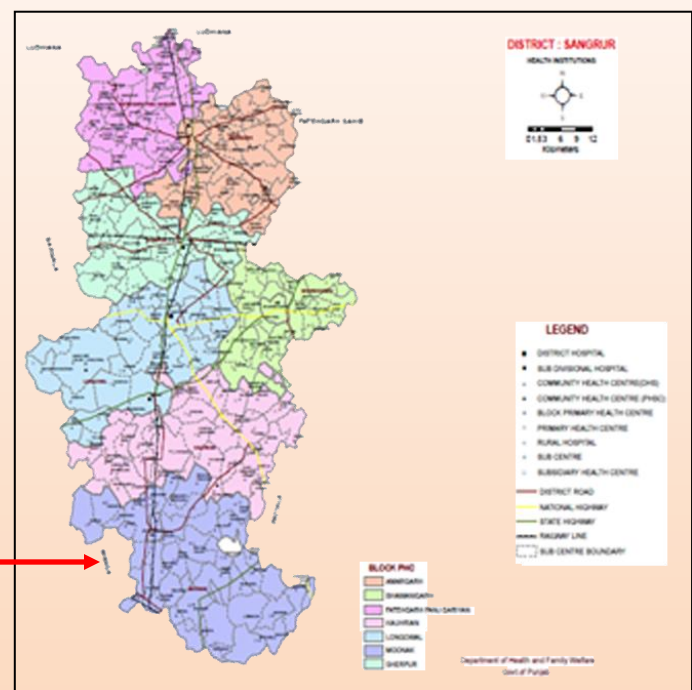


Cancer Incidence and Mortality in Sangrur District, Punjab State, North India: 2014

Second Year Report of the Population-Based Cancer Registry



Punjab State, North India



Sangrur District, Punjab State, North India

Tata Memorial Centre, Mumbai, India

Post Graduate Institute of Medical Education and Research, Chandigarh, India

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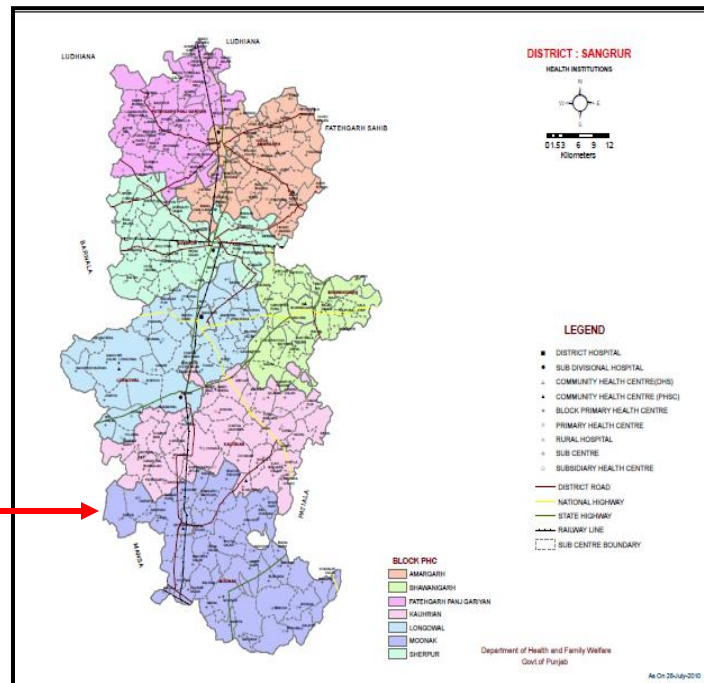
Civil Hospital, Sangrur District, Punjab State, India

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Department of Health and Family Welfare, Government of Punjab State, India

Civil Hospital, Sangrur District, Punjab State, India

Cancer Registry Principal Investigator, Co-Principal Investigator and Co-Investigators

Tata Memorial Centre, Mumbai (TMC)

Name	Role	Designation
Dr. R A Badwe	Principal Investigator	Director
Dr. Atul Budukh	Co – Principal Investigator	Asst Prof Epidemiology
Dr. Rajesh Dikshit	Co – Investigator	Professor Epidemiology
Mr. T. Anbumani	Project Consultant	Administrator

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

Name	Role	Designation
Dr. Yogesh Chawala	Steering Committee Chairmen (till October, 2016)	Director
Dr. Jagat Ram	Steering Committee Chairman (1 st November, 2016)	Director
Dr. J S Thakur	Co-Principal Investigator	Professor
Dr. Rakesh Kapoor	Co- Investigator	Professor
Dr. Pankaj Malhotra	Co- Investigator	Professor
Dr. S P S Bhatia	Co- Investigator	Lecturer
Dr. Pankaj Arora	Co-Investigator	Assistant Professor

Civil Hospital, Sangrur

Name	Role	Designation
Dr. Kiranjot Kaur Bali	Co-Investigator	Civil Surgeon
Dr. Inderjeet Singla	Co-Investigator	Pathologist

Population Based Cancer Registry – Sangrur Staff

Name	Designation
Mr. Prithiviraj Kadam	Project Manager
Mr. Amarjit Singh	Social Worker
Mr. Sanjeev Kumar	Field Worker
Mr. Kuldeep Singh	Field Worker
Mr. Dhalwinder Singh	Field Worker
Mr. Jitender Kumar	Field Worker
Mr. Lakhwinder Singh	Field Worker
Mr. Amritpal Singh Dhillon	Field Worker

Supportive staff from TMC

Name	Designation
Mrs. Sonali Bagal	Scientific Assistant
Ms. Ankita Manjrekar	Data Manager
Ms. Bhavna Jaiswar	Social Worker
Ms. Shraddha Shinde	Scientific Assistant
Mrs. Suchita Yadav	Scientific Assistant

Steering Committee Members

Name	Designation
Dr. Yogesh Chawala (till October, 2016) Dr. Jagat Ram (1 st November, 2016) Director, PGIMER, Chandigarh	Chairman
Dr. R A Badwe Director, TMC, Mumbai	Member
Dr. Subhash C. Varma Professor and Head of Internal Medicine, PGIMER, Chandigarh	Member
Dr. Arvind Rajwanshi Professor and Head of Cytology and Gynaecological Pathology, PGIMER, Chandigarh	Member
Dr. Sushmita Ghoshal Professor and Head of Radiotherapy, PGIMER, Chandigarh	Member
Dr. Rajesh Dikshit Professor of Epidemiology, TMC, Mumbai	Member
Dr. J S Thakur Professor, School of Public Health, PGIMER, Chandigarh.	Member
Dr. Atul Budukh Assistant Professor of Epidemiology, TMC, Mumbai	Member

Office Address

Population Based Cancer Registry, Sangrur District

Homi Bhabha Cancer Hospital, Sangrur

Civil Hospital Campus Sangrur

Punjab State, India

148001

Mobile Number: 9920863064

Email:atul.budukh@gmail.com, budukham@tmc.gov.in

Contents

Sr. No.	Topic	Page Number
	Executive Summary	6
1.	Punjab State Profile	11
2.	Sangrur District Profile	12
3.	Administrative Order by the State Government for the Cancer Registration Process	15
4.	Population Covered by the Cancer Registry	16
5.	Cancer Registration Method	18
6.	Community Involvement in the Cancer Registration Process	22
7.	Quality Control	23
8.	Cancer Cases Registered by Source of Registration- First Source of Information	25
9.	Cancer Incidence and Mortality – All Sites	27
10.	Leading Cancer Sites	28
11.	Comparison of Cancer Incidence Rate with Other Indian registries	42
12.	Under Registration /Under Diagnosed Cases	44
13.	Hurdles in Establishing the Rural Population Based Cancer Registry	44
14.	Description of Statistical Terms	45
15.	Standard Registry Tables	46
16.	Village-Wise Incidence and Mortality Cases	58
17.	References	83
18.	Acknowledgments	84
19.	Annexure	88

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 PanjGarian covering a population of 17,21,571. The registry covers urban areas as well as 585 villages of the district. **More than 65% of the population of the district is rural.**

Registration Method

Trained social workers of the registry regularly visit the villages as well 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 interact with village Sarpanch, ANM, ASHA workers, and primary health centre 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 treating hospital. After residence confirmation (residence of the district for atleast one year), 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 update the survival status of the cancer patients. As of December 31, 2016, we have the survival status of more than 90% of the cancer patients. This information will be utilized for cancer survival analysis.

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

Release of the First Year Report of the Sangrur Cancer Registry

The first year report of the cancer registry was published on March 8, 2016. The report was released on March 8, 2016 at Bhargva Auditorium, PGIMER Chandigarh. The occasion was graced by Dr. K.K. Talwar, Prof. Raj Bhaddur – Vice Chancellor, Ms. Vini Mahajan IAS PSHFW, Punjab, and Dr. Yogesh Chawala then Director PGI, Chandigarh. The message from the first year report of the cancer registry is that cancer incidence rates are not high in Sangrur district and they are comparable with other parts of rural India.

Results

Here, we are reporting the cancer registry results for the year 2014. This is the second year of the cancer registry. In the year 2014, cancer registry had registered 879 incidence cancer cases- 413 males and 466 females. The age adjusted incidence rate for males was 47.8 per 100,000 population and for females it was 57.6 per 100,000 population. The cumulative risk for the age group 0-74 in males was 5% (1 in 20 men is at risk of getting cancer) and in females it was 6% (1 in 17 females is at risk of getting cancer).

Due to improvements in the cancer registration process, we have noted 58 (Male-17, Female-41) late-registration incidence cases for the year 2013. After including the late registration cases the age adjusted incidence rate for males for the year 2013 was 45.6 and for females it was 57.6 per 100,000.

In the year 2014, the cancer registry had registered 564 cancer deaths. In males, we have registered 294 deaths and in females 270 deaths. The age adjusted mortality rate for males was 33.8 per 100,000 population and for females it was 33.4 per 100,000 population. The cumulative risk of death due to cancer in the age group 0-74 in males is 3% and for females it is 4.5% (1 in 33 males and 1 in 22 females is at risk of death due to cancer).

In mortality we have noted 27 late-registration cases of the year 2013. After including the late registration cases the age adjusted mortality rate for males for the year 2013 was 32.1 and for females it was 30.4 per 100,000.

Leading Cancer Sites

In males, oesophagus, mouth, tongue, liver and prostate are the leading cancer sites. In 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	40	4.4	4.6	9.5
C03-C06	Mouth	23	2.5	2.8	7.5
C01-C02	Tongue	23	2.5	2.7	6.3
C22	Liver	20	2.2	2.4	6.1
C61	Prostate	21	2.3	2.2	1.2

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

Table II: Leading Cancer Sites in Female

ICD 10	Sites	Number	CR	AAR	TR
C50	Breast	111	13.7	13.6	35.6
C53	Cervix Uteri	69	8.5	8.6	23.5
C15	Oesophagus	46	5.7	5.7	9.7
C56	Ovary	27	3.3	3.5	9.1
C23-24	Gall Bladder	22	2.7	2.7	6.0

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

Under Registration

In the year 2014, we noted 9.4% primary unknown cases in males and 5.8% primary unknown cases in females. The primary site unknown cases are clearly related to the quality of diagnostic information as well the poor documentation of the medical records. Due to continuous interaction with the clinician by the registry staff, there was improvement in the medical documentation, and the primary unknown cases percentage has decreased for males from 13% to 9% and in females from 6.4 % to 5.8% as compared to the year 2013.

There may be under registration/under diagnosis of the cancer incidence and mortality cases. We may have missed the clinically diagnosed cases as well the internal cancer cases and pediatric cancer cases. As compared to the year 2013, the registration process has improved and we have registered 879 cases as compared to 798 cases in the previous year.

Under registration will occur more in urban areas compared to villages, due to continuous interaction in the villages. However, the chances of under diagnosis are less in urban areas compared to village areas.

Comparison of Cancer Registry Rate with Other Registries in India

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

Figure I: All Site Cancer Incidence Rate – Males

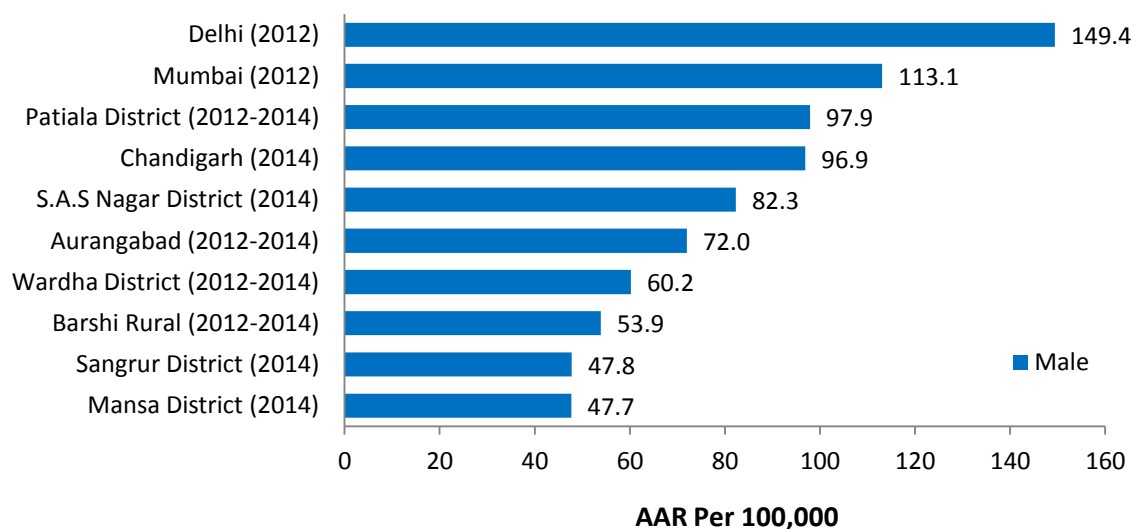
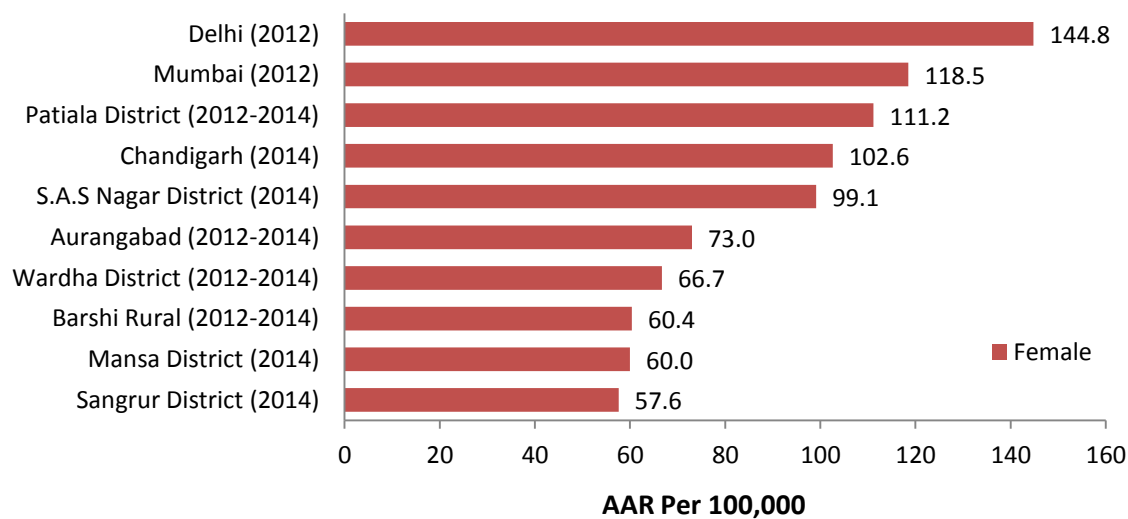


Figure II: All Site Cancer Incidence Rate – Females



Cancer Control in Sangrur District

Cancer registries are the first step in cancer control. The registry data has estimated the risk of getting cancer in males as 5% and in 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 centre in Sangrur and will establish a comprehensive cancer centre in SAS Nagar. In addition, PGIMER Chandigarh is also starting a 500 bedded multispecialty hospital in Sangrur. Cancer awareness programmes need to be started, particularly for the early detection of breast and cervical cancer. The population-based cancer registry in Sangrur will be useful in the future to monitor the cancer trends and evaluate the effects of prevention and treatment.

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 north east, 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 2,77,04,236 (Census 2011)¹. 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 2,77, 04,236 out of which 1,46,34,819 are males and 1,30,69,417 are females. It constitutes 2.29% of the total population of India. Population density of Punjab is 550 persons 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 India.

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 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 1 (Government of Punjab Website).²

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.	Tehsils	Number	81
3.	Total Population (Census 2011) (i) Urban population (ii) Rural Population	Lakh	277.04 103.8(37.5%) 173.2(62.5%)
4.	Density	Per Sq. Km.	550
5.	Female per 1000 Male	Number	893
6.	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 16,54,408, which is 6% of the total population 2,77,04,236 (provisional) of Punjab State³. The location of Sangrur district is presented in Figure 1.

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

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

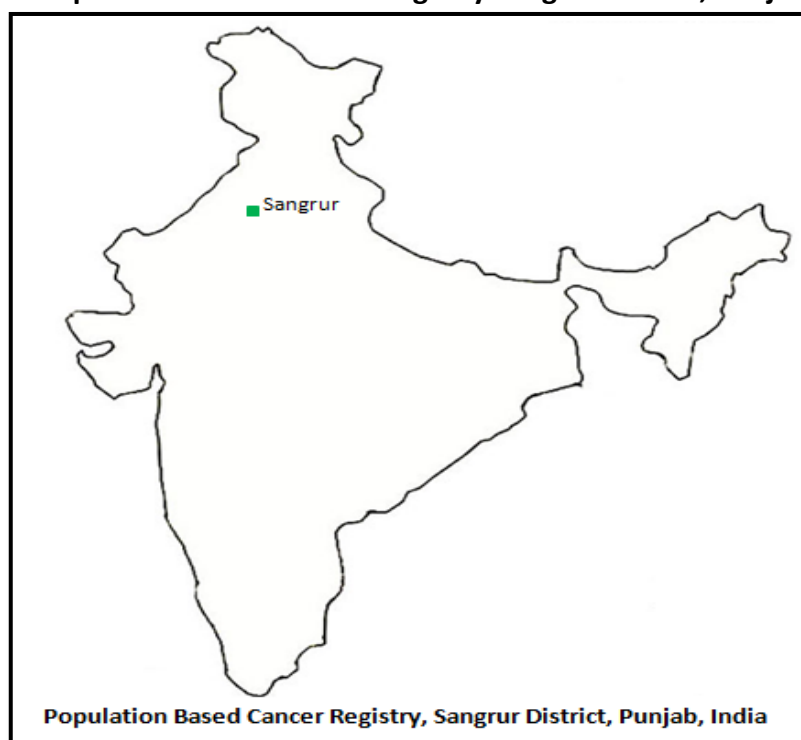


Table 2: Health Blocks Under Sangrur District

Subdivision / Tehsil	Number of villages
Sherpur	69
Kauhrian	86
Moonak	91
Longowal	66
Amargarh	106
Bhawanigarh	68
Fatehgarh Panj Garian	99
Total	585

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 centres and more than 190 sub-centres. 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.

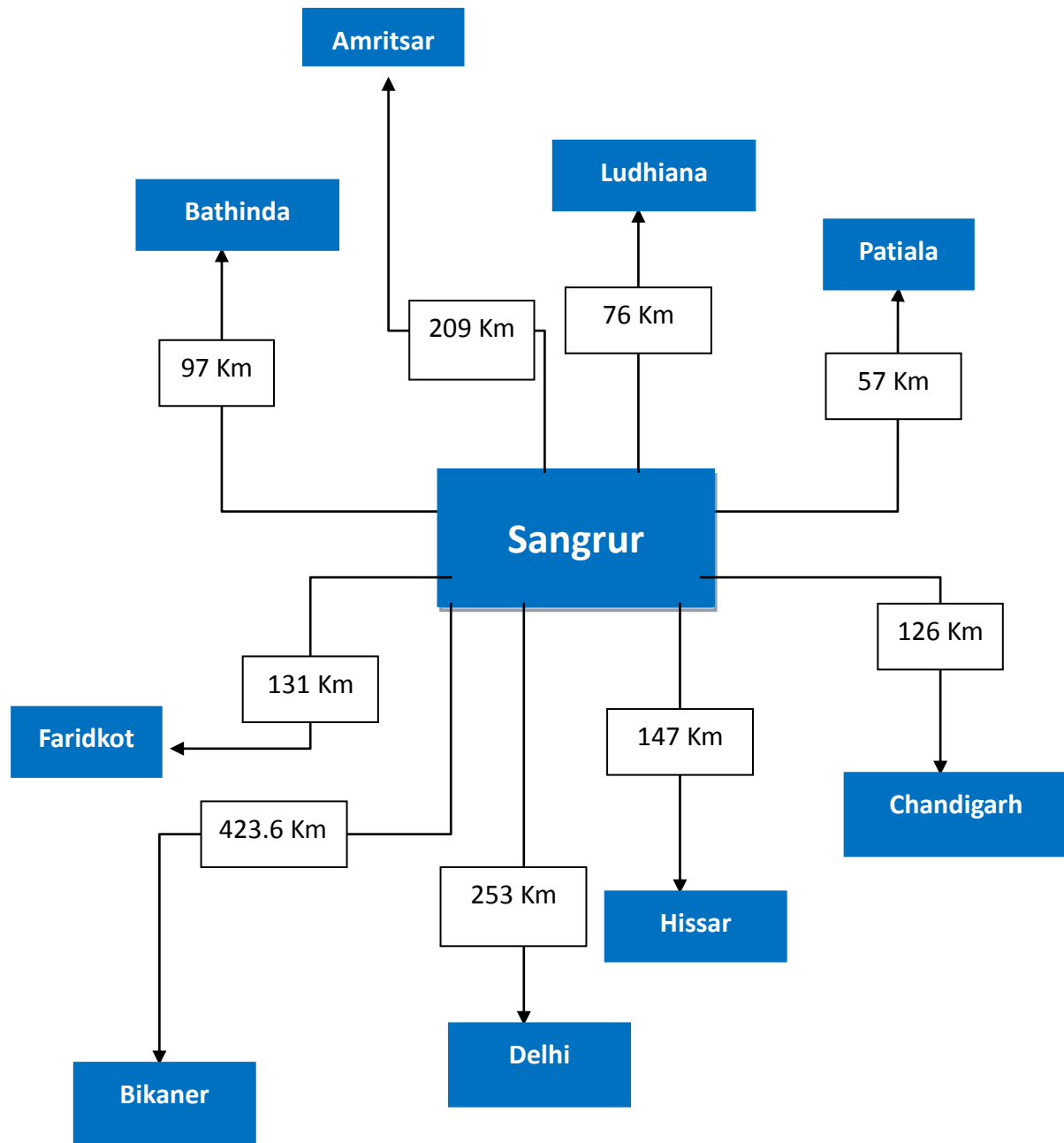
Table 3: Major Health Facilities in Sangrur district

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 centre is Patiala (57 kms) and the farthest centre is Bikaner (420 kms). The distance from Sangrur to different cancer treatment centres 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 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 today, more than 4000 cancer patients have been treated. The hospital is listed in the Government Sponsored scheme “Mukhmantri Punjab Cancer RahatKosh Scheme¹²” 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 empanelled under Mukhmantri Punjab Cancer RahatKosh Scheme to provide the data of cancer patients to the population-based cancer registries from 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 empanelled hospitals.



NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF CANCER, DIABETES, CARDIOVASCULAR DISEASES & STROKE
Directorate of Health & Family Welfare
Room No 502, 4th 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 MukhMantri Punjab Cancer RahatKosh 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, Longwol, Bhawanigarh, Amargarh, Kauhrian, Sherpur and Fatehgarh Panj-Garian. As per 2011 census the total population of Sangrur district was 1,655,169. Of the total population 1,139,204 (68.8%) is rural and 515,965 (31.2%) is urban. Of the total population, 53% are males and 47% are females. The population as per 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 - 2014

The registry population for 2014 was estimated by the exponential growth rate using the growth rate from 2001 to 2011 census population. As per 2014, there are 913,527 males and 808,044 females. More than 65% of the population is rural and depends on agricultural activities. The estimated population of 2014 is presented in Table 5. The population pyramid of Sangrur district is shown in figure 3.

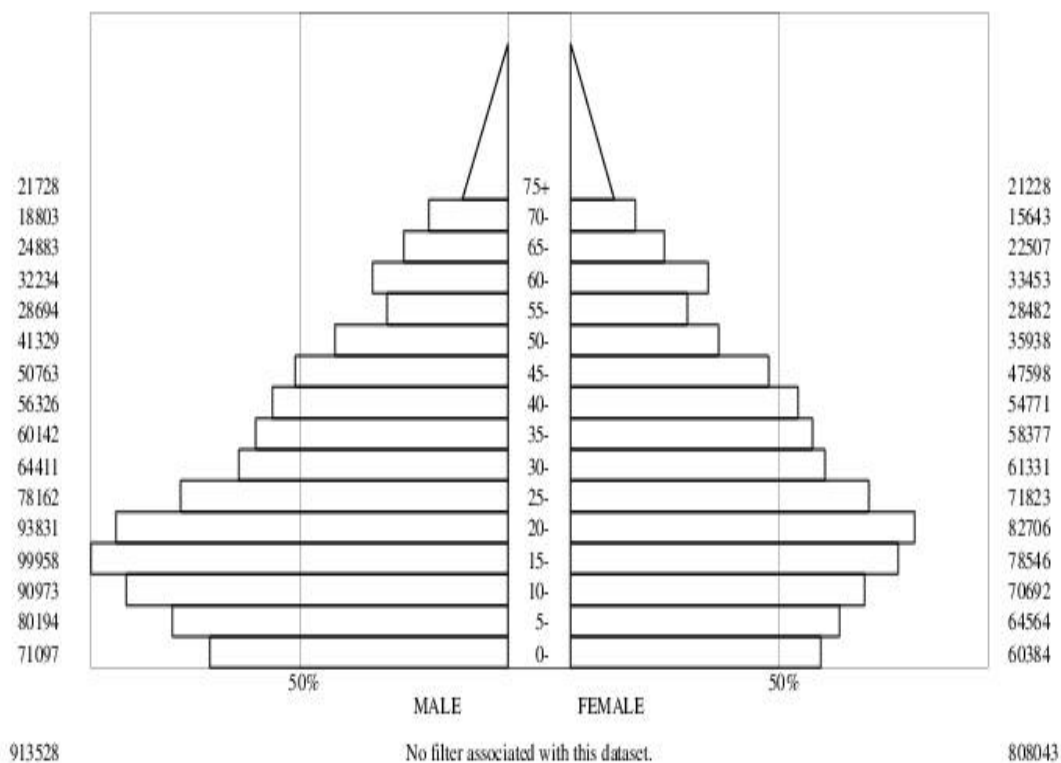
Table 5: Estimated Population of Sangrur District as on 1st July 2014

Age-group	Male	%	Female	%	Total	%
0-4	71097	7.8	60384	7.5	131481	7.6
5-9	80194	8.8	64564	8	144758	8.4
10-14	90973	10	70692	8.7	161665	9.4
15-19	99958	10.9	78546	9.7	178504	10.4
20-24	93831	10.3	82706	10.2	176537	10.3
25-29	78162	8.6	71823	8.9	149985	8.7
30-34	64411	7.1	61331	7.6	125742	7.3
35-39	60142	6.6	58377	7.2	118519	6.9
40-44	56326	6.2	54771	6.8	111097	6.5
45-49	50763	5.6	47598	5.9	98361	5.7
50-54	41329	4.5	35938	4.4	77267	4.5
55-59	28694	3.1	28482	3.5	57176	3.3
60-64	32234	3.5	33453	4.1	65687	3.8
65-69	24883	2.7	22507	2.8	47390	2.8
70-74	18803	2.1	15643	1.9	34446	2.0
75+	21728	2.4	21228	2.6	42956	2.5
Total	913528	100	808043	100	1721571	100

Figure 3: Population pyramid of Sangrur district as on 1st July 2014

Punjab Cancer Registry, Sangrur (2014)

PBCR Sangrur 2014 Population Pyramids



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 identify the cancer cases diagnosed in the area as well the cancer deaths noted in the village administrative office. The field staff interacts with the village Sarpanch, Auxiliary Nurse Midwife (ANM), Anganwadi workers, ASHA workers, and the medical officer of the primary health centre to get the cancer cases diagnosed in the village and to see if any cancer death 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 interact with the patient/patient's relative and ask 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?

As per the information, the social workers note down the information available with the patient. As per the information provided by the patient/patient's relative, the field staff interacts with the treating cancer centre and collects the clinical details and registers the cancer case in the prescribed proforma. If we do not get access to the medical records of the patient, we register the cases based on the information provided by the patient's relative.

In the second visit, the field staff updates the status of the cancer cases. He 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 enquires about the cancer deaths that have happened in the village. They also collect the death cases' information from the village birth and death records. In the same manner as the cancer incidence cases, the field staff interacts with the patient's relative and inquires about the deaths that have happened. Based on the information provided by the relatives and by matching with the medical records available in the cancer registry the cancer death is registered.

Cancer Prevalence Cases

During the field visit, field staff come across the cases diagnosed before 2013/2014. The field staff take detailed information of the cancer case from the patient's relative and maintain the data in the registry office. In the second visit, field staff update the status of the cancer cases. If there is any death of the prevalent case in that year, then after matching with the registry record the cancer death is registered.

Data Checking

All the cases collected by field staff 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 is been coded by the International Classification of Diseases on Oncology – Third Edition, Geneva, 2000 (ICD-03)⁷.

Data Entry

The data entry was carried out in CanReg5 software developed by the International Agency for Research on Cancer, Lyon, France⁶.

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

Cancer Cases Data Collection from Different Hospitals

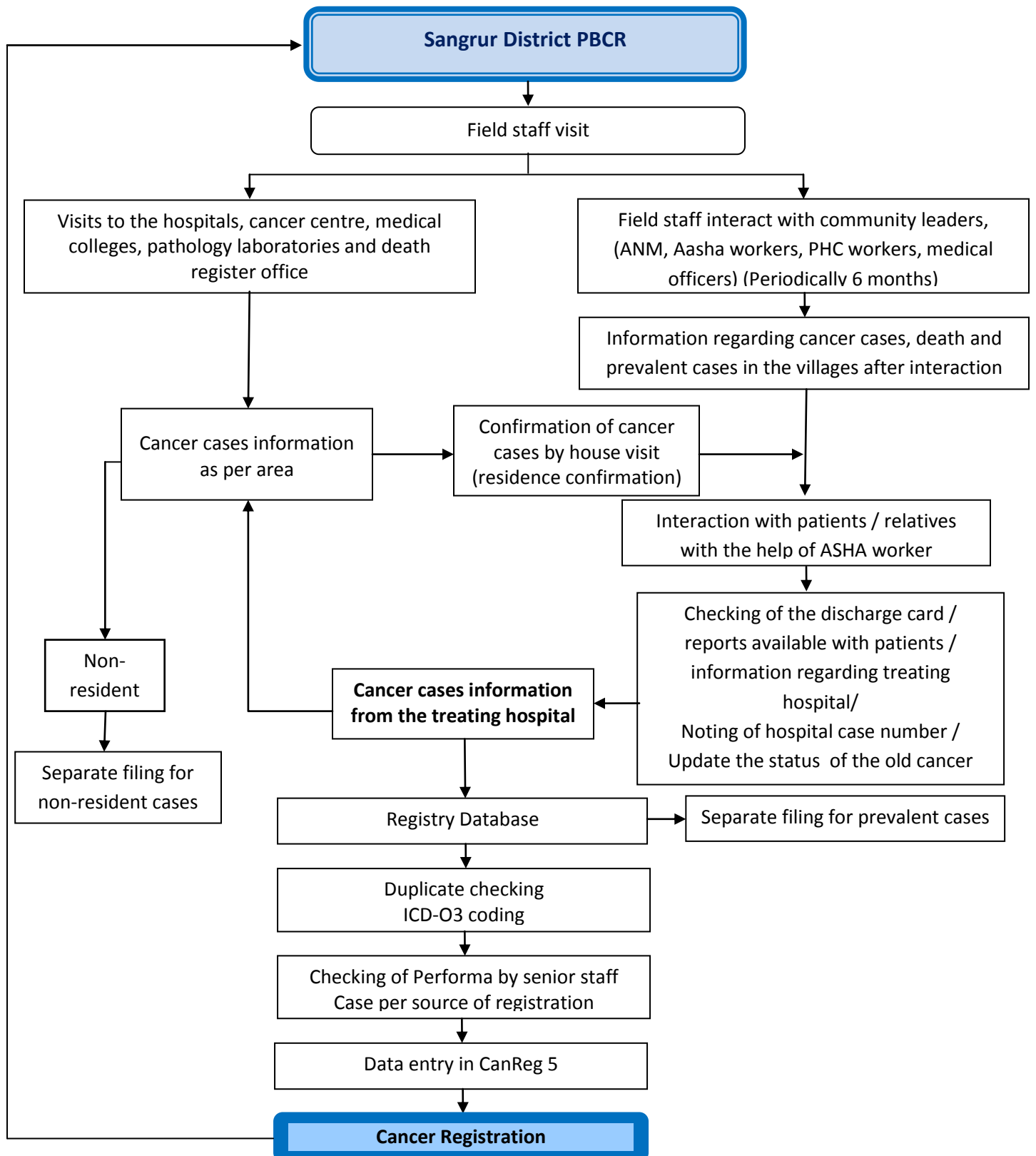
Registry staff regularly visit the following centers to collect the cancer cases/death cases information from Sangrur district. Chandigarh and SAS Nagar PBCR staff appointed by TMC regularly visit all the hospitals from Chandigarh and the SAS Nagar area to collect the cancer case data. They provide the cancer cases 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	Post Graduate Institute of Medical Education and Research (PGIMER)	Chandigarh
2	Government Medical College and Hospital, Sector 32	Chandigarh
3	Government Multi Speciality Hospital, Sector- 16	Chandigarh
4	Homi Bhabha Cancer Hospital	Sangrur
5	Civil Hospital	Sangrur
6	Births and Deaths Registrar	Sangrur
7	Poonam Lab	Sangrur
8	Sodhi Scan Centre	Sangrur
9	Cancer Cell	Sangrur
10	Harbans Ultrasound and CT Scan Centre	Sangrur
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	Amargarh

22	Births and Deaths Registrar	Amargarh
23	Community Health Centre	Bhawanigarh
24	Births and Deaths Registrar	Bhawanigarh
25	Community Health Centre	Lehragaga
26	Births and Deaths Registrar	Lehragaga
27	Community Health Centre	Ahmedgarh
28	Births and Deaths Registrar	Ahmedgarh
29	Births and Deaths Registrar	Dirba
30	Births and Deaths Registrar	Sunam
31	Jyoti Ultrasound	Sunam
32	Births and Deaths Registrar	Malerkotla
33	Hazrat Haleema Hospital	Malerkotla
34	Births and Deaths Registrar	Bhawanigarh
35	Births and Deaths Registrar	Khanauri
36	Births and Deaths Registrar	Moonak
37	Primary Health Centre	Moonak
38	Amar Hospital	Patiala
39	Government Medical College/Rajindra Hospital	Patiala
40	O.P Jindal Institute of Medical Sciences	Hisar
41	Life Line Care Hospital/ Adhar Health Institute	Hisar
42	Births and Deaths Registrar	Dhuri
43	Civil Hospital	Dhuri
44	Guru Gobind Singh Medical College & Hospital	Faridkot
45	Acharaya Tulsi Regional Cancer Treatment Centre & Research Institute	Bikaner
46	Max Super Speciality Hospital	Bathinda
47	Gian Sagar Medical College and Hospital	Banur
48	Civil Hospital	Malerkotla
49	Community Health Centre	Longowal
50	Primary Health Centre	Sherpur
51	Births and Deaths Registrar	Cheema
52	Primary Health Centre	Fatehgarh Panjgarian
53	Pandit Bhagwat Dayal Sharma, PGIMS	Rohtak
54	Community Health Centre	Kauhrian

Figure 4: Cancer Registration Method



6. Community Involvement in the Cancer Registration Process

The cancer patient from this area travels 60 kms to 420 kms for cancer treatment. It is practically difficult for the registry staff to visit these entire centers regularly. The Punjab Government has conducted a doortodoor campaign and household survey to know the prevalence of cancer in each district of the state¹¹. Due to this programme, the community leaders are aware of the importance of the disease and the cancer registration process. The primary health centre staff, ASHA workers, and Anganwadi workers, provide their cooperation in giving the information of newly diagnosed cancer/cancer deaths that have occurred in the village. The trained field staff from the registry, continuously interact with these community members to obtain the information regarding cancer cases in the villages.

Due to community interaction we are 100% sure about the residence confirmation of the cancer cases. Due to interaction with the patient/patients relatives they provide the demographic information such as education, income and religion etc. Due to regular village visits and interactions with the community we can update the status of cancer patients, which will be utilized for cancer survival analysis. In the initial period, the two major cancer centers refused to provide the cancer cases data. In that situation, due to field visit and interaction with community leaders we are able to get the information of the cancer cases from the village after contacting patients / their relatives. **As compared to the previous year, we have interacted more with urban community leaders and our case finding has improved in urban areas compared to the year 2013. In the previous year, we have interacted with 1,900 community leaders and in the year 2014 we have interacted with 2,335 community representatives from 585 villages.**

Registry staff interacted with community leaders and primary health centre staff to know the information of the cancer cases diagnosed. 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	69	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	4	1	54	172	54	5	17	367
Longowal	66	47	2	3	1	35	146	99	20	7	360
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	99	41	1	1	1	46	197	152	6	13	458
Total	585	356	8	25	7	279	1021	460	78	101	2335

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 2014, 879 incident cancer cases (413 males and 466 females) have been registered by PBCR Sangrur. For the same period, 564 cancer deaths have been registered (294 males and 270 females). The overall mortality to incidence ratio is 0.64 (64%), males 0.71 (71.3%) and females 0.58 (58%) which is good and comparable to other established rural PBCRs in India.⁴

Reabstraction of the Cases

A quality control exercise was carried out for the improvement of the records and for the retraining of the staff. The medical person from PGI selected 40 cases (randomly) for re-abstraction. During the quality control exercise, it was observed that staff 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/ PGI Chandigarh. The data were modified and reentered.

Incidence Rates of Childhood Cancers

In the year 2014, we registered 12 cases in boys and 4 in girls. The age specific rates reported for the pediatric cancer is very low. We may have missed the pediatric cancer cases. The age specific incidence rate by sex is mentioned below in Table 8.

Table 8: Incidence Rate of Pediatric Cancer Cases in Sangrur district: 2014

Age group	Boys		Girls	
	Number of Cases	Age Specific Rate	Number of Cases	Age Specific Rate
0 - 4	5	7.0	2	3.3
5 - 9	4	5.0	0	0.0
10 - 14	3	3.3	2	2.8

Microscopic Verification of the Cases

In the year 2014, out of 413 males cases, 345 cases (83.5%) were diagnosed on microscopic verification. 8.0% of cases were diagnosed on the basis of radiological findings and 0.5% 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 466 cases we have 400 cases (85.8%) diagnosed on microscopic verification. 8.6% of cases were diagnosed on radiological findings and 0.2% of cases were diagnosed clinically.

Death Certificate Only Cases (DCO)

We have registered 28 cases in males (6.8%) and 15 cases in females (3.2%) under the DCO/Other category. The death cases have been registered based on the narration/relative remarks/discharge summary available with the patient's relative. In principle, they are not registered based on the death certificate only because the death certificate does not have the documentation as a cancer death. As compared to previous year female DCO cases as gone down 9% to 3%.

Per Source Case Registration

We have also seen the number of sources per incident case registered. The cases were counted as per source notification. In Sangrur, the average number of source per case registered is 2.1. The coverage of the sources by the registry has become higher.¹²

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. **More than 44% of cases first source of information is from the village visit. As compared to the previous year, the first source of registration as a village visit has gone down by 11% (from 55% to 44%).** 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	Village Visit	190	46.0	203	43.6	393	44.7
2	Post Graduate Institute of Medical Education And Research (PGIMER), Chandigarh	60	14.5	62	13.3	122	13.9
3	Rajindra Medical College & Hospital, Patiala	26	6.3	26	5.6	52	5.9
4	Cancer Control Cell, Sangrur	20	4.8	32	6.9	52	5.9
5	MOH Ludhiana	17	4.1	27	5.8	44	5.0
6	Sodhi Scan Centre	15	3.6	22	4.7	37	4.2
7	Poonam Lab, Sangrur	6	1.5	20	4.3	26	3.0
8	Acharya Tulsi Das Regional Cancer Center and Research Institute (ATRCTRI) Bikaner	16	3.9	10	2.1	26	3.0
9	Guru Gobind Singh Medical College & Hospital, Faridkot	10	2.4	13	2.8	23	2.6
10	Homi Bhabha Cancer Hospital, Sangrur	10	2.4	7	1.5	17	1.9
11	Death & Birth Registrar	8	1.9	8	1.7	16	1.8
12	GMCH 32, Chandigarh	7	1.7	5	1.1	12	1.4
13	DMC, Ludhiana	8	1.9	4	0.9	12	1.4
14	Indus Hospital, SAS Nagar	2	0.5	4	0.9	6	0.7
15	CHC, Ahemdgarh	4	1.0	1	0.2	5	0.6
16	Fortis Hospital, SAS Nagar	1	0.2	4	0.9	5	0.6
17	Gian Sagar Hospital	4	1.0	1	0.2	5	0.6
18	Max Hospital, SAS Nagar	2	0.5	3	0.6	5	0.6
19	Hazarat Haleema, Malerkotla	1	0.2	3	0.6	4	0.5
20	Civil Hospital, Sangrur	1	0.2	2	0.4	3	0.3
21	IVY Hospital, SAS Nagar	0	0.0	3	0.6	3	0.3
22	Max Hospital, Bhatinda	2	0.5	1	0.2	3	0.3
23	Fortis Hospital, Ludhiana	1	0.2	1	0.2	2	0.2
24	Behgal Hospital	0	0.0	1	0.2	1	0.1
25	Civil Hospital, Malerkotla	1	0.2	0	0.0	1	0.1
26	Civil Hospital, Dhuri	0	0.0	1	0.2	1	0.1
27	Gracian Hospital, SAS Nagar	1	0.2	0	0.0	1	0.1
28	Jyoti Scan Centre, Sangrur	0	0.0	1	0.2	1	0.1
29	Medicos Lab, Chandigarh	0	0.0	1	0.2	1	0.1
	Total	413	100	466	100	879	100

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

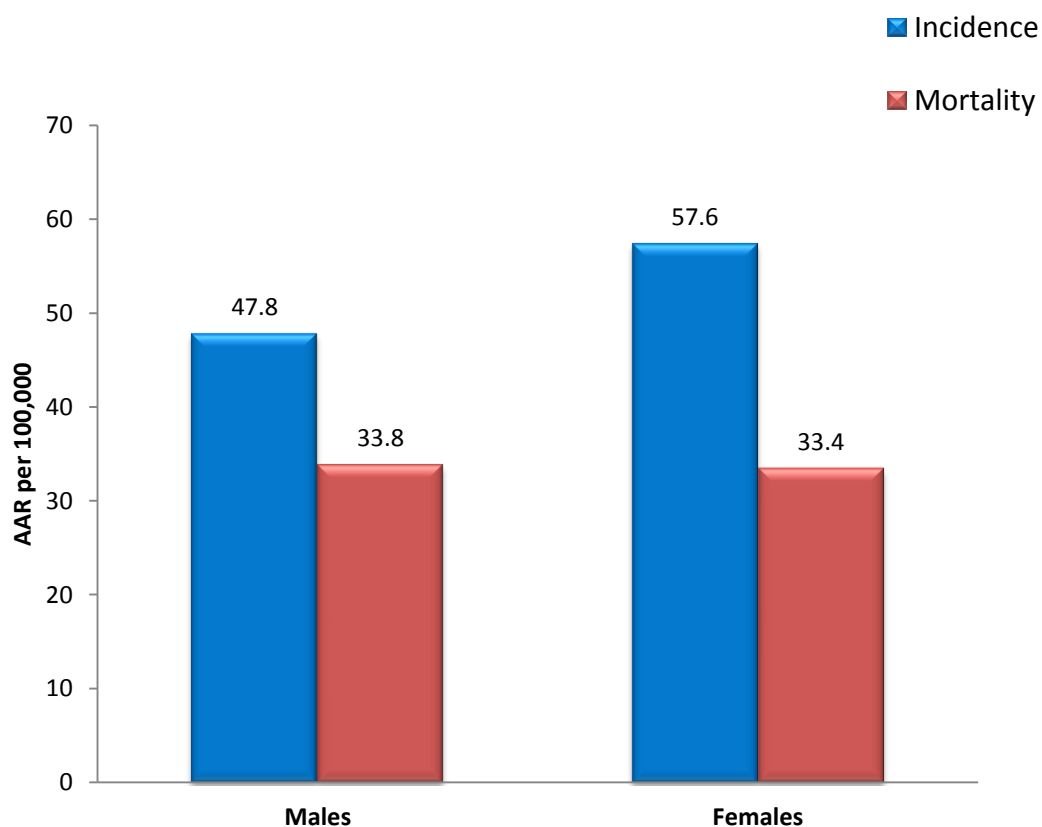
Sr. No.	Source of Registration	Male	%	Female	%	Total	%
1	Village Visit	184	62.6	186	68.9	370	65.6
2	Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh	23	7.8	10	3.7	33	5.9
3	Death & Birth Registrar	12	4.1	15	5.6	27	4.8
4	Sodhi Scan Centre, Sangrur	9	3.1	12	4.4	21	3.7
5	Guru Gobind Singh Medical College & Hospital, Faridkot	11	3.7	9	3.3	20	3.5
6	Rajindra Medical College & Hospital, Patiala	7	2.4	8	3.0	15	2.7
7	Mohandai Hospital, Ludhiana	7	2.4	6	2.2	13	2.3
8	Acharya Tulsi Das Regional Cancer Centre and Research Institute (ATRCTRI) Bikaner	7	2.4	5	1.9	12	2.1
9	Cancer Control Cell, Sangrur	8	2.7	3	1.1	11	2.0
10	Dayanand Medical College & Hospital, Ludhiana	10	3.4	1	0.4	11	2.0
11	Poonam Lab, Sangrur	4	1.4	2	0.7	6	1.1
12	Indus Hospital, Mohali	2	0.7	3	1.1	5	0.9
13	CHC , Ahemdgarh	2	0.7	2	0.7	4	0.7
14	Fortis Hospital, Mohali	1	0.3	2	0.7	3	0.5
15	GMCH-32, Chandigarh	1	0.3	2	0.7	3	0.5
16	Gian Sagar Hospital	1	0.3	1	0.4	2	0.4
17	Max Hospital, Bhatinda	2	0.7	0	0.0	2	0.4
18	Fortis Hospital, Ludhiana	1	0.3	0	0.0	1	0.2
19	Hazarat Haleema Hospital, Malerkotla	0	0.0	1	0.4	1	0.2
20	IVY Hospital, Mohali	0	0.0	1	0.4	1	0.2
21	Max Hospital, Mohali	1	0.3	0	0.0	1	0.2
22	Behgal Hospital, Mohali	1	0.3	0	0.0	1	0.2
23	Civil Hospital, Sangrur	0	0.0	1	0.4	1	0.2
	Total	294	100	270	100	564	100

9. Cancer Incidence and Mortality – All Sites

In the year 2014, the cancer registry registered 879 cancer cases. In males, we had 413 cases and in females we had 466 cases. The age adjusted incidence rate for males was 47.8 per 100,000 and for females it was 57.6 per 100,000.

In the year 2014, the cancer registry has registered 564 cancer deaths. In males, we have registered 294 deaths and in females 270 deaths. The age adjusted mortality rate for males is 33.8 per 100,000 and for females it is 33.4 per 100,000. 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, mouth, tongue, liver, prostate, brain, NHL, larynx, lung and gall bladder are the leading cancer sites. The top ten leading cancer sites rates are presented in Figure 6. In females, breast, cervix uteri, oesophagus, ovary, gall bladder, brain, myeloid leukemia, liver, corpus uteri, and NHL are the leading cancer sites. The top 10 leading cancer sites are presented in Figure 7.

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

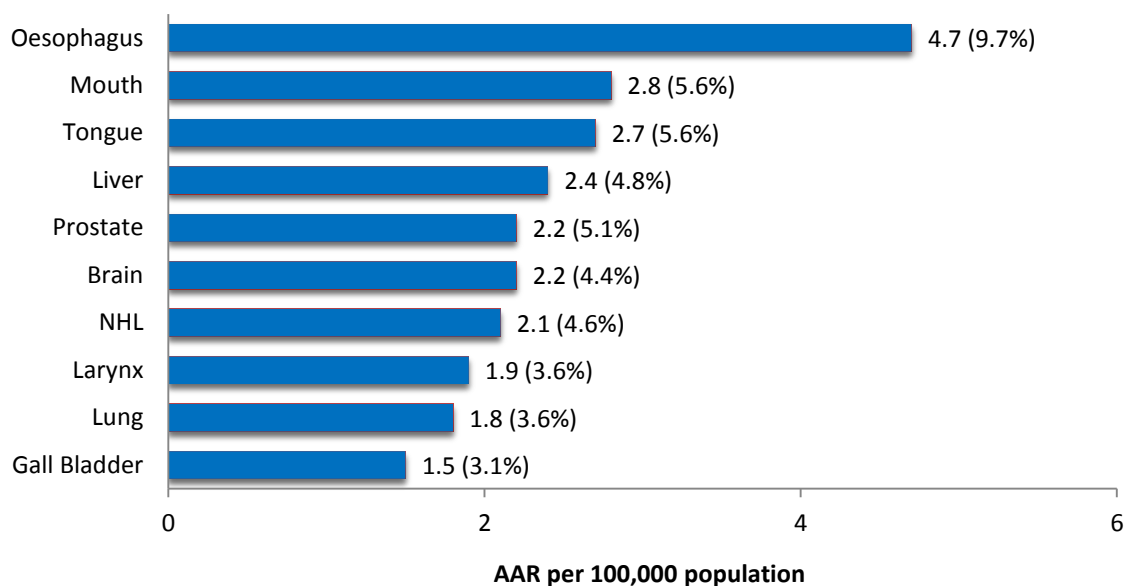
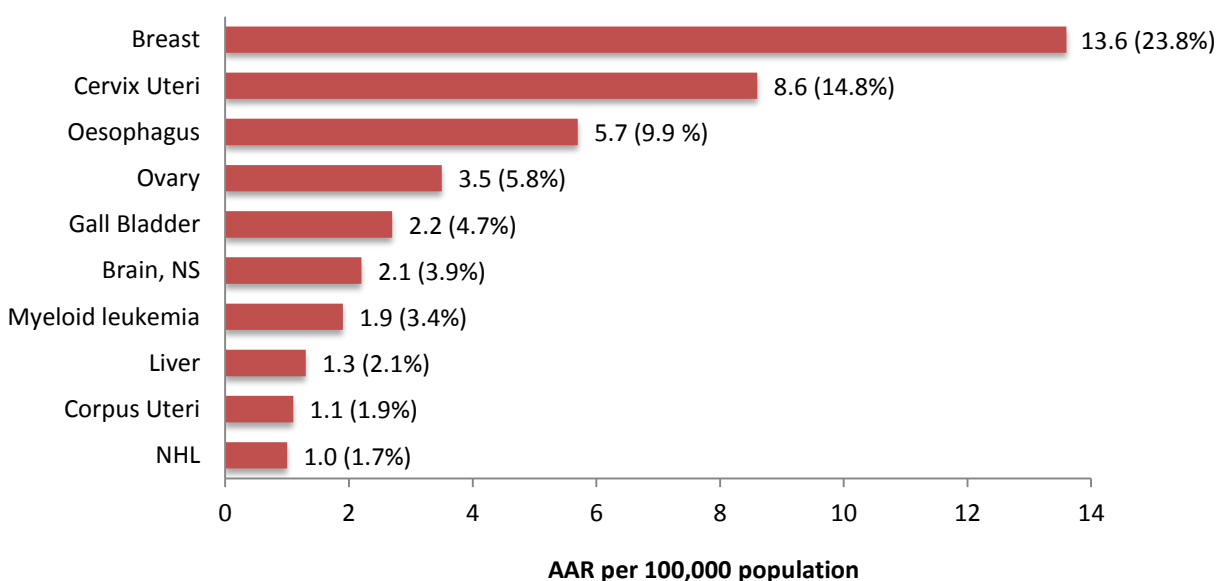


Figure 7: Leading Cancer Sites in Females (figures in parenthesis indicate the Percentage)



Cancer of Oesophagus (C15)

	Male	Female
Number of Cases	40	46
% to total cases	9.7	9.9
Crude Incidence Rate per 100,000	4.4	5.7
Age Adjusted Incidence rate per 100,000	4.6	5.7
Truncated rate per 100,000	9.5	9.7

Figure 8: Age Specific Incidence rate of Cancer of Oesophagus (C15)

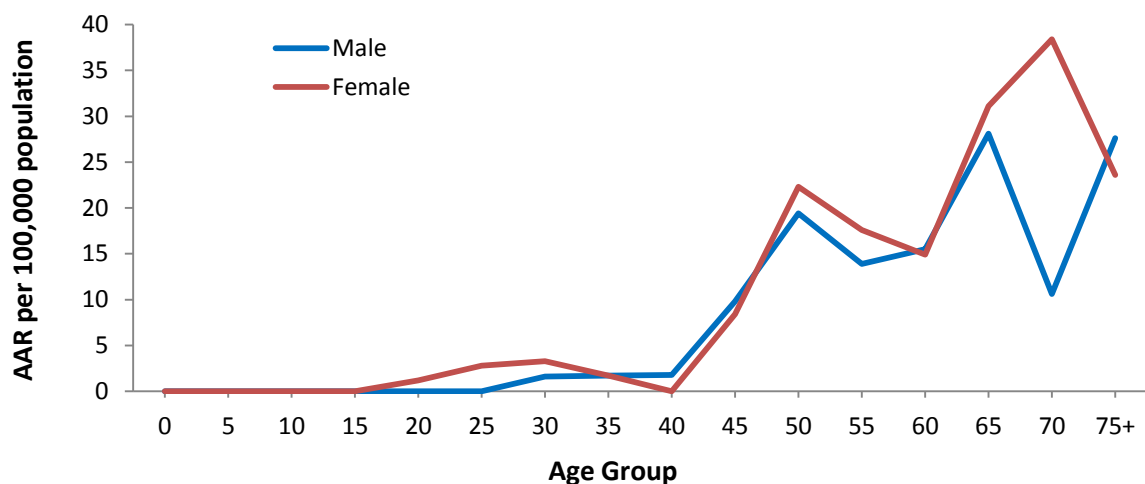
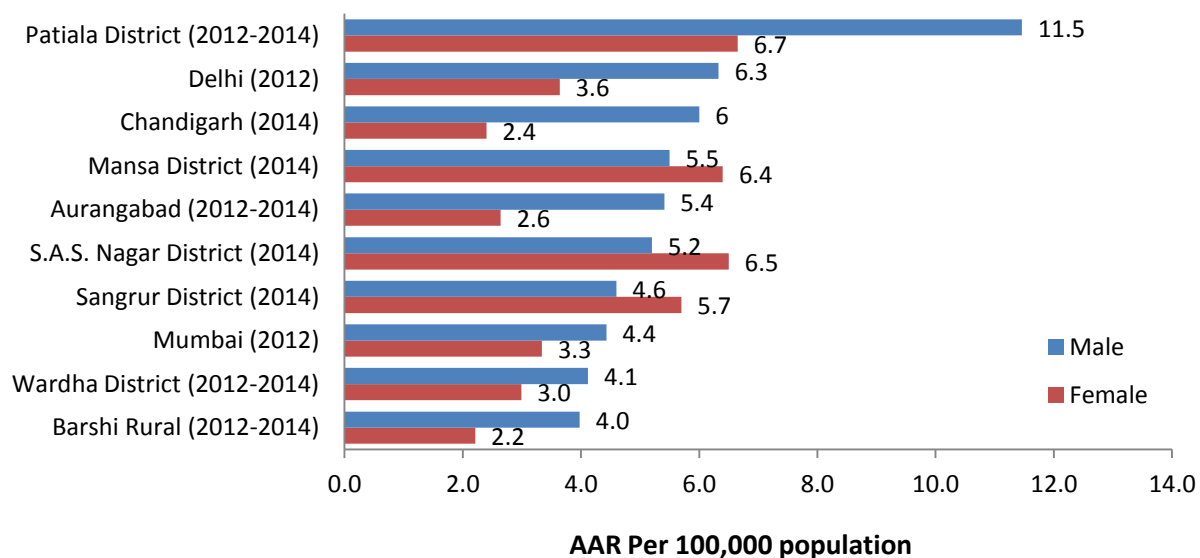


Figure 9: Comparison of Oesophagus Cancer Incidence Rate with Other Indian Registries



Cancer of Tongue (C01-02)

	Male	Female
Number of Cases	23	7
% to total cases	5.6	1.5
Crude Incidence Rate per 100,000	2.5	0.9
Age Adjusted Incidence Rate per 100,000	2.7	0.8
Truncated rate per 100,000	6.3	1.6

Figure 10: Age Specific Incidence Rate of Cancer of Tongue (C01-02)

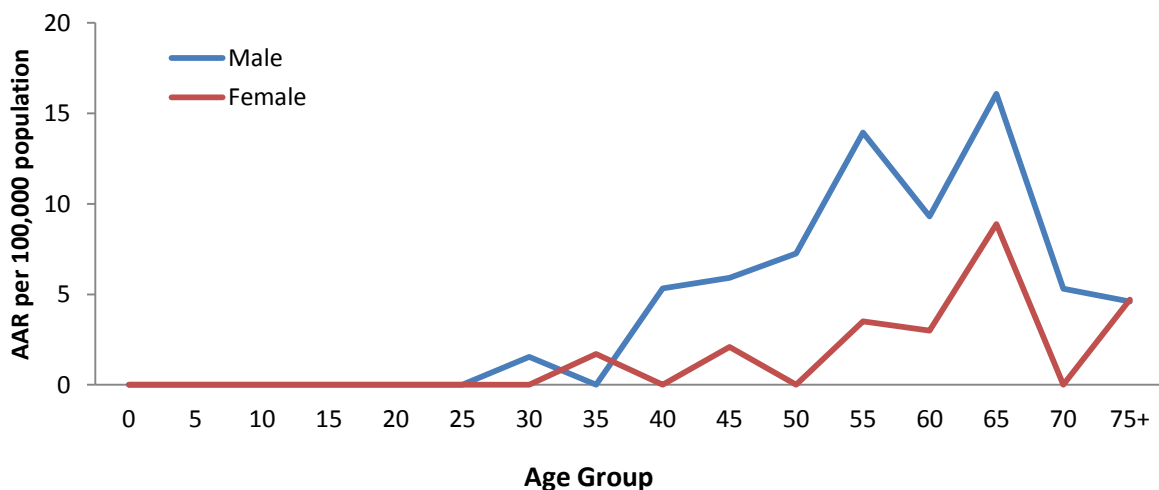
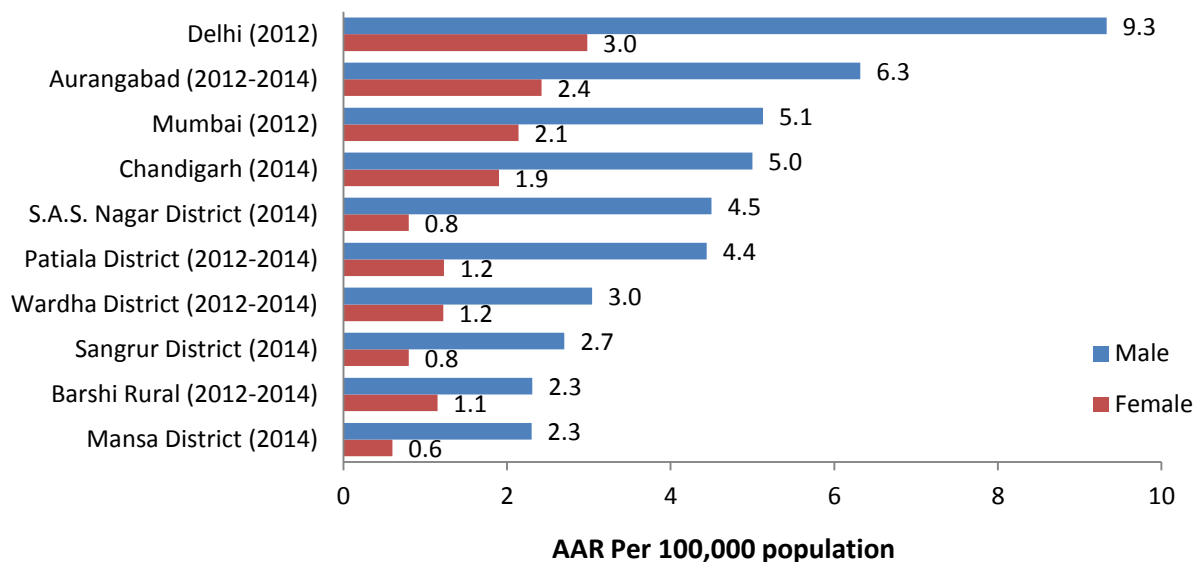


Figure 11: Comparison of Tongue Cancer Incidence Rate with Other Indian Registries



Cancer of Mouth (C03-C06)

	Male	Female
Number of Cases	23	5
% of Total Cases	5.6	1.1
Crude Incidence Rate per 100,000	2.5	0.6
Age Adjusted Incidence Rate per 100,000	2.8	0.7
Truncated Rate per 100,000	7.5	1.7

Figure 12: Age Specific Incidence Rate of Cancer of Mouth(C03-06)

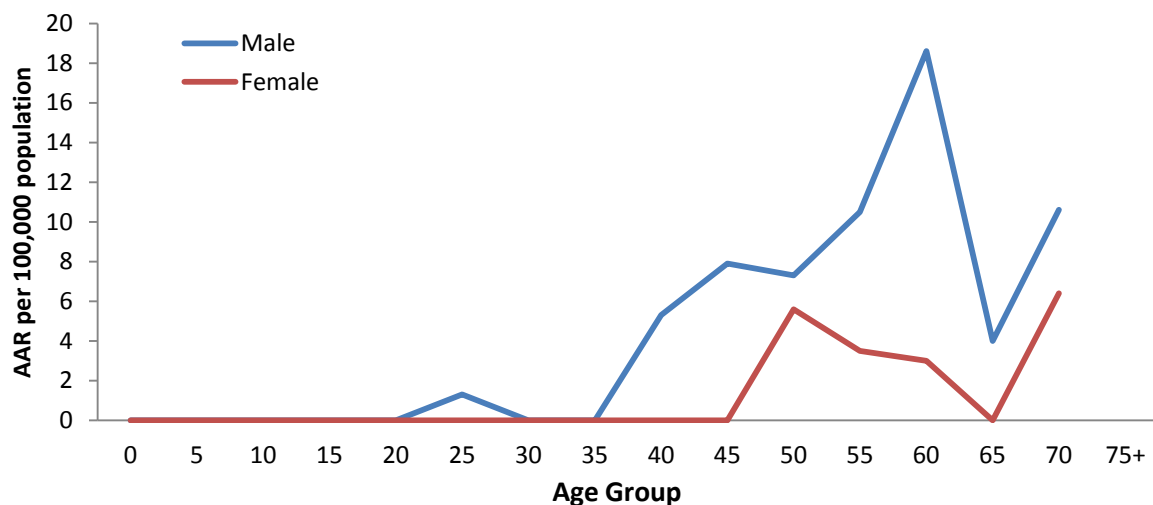
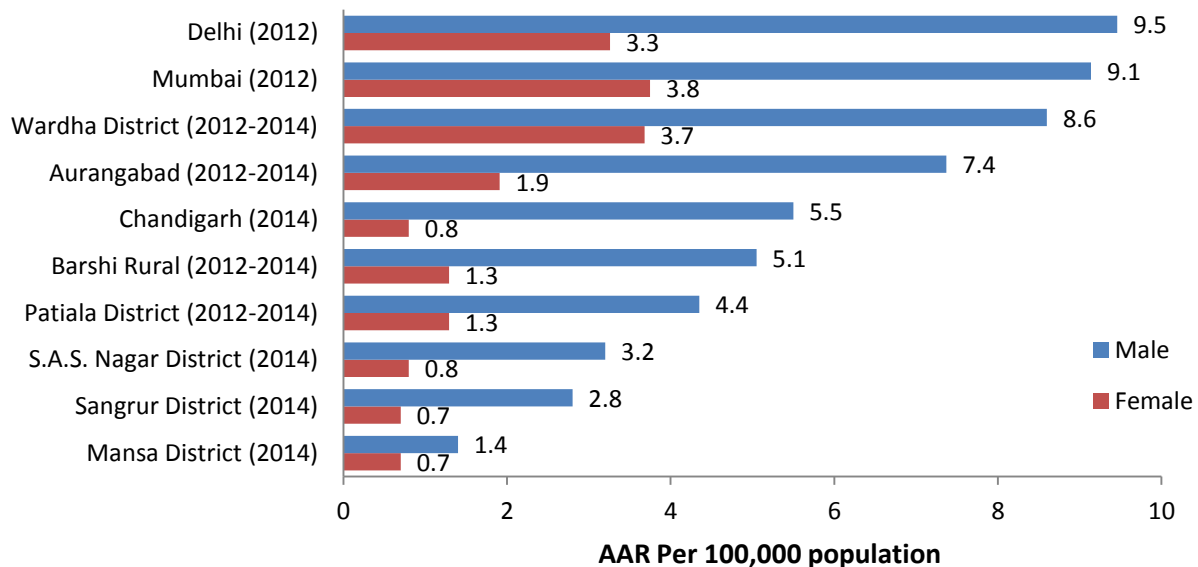


Figure 13: Comparison of Mouth Cancer Incidence Rate with Other Indian Registries



Cancer of Liver (C22)

	Male	Female
Number of Cases	20	10
% of Total Cases	4.8	2.1
Crude Incidence Rate per 100,000	2.2	1.2
Age Adjusted Incidence Rate per 100,000	2.4	1.3
Truncated Rate per 100,000	6.1	3.8

Figure 14: Age Specific Incidence Rate of Cancer of Liver(C22)

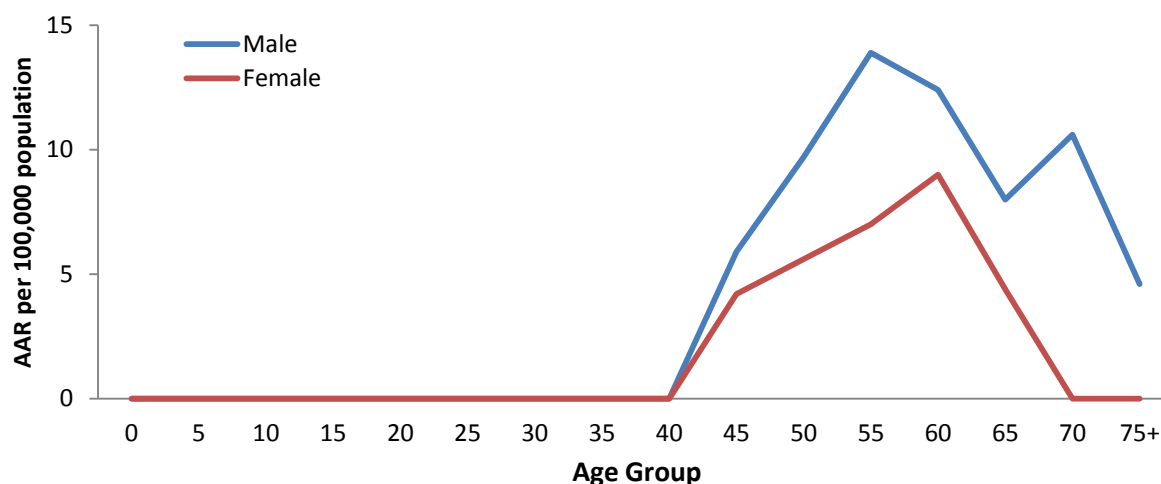
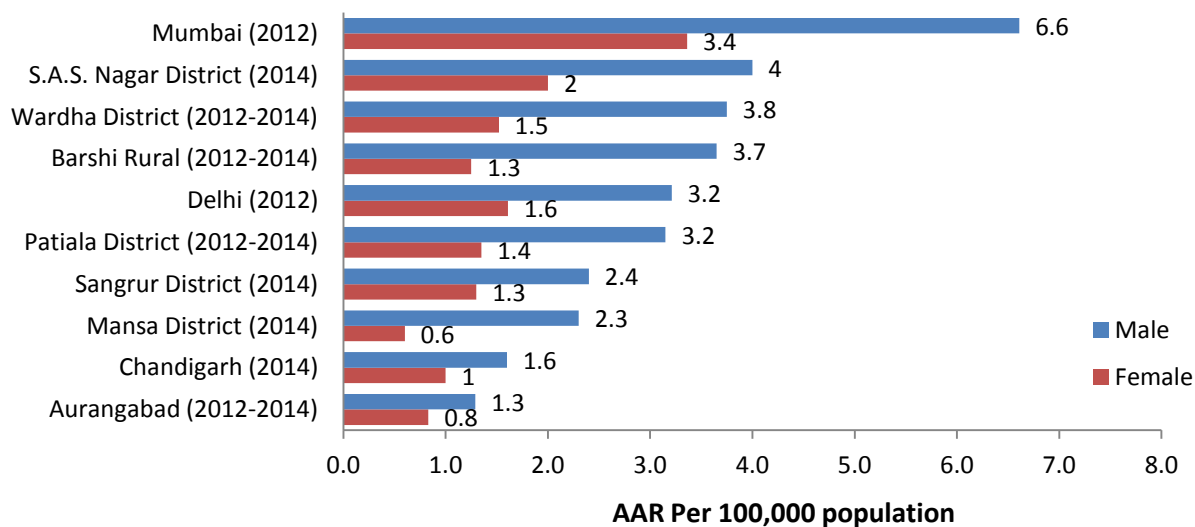


Figure 15: Comparison of Liver Cancer Incidence Rate with Other Indian Registries



Cancer of Prostate (C61)

Number of Cases	21
% to total cases	5.1
Crude Incidence Rate per 100,000	2.3
Age Adjusted Incidence rate per 100,000	2.2
Truncated rate per 100,000	1.2

Figure 16: Age Specific Incidence Rate of Cancer of Prostate (C61)

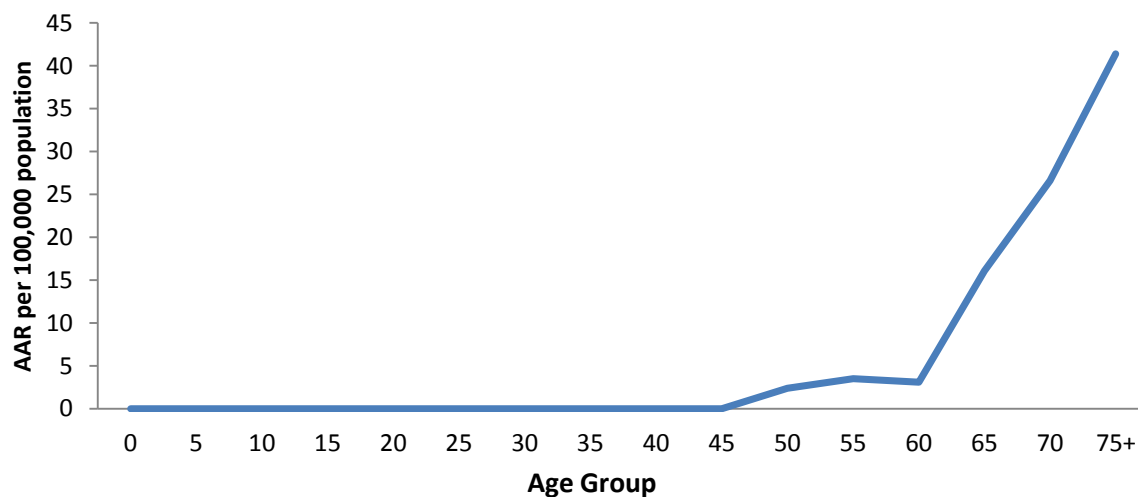
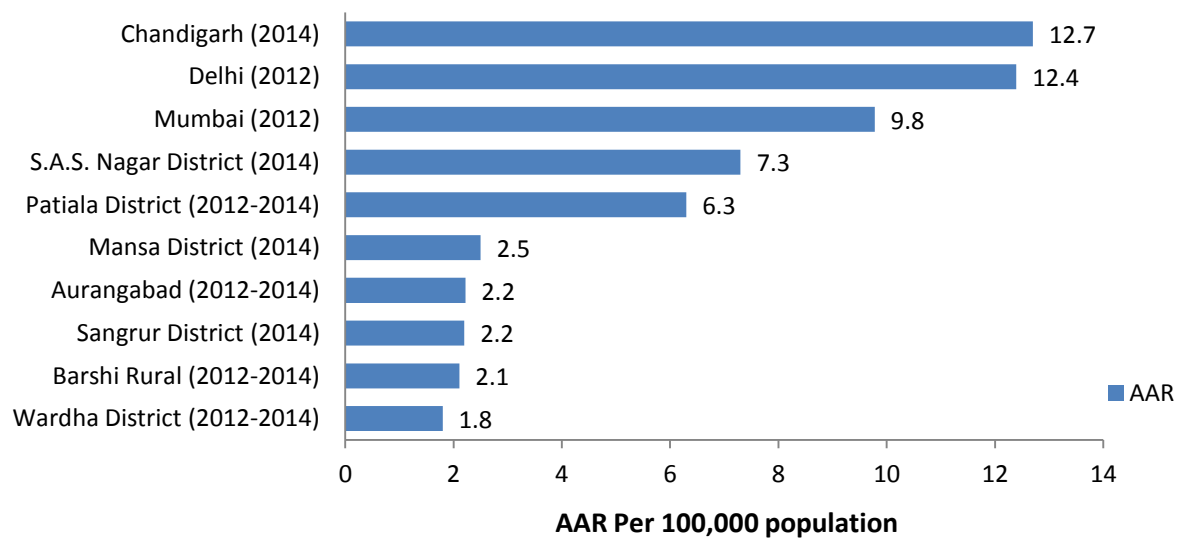


Figure 17: Comparison of Prostate Incidence Rate with Other Indian Registries



Cancer of Brain (C70-C72)

	Male	Female
Number of Cases	18	18
% to total cases	4.4	3.9
Crude Incidence Rate per 100,000	2.0	2.2
Age Adjusted Incidence rate per 100,000	2.2	2.2
Truncated rate per 100,000	6.7	4.5

Figure 18: Age Specific Incidence Rate of Cancer of Brain (C70-C72)

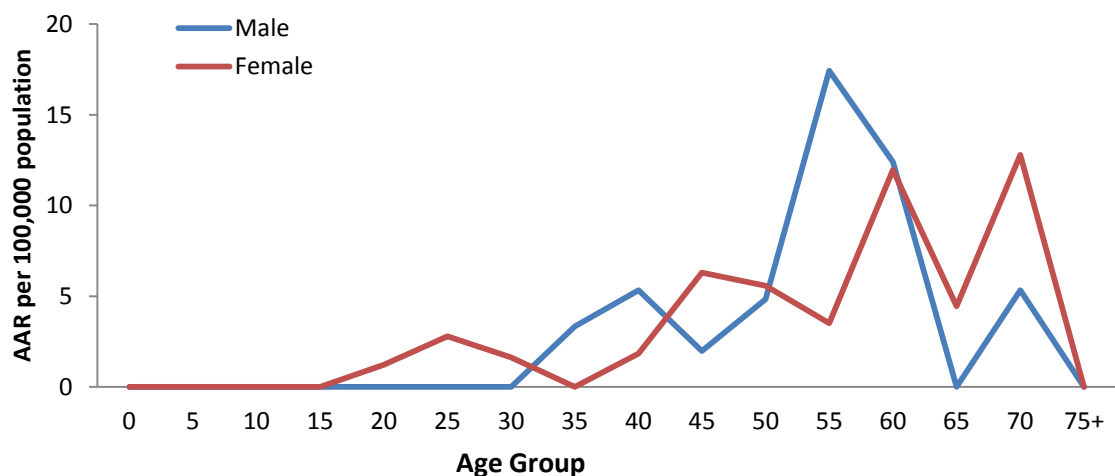
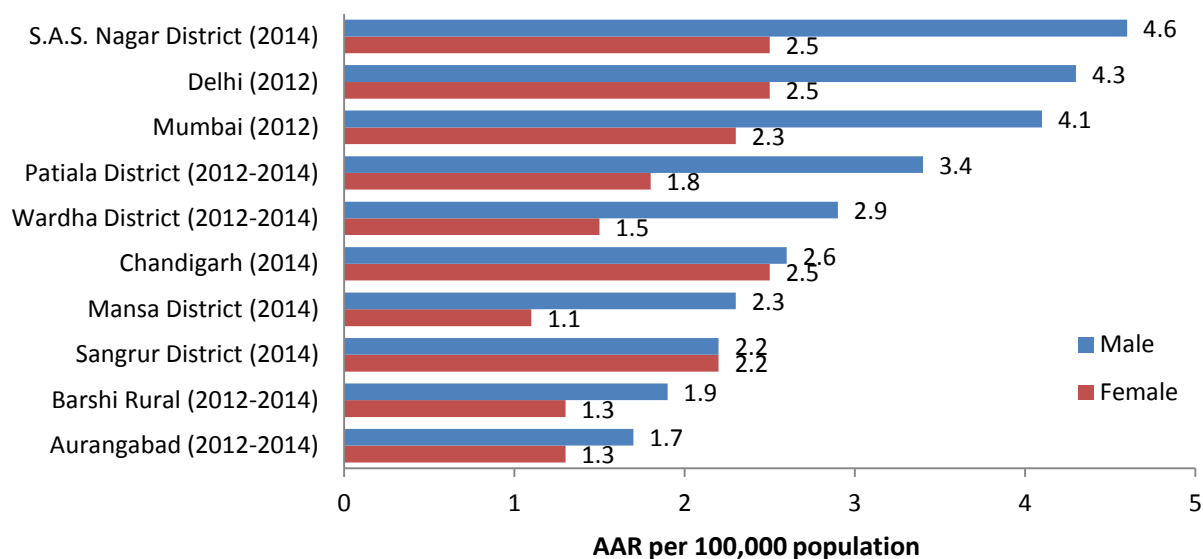


Figure 19: Comparison of Brain Cancer Incidence Rate With Other Indian Registries



Cancer of Breast (C50)

	Female
Number of Cases	111
% to total cases	23.8
Crude Incidence Rate per 100,000	13.7
Age Adjusted Incidence rate per 100,000	13.6
Truncated rate per 100,000	35.6

Figure 20: Age Specific Incidence Rate of Cancer of Breast (C50)

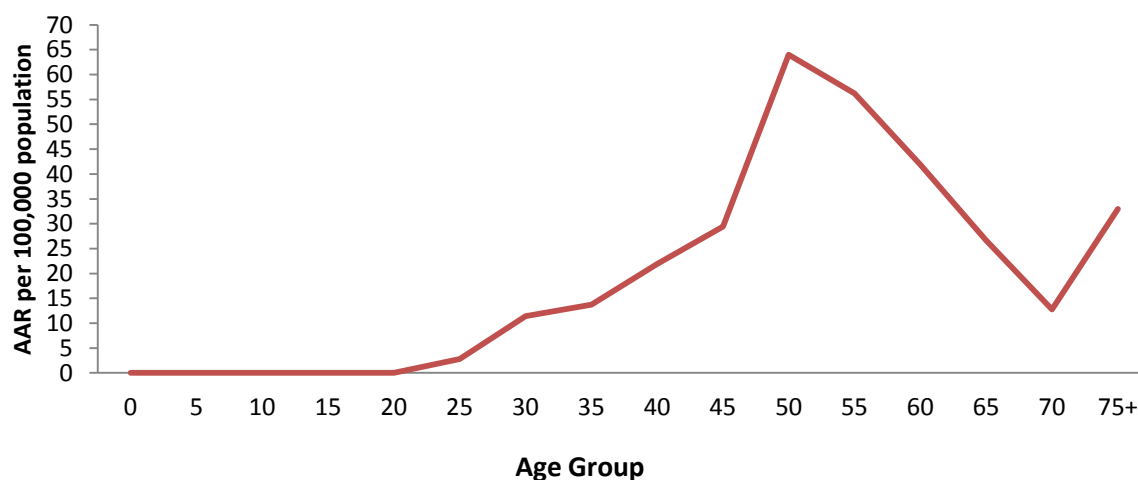
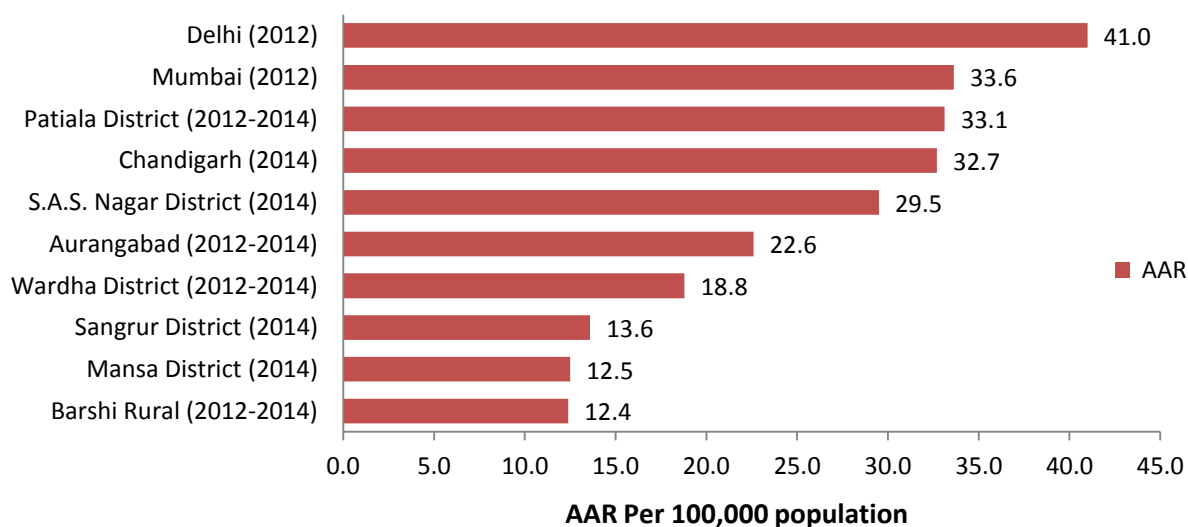


Figure 21: Comparison of Breast Cancer Incidence Rate With Other Indian Registries



***Note: One male case**

Cancer of Cervix Uteri (C53)

Number of Cases	69
% to total cases	14.8
Crude Incidence Rate per 100,000	8.5
Age Adjusted Incidence rate per 100,000	8.6
Truncated rate per 100,000	23.5

Figure 22: Age Specific Incidence Rate of Cancer of Cervix Uteri(C53)

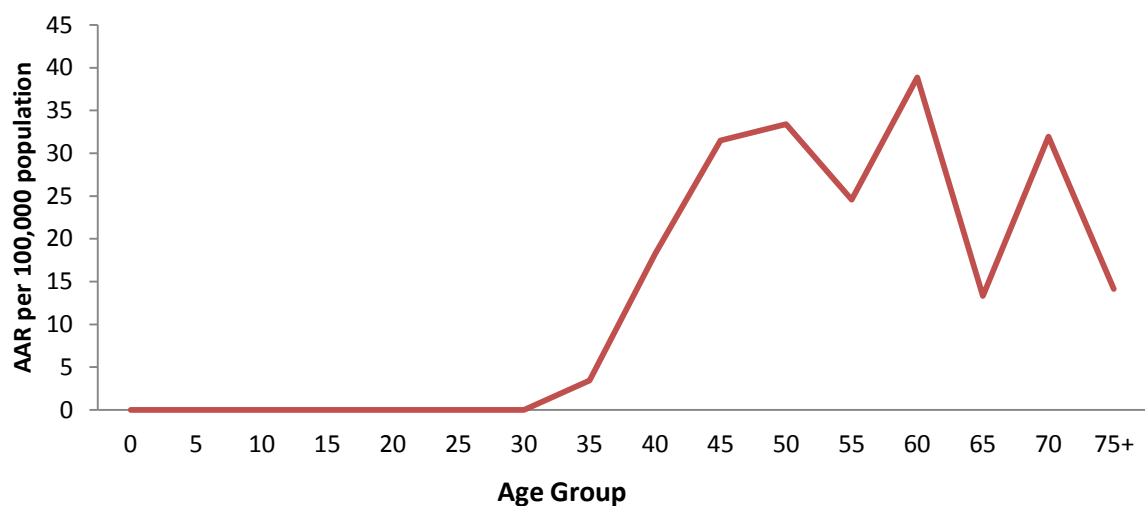
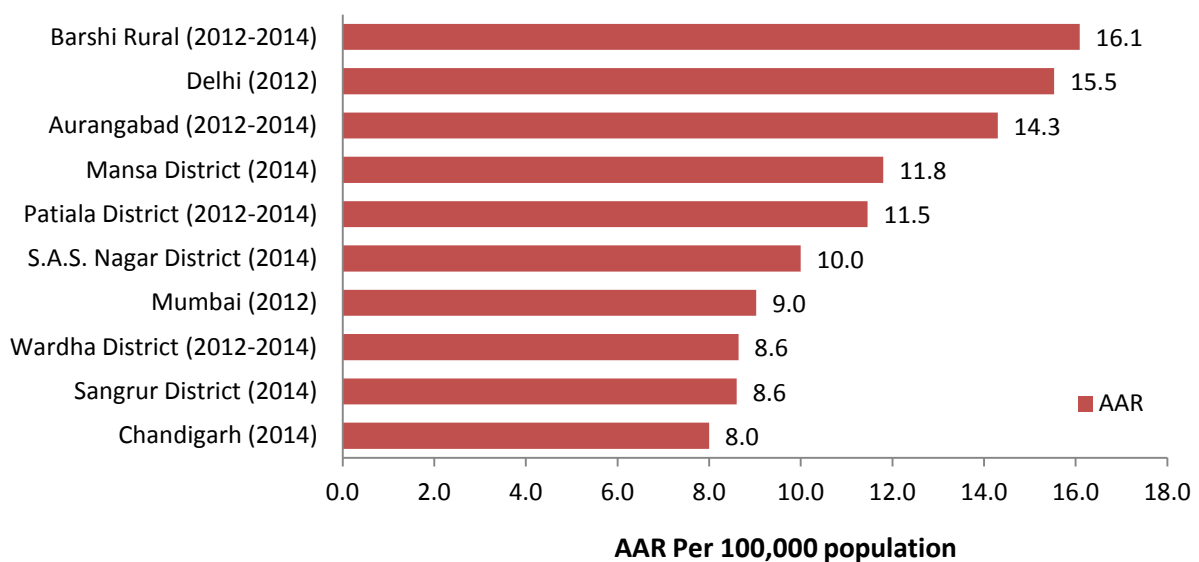


Figure 23: Comparison of Cervix Uteri Cancer Incidence Rate With Other Indian Registries



Cancer of Ovary (C56)

Number of Cases	27
% To Total Cases	5.8
Crude Incidence Rate per 100,000	3.3
Age Adjusted Incidence Rate per 100,000	3.5
Truncated Rate per 100,000	9.1

Figure 24: Age Specific Incidence Rate of Cancer of Ovary (C56)

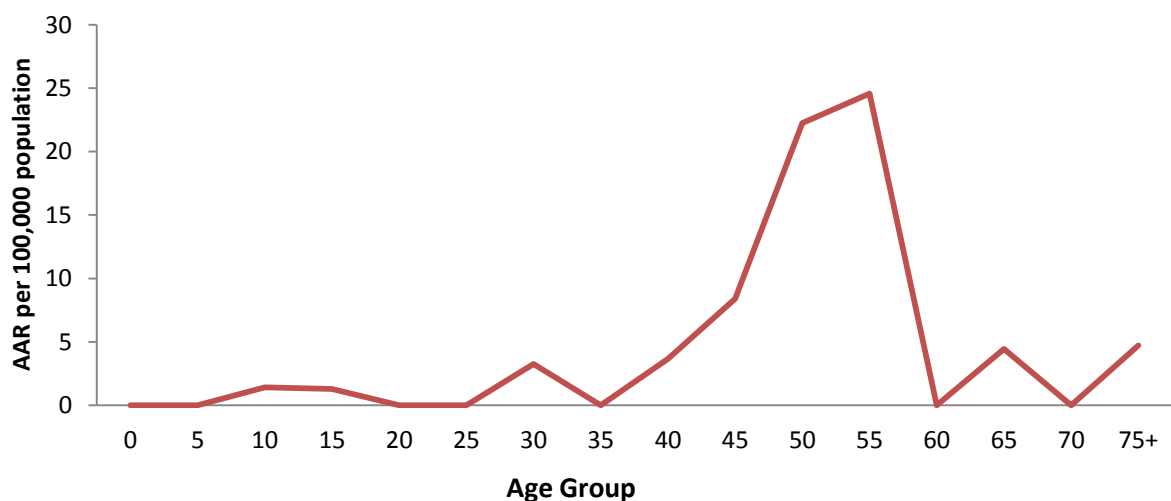
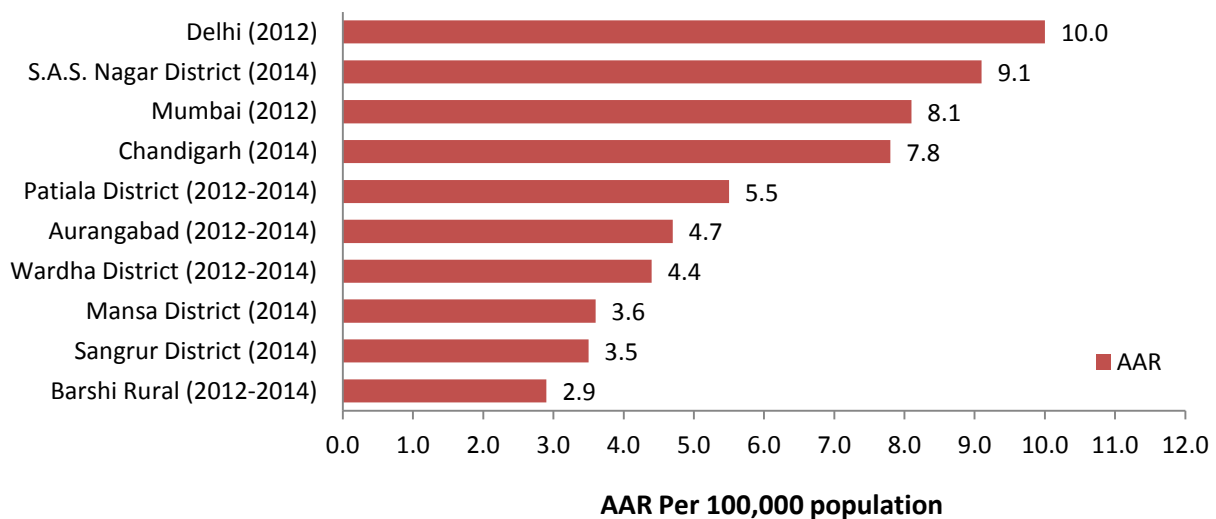


Figure 25: Comparison of Ovary Cancer Incidence Rate With Other Indian Registries



Cancer of Gall Bladder (C23-C24)

	Male	Female
Number of Cases	13	22
% To Total Cases	3.1	4.7
Crude Incidence Rate per 100,000	1.4	2.7
Age Adjusted Incidence Rate per 100,000	1.5	2.7
Truncated Rate per 100,000	2.4	6.0

Figure 26: Age Specific Incidence Rate of Cancer of Gall Bladder (C23-C24)

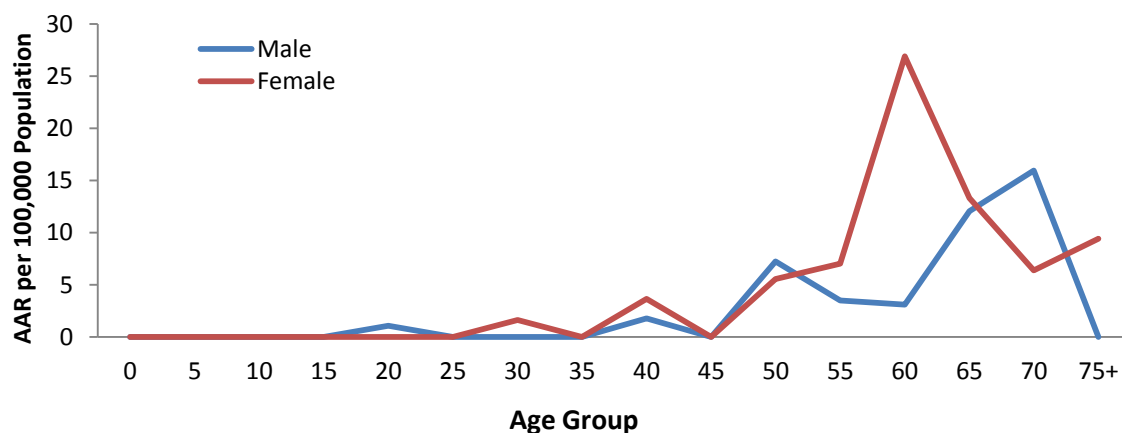


Figure 27: Comparison of Gall bladderCancer Incidence Rate With Other Indian Registries

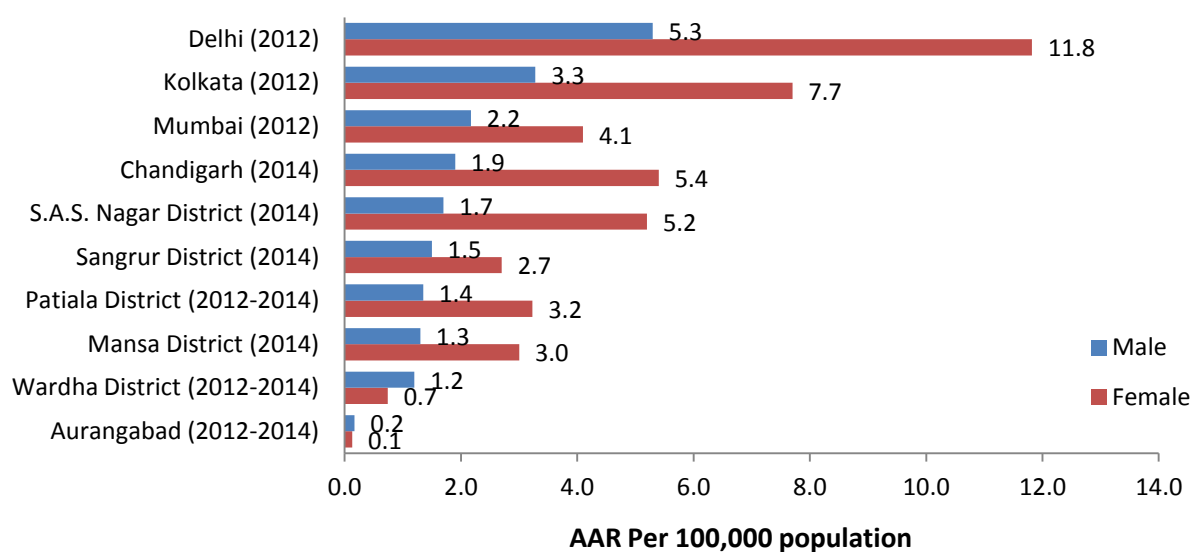


Figure 28: Age specific Incidence and Mortality Rate – Male All Sites

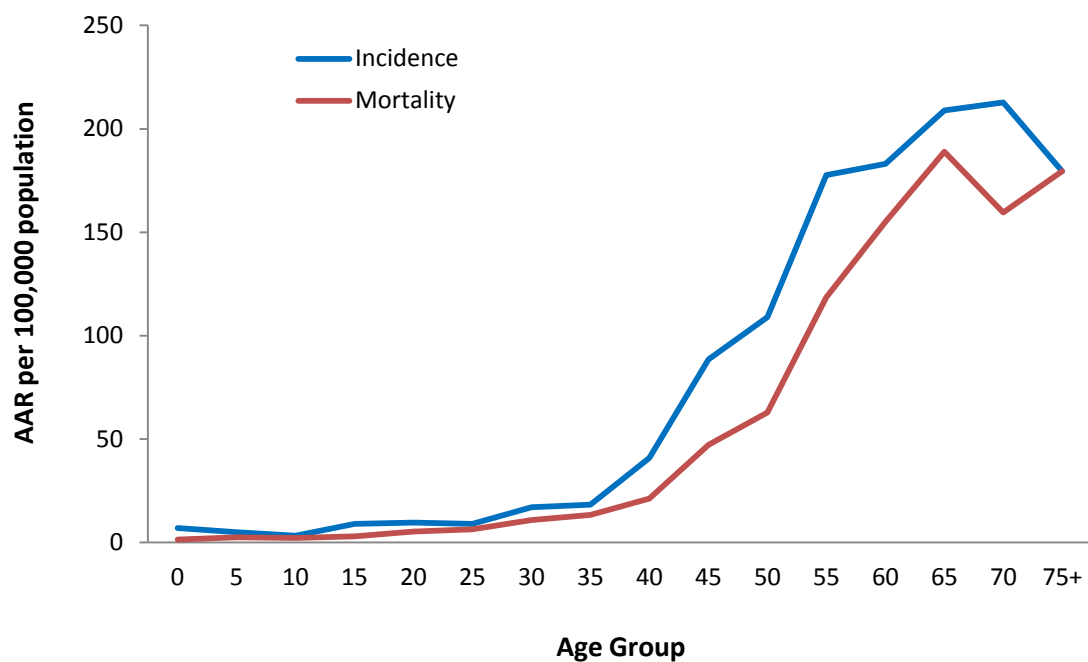
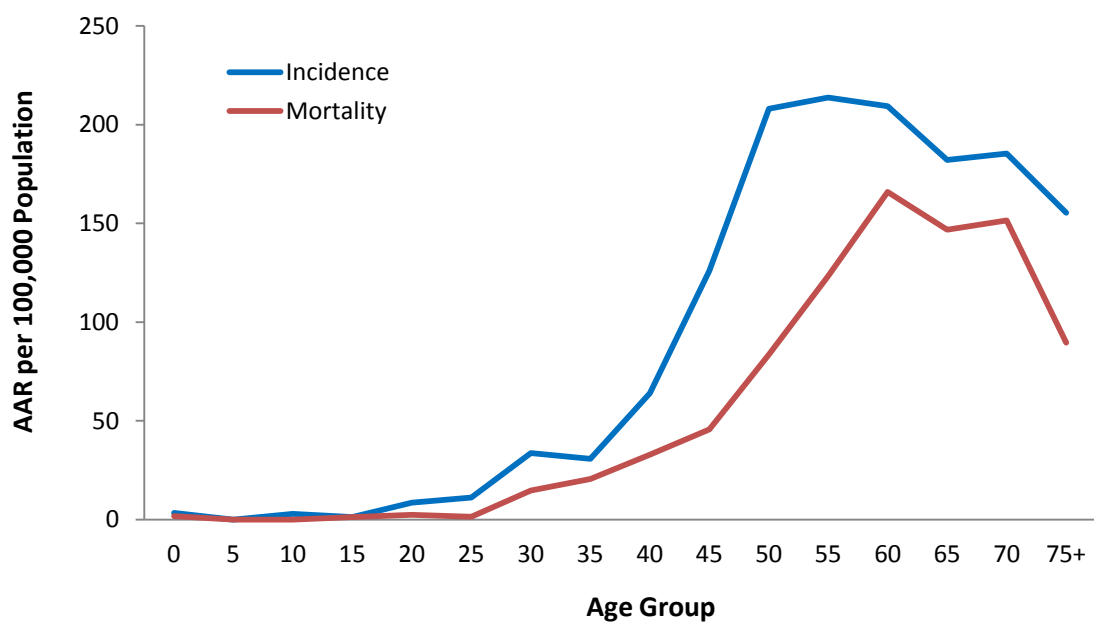


Figure 29: Age Specific Incidence and Mortality Rate – Female All sites



Other and Unspecified Sites

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

In males, out of 413 cases, 50 cases are of Other and Unspecified sites. The predominant cases are C80 – Primary Unknown (9.4%), followed by C79- Secondary Malignant Neoplasm of Other and Unspecified Sites (0.2%), and Other Sites (2.2%). In females, out of 466 cases, 27 cases are of Other and Unspecified Sites. The predominant cases are C80 – Primary Unknown (5.8%), followed by C79 – Secondary Malignant Neoplasm of Other and Unspecified Sites (0.2%), and Other Sites (2.4% cases). The details are presented in Table 11.

The higher percentage of Primary Site Unknown cases are clearly related to the quality of diagnostic information as well as the poor documentation of the medical records. In the year 2013-2014, the Sangrur district did not have a comprehensive cancer diagnostic and treatment facility. Most patients go to an urban centre when the disease has reached an advanced stage. We have gone through medical records and discharge reports available with the patients, and most of the time it was mentioned as a lymph node, lung metastatic, liver metastatic, and or bone metastatic. After the disease has reached to the metastatic stage, most of the cases prefer to take alternative medicine i.e. local desi treatment. To know the primary site, the diagnostic work includes extensive histopathology and modern imaging technology, which include a huge cost burden on the patient. The higher percentage of Primary Site Unknown reflects the lack of health infrastructure for cancer care available in the region.

The Primary Site Unknown is an indicator of the health infrastructure and the type of cases that will be found more in rural India, where there are limited diagnostic and treatment facilities. **This is the second year of the cancer registry and we expect that due to improvements in the diagnostic and treatment facility in the coming year, the percentage of the Primary Site Unknown will decrease and we will get the proper primary site which is presently missing.**

Table 11: Other and Unspecified Cases By Sex

ICD	Male		Female	
	Number	%	Number	%
C76	5	1.2	6	1.3
C77	5	1.2	5	1.1
C78	0	1.9	0	0.0
C79	1	0.2	1	0.2
C80	39	9.4	27	5.8
Total	50/413	12.1/100	39/466	8.4/100

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

	Male	Female
Number of cases	50	39
% to total cases	12.1	8.4
Crude incidence rate per 100,000	5.5	4.8
Age adjusted incidence rate per 100,000	5.8	4.9
Truncated rate per 100,000	10.4	9.6

Figure 30: Age Specific Incidence Rate of Other and Unspecified

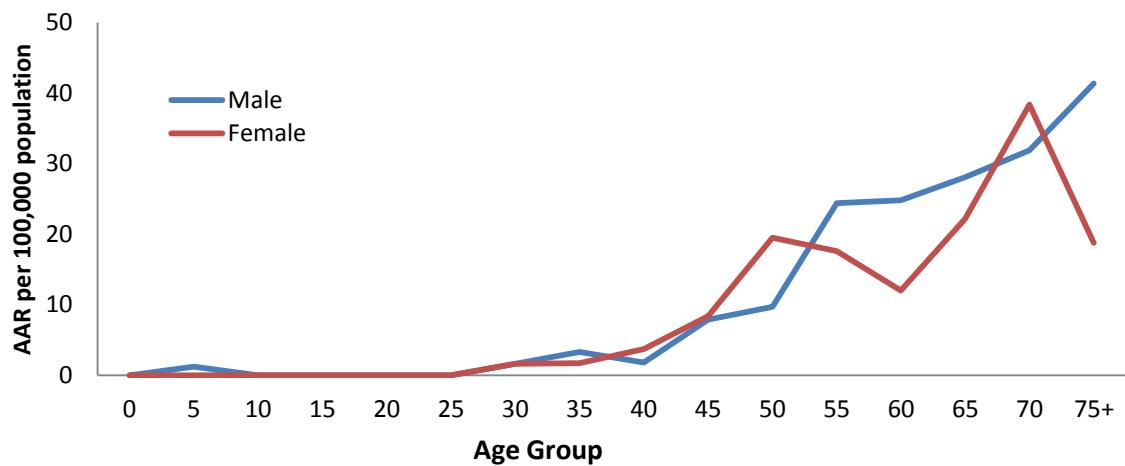
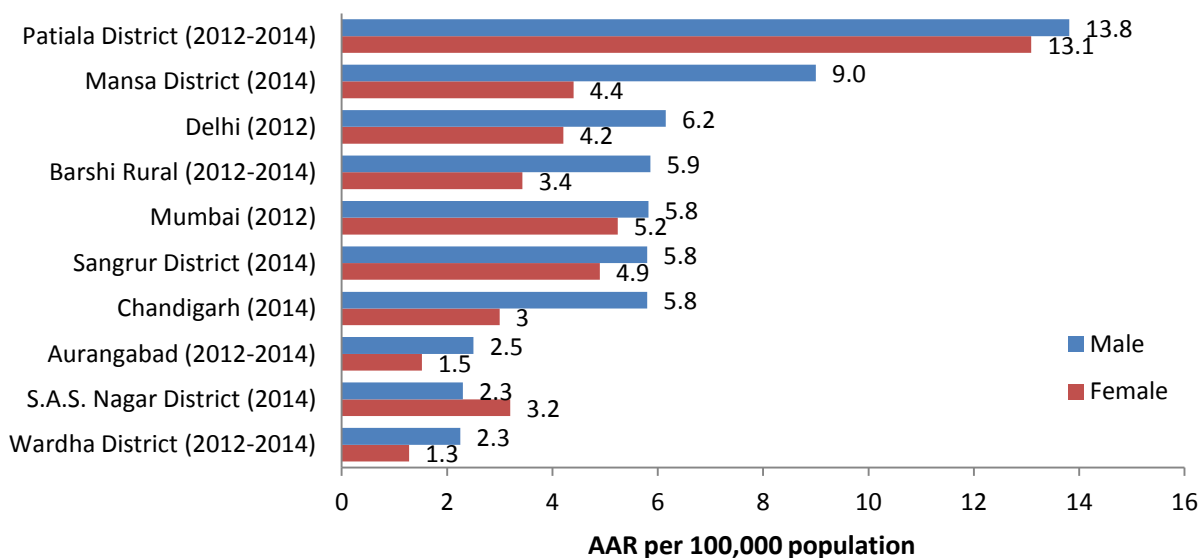


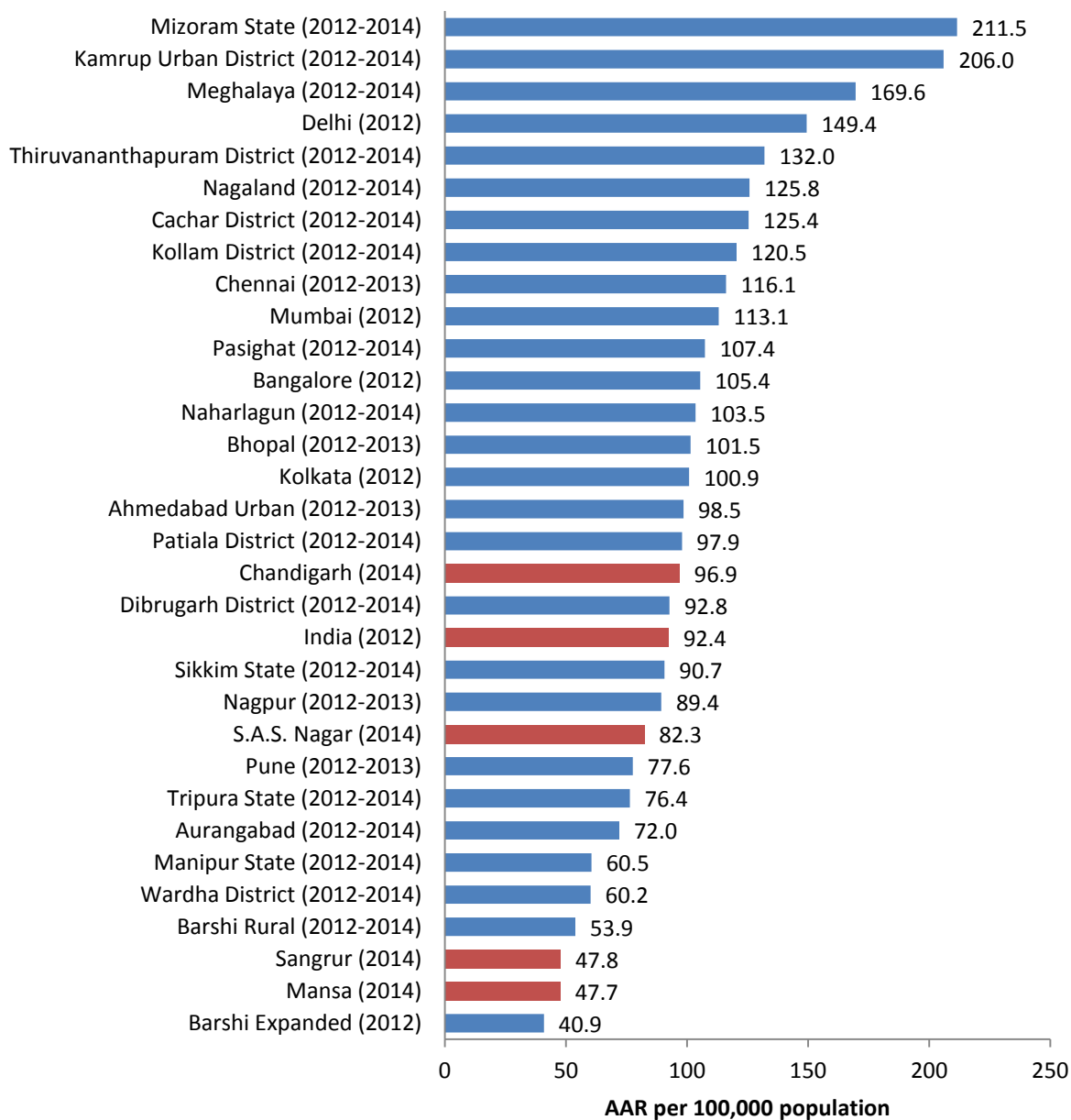
Figure 31: Comparison of Other and Unspecified Site Incidence Rate With Other Indian Registries



11. Comparison of Cancer incidence Rate with other Indian Registries

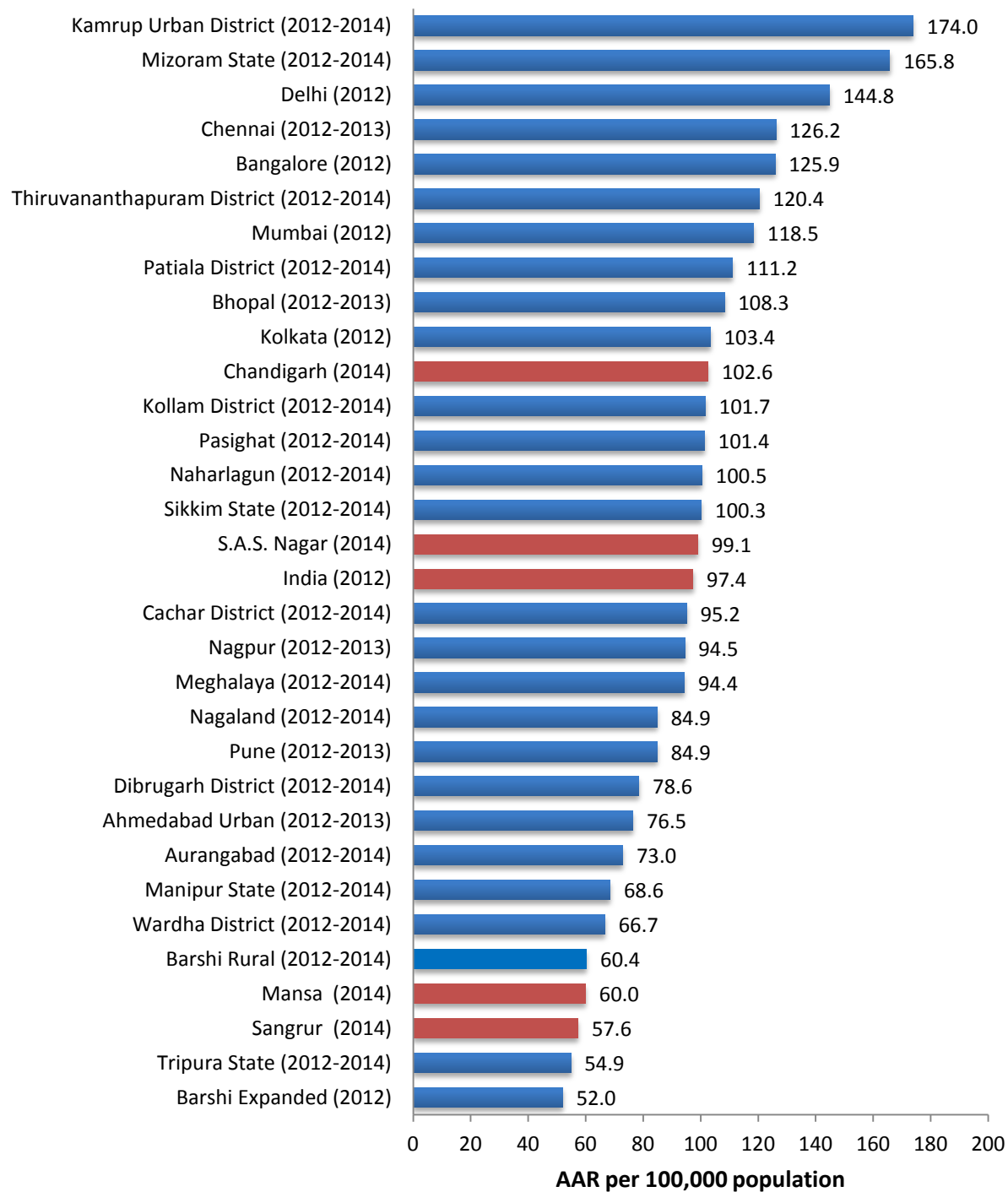
Age adjusted incidence rate for all cancer sites for both sexes for the year 2014 was compared with other Indian PBCRs in Figures 32 and 33. The cancer incidence rate of Sangrur district is lower than urban areas and it is comparable with other rural cancer registries in the country.

Figure 32: Age Adjusted Incidence Rate of All Cancer Sites in Males



Reference : 4,5,8,9 and 10.

Figure 33: Age Specific Incidence Rate of All Cancer Sites in Females



Reference : 4,5,8,9 and 10.

12. 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 as well as pediatric cancer cases. In females, we did not register a single case in the age group 5 to 9. The registry needs more interactions with the Pediatric Department of the medical colleges in Faridkot, Patiala, Chandigarh, and Ludhiana.**

Under registration or under 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 92.7 per 100,000 and age adjusted rate as 47.8 per 100,000. Most of the cases are registered in the age group 35 to 69, and there is a declining trend in the age specific incidence rate in 65+ age group. In females, the truncated rate is 131.8 per 100,000 and the age adjusted rate is 57.6 per 100,000. Most of the cancer cases are registered in the age group 35-64 and there is a declining trend in the age specific incidence rate after the 65 to 74 age group.

Due to continuous interactions in the village, 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 community leaders.

13. Hurdles in establishing the Rural Cancer Registry

The cancer registry should be located in an 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 had appointed new staff and trained them. The selected staff members were provided training at TMC, PGI, Barshi and Mumbai PBCR.

In the initial period, two major cancer centres refused to provide their data. We were more dependent on the village visits. After continuous meetings with the authorities, one centre permitted us to collect data. Still, one cancer centre refused to give data.

A few hospitals demand at every visit, a fresh letter of request for the permission to collect the data. We arranged a fresh letter for every visit to those hospitals. We have spent a lot of time meeting hospital authorities.

A few hospitals only provided the cancer patient list with minimum information and they didn't allow us to go through their medical records. A few patients' relatives refused to provide information due to social issues.

There is limited infrastructure in the civil hospital. The registry staff has to depend on 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.

However, due to continued interactions with the community and consistent efforts and the joint collaboration of TMC, PGIMER and Government of Punjab, we were able to get information on the cancer cases.

14. Description of Statistical Terms Used

Incidence: Cancer incidence denotes new cancer cases diagnosed in a defined population in a specified time period. For this report, all cancer cases diagnosed from January 1, 2014 to December 31, 2014 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, 2014 and December 31, 2014 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.

$$CR = \frac{\text{Number of new cancer cases observed in the period 2014} * 100000}{\text{Estimated population of the same year}}$$

This rate is also called crude rate because it relates to each population as a whole and is influenced by the age structure of each population.

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/time 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.

15. Standard Registry Tables

Table 12: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2014 – 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	1	-	3	3	3	4	3	4	1	1	23	5.6
C03-06	Mouth	-	-	-	-	-	1	-	-	3	4	3	3	6	1	2	-	23	5.6
C07-C08	Salivary glands	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	0.5
C09	Tonsil	-	-	-	-	-	-	-	-	2	3	-	1	-	-	-	1	7	1.7
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	4	1.0
C11	Nasopharynx	-	-	-	1	-	-	-	1	1	1	1	-	-	-	-	-	5	1.2
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	1	1	-	-	3	-	1	7	1.7
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	1	5	8	4	5	7	2	6	40	9.7
C16	Stomach	-	-	-	-	-	-	-	-	-	2	-	-	2	-	2	-	6	1.5
C17	Small Intestine	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	3	0.7
C18	Colon	-	-	-	-	-	-	-	1	-	4	-	3	2	-	-	-	10	2.4
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	6	1.5
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	1	-	1	2	1	-	5	1.2
C22	Liver	-	-	-	-	-	-	-	-	-	3	4	4	4	2	2	1	20	4.8
C23-C24	Gall Bladder	-	-	-	-	1	-	-	-	1	-	3	1	1	3	3	-	13	3.1
C25	Pancreas	-	-	-	-	-	-	1	-	-	1	1	-	2	2	1	-	8	1.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	-	1	-	5	4	2	2	-	1	15	3.6
C33-C34	Lung	-	-	-	-	-	-	-	-	-	-	3	2	3	5	-	2	15	3.6
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.2
C40-C41	Bone	-	-	-	2	-	1	1	1	-	-	-	1	-	-	-	-	6	1.5
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.5
C44	Other Skin	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	3	0.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	1	-	-	-	2	1	-	-	-	2	6	1.5
C50	Breast	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C60	Penis	-	-	-	-	-	-	-	-	-	1	-	1	2	1	-	-	5	1.2
C61	Prostate	-	-	-	-	-	-	-	-	-	-	1	1	1	4	5	9	21	5.1
C62	Testis	-	-	-	-	1	1	1	-	2	-	-	-	1	-	-	-	6	1.5
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	1	5	1.2
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	1	-	-	-	-	2	-	1	2	1	3	-	10	2.4
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	-	-	-	2	3	1	2	5	4	-	1	-	18	4.4
C73	Thyroid	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	0.5
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	0.5
C81	Hodgkins Disease	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	4	1.0
C82-C85,C96	NHL	-	-	2	2	-	-	-	1	2	2	-	1	2	3	2	2	19	4.6
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	1	-	1	2	-	-	4	1.0
C91	Lymphoid Leukemia	2	1	-	1	1	1	1	1	-	-	1	-	-	-	2	-	11	2.7
C92-C94	Myeloid Leukemia	-	-	-	-	3	1	-	-	1	2	-	2	-	-	-	-	9	2.2
C95	Leukemia Unspecified	2	2	1	1	-	1	3	-	-	1	-	-	-	1	1	1	14	3.4
Other & Unspecified*		-	1	-	-	-	-	1	2	1	4	4	7	8	7	6	9	50	12.1
	Total	5	4	3	9	9	7	11	11	23	45	45	51	59	52	40	39	413	100

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

Table 13: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2014 – 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	1	2	-	1	7	1.5
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	2	1	1	-	1	-	5	1.1
C07-C08	Salivary gland	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.2
C09	Tonsil	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	3	0.6
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	1	2	2	1	-	4	8	5	5	7	6	5	46	9.9
C16	Stomach	-	-	-	-	-	-	-	1	-	-	1	1	-	1	1	2	7	1.5
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-	1	-	1	2	-	-	1	5	1.1
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	2	0.4
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	3	0.6
C22	Liver	-	-	-	-	-	-	-	-	-	2	2	2	3	1	-	-	10	2.1
C23-C24	Gall Bladder	-	-	-	-	-	-	1	-	2	-	2	2	9	3	1	2	22	4.7
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	0.4
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	1	4	0.9
C33-C34	Lung	-	-	-	-	-	-	-	-	-	2	-	-	-	3	-	1	6	1.3
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	3	0.6
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	2	0.4
C50	Breast	-	-	-	-	-	2	7	8	12	14	23	16	14	6	2	7	111	23.8
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	4	0.9
C53	Cervix Uteri	-	-	-	-	-	-	-	2	10	15	12	7	12	3	5	3	69	14.8
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	1	-	2	1	3	1	1	9	1.9
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C56	Ovary etc.	-	-	1	1	-	-	2	-	2	4	8	7	-	1	-	1	27	5.8
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	2	5	1.1
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.2
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	1	2	1	-	1	3	2	1	4	1	2	-	18	3.9
C73	Thyroid	-	-	-	-	-	1	2	1	-	2	-	-	-	1	-	1	8	1.7
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	NHL	-	-	-	-	-	-	1	-	-	1	4	-	1	-	-	1	8	1.7
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.4
C91	Lymphoid Leukemia	1	-	-	-	2	-	1	-	1	2	-	-	-	-	-	-	7	1.5
C92-C94	Myeloid Leukemia	1	-	-	-	2	1	-	2	4	2	-	-	2	2	-	-	16	3.4
C95	Leukemia Unspecified	-	-	-	-	1	-	-	-	1	-	-	2	1	-	1	1	7	1.5
Other & Unspecified*		-	-	-	-	-	-	1	1	2	4	7	5	4	5	6	4	39	8.4
	Total	2	-	2	1	7	8	21	18	35	61	76	60	70	41	29	35	466	100

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

Table 14: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 Population: 2014 – 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	1.6	-	5.3	5.9	7.3	13.9	9.3	16.1	5.3	4.6	2.5	2.7	6.3
C03-06	-	-	-	-	-	1.3	-	-	5.3	7.9	7.3	10.5	18.6	4.0	10.6	-	2.5	2.8	7.5
C07-C08	-	-	-	-	-	1.3	-	-	-	-	-	-	3.1	-	-	-	0.2	0.2	0.4
C09	-	-	-	-	-	-	-	-	3.6	5.9	-	3.5	-	-	-	4.6	0.8	0.8	2.3
C10	-	-	-	-	-	-	-	-	-	3.9	--	-	6.2	-	-	-	0.4	0.5	1.6
C11	-	-	-	1.0	-	-	-	1.7	1.8	2.0	2.4	-	-	-	-	-	0.5	0.5	1.4
C12-C13	-	-	-	-	-	-	-	-	1.8	2.0	2.4	-	-	12.1	-	4.6	0.8	0.8	1.1
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	1.6	1.7	1.8	9.8	19.4	13.9	15.5	28.1	10.6	27.6	4.4	4.6	9.5
C16	-	-	-	-	-	-	-	-	-	3.9	-	-	6.2	-	10.6	-	0.7	0.7	1.6
C17	-	-	-	-	-	-	-	-	-	2.0	2.4	-	-	-	-	4.6	0.3	0.3	0.8
C18	-	-	-	-	-	-	-	1.7	-	7.9	-	10.5	6.2	-	-	-	1.1	1.2	4.0
C19-C20	-	-	-	-	-	-	-	-	-	-	-	3.5	3.1	8.0	5.3	4.6	0.7	0.7	0.8
C21	-	-	-	-	-	-	-	-	-	-	2.4	-	3.1	8.0	5.3	-	0.5	0.6	0.8
C22	-	-	-	-	-	-	-	-	-	5.9	9.7	13.9	12.4	8.0	10.6	4.6	2.2	2.4	6.1
C23-C24	-	-	-	-	1.1	-	-	-	1.8	-	7.3	3.5	3.1	12.1	16.0	-	1.4	1.5	2.4
C25	-	-	-	-	-	-	1.6	-	-	2.0	2.4	-	6.2	8.0	5.3	-	0.9	0.9	1.6
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	0.1	0.1	0.4
C32	-	-	-	-	-	-	-	-	1.8	-	12.1	13.9	6.2	8.0	-	4.6	1.6	1.9	4.9
C33-C34	-	-	-	-	-	-	-	-	-	-	7.3	7.0	9.3	20.1	-	9.2	1.6	1.8	3.3
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	0.1	0.1	-
C40-C41	-	-	-	2.0	-	1.3	1.6	1.7	-	-	-	3.5	-	-	-	-	0.7	0.6	0.8
C43	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	5.3	-	0.2	0.2	0.4
C44	-	-	-	-	-	-	-	-	-	2.0	-	3.5	-	-	5.3	-	0.3	0.4	0.8
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	1.6	-	-	-	4.8	3.5	-	-	-	9.2	0.7	0.7	1.2
C50	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.3
C60	-	-	-	-	-	-	-	-	-	2.0	-	3.5	6.2	4.0	-	-	0.5	0.6	1.6
C61	-	-	-	-	-	-	-	-	-	-	2.4	3.5	3.1	16.1	26.6	41.4	2.3	2.2	1.2
C62	-	-	-	-	1.1	1.3	1.6	-	3.6	-	-	-	3.1	-	-	-	0.7	0.6	1.1
C63	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	0.1	0.1	0.4
C64	-	-	-	-	-	-	-	-	-	-	-	10.5	-	-	5.3	4.6	0.5	0.6	1.3
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	1.1	-	-	-	-	3.9	-	3.5	6.2	4.0	16.0	-	1.1	1.1	2.0
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	-	3.3	5.3	2.0	4.8	17.4	12.4	-	5.3	-	2.0	2.2	6.7
C73	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	5.3	-	0.2	0.2	0.3
C74	1.4	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-	0.2	0.3	0.4
C81	-	-	-	2.0	2.1	-	-	-	-	0.0	-	-	-	-	-	-	0.4	0.4	0.0
C82-C85,C96	-	-	2.2	2.0	0.0	-	-	1.7	3.6	3.9	-	3.5	6.2	12.1	10.6	9.2	2.1	2.1	3.0
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	0.4	0.5	0.8
C91	2.8	1.2	-	1.0	1.1	1.3	1.6	1.7	-	-	2.4	-	-	-	10.6	-	1.2	1.3	0.7
C92-C94	-	-	-	-	3.2	1.3	-	-	1.8	3.9	-	7.0	-	-	-	-	1.0	1.0	2.0
C95	2.8	2.5	1.1	1.0	-	1.3	4.7	-	-	2.0	-	-	-	4.0	5.3	4.6	1.5	1.6	0.4
O & U*	-	1.2	-	-	-	-	1.6	3.3	1.8	7.9	9.7	24.4	24.8	28.1	31.9	41.4	5.5	5.8	10.4
Total	7.0	5.0	3.3	9.0	9.6	9.0	17.1	18.3	40.9	88.6	108.9	177.7	183.0	208.9	212.7	179.5	45.2	47.8	92.7

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

**Table 15: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR)
Incidence Rate per 100,000 Population: 2014 – 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	-	-	-	-	-	-	-	1.7	-	2.1	-	3.5	3.0	8.9	-	4.7	0.9	0.8	1.6
C03-C06	-	-	-	-	-	-	-	-	-	-	5.6	3.5	3.0	-	6.4	-	0.6	0.7	1.7
C07-C08	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C09	-	-	-	-	-	-	-	1.7	-	-	2.8	3.5	-	-	-	-	0.4	0.4	1.2
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	1.2	2.8	3.3	1.7	-	8.4	22.3	17.6	14.9	31.1	38.4	23.6	5.7	5.7	9.7
C16	-	-	-	-	-	-	-	1.7	-	-	2.8	3.5	-	4.4	6.4	9.4	0.9	0.8	1.2
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	2.1	-	3.5	6.0	-	-	4.7	0.6	0.6	1.6
C19-C20	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	6.4	-	0.2	0.3	0.4
C21	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	6.4	-	0.4	0.4	0.8
C22	-	-	-	-	-	-	-	-	-	4.2	5.6	7.0	9.0	4.4	-	-	1.2	1.3	3.8
C23-C24	-	-	-	-	-	-	1.6	-	3.7	-	5.6	7.0	26.9	13.3	6.4	9.4	2.7	2.7	6.0
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	4.7	0.2	0.2	-
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	0.1	0.1	-
C32	-	-	-	-	-	-	-	-	-	2.1	-	7.0	-	-	-	4.7	0.5	0.5	1.3
C33-C34	-	-	-	-	-	-	-	-	-	4.2	-	-	-	13.3	-	4.7	0.7	0.7	0.8
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	1.4	-	-	-	-	-	-	-	2.8	-	-	-	6.4	-	0.4	0.4	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	3.5	3.0	-	-	-	0.2	0.3	0.8
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	1.0	-	-	-	-	1.0	-	-	-	-	0.2	0.2	0.5
C50	-	-	-	-	-	2.8	11.4	13.7	21.9	29.4	64.0	56.2	41.8	26.6	12.8	33.0	13.7	13.6	35.6
C51	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	0.1	0.1	0.4
C52	-	-	-	-	-	-	-	-	-	-	-	7.0	6.0	-	-	-	0.5	0.5	1.7
C53	-	-	-	-	-	-	-	3.4	18.3	31.5	33.4	24.6	35.9	13.3	32.0	14.1	8.5	8.6	23.5
C54	-	-	-	-	-	-	-	-	-	2.1	-	7.0	3.0	13.3	6.4	4.7	1.1	1.1	1.7
C55	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	0.1	0.1	0.4
C56	-	-	1.4	1.3	-	-	3.3	-	3.7	8.4	22.3	24.6	-	4.4	0.0	4.7	3.3	3.5	9.1
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	2.1	5.6	-	-	-	-	0.6	0.6	1.3
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	1.2	2.8	1.6	-	1.8	6.3	5.6	3.5	12.0	4.4	12.8	-	2.2	2.2	4.5
C73	-	-	-	-	-	1.4	3.3	1.7	-	4.2	-	-	-	4.4	-	4.7	1.0	0.9	1.1
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	-	-	-	-	-	-	1.6	-	-	2.1	11.1	-	3.0	-	-	4.7	1.0	1.0	2.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	-	0.2	0.2	0.8
C91	1.7	-	-	-	2.4	-	1.6	-	1.8	4.2	-	-	-	-	-	-	0.9	0.9	1.2
C92-C94	1.7	-	-	-	2.4	1.4	-	3.4	7.3	4.2	-	-	6.0	8.9	-	-	2.0	1.9	3.7
C95	-	-	-	-	1.2	-	-	-	1.8	-	-	7.0	3.0	-	6.4	4.7	0.9	0.8	1.6
O & U*	-	-	-	-	-	-	1.6	1.7	3.7	8.4	19.5	17.6	12.0	22.2	38.4	18.8	4.8	4.9	9.6
Total	3.3	-	2.8	1.3	8.5	11.1	33.6	30.8	64.0	126.0	208.0	213.7	209.3	182.1	185.4	155.4	57.7	57.6	131.8

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

Table 16: 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) 2014: Males

ICD 10	Sites	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk %	Cu. Rate %	Cu. Risk %
C00	Lip	-	-	-	-
C01-02	Tongue	0.002	0.002	0.003	0.003
C03-06	Mouth	0.003	0.003	0.003	0.003
C07-C08	Salivary glands	-	-	-	-
C09	Tonsil	0.001	0.001	0.001	0.001
C10	Other Oropharynx	0.001	0.001	0.001	0.001
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	-	-	0.001	0.001
C14	Pharynx Unspecified	-	-	-	-
C15	Oesophagus	0.003	0.003	0.005	0.005
C16	Stomach	0.001	0.001	0.001	0.001
C17	Small Intestine	-	-	-	-
C18	Colon	0.001	0.001	0.001	0.001
C19-C20	Rectum	-	-	0.001	0.001
C21	Anus & Anal Canal	-	-	0.001	0.001
C22	Liver	0.002	0.002	0.003	0.003
C23-C24	Gall Bladder	0.001	0.001	0.002	0.002
C25	Pancreas	0.001	0.001	0.001	0.001
C30-C31	Nose, sinuses etc.	-	-	-	-
C32	Larynx	0.002	0.002	0.002	0.002
C33-C34	Lung	0.001	0.001	0.002	0.002
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	-	-	-	-
C43	Melanoma of skin	-	-	-	-
C44	Other Skin	-	-	0.001	0.001
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-
C50	Breast	-	-	-	-
C60	Penis	0.001	0.001	0.001	0.001
C61	Prostate	0.000	0.000	0.003	0.003
C62	Testis	0.001	0.001	0.001	0.001
C63	Other male genital	-	-	-	-
C64	Kidney etc.	0.001	0.001	0.001	0.001
C65	Renal pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.001	0.001	0.002	0.002
C68	Uns. Urinary Organs	-	-	-	-
C69	Eye	-	-	-	-
C70-C72	Brain, NS	0.002	0.002	0.003	0.003
C73	Thyroid	-	-	-	-
C74	Adrenal gland	-	-	-	-
C81	Hodgkins Disease	-	-	-	-
C82-C85,C96	NHL	0.001	0.001	0.002	0.002
C88	Imm. disease	-	-	-	-
C90	Multiple myeloma	-	-	0.001	0.001
C91	Lymphoid Leukemia	0.001	0.001	0.001	0.001
C92-C94	Myeloid Leukemia	0.001	0.001	0.001	0.001
C95	Leukemia Unspecified	0.001	0.001	0.001	0.001
Other & Unspecified*		0.007	0.007	0.004	0.004
Total		0.04	0.04	0.05	0.05

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

Table 17: 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) 2014: Female

ICD 10	Sites	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk %	Cu. Rate %	Cu. Risk %
C00	Lip	-	-	-	-
C01-C02	Tongue	0.001	0.001	0.001	0.001
C03-C06	Mouth	0.001	0.001	0.001	0.001
C07-C08	Salivary gland	-	-	-	-
C09	Tonsil	-	-	-	-
C10	Other oropharynx	-	-	-	-
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-
C15	Oesophagus	0.004	0.004	0.007	0.007
C16	Stomach	-	-	0.001	0.001
C17	Small intestine	-	-	0.000	0.000
C18	Colon	0.001	0.001	0.001	0.001
C19-C20	Rectum	-	-	-	-
C21	Anus	-	-	0.001	0.001
C22	Liver	0.001	0.001	0.002	0.002
C23-C24	Gall Bladder	0.002	0.002	0.003	0.003
C25	Pancreas	-	-	-	-
C30-C31	Nose, Sinuses etc	-	-	-	-
C32	Larynx	-	-	-	-
C33-C34	Lung	-	-	0.001	0.001
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	-	-	0.001	0.001
C43	Melanoma of skin	-	-	-	-
C44	Other skin	-	-	-	-
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-
C50	Breast	0.012	0.012	0.014	0.014
C51	Vulva	-	-	-	-
C52	Vagina	0.001	0.001	0.001	0.001
C53	Cervix Uteri	0.007	0.007	0.010	0.010
C54	Corpus Uteri	0.001	0.001	0.002	0.002
C55	Uterus unspecified	-	-	-	-
C56	Ovary etc.	0.003	0.003	0.003	0.003
C57	Other female genital	-	-	-	-
C58	Placenta	-	-	-	-
C64	Kidney	-	-	-	-
C65	Renal Pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	-	-	-	-
C68	Other urinary organs	-	-	-	-
C69	Eye	-	-	-	-
C70-C72	Brain, NS	0.002	0.002	0.003	0.003
C73	Thyroid	0.001	0.001	0.001	0.001
C74	Adrenal gland	-	-	-	-
C81	Hodgkins Disease	-	-	-	-
C82-C85,C96	NHL	0.001	0.001	0.001	0.001
C88	Imm. disease	-	-	-	-
C90	Multiple Myeloma	-	-	-	-
C91	Lymphoid Leukemia	0.001	0.001	0.001	0.001
C92-C94	Myeloid Leukemia	0.001	0.001	0.002	0.002
C95	Leukemia Unspecified	0.001	0.001	0.001	0.001
Other & Unspecified		0.003	0.003	0.006	0.006
Total		0.05	0.05	0.06	0.06

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

**Table 18: Number (#) and Proportion (%) of Cancers by Site (ICD -10) and Method of Diagnosis:
2014– Males Sangrur District**

ICD 10	Site	Clinical		Radiology		Endoscopy		Microscopic		Death Certificate / Other**		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	100
C01-02	Tongue	-	-	-	-	-	-	23	100	-	-	23	100
C03-06	Mouth	-	-	-	-	-	-	23	100	-	-	23	100
C07-C08	Salivary glands	-	-	-	-	-	-	2	100	-	-	2	100
C09	Tonsil	-	-	-	-	-	-	7	100	-	-	7	100
C10	Other Oropharynx	-	-	-	-	-	-	4	100	-	-	4	100
C11	Nasopharynx	-	-	-	-	-	-	5	100	-	-	5	-
C12-C13	Hypopharynx	-	-	-	-	-	-	7	100	-	-	7	100
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	100
C15	Oesophagus	-	-	4	10	4	10	27	67.5	5	12.5	40	100
C16	Stomach	-	-	-	-	-	-	5	83.3	1	16.7	6	100
C17	Small Intestine	-	-	-	-	-	-	3	100	-	-	3	100
C18	Colon	-	-	-	-	-	-	10	100	-	-	10	100
C19-C20	Rectum	-	-	-	-	-	-	6	100	-	-	6	100
C21	Anus & Anal Canal	-	-	-	-	-	-	5	100	-	-	5	100
C22	Liver	-	-	5	25.0	-	-	13	65.0	2	10	20	100
C23-C24	Gall Bladder	-	-	1	7.7	-	-	12	92.3	-	-	13	100
C25	Pancreas	-	-	1	12.5	-	-	7	87.5	-	-	8	100
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	1	100	-	-	1	-
C32	Larynx	-	-	-	-	-	-	15	100	-	-	15	100
C33-C34	Lung	-	-	2	13.3	-	-	12	80.0	1	6.7	15	100
C37-C38	Other Thoracic organ	-	-	1	100	-	-	-	-	-	-	1	-
C40-C41	Bone	-	-	-	-	-	-	6	100	-	-	6	100
C43	Melanoma of skin	-	-	-	-	-	-	2	100	-	-	2	-
C44	Other Skin	-	-	-	-	-	-	3	100	-	-	3	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	6	100	-	-	6	100
C50	Breast	-	-	-	-	-	-	1	100	-	-	1	100
C60	Penis	-	-	-	-	-	-	5	100	-	-	5	100
C61	Prostate	-	-	1	4.8	-	-	19	90.4	1	4.8	21	100
C62	Testis	-	-	-	-	-	-	6	100	-	-	6	100
C63	Other male genital	-	-	-	-	-	-	1	100	-	-	1	-
C64	Kidney etc.	-	-	1	20	-	-	2	40	2	40	5	100
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	1	10	-	-	-	-	9	90.0	-	-	10	100
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	100
C70-C72	Brain, NS	-	-	6	33.3	-	-	9	50.0	3	16.7	18	100
C73	Thyroid	-	-	1	50	-	-	1	50	-	-	2	100
C74	Adrenal gland	-	-	-	-	-	-	2	100	-	-	2	-
C81	Hodgkins Disease	-	-	-	-	-	-	4	100	-	-	4	100
C82-C85,C96	NHL	-	-	-	-	-	-	18	94.7	1	5.3	19	100
C88	Imm. disease	-	-	-	-	-	-	-	0	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	4	100	-	-	4	100
C91	Lymphoid Leukemia	-	-	-	-	-	-	11	100	-	-	11	100
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	9	100	-	-	9	100
C95	Leukemia Unspecified	-	-	1	7.1	-	-	11	78.6	2	14.3	14	100
Other & Unspecified*		1	2.0	9	18.0	1	2.0	29	58.0	10	20.0	50	100
Total		2	0.5	33	8.0	5	1.2	345	83.5	28	6.8	413	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

**Table 19: Number (#) and Proportion (%) of Cancers by Site (ICD -10) and Method of Diagnosis:
2014– Females Sangrur District**

ICD 10	Site	Clinical		Radiology		Endoscopy		Microscopic		Death Certificate / Other**		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	100
C01-C02	Tongue	-	-	-	-	-	-	7	100	-	-	7	100
C03-C06	Mouth	-	-	-	-	-	-	4	80	1	20	5	100
C07-C08	Salivary gland	-	-	-	-	-	-	1	100	-	-	1	-
C09	Tonsil	-	-	-	-	-	-	3	100	-	-	3	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	1	100	-	-	-	-	-	-	1	100
C12-C13	Hypopharynx	-	-	-	-	-	-	1	100	-	-	1	100
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	100
C15	Oesophagus	-	-	1	2.2	10	21.7	34	73.9	1	2.2	46	100
C16	Stomach	-	-	-	-	-	-	7	100	-	-	7	100
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	5	100	-	-	5	100
C19-C20	Rectum	-	-	-	-	-	-	2	100	-	-	2	100
C21	Anus	-	-	-	-	-	-	2	66.7	1	33.3	3	100
C22	Liver	-	-	4	40	-	-	5	50	1	10	10	100
C23-C24	Gall Bladder	-	-	4	18.2	-	-	18	81.8	-	-	22	100
C25	Pancreas	-	-	1	50	-	-	1	50	-	-	2	100
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	1	100	-	-	1	100
C32	Larynx	-	-	-	-	-	-	4	100	-	-	4	100
C33-C34	Lung	-	-	1	16.6	-	-	5	83.3	-	-	6	100
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	33.3	-	-	2	66.7	-	-	3	100
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	2	100	-	-	2	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	-	-	2	100	-	-	2	100
C50	Breast	1	0.9	1	0.9	-	-	109	98.2	-	-	111	100
C51	Vulva	-	-	-	-	-	-	1	100	-	-	1	100
C52	Vagina	-	-	-	-	-	-	4	100	-	-	4	100
C53	Cervix Uteri	-	-	5	7.2	-	-	63	91.3	1	1.4	69	100
C54	Corpus Uteri	-	-	1	11.1	-	-	8	88.9	-	-	9	100
C55	Uterus unspecified	-	-	-	-	-	-	1	100	-	-	1	100
C56	Ovary etc.	-	-	-	-	-	-	27	100	-	-	27	100
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	0	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	0	-
C64	Kidney	-	-	1	20	-	-	4	80	-	-	5	100
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	1	100	-	-	1	100
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	100
C70-C72	Brain, NS	-	-	7	38.9	-	-	10	55.6	1	5.6	18	100
C73	Thyroid	-	-	-	-	-	-	8	100	-	-	8	100
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	100
C82-C85,C96	NHL	-	-	-	-	-	-	8	100	-	-	8	100
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	2	100	-	-	2	100
C91	Lymphoid Leukemia	-	-	-	-	-	-	7	100	-	-	7	100
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	16	100	-	-	16	100
C95	Leukemia Unspecified	-	-	-	-	-	-	5	71.4	2	28.6	7	100
Other & Unspecified*		-	-	-	30.8	-	-	-	51.3	7	17.9	39	100
Total		1	0.2	40	8.6	10	2.1	400	85.8	15	3.2	466	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

Table 20: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2014 –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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	1	1	-	1	3	1	1	1	9	3.1
C03-06	Mouth	-	-	-	-	-	1	1	-	-	1	-	3	4	1	1	1	13	4.4
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	3	1.0
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	0.7
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	1	2	-	-	-	1	1	1	-	6	2.0
C14	Pharynx Unspecified	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.3
C15	Oesophagus	-	-	-	-	-	-	1	-	3	3	5	4	7	8	5	6	42	14.3
C16	Stomach	-	-	-	-	-	1	-	-	-	1	1	-	2	1	2	-	8	2.7
C17	Small Intestine	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	3	1.0
C18	Colon	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.3
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	3	1.0
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C22	Liver	-	-	-	-	-	-	-	-	-	2	1	4	4	2	-	1	14	4.8
C23-C24	Gall Bladder	-	-	-	-	1	-	-	-	2	-	1	1	-	3	1	1	10	3.4
C25	Pancreas	-	-	-	-	-	-	1	-	-	-	1	-	1	2	1	-	6	2.0
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	1	5	1.7
C33-C34	Lung	-	-	-	-	-	-	-	-	-	-	3	2	2	2	1	2	12	4.1
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	2	0.7
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	0.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	3	1.0
C50	Breast	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	4	1.4
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	4	1.4
C61	Prostate	-	-	-	-	-	-	-	-	-	1	-	1	3	4	2	6	17	5.8
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	3	1.0
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	5	1.7
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	1	-	-	-	3	2	1	7	2.4
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	1	-	-	4	1	1	2	2	3	-	1	-	15	5.1
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	3	1.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	NHL	-	-	1	-	-	-	-	-	-	1	-	1	2	2	1	-	8	2.7
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	1.0
C91	Lymphoid Leukemia	1	-	-	1	-	1	-	-	-	-	-	-	-	-	1	-	4	1.4
C92-C94	Myeloid Leukemia	-	-	-	-	1	1	2	-	-	-	-	-	-	-	1	-	5	1.7
C95	Leukemia Unspecified	-	2	1	1	-	1	1	1	-	-	1	1	1	2	1	-	13	4.4
Other & Unspecified*		-	-	-	-	2	-	-	1	-	6	5	10	11	7	4	9	55	18.7
Total		1	2	2	3	5	5	7	8	11	24	26	34	50	47	30	39	294	100

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

Table 21: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2014 –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	0.4
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	1.1
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	4	1.5
C07-C08	Salivary gland	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.4
C09	Tonsil	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.4
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	1	2	5	5	5	7	8	4	2	39	14.4
C16	Stomach	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	4	1.5
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	3	1.1
C19-C20	Rectum	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	2	0.7
C21	Anus	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	3	1.1
C22	Liver	-	-	-	-	-	-	-	-	-	1	2	2	3	1	-	-	9	3.3
C23-C24	Gall Bladder	-	-	-	-	-	-	-	-	2	1	1	1	7	1	-	-	13	4.8
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	3	1.1
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C33-C34	Lung	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.7
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-	3	1.1
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.7
C50	Breast	-	-	-	-	-	-	2	1	4	3	6	8	5	3	4	1	37	13.7
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	Cervix Uteri	-	-	-	-	-	-	1	2	2	10	4	3	8	4	3	4	41	15.2
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	1	4	1.5
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.4
C56	Ovary etc.	-	-	-	-	-	-	1	2	1	-	-	2	1	1	-	-	8	3.0
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	4	1.5
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	2	0.7
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C70-C72	Brain, NS	-	-	-	-	-	-	-	-	-	-	2	2	2	-	1	-	8	3.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	NHL	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	0.7
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	0.7
C91	Lymphoid Leukemia	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	3	1.1
C92-C94	Myeloid Leukemia	1	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	4	1.5
C95	-	-	-	-	-	-	-	-	1	1	-	-	2	1	-	-	1	6	2.2
Other & Unspecified*		-	-	-	-	-	-	2	3	1	2	6	5	14	6	6	5	50	18.5
Total		1	-	-	1	2	1	9	12	18	27	31	36	55	34	23	20	270	100.0

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

**Table 22: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs)
(TR) Mortality Rate per 100,000 Population: 2014 – 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	1.8	2.0	-	3.5	9.3	4.0	5.3	4.6	1.0	1.1	2.4
C03-06	-	-	-	-	-	1.3	1.6	-	-	2.0	-	10.5	12.4	4.0	5.3	4.6	1.4	1.5	3.3
C07-C08	-	-	-	-	-	-	-	-	-	2.0	-	-	-	4.0	-	-	0.2	0.2	0.4
C09	-	-	-	-	-	-	-	-	1.8	2.0	-	-	-	-	-	4.6	0.3	0.3	0.7
C10	-	-	-	-	-	-	-	-	-	2.0	-	-	3.1	-	-	-	0.2	0.2	0.8
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	1.7	3.6	-	-	-	3.1	4.0	5.3	-	0.7	0.7	1.4
C14	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	0.1	0.1	0.3
C15	-	-	-	-	-	-	1.6	-	5.3	5.9	12.1	13.9	21.7	32.2	26.6	27.6	4.6	4.8	8.7
C16	-	-	-	-	-	1.3	-	-	-	2.0	2.4	-	6.2	4.0	10.6	0.0	0.9	0.9	1.6
C17	-	-	-	-	-	-	-	-	-	2.0	2.4	-	-	-	-	4.6	0.3	0.3	0.8
C18	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-	0.1	0.1	0.4
C19-C20	-	-	-	-	-	-	-	-	-	-	2.4	-	-	4.0	-	4.6	0.3	0.3	0.4
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	-	0.1	-
C22	-	-	-	-	-	-	-	-	-	3.9	2.4	13.9	12.4	8.0	-	4.6	1.5	1.7	4.6
C23-C24	-	-	-	-	1.1	-	-	-	3.6	-	2.4	3.5	-	12.1	5.3	4.6	1.1	1.1	1.5
C25	-	-	-	-	-	-	1.6	-	-	-	2.4	-	3.1	8.0	5.3	-	0.7	0.7	0.8
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	7.0	3.1	4.0	-	4.6	0.5	0.6	1.3
C33-C34	-	-	-	-	-	-	-	-	-	-	7.3	7.0	6.2	8.0	5.3	9.2	1.3	1.4	2.9
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	1.0	-	-	-	-	-	-	2.4	-	-	-	-	-	0.2	0.2	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	4.6	0.2	0.2	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	9.2	0.3	0.3	-
C50	-	-	-	-	-	-	-	-	1.8	-	2.4	-	-	-	5.3	4.6	0.4	0.4	0.7
C60	-	-	-	-	-	-	-	-	-	-	-	-	3.1	8.0	-	4.6	0.4	0.5	0.4
C61	-	-	-	-	-	-	-	-	-	2.0	-	3.5	9.3	16.1	10.6	27.6	1.9	1.9	2.0
C62	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	5.3	4.6	0.3	0.3	0.4
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	3.5	3.1	4.0	5.3	4.6	0.5	0.6	0.8
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	2.0	-	-	-	12.1	10.6	4.6	0.8	0.8	0.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	1.1	-	-	6.7	1.8	2.0	4.8	7.0	9.3	-	5.3	-	1.6	1.7	4.9
C73	-	-	-	-	-	-	-	-	-	-	2.4	3.5	-	-	5.3	-	0.3	0.4	0.8
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	-	-	1.1	-	-	-	-	-	-	2.0	-	3.5	6.2	8.0	5.3	-	0.9	1.0	1.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	2.4	-	3.1	4.0	-	-	0.3	0.4	0.8
C91	1.4	-	-	1.0	-	1.3	-	-	-	-	-	-	-	-	5.3	-	0.4	0.5	-
C92-C94	-	-	-	-	1.1	1.3	3.1	-	-	-	-	-	-	-	5.3	-	0.5	0.5	-
C95	-	2.5	1.1	1.0	-	1.3	1.6	1.7	-	-	2.4	3.5	3.1	8.0	5.3	-	1.4	1.5	1.6
O & U *	-	-	-	-	2.1	-	-	1.7	1.8	11.8	12.1	34.9	34.1	28.1	21.3	41.4	6.0	6.4	13.5
Total	1.4	2.5	2.2	3.0	5.3	6.4	10.9	13.3	21.3	47.3	62.9	118.5	155.1	188.9	159.6	179.5	32.2	33.8	61.0

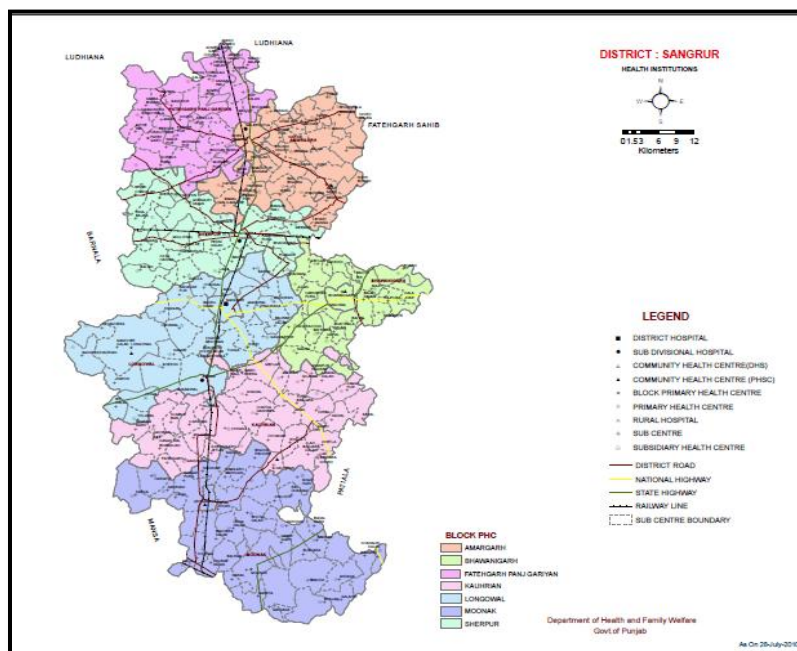
* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 23: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 population: 2014 – 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	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.4
C01-C02	-	-	-	-	-	-	-	-	-	-	2.8	-	3.0	4.4	-	-	0.4	0.4	0.8
C03-C06	-	-	-	-	-	-	-	-	-	-	2.8	-	3.0	4.4	6.4	-	0.5	0.5	0.8
C07-C08	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	0.1	0.1	0.3
C09	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	0.1	0.1	0.3
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	1.7	3.7	10.5	13.9	17.6	20.9	35.5	25.6	9.4	4.8	4.8	10.3
C16	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	6.4	9.4	0.5	0.5	0.5
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	1.8	-	-	-	3.0	-	-	4.7	0.4	0.4	0.7
C19-C20	-	-	-	-	-	-	1.6	-	-	2.1	-	-	-	-	-	-	0.2	0.2	0.4
C21	-	-	-	-	-	-	-	-	1.8	-	-	-	3.0	-	6.4	-	0.4	0.4	0.7
C22	-	-	-	-	-	-	-	-	-	2.1	5.6	7.0	9.0	4.4	-	-	1.1	1.1	3.4
C23-C24	-	-	-	-	-	-	-	-	3.7	2.1	2.8	3.5	20.9	4.4	-	-	1.6	1.6	4.7
C25	-	-	-	-	-	-	-	-	-	2.1	-	-	-	4.4	-	4.7	0.4	0.4	0.4
C30-C31	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.5
C32	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.5
C33-C34	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	0.2	0.2	-
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	1.4	1.6	-	-	-	-	-	-	-	6.4	-	0.4	0.4	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	-	-	-	0.2	0.2	0.8
C50	-	-	-	-	-	-	3.3	1.7	7.3	6.3	16.7	28.1	14.9	13.3	25.6	4.7	4.6	4.6	11.2
C51	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.5
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	1.6	3.4	3.7	21.0	11.1	10.5	23.9	17.8	19.2	18.8	5.1	5.1	11.7
C54	-	-	-	-	-	-	-	-	-	2.1	-	-	3.0	-	6.4	4.7	0.5	0.5	0.8
C55	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	0.1	0.1	0.4
C56	-	-	-	-	-	-	1.6	3.4	1.8	-	-	7.0	3.0	4.4	-	-	1.0	1.0	2.3
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	2.8	3.5	-	4.4	-	0.5	0.5	0.9
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	1.6	-	1.8	-	-	-	-	-	-	-	0.2	0.2	0.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	0.1	0.1	-
C70-C72	-	-	-	-	1.2	-	-	-	-	-	5.6	7.0	6.0	-	6.4	-	1.0	1.0	2.6
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	0.1	0.1	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	-	-	-	-	-	-	-	-	-	-	2.8	-	3.0	-	-	-	0.2	0.2	0.8
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	2.1	-	-	-	4.4	-	-	0.2	0.2	0.4
C91	-	-	-	-	1.2	-	-	-	1.8	2.1	-	-	-	-	-	-	0.4	0.4	0.8
C92-C94	1.7	-	-	1.3	-	-	-	-	-	-	-	-	-	8.9	-	-	0.5	0.5	-
C95	-	-	-	-	-	-	-	1.7	1.8	-	-	7.0	3.0	-	-	4.7	0.7	0.7	2.0
O & U*	-	-	-	-	-	-	3.3	5.1	1.8	4.2	16.7	17.6	41.8	26.7	38.4	23.6	6.2	6.2	12.5
Total	1.7	-	-	1.3	2.4	1.4	14.7	20.6	32.8	56.7	83.5	123.2	165.9	146.7	151.5	89.5	33.4	33.4	72.8

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

16. Village-Wise Incidence and Mortality Cases : 2014



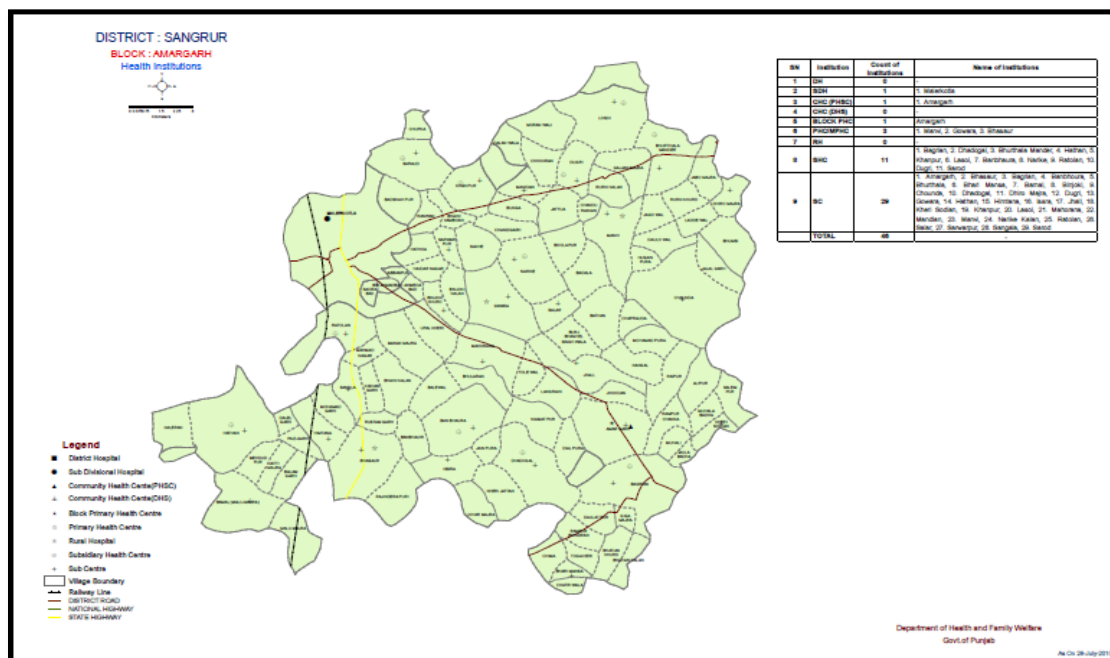
Village-Wise Cancer Incidence Cases and Mortality Cases: Sangrur District

Block	Incidence cases 2014			Mortality cases 2014		
	Male	Female	Total	Male	Female	Total
Urban Area of Sangrur	94	100	194	51	36	87
Amargarh	38	55	93	24	32	56
Bhawanigarh	26	41	67	8	22	30
Fatehgarh Panjgarian	49	45	94	46	23	69
Kauhrian	49	69	118	45	56	101
Longowal	41	50	91	40	35	75
Moonak	72	63	135	41	45	86
Sherpur	44	43	87	39	21	60
Total	413	466	879	294	270	564

Area-Wise Cancer Incidence Cases and Mortality Cases: Urban, Sangrur District

Cancer Incidence and Mortality in Urban Area of Sangrur district							
Sr. No.	Urban area	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Sangrur	20	44	64	13	9	21
2	Dhuri	14	18	32	6	5	11
3	Sunam	22	16	38	7	8	15
4	Malerkotla	38	22	60	25	14	39
Total		94	100	194	51	36	86

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



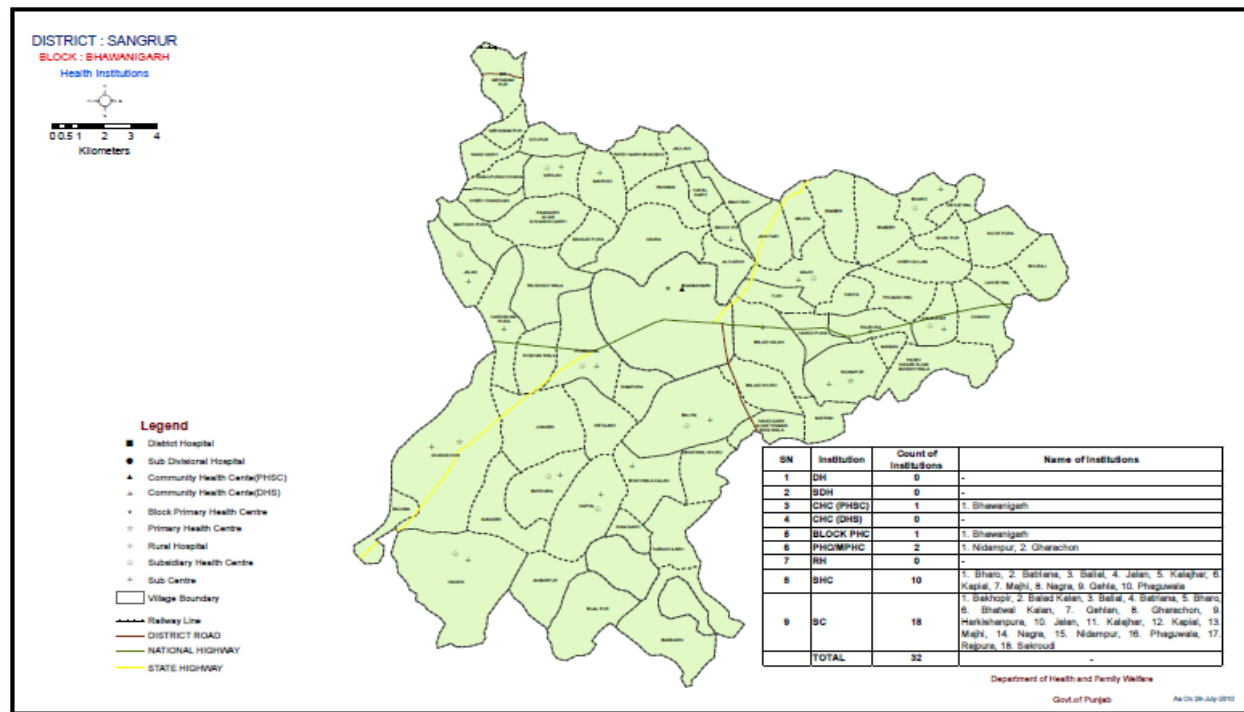
Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Ahmedabad	-	-	-	-	-	-
2	Alipur	1	-	1	-	-	-
3	Amargarh (Village)	3	2	5	3	2	5
4	Badesha	-	1	1	-	-	-
5	Badla	-	1	1	-	-	-
6	Badshahpur	-	-	-	-	-	-
7	Bagrian	1	2	3	-	1	1
8	Balamgarh	1	-	1	-	-	-
9	Bamal	1	3	4	1	-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

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

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
58	jaggowal	-	-	-	-	-	-
59	Jainpur	-	-	-	-	-	-
60	Jalalgarh	-	-	-	-	-	-
61	Jati Majra	-	-	-	-	-	-
62	Jattuan	1	-	1	1	-	1
63	Jhall	1	-	1	-	-	-
64	Jhunda	-	-	-	-	-	-
65	Kaleran	-	1	1	-	-	-
66	Khanpur	-	-	-	-	-	-
67	Kheri Jattan	-	-	-	-	-	-
68	Kheri Sodhian	-	-	-	-	-	-
69	ladewal	-	-	-	-	1	1
70	Langria	-	1	1	-	1	1
71	Lasoi	-	2	2	-	-	-
72	Lohar Majra	1	-	1	1	-	1
73	Mahorana	1	-	1	-	-	-
74	Malumajra	-	-	-	-	-	-
75	manak Majra	-	-	-	-	-	-
76	Mandian	1	-	1	-	-	-
77	Manvi	1	-	1	1	-	1
78	Mohala	-	-	-	-	-	-
79	Mohali	-	1	1	-	-	-
80	Mohamadgarh	-	-	-	-	1	1
81	Mohamadpur	-	-	-	-	-	-
82	moranwali	-	-	-	-	-	-
83	Mula Badan	-	-	-	-	-	-
84	Nangal	-	-	-	-	-	-
85	Narika Kalan	2	3	5	1	3	4
86	Narika Khurd	-	-	-	-	-	-
87	Niamatpur	-	1	1	-	-	-
88	Radwan	1	-	1	-	-	-
89	Raipur	-	2	2	-	2	2
90	Rajindra Puri	1	-	1	1	-	1
91	Rampur Bhindra	1	1	2	1	1	2
92	Rampur Channa	-	1	1	1	-	1
93	Ratolan (Amrgarh Block)	-	-	-	-	-	-
94	Rurki Kalan	-	-	-	-	-	-
95	Rurki Khurd	-	-	-	-	-	-

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
96	Rustam Garh	-	-	-	-	-	-
97	Salar	-	-	-	-	-	-
98	Salempur (amargarh block)	-	1	1	-	-	-
99	Sampurangarh	-	-	-	-	-	-
100	Sangala	1	1	2	-	1	1
101	Sangali	1	-	1	1	-	1
102	Sarod	1	3	4	-	1	1
103	Sarwarpur	-	2	2	-	1	1
104	Sehke	-	3	3	-	2	2
105	Togaheri	1	-	1	-	-	-
106	Tolewal	-	-	-	-	-	-
107	Uppoki (Uppal Kheri)	1	-	1	1	1	2
Total		38	55	93	24	32	56

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

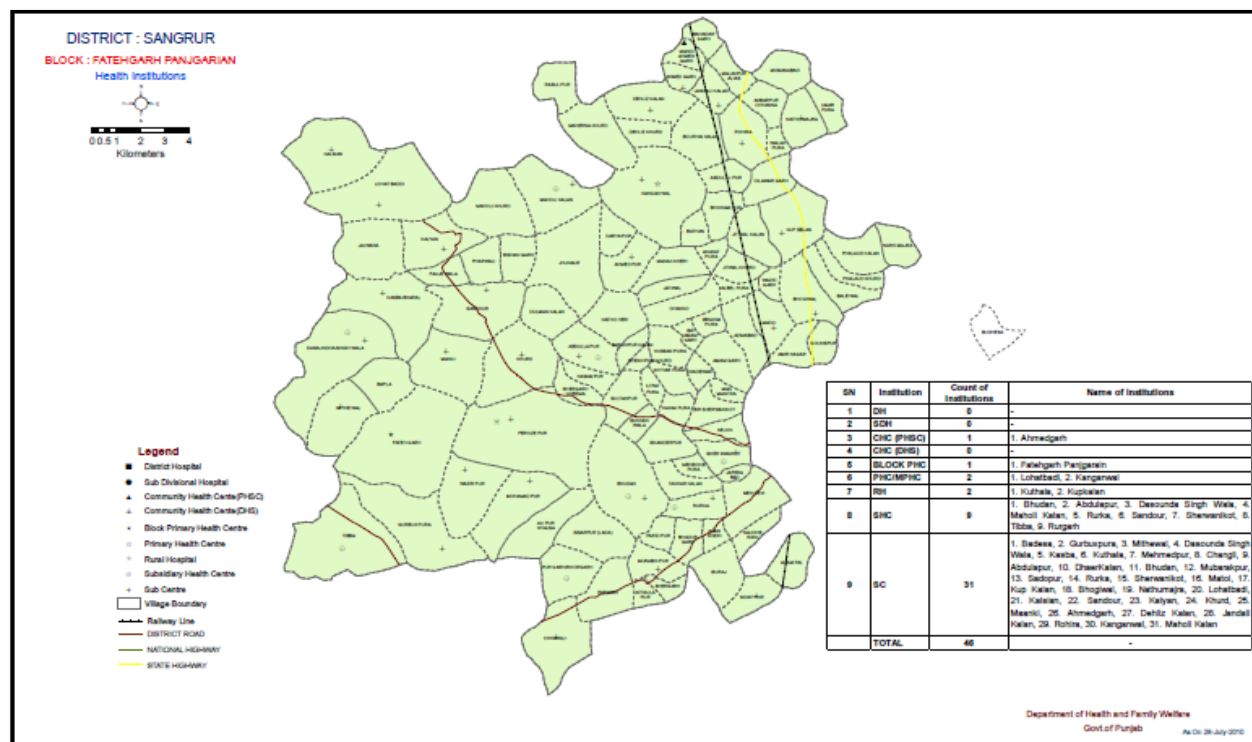


Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Akbarpur	1	2	3	1	1	2
2	Aloarkh	-	1	1	-	-	-
3	Bakhopir	-	-	-	-	-	-
4	Bakhtra	-	-	-	-	-	-
5	Bakhtri	1	-	1	-	-	-
6	Balad Kalan	-	1	1	-	1	1
7	Balad Khurd	-	-	-	-	-	-
8	Balad Kothi	1	-	1	-	-	-
9	Balial	2	1	3	-	-	-
10	Bassiarkh	2	-	2	-	-	-
11	Batriana	-	-	-	-	-	-
12	Bharaj	1	-	1	-	-	-
13	Bharo	-	-	-	-	-	-
14	Bhatiwal Kalan	1	1	2	-	-	-
15	Bhatiwal Khurd	-	-	-	-	-	-
16	Bhawanigarh	4	7	11	2	3	5
17	Bijalpur	-	-	-	-	-	-

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

Sr.no.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
55	Rai Singh Wala	-	-	-	-	-	-
56	Rajpura	-	-	-	-	-	-
57	Ramgarh	-	-	-	-	-	-
58	Rampura (Bhawanigarh block)	1	3	4	-	2	2
59	Rasulpur chhana	-	1	1	-	-	-
60	Retgarh	-	-	-	-	-	-
61	Roshanwala	-	-	-	-	-	-
62	Sajuma	-	1	1	-	-	-
63	Sakrodi	-	2	2	-	1	1
64	Sangatpura (Bhawanigarh Block)	-	-	-	-	-	-
65	Sanghreri	-	-	-	-	1	1
66	Santokhpura	-	-	-	-	-	-
67	Shahpur (Bhawanigarh Block)	-	-	-	-	-	-
68	Turi	-	-	-	-	-	-
	Total	26	41	67	8	22	30

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



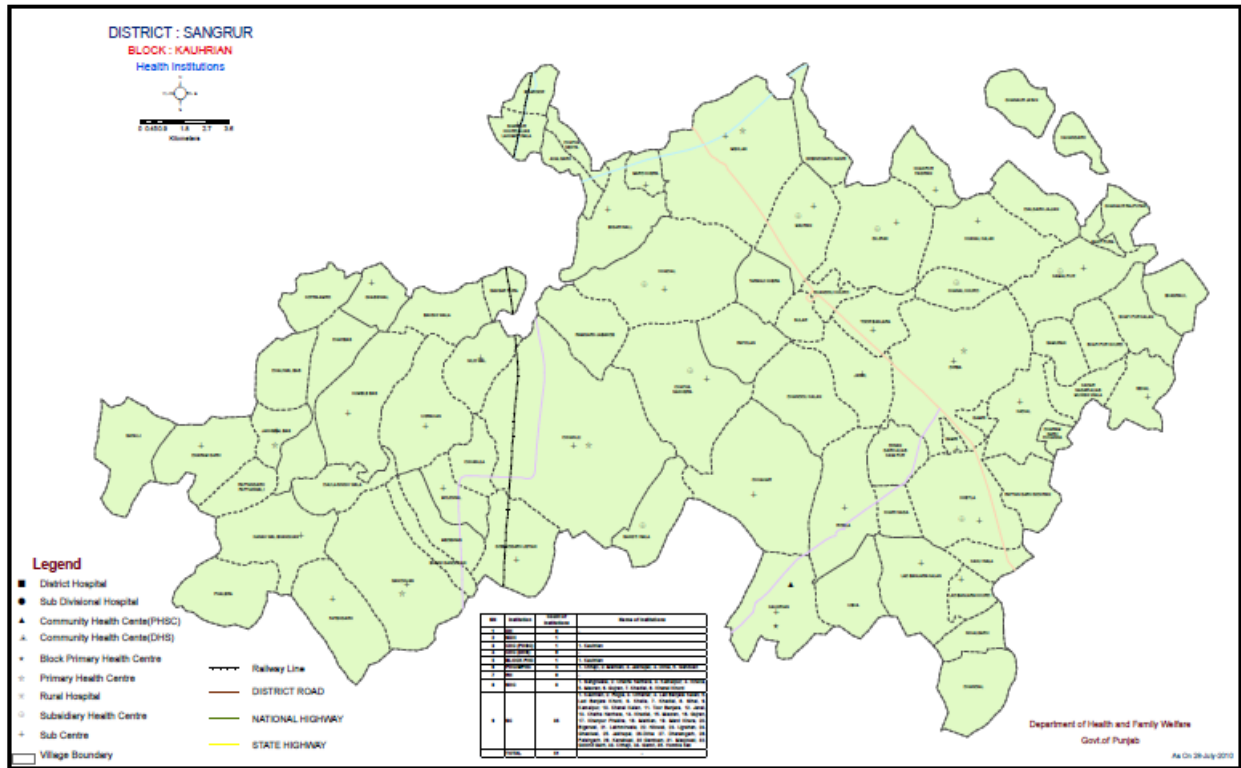
Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Aadam Pal	-	1	1	-	-	-
2	Aahen Kheri	-	-	-	-	-	-
3	Abdulapur	-	-	-	1	-	1
4	Ahmedgarh	8	3	11	2	3	5
5	Ahmedgarh Channa	-	2	2	-	-	-
6	Akbarpur Channa	-	-	-	-	-	-
7	Albelpura (Rodiwal)	-	-	-	-	-	-
8	Alipur Khalsa	-	-	-	-	-	-
9	Alipur	-	-	-	-	-	-
10	Amirnagar Dulma	-	3	3	-	-	-
11	Balewal	-	1	1	-	1	1
12	Bapla	-	1	1	-	-	-
13	Barkatpura	-	-	-	-	-	-
14	Bathan	-	-	-	-	-	-
15	Begowal	1	-	1	1	-	1
16	Bhogiwal	-	1	1	1	1	2
17	Bhudan	-	1	1	1	-	1

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

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
56	Kalyan	1	-	1	1	-	1
57	Kanganwal	-	1	1	1	1	2
58	Kasapur	-	-	-	-	-	-
59	Kasba Bhural	1	2	3	1	1	2
60	Khurd	1	3	4	2	1	3
61	Kup Kalan	2	-	2	-	-	-
62	Kup Khurd		-	-	-	-	-
63	Kuthala	6	-	6	4	-	4
64	Madevi	2	-	2	-	-	-
65	Maherna Khurd	-	-	-	-	-	-
66	Mahmadpur	-	2	2	-	-	-
67	Maholi Kalan	1	-	1	2	2	4
68	Maholi Khurd		1	1	-	-	-
69	Manakheri+Anaditpura	1	1	2	2	-	2
70	Manki	-	-	-	1	1	2
71	Manmajra	-	-	-	-	-	-
72	Matoi	-	-	-	-	-	-
73	Mithewal	-	-	-	-	-	-
74	Momnabad	-	1	1	-	1	1
75	Mubarkpur	-	1	1	-	-	-
76	Naromajra	1	-	1	1	-	1
77	Nathoheri	1	-	1	1	-	1
78	Nathumajra	-	-	-	-	1	1
79	Naudhrani	-	1	1	-	-	-
80	Phalound Kalan	1	-	1	-	-	-
81	Phalound Khurd	-	1	1	-	-	-
82	Pharwahi	1	-	1	-	-	-
83	Pharwali	1	-	1	-	-	-
84	Rasulpur	-	1	1	-	-	-
85	Rohira	1	1	2	1	-	1
86	Roorgarh	-	-	-	-	-	-
87	Rurka	-	-	-	1	-	1
88	Sadopur	2	1	3	1	-	1
89	Sandaur	-	1	1	1	1	2
90	Sangain	-	-	-	-	2	2
91	Shergarh Cheema	-	-	-	-	-	-
92	Sherwanikot	1	1	2	2		2
93	Sikanderpura	1	-	1	-	1	1

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
94	Sultanpur Budhraawan	-	-	-	-	-	-
95	Takhar Kalan	-	-	-	-	-	-
96	Takhar Khurd	-	1	1	-	-	-
97	Tibba	1	-	1	-	-	-
98	Umarpura	-	-	-	-	-	-
99	Wazidgarh Rohno	1	1	2	-	-	-
	Total	49	45	94	46	23	69

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

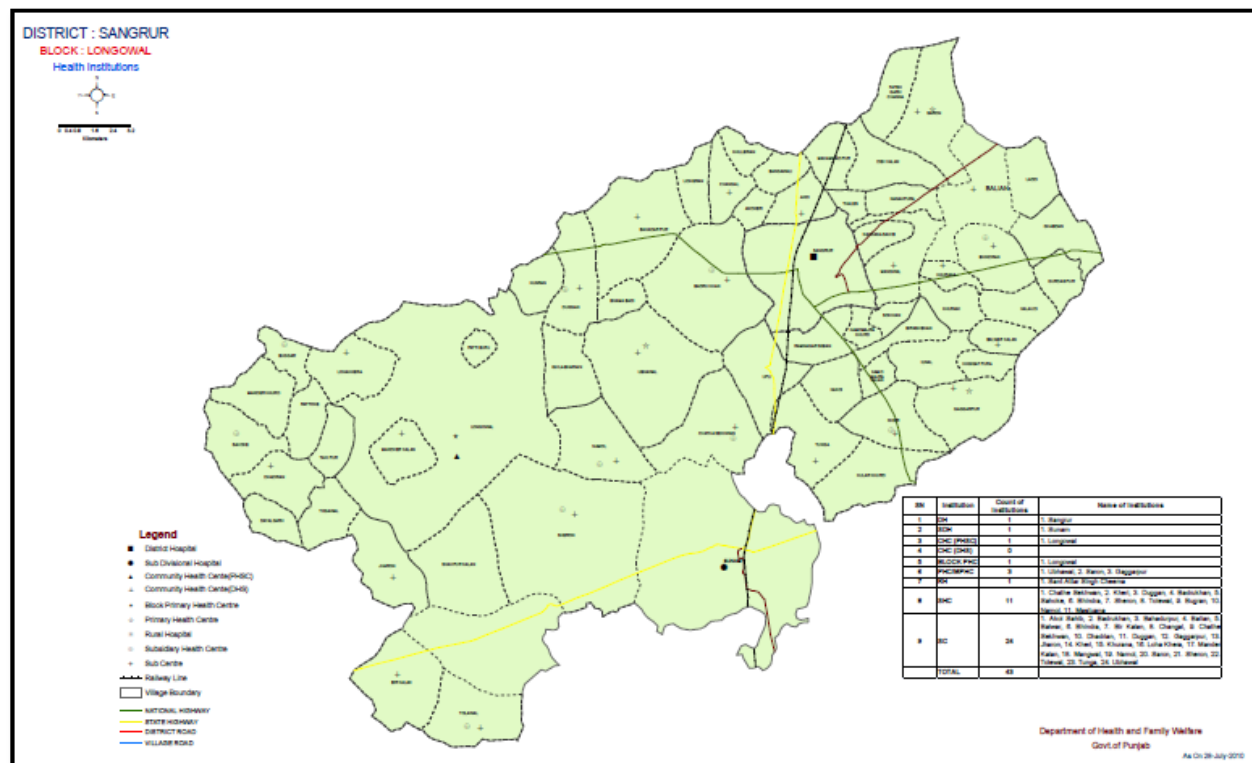


Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Akalgarh	-	1	1	-	-	-
2	Amrukotra	-	-	-	-	1	1
3	Baghrol	-	-	-	-	-	-
4	Bakshiwal	-	-	-	-	-	-
5	Bhaini	-	-	-	-	-	-
6	Bharoor	1	2	3	1	1	2
7	Biggarwal	-	-	-	2	-	2
8	Bishanpura	1	-	1	-	-	-
9	Camper	-	-	-	1	-	1
10	Chahhar	1	1	2	-	2	2
11	Chathe Nanhera	2	3	5	1	2	3
12	Chauwas (Jakhepal)	-	2	2	-	1	1
13	Chhajla	-	-	-	-	-	-
14	Chhajli	3	2	5	2	4	6
15	Daula Singh Wala	1	-	1	-	-	-
16	Dhaliwas (Jakhepal)	-	1	1	-	-	-

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
17	Dhandial	1	-	1	-	-	-
18	Dhandoli Kalan	-	-	-	-	-	-
19	Dhandoli Khurd	-	1	1	-	1	1
20	Dharamgarh	-	1	1	-	2	2
21	Dharamgarh Channa	-	-	-	-	-	-
22	Dialgarh Jejjain	1	3	4	1	1	2
23	Dirba	4	10	14	4	1	5
24	Falera	1	1	2	-	1	1
25	Fatehgarh	-	-	-	-	1	1
26	Gamri	-	-	-	-	-	-
27	Ghanaur Jatan	-	-	-	-	-	-
28	Ghanaur Rajputan	-	2	2	-	1	1
29	Ghanduan	1	-	1	1	2	3
30	Gharat	-	-	-	-	1	1
31	Ghasiwala	-	-	-	-	-	-
32	Gobindgarh Jejjain	-	2	2	-	1	1
33	Gobindpura Nagri	-	-	-	-	-	-
34	Gujjran	1	3	4	2	4	6
35	Hambalwas (Jakhepal)	1	1	2	1	1	2
36	Jaggatpura	-	1	1	-	-	-
37	Jakhepal Was (Jakhepal)	2	-	2	1	-	1
38	Janal	4	-	4	4	1	5
39	Jawandhe	-	-	-	-	-	-
40	Kadial	-	3	3	-	-	-
41	Kahangarh	-	1	1	-	1	1
42	Kakuwala	-	-	-	-	-	-
43	Kamalpur	-	2	2	2	1	3
44	Kanakwal	1	-	1	1	-	1
45	Kauhrian(village)	3	1	4	-	2	2
46	Khadial	1	1	2	-	1	1
47	Khadial Kothe	1	-	1	-	1	1
48	Khanal Kalan	1	-	1	2	-	2
49	Khanal Khurd	1	1	2	1	1	2
50	Khanpur Fakira	-	1	1	-	-	-
51	Khetla	-	-	-	3	2	5
52	Laadbanajara Khurd	1	1	2	-	-	-
53	Laadbanjara Kalan	-	1	1	1	-	1
54	Lakhmirwala	-	3	3	-	1	1

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
55	Maidewas	1	1	2	-	1	1
56	Mardkhera	-	-	-	-	-	-
57	Mauran	3	-	3	3	1	4
58	Mehlan	1	-	1	1	1	2
59	Mojowal	-	1	1	-	-	-
60	Munsiwala	-	-	-	-	-	-
61	Nagakheri	-	-	-	-	-	-
62	Nakte Chathe	-	-	-	-	-	-
63	Nihalgargh	-	1	1	-	1	1
64	Nilowal	-	-	-	-	-	-
65	Rampur Gujran	-	-	-	-	1	1
66	Rampur Kothe	-	-	-	-	-	-
67	Ratolan (Kauhrian Block)	-	1	1	-	1	1
68	Rattangargh	-	-	-	1	-	1
69	Rattangargh Chindran	-	-	-	-	-	-
70	Rogla	1	3	4	2	2	4
71	Safipur Kalan	-	1	1	1	-	1
72	Safipur Khurd	-	-	-	-	-	-
73	Sangtiwala	2	1	3	-	-	-
74	Santpura	-	-	-	-	-	-
75	Satauj	-	3	3	-	2	2
76	Sihal	1	2	3	-	-	-
77	Singhpura	-	-	-	-	-	-
78	Smooran	1	1	2	-	1	1
79	Sullar	1	-	1	-	2	2
80	Taranjikhhera	1	-	1	-	1	1
81	Tibi Basti Gurbakshpura	-	-	-	-	-	-
82	Toorbanjara	2	1	3	3	1	4
83	Ubhyan	-	-	-	3	-	3
84	Ugrahan	1	1	2	-	2	2
Total		49	69	118	45	56	101

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

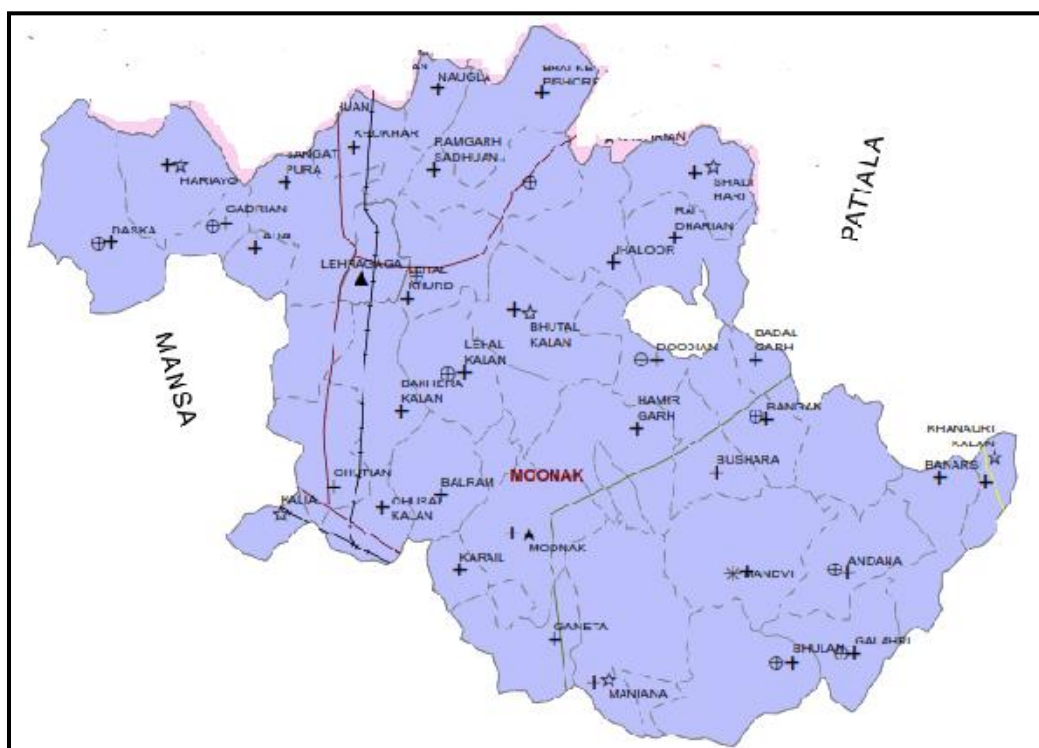


Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Akoi Sahib	-	1	1	1	-	1
2	Badrukhan	1	1	2	2	-	2
3	Bahadurpur	-	3	3	-	1	1
4	Balbad Kalan	-	2	2	-	-	-
5	Balbad Khurd	-	-	-	-	-	-
6	Balian (Longowal Block)	-	1	1	-	1	1
7	Banggawali	-	-	-	-	-	-
8	Bhagwanpura Naiwala	-	-	-	-	-	-
9	Bhamabaddi	2	-	2	2	-	2
10	Bhindran	-	-	-	-	1	1
11	Bir Kalan	2	-	2	-	-	-
12	Buggar	-	-	-	-	-	-
13	Changal	-	1	1	-	1	1
14	Chathe	2	1	3	2	-	2
15	Cheema (Longowal Block)	2	2	4	1	1	2
16	Dehkalani	-	1	1	-	-	-

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
17	Dhadrian	-	2	2	-	1	1
18	Dialgarh (Longowal Block)	2	-	2	2	-	2
19	Duggan	1	-	1	2	-	2
20	Ellwal	2	3	5	2	-	2
21	Fatehgarh Channa	-	-	-	2	1	3
22	Gagarpur	1	-	1	1	-	1
23	Ghabadan	-	-	-	-	-	-
24	Gurdaspur	-	-	-	-	-	-
25	Gurdaspura Gurthali	-	-	-	-	-	-
26	Hreri	1	1	2	1	-	1
27	Jharron	1	-	1	1	2	3
28	Jheor Majra (Sohian Khurd)	-	-	-	-	-	-
29	Kaloudi	-	-	-	-	-	-
30	Kamomajra kalan	1	-	1	1	-	1
31	Kamomajra Khurad	-	2	2	-	-	-
32	Kanoi	-	-	-	-	1	1
33	Kheri	1	-	1	1	1	2
34	Khilrian	-	1	1	-	-	-
35	Khurani	-	-	-	-	1	1
36	Kila Bharian	-	1	1	-	-	-
37	Kularkhurd	1	5	6	1	3	4
38	Kunran	-	2	2	1	2	3
39	Kurahana	-	1	1	-	-	-
40	Laddi	1	-	1	1	-	1
41	Lid dran	1	-	1	2	-	2
42	Loha khera	2	-	2	2	1	3
43	Longowal (Village)	7	4	11	2	2	4
44	Mander Kalan	-	1	1	-	-	-
45	Mander Khurd	-	1	1	-	-	-
46	Mangwal	1	1	2	1	1	2
47	Mohamadpur Channa	-	-	-	1	-	1
48	Namol	3	3	6	2	3	5
49	Pindian	-	-	-	-	1	1
50	Rampura (Longowal block)	-	-	-	-	-	-
51	Ratoke	-	-	-	-	-	-
52	Rupa Heri	-	-	-	1	-	1
53	Sahoke	-	-	-	-	1	1
54	Sarron	-	-	-	-	-	-

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
55	Shahpur (Longowal Block)	-	1	1	-	2	2
56	Sheron	-	2	2	3	4	7
57	Sibia	-	-	-	-	-	-
58	Sohian	-	-	-	-	-	-
59	Takkipur	-	-	-	-	-	-
60	Thlesan	-	-	-	-	1	1
61	Togewal	-	-	-	-	-	-
62	Tolawal	-	2	2	1	-	1
63	Tunggan	3	1	4	-	-	-
64	Ubhawal	2	1	3	1	-	1
65	Uppli	1	2	3	-	2	2
	Total	41	50	91	40	35	75

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

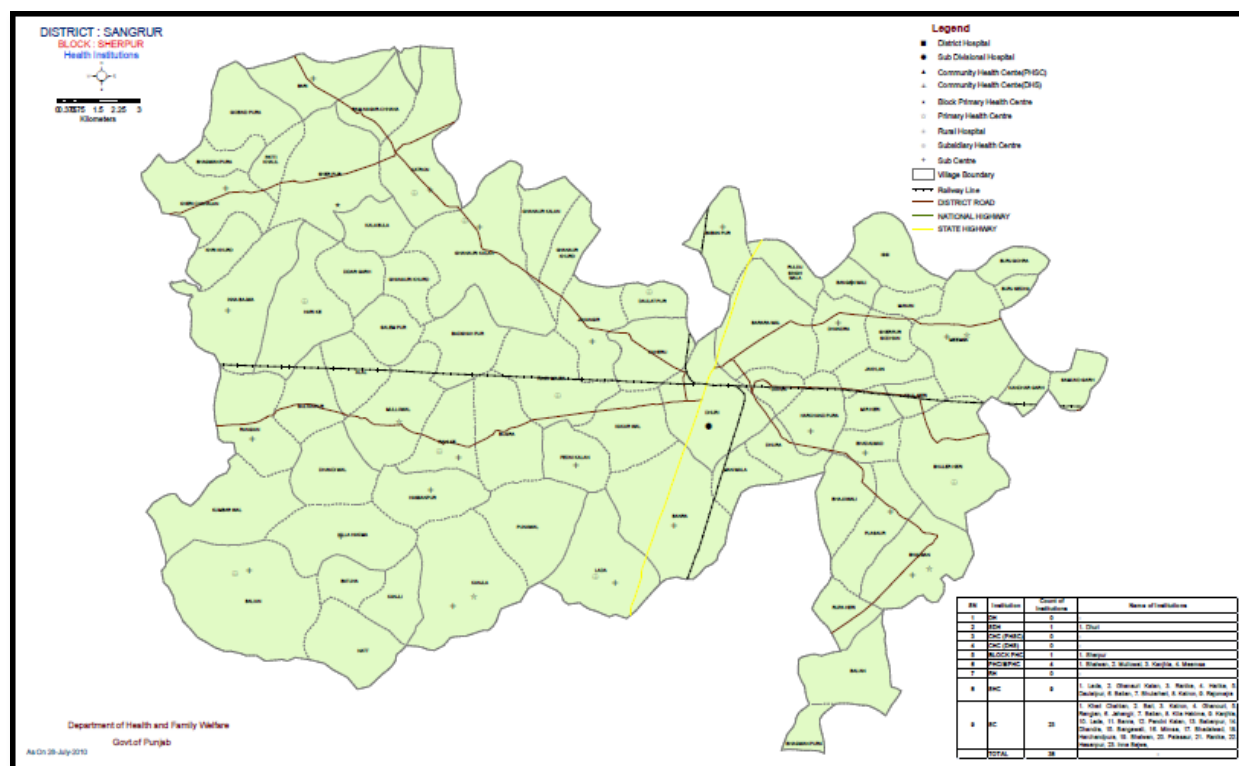


Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Alampur	-	1	1	-	2	2
2	Aliser	-	-	-	-	-	-
3	Andana	2	-	2	-	1	1
4	Arkwass	1	-	1	-	-	-
5	Badalgarh	2	-	2	-	-	-
6	Bahmni wala	-	-	-	-	-	-
7	Bakhora kalan	1	-	1	1	-	1
8	Bakhora Khurd	-	-	-	-	-	-
9	Balran	2	-	2	4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

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

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
57	Khokhar kalan	1	-	1	1	-	1
58	Khokhar khurd	-	-	-	-	-	-
59	Kotralehal	-	3	3	-	-	-
60	Kudni	-	-	-	-	-	-
61	Ladal	1	1	2	-	2	2
62	Lehalkalan	-	3	3	-	-	-
63	Lehalkhurd	-	-	-	-	-	-
64	Lehra	4	5	9	4	4	8
65	Maha Singh wala	-	1	1	-	1	1
66	Makrod Sahib	3	-	3	-	1	1
67	Mandvi	1	-	1	2	1	3
68	Mandvi Khurd	-	-	-	-	-	-
69	Maniana	2	-	2	-	-	-
70	Moonak (town)	7	9	16	2	3	5
71	Nangla	1	2	3	-	-	-
72	Nawa Gaon	-	-	-	-	-	-
73	Phalud	-	-	-	-	-	-
74	Rai Dharana	5	4	9	2	1	3
75	Dera Rai Dharana	-	-	-	-	-	-
76	Rajalheri	-	-	-	-	-	-
77	Ramgarh Gujran	-	-	-	-	-	-
78	Ramgarh Sandhua	1	1	2	-	1	1
79	Rampura gujran	-	1	1	-	-	-
80	Rampura jawahrwala	1	-	1	2	-	2
81	Ratta Khera	2	1	3	-	-	-
82	Rorewala	-	-	-	1	-	1
83	Salemgarh	-	-	-	-	1	1
84	Sangatpura (Moonak Block)	2	-	2	4	-	4
85	Shadihari	-	-	-	-	1	1
86	Shekhuwas	-	1	1	-	-	-
87	Shergarh	-	3	3	-	1	1
88	Surjan Bhaini	-	-	-	-	-	-
89	Thaska	-	-	-	-	1	1
90	Theri	-	-	-	-	-	-
Total		72	63	135	41	45	86

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



Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Alal	-	-	-	-	-	-
2	Babanpur	-	-	-	-	-	-
3	Badashpur	-	1	1	1	-	1
4	Balian (Sherpur block)	1	1	2	1	1	2
5	Bangawali	-	-	-	-	-	-
6	Bardwal	1	1	2	-	-	-
7	Barri	-	-	-	-	-	-
8	Batuha	1	-	1	-	-	-
9	Benra	1	-	1	-	1	1
10	Bhadalwad	-	-	-	-	-	-
11	Bhagwanpura	2	-	2	1	-	1
12	Bhalwan	1	-	1	1	-	1
13	Bhojowali	-	-	-	-	-	-
14	Bhullerheri	1	3	4	-	2	2
15	Bugra	1	-	1	1	-	1

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

Sr.No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
54	Meerheri	-	-	-	1	-	1
55	Mullowal	-	1	1	-	-	-
56	Natt	-	-	-	-	-	-
57	Palasour		1	1	2	-	2
58	Patti Khalil	-	-	-	-	-	-
59	Pedhni Kalan	-	-	-	-	-	-
60	Punnawal	3	-	3	2	-	2
61	Rajomajra	-	1	1	-	-	-
62	Ramnagar Channa	-	-	-	-	-	-
63	Rangian	1	1	2	3	1	4
64	Ranike	-	1	1	-	-	-
65	Ruldu Singh Wala	-	-	-	1	-	1
66	Salempur (sherpur block)	-	-	-	-	1	1
67	Samundgarh Channa	-	-	-	-	-	-
68	Sherpur (Village)	2	1	3	2	2	4
69	Sherpur Sodhian	1	-	1	1	-	1
70	Sultanpur	-	-	-	1	-	1
	Total	44	43	87	39	21	60

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Dr. Sankalp Sancheti, Pathologist
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Dr. Machindra Asore, Radiologist
Dr. Utkarsh Patil, Radiologist

Sangrur District Administration

Mr. Amarpartap Singh Virk IAS, Deputy Commissioner
Poonadeep Kaur, ADC
Dr. Surinder Singla, Asst. Civil Surgeon
Dr. Upasna, District Epidemiology Unit
Mrs. Parneet Kaur, Consultant, Fluorosis

Civil Hospital, Sangrur

Dr. Parminder Kaur, Deputy Medical Commissioner
Dr. Balwant Singh, SMO
Dr. K. C. Goyal, Ex SMO
Dr. Inderjeet Singla, Pathologist
Dr. Jaspreet Kaur, Pathologist
Dr. Surbhi Mittal, Pathologist
Dr. Poonam Dhir, Surgeon
Dr. Rahul, MD Medicine
Dr. Kirandeep Kaur, Gynecologist
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Dr. Vikas Dhir, MD(Medicine) PCMS- 1
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Dr. Sanjeev Aggarwal, MS Eye
Dr. Anju Singla, MD Skin
Dr. Paramvir Singh Klair, Pediatrician
Dr. Ravinderpal, Radiologist
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Mr. Mohan Singh Sr LT
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Mr. Gurdeep Singh LT
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Department of Immunopathology

Dr. Ranjana W. Minz, Professor & Head

Department of Histopathology

Dr. R.K Vashishta, Professor & Head

Department of Hospital Administration

Dr. A.K Gupta, Medical Superintendent- cum-
Professor and Head

Department of Radio Diagnosis and Imaging

Dr. N. Khandelwal, Professor & Head

Central Registration Department (CRD)

Mr. Kartikeyan, Sr. MRO

Mrs. C. Uma Rani, Sr. MRO

Dr. Kathirvel S, Sr. Resident

**Department of Community Medicine, School of
Public Health**

Dr. Ravneet Kaur, Ex Assistant Professor

Dr. M. A. Bashar, Jr. Resident

Department of Biostatistics

Dr. S. P. S Bhatia, Ex Lecturer

Civil Hospital, Malerkotla

Dr. Gursharan Singh Singh, SMO

Dr. Jyoti, Pathologist

Mr. Nazir

Civil Hospital, Dhuri

Dr. Karnail Singh, SMO

Dr. Sukhvinder Singh MS, E.N.T

Mrs. Kuldeep Kaur MPH

Mrs. Rajwinder Kaur MPH

Mrs. Kamaljeet Kaur

Mrs. Sukhdeep Kaur

Mrs. HEVANDEEP Kaur

Mrs. Hardeep Kaur

PHC, Sherpur

Dr. Geeta , SMO

Mr. Tarsem Singh, BEE

Mr. Avtar Singh, Death and Birth Registrar

CHC, Amargarh

Dr. Mohammad Akhtar, SMO

Dr. Amadeep Kaur, MO

Mr. Sahil puri, BEE

CHC, Bhawanigarh

Dr. Navjinder Sodhi, SMO

Dr. Narinder Kumar, SMO

Mr. Gurvinder Singh, BEE

Births and Deaths Registrar, Ahmedgarh

Mrs. Neelam Rani

CHC, Ahmedgarh

Dr. Narinder Kumar, SMO

CHC, Kauhrian

Dr. Tejinder Singh

Births and Deaths Registrar Sangrur

Mr. Jagjeet Singh

Births and Deaths Registrar Dhuri

Mr. Krishan Puri

Births and Deaths Registrar Dirba

Guljar Singh, Jr. Asst

CHC, Lehragaga

Dr. Kiran, SMO

CHC, Longowal

Dr. Narinder Kumar, SMO

Births and Deaths Registrar, Longowal

Mr. Gurmeet Singh, Clerk

PHC, Moonak

Dr. Ravinder Singh Rishi, SMO

PHC, Fatehgarh Panjgarhian

Dr. Balwinder Singh, SMO

Mr. Mandeep Singh, BEE

Poonam Path Lab, Sangrur

Dr. Poonam, Pathologist

Dr. Lal Path Lab, Sangrur

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Dr. Jasbir Kaur Sodhi, Radiologist

Mr. Jaspreet Singh, Radiographer

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Dr. Harbans Singh, Radiologist

Mr. Atma Singh, CT Technician

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Dr. Ravinder Bansal, Surgeon

Malerkotla

Births and Death Registrar

Mr. Mohan Singh

Mr. Mohammad Ismile, Social Worker

MC, Malerkotla

Mr. Iqbal Mohammad, MC, Malerkotla

Revisory Committee, Malerkotla

Mr. Arfat Khan, Member

Muslim Committee, Malerkotla

Mr. Satar Mohammad, Member

Births and Deaths Registrar, Sunam

Mr. Ajaib Singh, Computer Assistant

Births and Deaths Registrar, Cheema

Mr. Amarjit Kumar, Clerk

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Dr. Renu Singla, MBBS, DGO

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Dr.Zameer Ahmed MS Surgeon

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Dr. Pardeep Oswal, General Secretary

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Dr. Vinder Pal Garg, Surgeon

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Dr. Rajiv Joshi, Principal

Dr. Raja Banipal, Prof & Head Radiotherapy

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

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Dr. Lal Path, Patiala

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Mrs. Kanu Goel, Pathologist

SRL Diagnostics

Mr. Rakesh Chandel, Lab Technician

Desh Sewak Newspaper

Mr. Fateh Singh Parbhakar, Asst. Editor

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Dr. Ramesh K. Kundal MD

Mrs. Sudarshan SLT

Mrs. Anisshain LT

Sh. Malwinder Singh, Chief Pharmacist

Ms. Alisha Pharmacist

Sh. Pawan kumar, Data Entry Operator

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Sh. Sandeep Rai, Department of Medical Superintendent

Sh. Barinder Singh, Sr. MRT

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Dr. V. K. Kaushal, Director

Dr. Gurenderjit Singh, Medical Superintendent

Dr. Pradeep kapur, Sr. Consultant Head & chest

Sh. Sohan Singh Negi, Clerk

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Dr. A.K. Janmeja, Medical Superintendent

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Dr. Vandana Gupta, Medical Superintendent

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Ludhiana**

Dr. Sandeep Puri, principal
Dr. Sandeep Sharma, Medical Superintendent
Sh. Pawan kumar, Sr. Medical Record Officer

IVY Hospital, SAS Nagar

Sh. Gurtej Singh, Chairman
Dr. Mukesh, Medical Superintendent

Indus Hospital, SAS Nagar

Dr. Sant Parkash, Chairperson

**Sri Guru Ramdas Institute of Medical Sciences
& Research, Amritsar**

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

**Life Line Care Hospital/Aadhar Health Institute
Hisar**

Dr. Lovnish Goyal, MBBS MD (Medicine)

Grecian Hospital, SAS Nagar

Dr. Shiv Preet Samra, Managing Director
Dr. Amit Dhaman, Medical Superintendent,
Admin Dept.

Max Superspeciality hospital, SAS Nagar

Dr. Sandeep Dogra, General Manager
Shah Satnam ji Speciality Hospital, Sirsa
Dr. M. P. Singh, CMO

Pt. Bhagwat Dayal Sharma, PGIMS, Rohtak

Dr. Rakesh Gupta, Director
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

Hazrat Haleema Hospital, Malerkotla

Mr. Zulfkar Ali Malik, Managing Director
Dr. Zamir Ahmed, Head of the hospital

Adesh Charitable Cancer Hospital, Muktsar

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

Amar Hospital, Patiala

Dr. Amanjot Singh, Head of Department
Dr. Jaskarn Singh Sra, DMS

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Sr. Harjeet Singh, Associate Administrator,
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**International Institute for Population Science,
Mumbai**

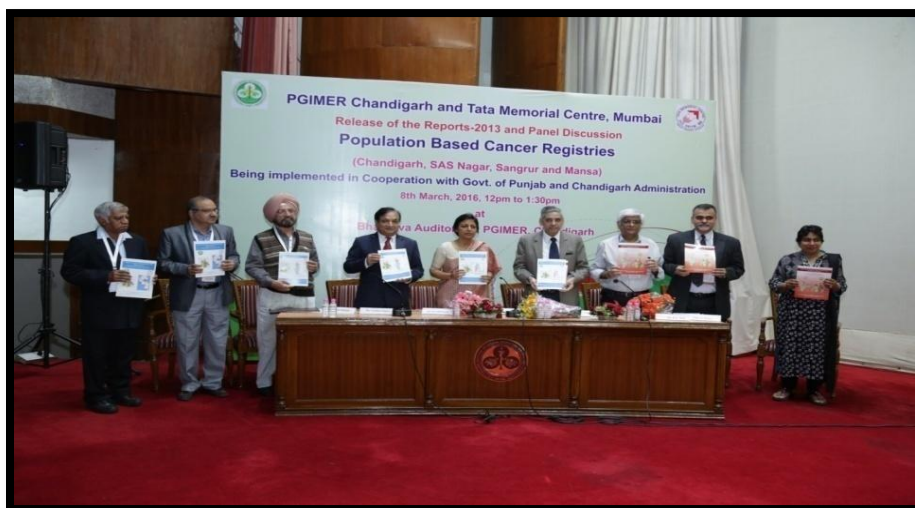
Dr. Murali Dhar.

Jang Bahadur Prasad, PhD (Research Scholar)

Annexure

Release of First Year Report of the Mansa Population-Based Cancer Registry

The first-year report of Population Based Cancer Registry Mansa was released on March 8, 2016 at Bhargava Auditorium, PGIMER, Chandigarh. The occasion was graced by Dr. K. K. Talwar, Prof. Raj Bhaddur, Vice Chancellor, Ms. Vini Mahajan, IAS, PSHFW, Punjab, Dr. Yogesh Chawala Director PGI Chandigarh, Dr. Rajesh Dikshit, Dr. JS. Thakur and Mr. T. Ambumani.



Release of the first year report of the population-based cancer registry Punjab and Chandigarh



Dr. Atul Budukh, Co-Principle Investigator of the Punjab and Chandigarh Cancer registry provides copies of the Mansa, Sangrur, SAS Nagar and Chandigarh Cancer Registry reports to Dr. Christopher P. Wild, Director of International Agency for Research on Cancer, and to Dr. Freddie Bray, Head of the Cancer Surveillance Section, during the inaugural function of the Centre for Cancer Epidemiology, at the Tata Memorial Centre, Mumbai.

Causes of Death Study in Sangrur District

The Sangrur Population-Based Cancer Registry in collaboration with CGHR Canada has conducted a study in 39 villages covering a population of 81,716 to know the cause of death in Sangrur district.

Objective of the study

To assess the causes of death in the Sangrur and Mansa districts of Punjab using data collected by lay reporters and coded by physicians.

To compare the performance of physician coding with computer coding at the population level.

Work Carried Out

In this study we have covered 39 villages. The house to house survey was done in these villages and we have interviewed the relatives of the 2584 deaths to know the cause of death through verbal autopsy as well by computer programme, which was available on the laptop.

The data analysis of this study is in process. **From this study, we will get to know the completeness of the cancer mortality data by the cancer registry.**

Cancer Awareness Programme

The cancer registry has organized a cancer awareness programme and drawing competition on cancer for the school girls of the age group 14-16. In this programme, around 150 girls participated. This activity was helpful in raising cancer awareness about breast, cervical, mouth and oesophagus cancer.

Cancer Awareness Programme in the Government Girls Sen. Sec. School, Sangrur



Cancer Detection Camp

Homi Bhabha Cancer Hospital Sangrur has organised three cancer detection camps in the registry area. Sangrur registry staff was actively involved in this activity.



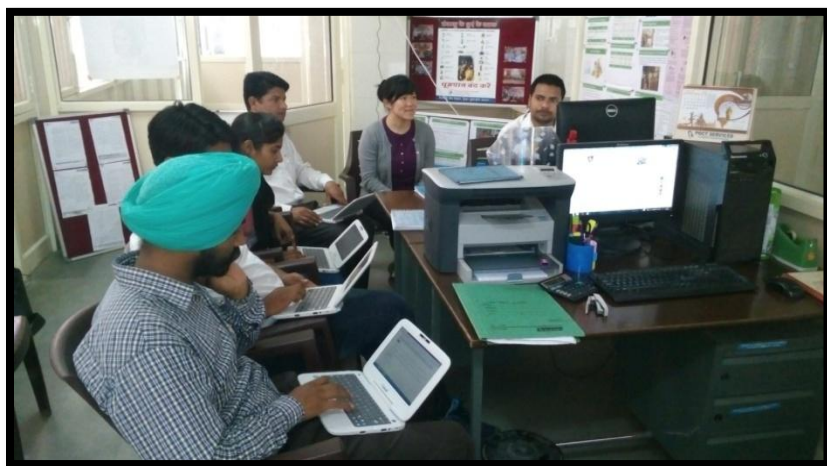
Lectures for ANM District Sangrur

Cancer education programme was organized for the nursing staff from Government Nursing School. This programme was helpful in raising the cancer awareness among nursing staff. Approximate 200 nursing staff benefited due to this activity.



International Visitor:

Dr. Stephanie Vachirasudlekha CDC-Hubert Global Health Fellow, Office of International Cancer Control, Centers for Disease Control and Prevention, Michigan State University College of Human Medicine visited the PBCR Sangrur office.





Tata Memorial Centre, Mumbai



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



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

"Cancer is curable if detected early."