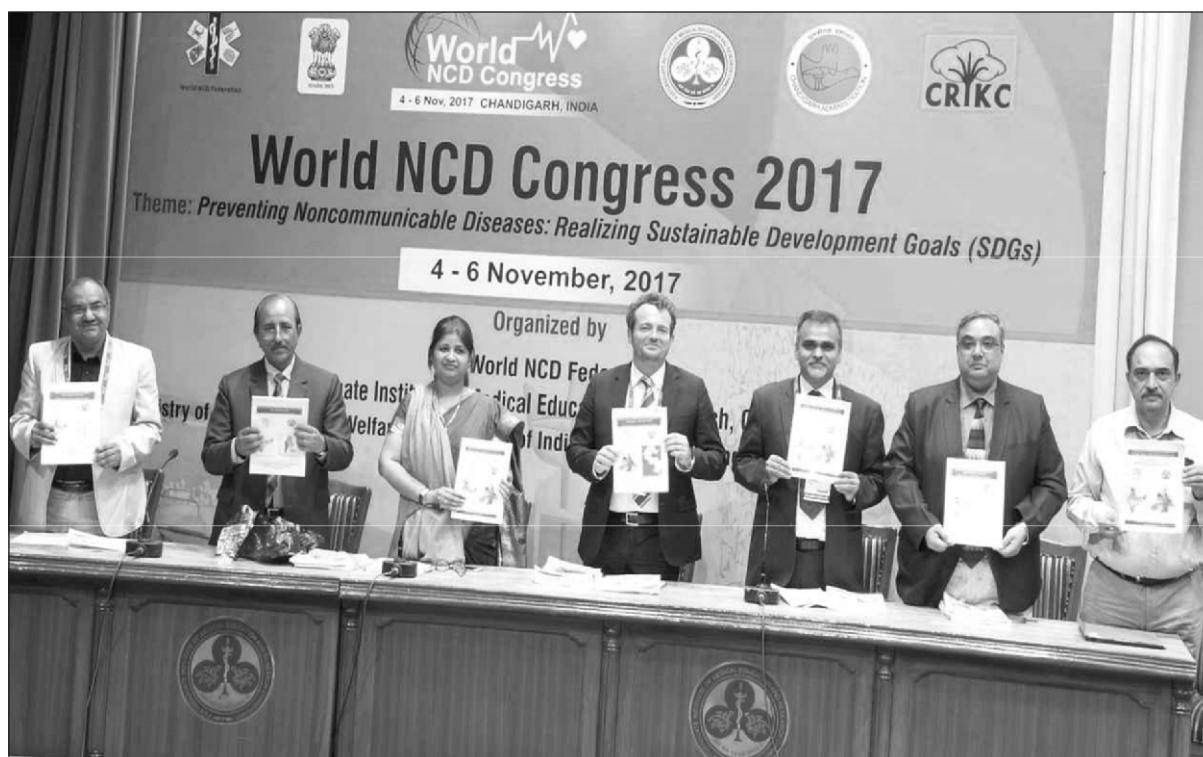
International Institute for Population Science, Mumbai

Dr. Murali Dhar – Professor
 Mr. Jang Bahadur Prasad, PhD

Annexure

Release of Second Year Report of the Sangrur Population-Based Cancer Registry

Dr G Dewan, Director of Health Services Chandigarh; Mrs Anjali Bhawara, Principal Secretary Health and Family Welfare Punjab; Prof Jagat Ram, PGI Director; Dr Prashant Mathur, Director NCDIR-NCRP, ICMR; Dr Freddie Bray, Head section of cancer surveillance, IARC; Dr. Rajesh Dikshit, Director CCE-TMC, Prof JS Thakur, PGIMER and Dr. Atul Budukh, Professor CCE - TMC along with other dignitaries released the reports of Chandigarh and Punjab concurrently during World NCD Congress held at PGIMER from 4th November, 2017 to 6th November, 2017. The message from the second year report is that all site cancer incidence rates are in comparison with other parts of India.



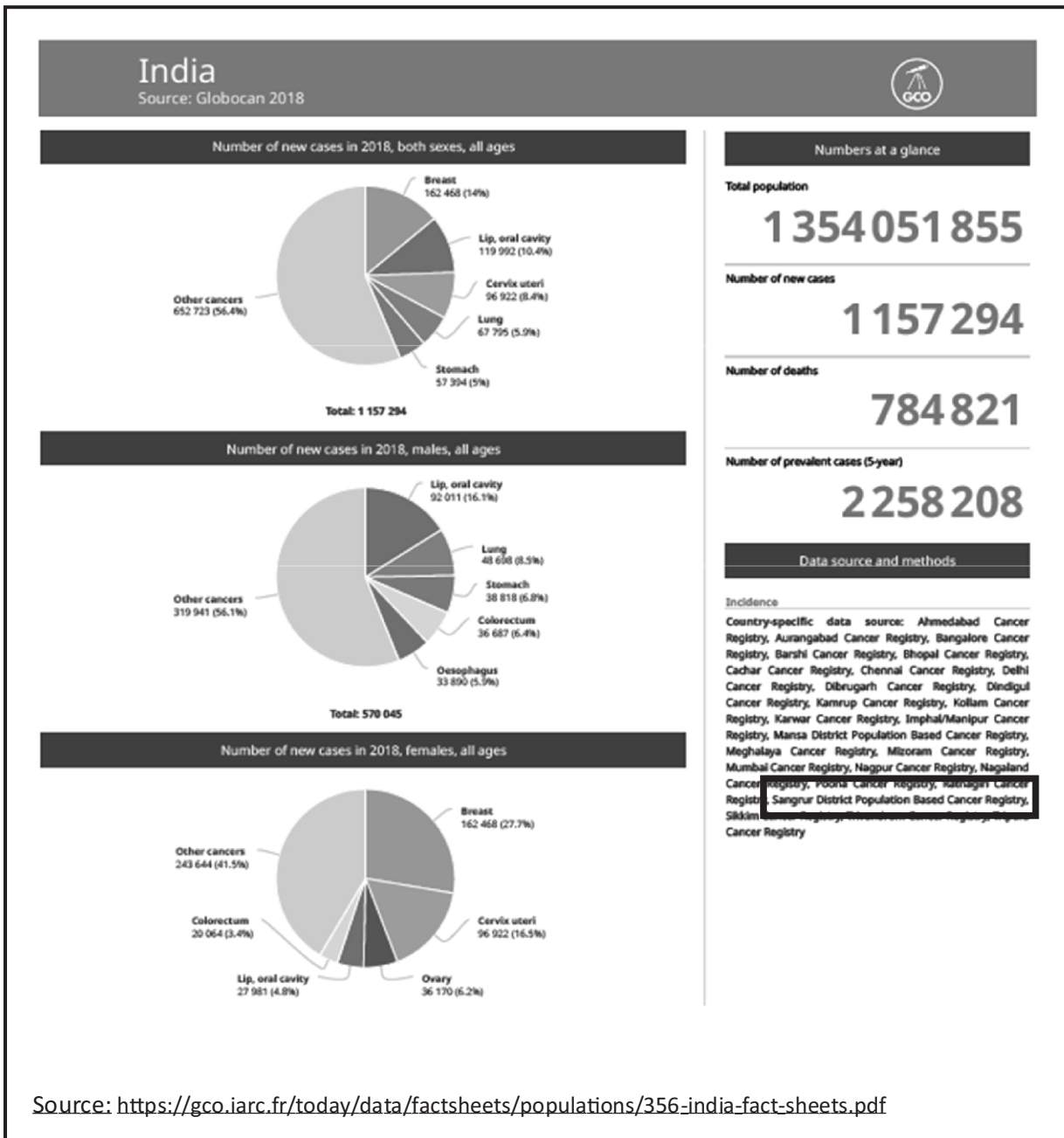
Special Activities of the Cancer Registry

School of Public Health, PGIMER Chandigarh and TMC Mumbai jointly organized “National CME on Cancer Registries for Cancer Control” in collaboration with World NCD Federation on 23rd January 2019 at PGIMER, Chandigarh. The key objective of the National CME was to focus on the role of cancer registries for cancer control, screening, diagnosis and management of common cancers in India. It was attended by approximately 250 participants. Sessions on types of cancer registries, early detection and cancer screening of Head and Neck, Blood and Breast Cancer were given by various resource members. Panel discussion on Strengthening Cancer Registration for Cancer Control in India was also organised followed by Public Forum for cancer survivors and the general public.



Achievement

Sangrur cancer registry data have been utilized by Globocan 2018 to estimate the cancer rates in India.



Publications

1. Chandigarh Population Based Cancer Registry Report: 2013 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
2. SAS Nagar Population Based Cancer Registry Report: 2013 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
3. Sangrur Population Based Cancer Registry Report: 2013 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
4. Mansa Population Based Cancer Registry Report: 2013 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
5. Chandigarh Population-Based Cancer Registry Report: 2014 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
6. SAS Nagar Population-Based Cancer Registry Report: 2014 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
7. Sangrur Population-Based Cancer Registry Report: 2014 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
8. Mansa Population-Based Cancer Registry Report: 2014 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
9. Budukh A, Dikshit R, Thakur JS, Kadam P, Dora T, Sancheti S, et al. Linkage of cancer registration with cancer treatment in predominantly rural district: A model form Sangrur district, Punjab state, India. *Int J Non-Commun Dis* 2018;3:56-9
10. Thakur JS, Budukh A, Kapoor, R, Malhotra P, Bashir MA, Kathirvel S, Dikshit R, Arora P. Bhatia SPS, Badwe RA, (2017) Urban rural difference in cancer incidence and pattern in Punjab and Chandigarh: findings from four new population-based cancer registries in north India. *Int J Non-Commun Dis* 2017;2:49-55
11. Prabhat Jha, Dinesh Kumar, Rajesh Dikshit, Atul Budukh, Rehana Begum, Prabha Sati et.al. Automated versus physician assignment of cause of death for verbal autopsies: a randomized trial of 9374 deaths in 117 villages in India: *BMC Medicine* (2019) 17:116
12. The burden of cancers and their variations across the states of India: the Global Burden of Disease Study 1990-2016 – *The Lancet Oncology* <https://ars.els-cdn.com/content/image/1-s2.0-S1470204518304479-mmc1.pdf>



Tata Memorial Centre, Mumbai



**Centre for Cancer Epidemiology, ACTREC,
Kharghar, Navi Mumbai**



**Homi Bhabha Cancer Hospital,
Sangrur, Punjab**



**Post Graduate Institute of Medical Education
and Research (PGIMER), Chandigarh**

“Cancer is curable if detected early.”