

Cancer Incidence and Mortality in Sangrur District, Punjab state, India: 2019-2020



Homi Bhabha Cancer Hospital, Sangrur,
Punjab State, India



Sangrur district, Punjab State, India

Centre for Cancer Epidemiology (CCE), Mumbai, India

Homi Bhabha Cancer Hospital (HBCH), Sangrur, Punjab, India

Homi Bhabha Cancer Hospital & Research Centre (HBCH&RC), Mullanpur, Punjab, India

Advanced Centre for Treatment, Research, and Education in Cancer, Kharghar, India

Tata Memorial Centre (TMC) Mumbai, India

Homi Bhabha National Institute (HBNI), Mumbai, India

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

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 (TMC), Mumbai

Name	Role	Designation
Dr. Sudeep Gupta	Principal Investigator	Director, TMC
Dr. Rajendra Badwe	Principal Investigator	Director, TMC (till 30 th November 2023)
Dr. Rajesh Dikshit	Co – Investigator	Director, CCE-TMC
Dr. Pankaj Chaturvedi	Co – Investigator	Director, ACTREC
Dr. Ashish Gulia	Co – Investigator	Director, HBCH & RC, Punjab
Dr. Atul Budukh	Co – Principal Investigator	Professor, CCE-TMC

Homi Bhabha Cancer Hospital (HBCH), Sangrur

Name	Designation
Dr. Tapas Dora	Professor Radiotherapy
Dr. R.S. Brar	Professor Radio-Diagnosis
Dr. Sankalp Sancheti	Professor Pathology
Dr. Alok Kumar Goel	Professor Medical Oncology
Dr. Lalita G. Mitra	Professor Anesthesia
Dr. Vikram Singh	Associate Professor Surgical Oncology
Dr. Vandita Pahwa	Assistant Professor Preventive Oncology
Dr. Charu Singh	Associate Professor Microbiology
Dr. Naveen Bansal	Assistant Professor Transfusion Medicine

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

Name	Role	Designation
Prof. Vivek Lal	Steering Committee Chairman (May 2022 onwards)	Director
Dr. Surjit Singh	Steering Committee Chairman (Nov 2021 to May 2022)	Ex-Director
Dr. Jagat Ram	Steering Committee Chairman (Mar 2017 to Oct 2021)	Ex-Director
Dr. JS Thakur	Co-Principal Investigator	Professor
Dr. Rakesh Kapoor	Co- Investigator	Professor
Dr. Pankaj Malhotra	Co-Investigator	Professor
Dr. SPS Bhatia	Co-Investigator	Lecturer
Dr. Pankaj Arora	Co-Investigator	Assistant Professor

Civil Hospital, Sangrur

Name	Role	Designation
Dr. Sanjay Kamra	Co-Investigator	Civil Surgeon Sangrur
Dr. Pradeep Kumar	Co-Investigator	Civil Surgeon, Malerkotla

Technical staff from Centre for Cancer Epidemiology, Mumbai

Name	Designation
Mrs. Sonali Bagal	Research Co-ordinator

Population-Based Cancer Registry (PBCR), Sangrur

Name	Designation
Dr. Aishwarya Singh	Project Manager
Mr. Ishan Manchanda	Data Manager
Ms. Amandeep Kaur	Research Co-ordinator
Mr. Amarjit Singh	Social Worker
Mr. Lakhwinder Singh	Field Investigator
Mr. Sandeep Singh	Field Investigator
Mr. Charanjeet Singh	Field Investigator
Mr. Deepak Saini	Field Investigator
Mr. Kulwinder Singh	Field Investigator
Mr. Sanjeev Kumar	Field Investigator
Mr. Parmod Sharma	Field Investigator

Hospital-Based Cancer Registry (HBCR), Sangrur

Name	Designation
Dr. Anjali Sharma	Medical Officer
Drx. Kiran Arora	Research Coordinator
Mr Kuldeep S Chauhan	Scientific Assistant

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Office Address

Population-Based Cancer Registry, Sangrur

Homi Bhabha Cancer Hospital,

Civil Hospital Campus Sangrur,

Punjab State, India

148001

Mobile Number: 9920863064/ 01672241541

Email: prevonc@hbchs.tmc.gov.in, pbcrsangrur13@gmail.com

CONTENTS

Sr. No.	Topic	Page Number
	Executive summary	1
1.	Punjab state profile	5
2.	Sangrur district profile	6
3.	Administrative order by the state government for the cancer registration process	9
4.	Population covered by cancer registry	10
5.	Cancer registration method	12
6.	Community involvement in the cancer registration process	17
7.	Quality control	19
8.	Cancer cases registered by the source of registration: First source of registration	21
9.	Cancer incidence and mortality: All sites	23
10.	Leading cancer sites by gender	24
11.	Cancer pattern in pediatric age-group (0-14 years)	36
12.	Tobacco-related cancers	39
13.	Cancer burden as per anatomical system	42
14.	Cancer trends in Sangrur district	44
15.	Cancer survival studies	48
16.	Socio-demographic information	49
17.	Comparison of leading cancer sites with other Indian Registries	51
18.	COVID-19 impact on cancer registry activities	58
19.	Description of statistical terms used	59
20.	Standard registry tables	60
21.	Pediatric cancer incidence tables as per ICCC-3 standard	72
22.	Standard registry tables for the year 2019, 2020	74
23.	Village-wise incidence and mortality cases: 2013-2020	92
24.	References	115
25.	Acknowledgement	116
26.	Annexure	124

Executive Summary

BACKGROUND

Tata Memorial Centre (TMC), Mumbai an autonomous institute under the Department of Atomic Energy, Government of India, started a population-based cancer registry (PBCR) in Sangrur district on January 1, 2013, in collaboration with the Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh 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 strengthening cancer care services in this area. The cancer registry regularly publishes annual reports. This report presents the cancer data for the years 2019 and 2020.

POPULATION COVERED

The cancer registry covers seven health blocks of the district – Amargarh, Bhawanigarh, Fatehgarh Panjgrian, Kauhrian, Longowal, Moonak, and Sherpur covering a population of 17,94,201. The registry covers urban areas as well as 589 villages in the district. More than 65% of the population of the district is rural. Sangrur district was split and the new district of Malerkotla was formed as the 23rd district of Punjab on 02nd June 2021. District Malerkotla is divided into three sub-divisions namely Malerkotla, Amargarh, and Ahmedgarh.

REGISTRATION METHOD

Trained field / social workers of the registry regularly visit the villages as well as different hospitals, pathology laboratories, medical colleges, cancer control cells, and the birth and death registrar office to collect cancer incidence and death cases. The registry staff interacts with the village Sarpanch, Auxiliary Nurse Midwife (ANM), ASHA workers, and primary health center staff periodically 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 to the patient. This information is further confirmed at the patient's treating hospital. After confirming the patient's residence (resident of the district for at least one year) and duplicate checking by senior staff, the case is registered in the prescribed format. The data entry is carried out in CanReg5 software. Due to regular interaction with the community, the registry could update the survival status of cancer patients. As of December 31, 2021, we have the survival status of more than 95% of cancer patients. This information will be utilized for cancer survival analysis.

Previously, there was no comprehensive cancer treatment facility in Sangrur district, forcing patients to travel significant distances—ranging from 60 km to 420 km—to access care in Bhatinda, Ludhiana, Bikaner, Chandigarh, Patiala, Hissar (Haryana), and Faridkot. However, since January 2015, HBCH has established the diagnosis and treatment facility in Sangrur district to improve access to cancer treatment for local patients.

RELEASE OF THE FOURTH ANNUAL REPORT OF THE SANGRUR CANCER REGISTRY

The fourth annual report of population-based cancer registry of Chandigarh and Punjab State was Virtual released on 8th February 2021 in the presence of Prof. (Dr.) Rakesh Kapoor, Director HBCH & RC Punjab, Prof. RA Badwe, Director–CCE TMC Mumbai, Prof. Dr. Atul Budukh Professor–CCE TMC Mumbai along with other dignitaries and dedicated Consultants of the Hospital.

ACHIEVEMENT

Sangrur cancer registry data (2015-2017) have been submitted and accepted for “**Cancer Incidence in Five Continents (CI5) Volume XII**” report by International Association of Cancer Registries (IACR).

RESULTS

The present report is based on the cancer registry results for the years 2019 and 2020. In the year 2019-2020, the cancer registry recorded 2883 incidence cases including 1414 males (49.0%) and 1469 females (51.0%). The age-adjusted incidence rate for males is 76.2 per 100,000 population and for females, it is 84.9 per 100,000 population. **The cumulative risk for the age group 0-74 in males is 8.8% (1 in 11 men is at risk of developing cancer) and in females, it is 9.5% (1 in 10 females is at risk of developing cancer).** In the year 2019-2020, the cancer registry recorded 2239 cancer deaths including 1210 deaths among males (54.1%) and 1029 deaths among females (45.9%). The age-adjusted mortality rate for males is 65.9 per 100,000 population and for females, it is 59.3 per 100,000 population. **The cumulative risk of death due to cancer in the age group 0-74 in males is 7.7% and for females, it is 6.9% (1 in 13 males and 1 in 14 females is at risk of death due to cancer).**

Due to improvements in the cancer registration process, the registry has reported 96 (Male: 30, Female: 26) late registration incidence cases of the year 2017-2018. After including the late registration cases, the age-adjusted incidence rate is 75.0 for males and 81.8 per 100,000 for females. In mortality, we have recorded 18 (Male: 11, Female: 7) late-registration mortality cases for the year 2017-2018. After including the late registration cases, the age-adjusted mortality rate for males is 57.4 and for females, it is 52.4 per 100,000.

The cancer incidence statistics in Sangrur remained unaffected during COVID-19 period, as the HBCH Sangrur hospital continued to operate throughout the pandemic, ensuring ongoing cancer care and diagnosis. Additionally, the process of cancer data collection was continuous with regular updates and monitoring maintained by the staff through telephones and emails. Thus, ensuring updated records and accuracy.

LEADING CANCER SITES

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

Table I: Leading cancer sites in males for the period 2019-2020

ICD 10	Site	Total	%	CR	AAR	TR
C22	Liver	163	11.5	8.4	9.2	20.3
C15	Esophagus	129	9.1	6.6	7.1	13.4
C61	Prostate	113	8.0	5.8	5.8	5.2
C33-C34	Trachea, bronchus and lung	85	6.0	4.4	4.7	10.2
C67	Bladder	59	4.2	3.0	3.2	5.7

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 females for the period 2019-2020

ICD 10	Site	Total	%	CR	AAR	TR
C50	Breast	409	27.8	23.7	23.6	55.5
C53	Cervix uteri	144	9.8	8.4	8.4	22.3
C15	Esophagus	126	8.6	7.3	7.2	12.2
C56	Ovary	124	8.4	7.2	7.1	14.5
C23-C24	Gallbladder etc.	82	5.6	4.8	4.8	10.1

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

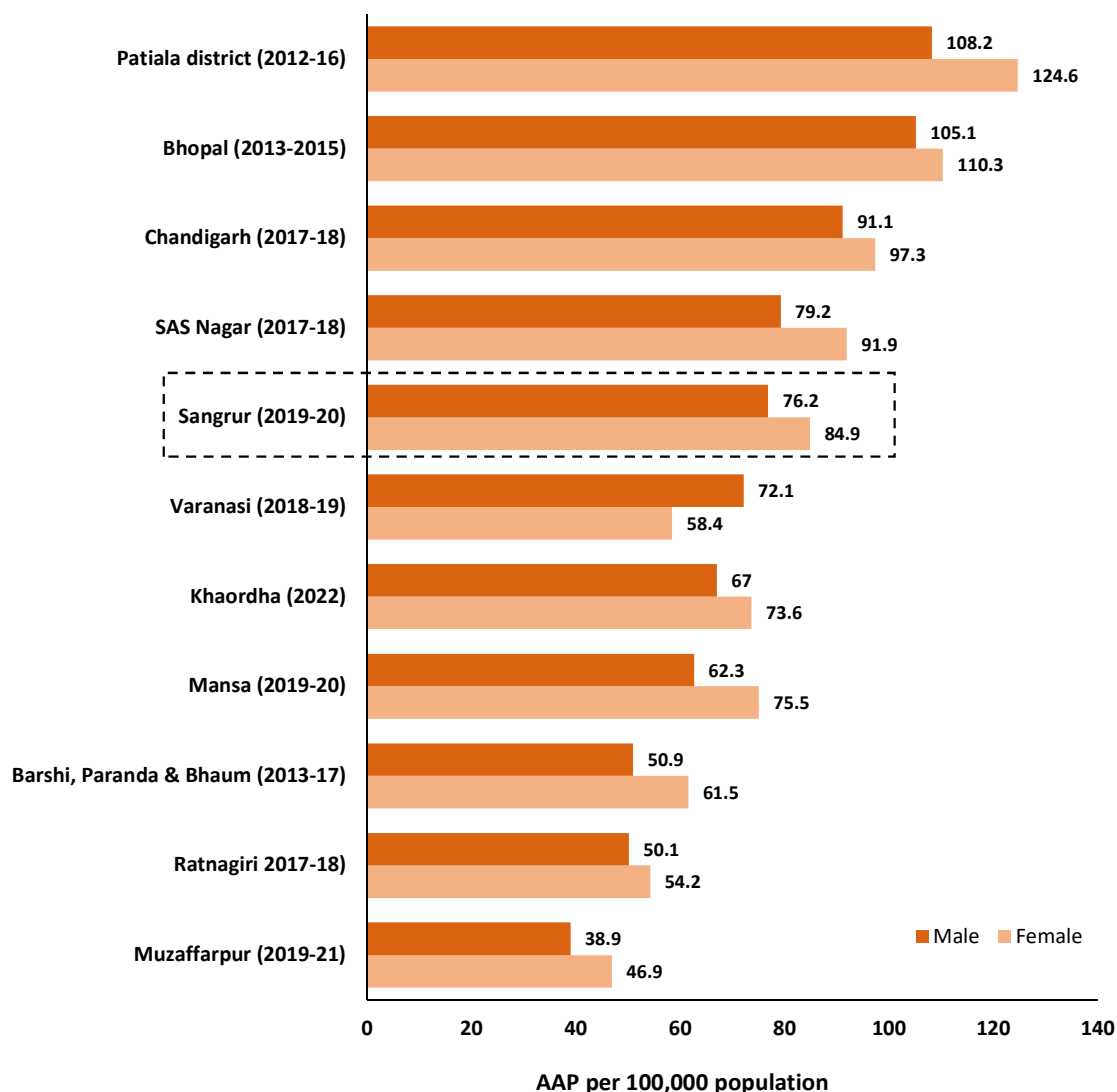
PRIMARY UNKNOWN CASES

In the year 2019-2020, 7.6% of primary unknown cases are in males while 4.7% of primary unknown cases in females were recorded. The primary site unknown cases are related to the quality of diagnostic information and the poor documentation of the medical records.

COMPARISON OF CANCER REGISTRY RATE WITH OTHER REGISTRIES IN INDIA

As compared to the other parts of the India, cancer incidence rates are lower and are comparable with other parts of rural India ⁽¹⁻⁶⁾.

Figure I: All site cancer incidence rate



CANCER CONTROL ACTIVITIES IN SANGRUR DISTRICT

The cancer registry is the first step in cancer control. The registry data has estimated the risk of developing cancer in males at 8.8% and females at 9.5%. The major cancers in the Sangrur district are breast, liver, esophagus, cervix uteri, mouth, and prostate. Most of these cancers are preventable. Based on observation from the registry, Tata Memorial Centre has started a satellite center in Sangrur and a comprehensive cancer center in New Chandigarh.

1. Punjab state profile

Punjab is situated in northwest India. The Indian state borders the Pakistani province of Punjab to the west, Jammu and Kashmir to the north, Himachal Pradesh to the northeast, Chandigarh to the east, Haryana to the south and southeast, and Rajasthan to the southwest. The total area of the state is 50,362 square kilometers. The population of the state is 27,743,338 (Census 2011) ⁷. Punjab's capital is Chandigarh, which is administered separately as a Union Territory since it is also the capital of the neighboring Haryana State.

As per the 2011 Census, Punjab has a total population of 27,743,338 out of which 14,639,465 are males and 13,103,873 are females. It constitutes 2.29% of the total population of India. The population density of Punjab is 550 people per sq. km. The population of Punjab according to the 2011 Census stands at about 27 million people, making it the 15th most populated state in India⁸.

The state is spread over an area of about 50,362 sq. km. making it the 20th 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 toward 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 1.⁸

Table 1: Punjab state population, literacy, and area in Sq. Km.

Sr. No.	Characteristics	Unit	Value
1.	Area		50,362
	(i) Rural-Area	Sq. Km	48,265
	(ii) Urban Area		2097
2.	Tehsils	Number	81
3.	Total Population (Census 2011)		277.04
	(i) Urban population	Lakh	103.8(37.5%)
	(ii) Rural Population		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 1,837,041 which is 6% of the total population 3,577,024 of Punjab state⁷⁻⁹. The location of the Sangrur district is presented in Figure 1.

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

Figure 1: Location of population-based cancer registry Sangrur district, Punjab



Table 2: Health blocks under Sangrur district

Subdivision / Tehsil	Number of villages
Amargarh	107
Bhawanigarh	68
Fatehgarh Panjgrian	100
Kauhrian	86
Longowal	68
Moonak	91
Sherpur	70
Total	590

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 blocks primary health centers, 28 mini primary health centers, and more than 196 sub-centers. Primary health care is offered at these hospitals. The Sangrur district hospital provides supportive services to cancer cases. Detailed information about the hospital and PHC is presented in table 3.

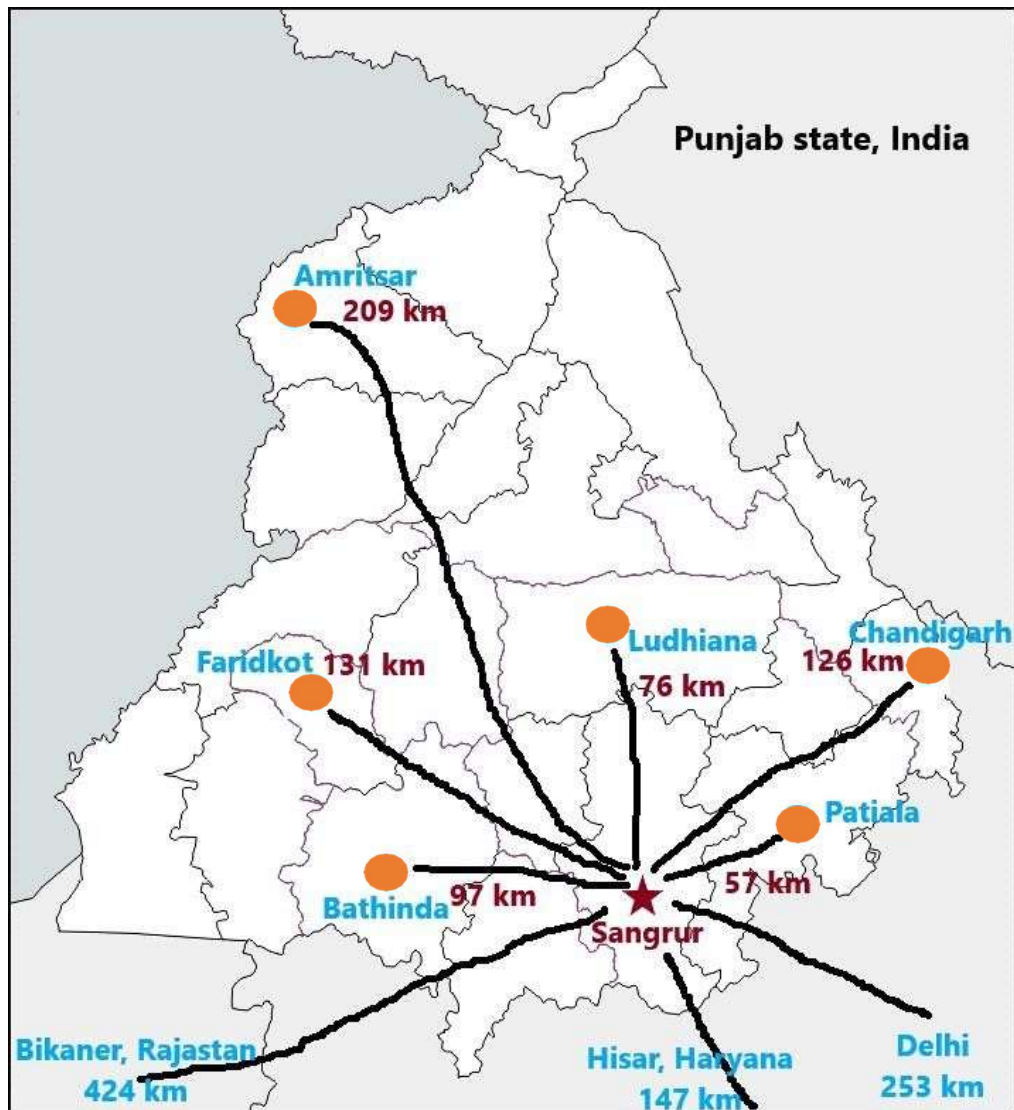
Table 3: Major health facilities in Sangrur district

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

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

Tata Memorial Centre, Mumbai – an autonomous unit of the Department of Atomic Energy, Government of India with the support of the Government of Punjab has started the Homi Bhabha Cancer Hospital (HBCH) in Sangrur district. The hospital started functioning in January 2015. The HBCH has surgical, radiotherapy, and medical oncology facilities. Until now, more than 10000 cancer patients have been treated. The hospital is listed in the government- sponsored scheme “Mukhmantri Punjab Cancer Rahat Kosh Scheme⁸” & AYUSHMAN Bharat – Sarb Sehat Vima Yojana (AB-SSBY) for cancer treatment¹⁰.

Figure 2: Distance from Sangrur to the cancer treatment centers



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 empaneled the Mukhmantri Punjab Cancer Rahat Kosh Schemes, to provide the data of cancer patients to the population- based cancer registries of Mansa, Sangrur, and SAS Nagar. Due to administrative support from the government of Punjab, the registry got good cooperation from all the government hospitals and the private impaneled hospitals.



NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF CANCER DIABETES, CARDIOVASCULAR DISEASES & STROKE

Directorate of Health & Family Welfare
Sector 34 A, Chandigarh

No.NPCDCS/Pb/2024/ Dated:-06-05-2024

To

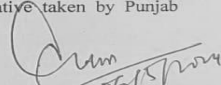
1. Civil Surgeons
Mohali, Sangrur, Mansa and Malerkotla.
2. All empanelled Hospitals.
Under Mukh Mantri Punjab Cancer Kosh Scheme.

Subject:- Population Based Cancer Registries (PBCR)- An initiative by Punjab Government in collaboration with Tata Memorial Centre, Mumbai and PGIMER, Chandigarh

Reference- Letter No NPCDCS/pb/2013 Dated 11.03.2013

Population Based Cancer Registry in Urban and Rural areas in Chandigarh, Mohali, Malerkota and Sangrur, Mansa, urban and rural respectively, has already operational since 1st Jan 2013. These registries are providing annual Cancer incidence, Mortality and trends of Cancer in Punjab.

For the above said purpose, the PGI/TMC teams will be visiting various institutions, Public and Private, in your area. As per the orders of Govt of Punjab in above reference letter, 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
NPCDS.

No.NPCDCS/Pb/2024 Dated 06.05.2024

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. PA to DHS, Chandigarh, Sector 16 for information of Worthy DHS, Chandigarh Please.
4. Civil Surgeon Mohali, Sangrur, Malerkotla and Mansa for information and necessary action.
5. All Empanelled Hospital (Public and Private) under Mukh Mantri Punjab Cancer Rahat Kosh.

State Programme Officer
NPCDS.

4. Population covered by cancer registry

Sangrur district is divided into seven health blocks: Moonak, Longowal, Bhawanigarh, Amargarh, Kauhrian, Sherpur, and Fatehgarh Panjgrian and Malerkotla District. As per the 2011 census, the total population covered was 1,837,041. Of the total population, 52.8% are males and 47% are females. Of the total population, 1,230,496 (68.8%) is rural and 558,015 (31.17%) is urban^{7,8}. The population as per the 2011 census is mentioned in Table 4.

Table 4: Sangrur district population as per census 2011

Area	No. of Households	Total	Male	Female	Area
Rural	217864	1263884	667959	596418	
Urban	101006	573157	301998	186176	
Total	318870	1837041	969957	867083	

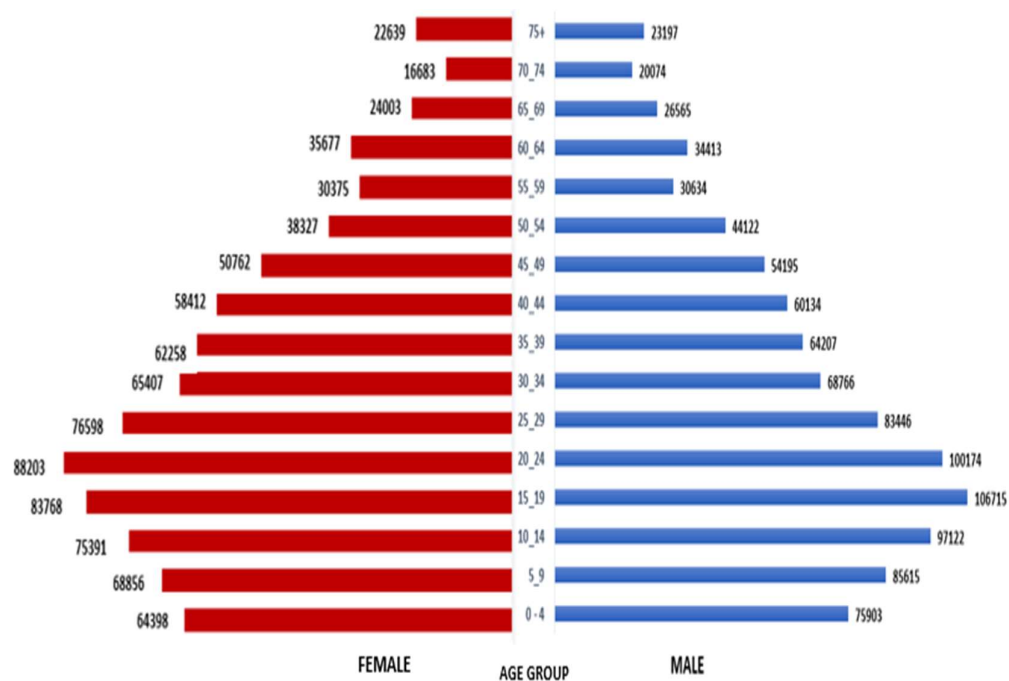
The estimated average population of Sangrur district: 2019-2020

The registry population for 2019-2020 was estimated by the exponential growth rate method by using the 2001 to 2011 census population. As of 2019-2020, there are 945,505 males and 843,007 females. More than 65% of the population is rural and depends on agricultural activities. The estimated population for 2019-2020 is presented in Table 5. The population pyramid of the Sangrur district is shown in Figure 3.

Table 5: Estimated average population of Sangrur district: 2019-2020

Age group	Male Number	%	Female Number	%	Total Number	%
0-4	75903	7.8	64398	7.5	140301	7.6
05-09	85615	8.8	68856	8.0	154471	8.4
10-14	97122	10.0	75391	8.7	172514	9.4
15-19	106715	10.9	83768	9.7	190483	10.4
20-24	100174	10.3	88203	10.2	188378	10.3
25-29	83446	8.6	76598	8.9	160043	8.7
30-34	68766	7.1	65407	7.6	134173	7.3
35-39	64207	6.6	62258	7.2	126465	6.9
40-44	60134	6.2	58412	6.8	118546	6.5
45-49	54195	5.6	50762	5.9	104957	5.7
50-54	44122	4.5	38327	4.4	82450	4.5
55-59	30634	3.1	30375	3.5	61009	3.3
60-64	34413	3.5	35677	4.1	70090	3.8
65-69	26565	2.7	24003	2.8	50568	2.8
70-74	20074	2.1	16683	1.9	36757	2.0
75+	23197	2.4	22639	2.6	45836	2.5
Total	975282	100	861759	100	1837041	100

Figure 3: Population pyramid of Sangrur district: 2019-2020



5. Cancer registration method

CANCER INCIDENCE CASES

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

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

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

CANCER PREVALENCE CASES

During the field visit, sometimes field staff come across cases diagnosed before 2019. The field staff takes detailed information about the cancer case from the patient's relative and maintains the data in the registry office. During the second visit, field staff updates the status of the cancer cases. If there is any death of the prevalent case in that year, then the cancer death is registered after matching the information with the registry record.

DATA CHECKING

All the cases collected by field 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 are coded based on the International Classification of Diseases on Oncology – Third Edition, Geneva, 2000 (ICD-O3)¹¹.

DATA ENTRY

The data entry is carried out in CanReg5 software developed by the International Agency for Research on Cancer, Lyon, France¹². After duplicate checking and other quality measures, cancer incidence and death cases are registered. The cancer registration process of the registry is presented in Figure 4.

CANCER CASES DATA COLLECTION FROM DIFFERENT HOSPITALS

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

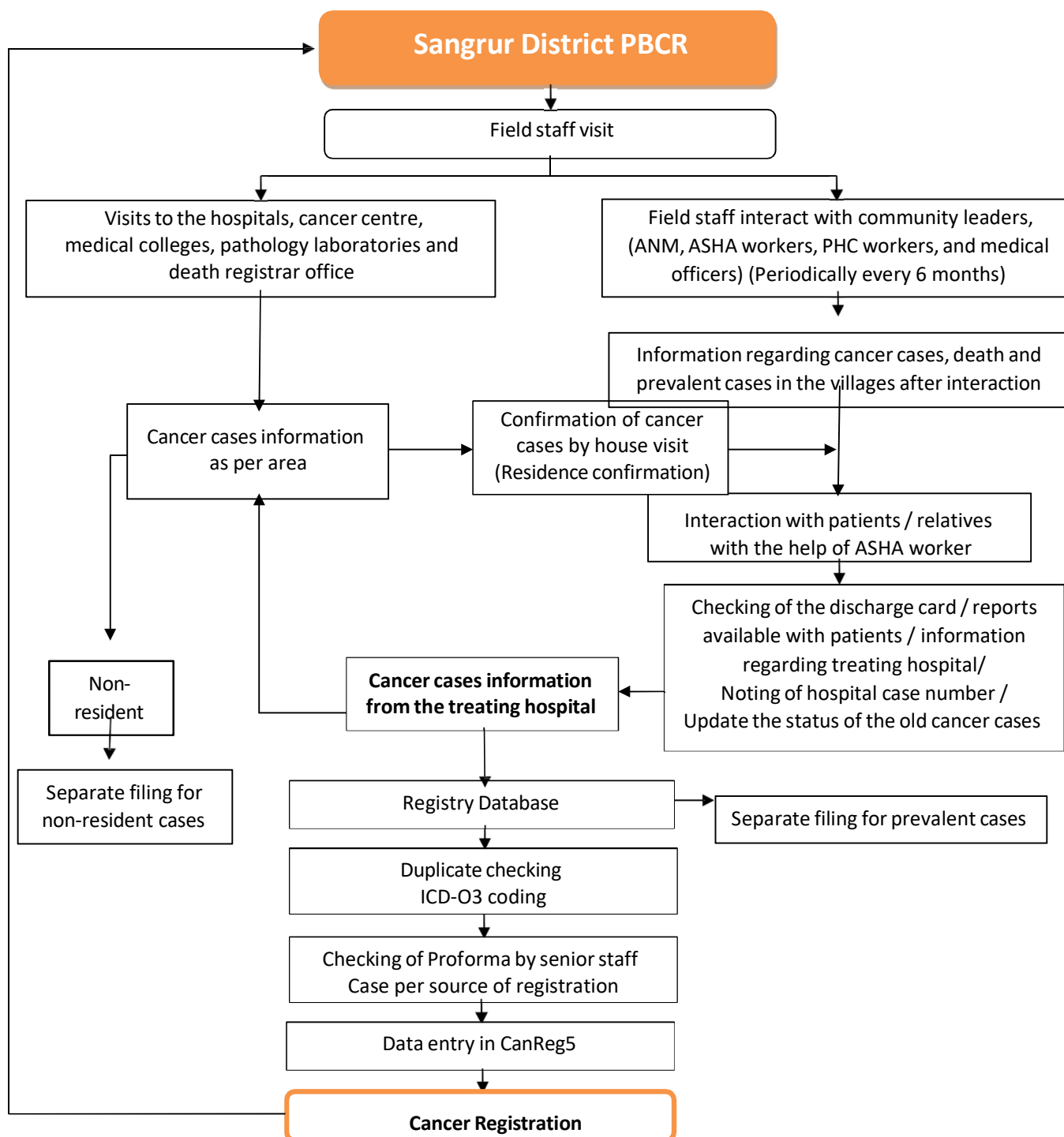
Table 6: Different sources of data collection

Sr. No.	Institution Name	Place
1	Post Graduate Institute of Medical Education and Research (PGIMER)	Chandigarh
2	Government Medical College and Hospital, Sector 32	Chandigarh
3	Government Multi Specialty Hospital, Sector- 16	Chandigarh
4	Homi Bhabha Cancer Hospital	Sangrur
5	Civil Hospital	Sangrur
6	Births and Deaths Registrar	Sangrur

Sr. No.	Institution Name	Place
7	Poonam Lab	Sangrur
8	Sodhi Scan Centre	Sangrur
9	Cancer Cell	Sangrur
10	Harbansh Ultrasound and CT Scan Centre	Sangrur
11	Savi Path Lab	Sangrur
12	Grewal Health Clinic	Sangrur
13	Sibia Health Care	Sangrur
14	Jindal Ultrasound Centre	Sangrur
15	Grecian Super Specialty Hospital	SAS Nagar
16	Fortis Hospital	SAS Nagar
17	Indus Hospital	SAS Nagar
18	IVY Hospital	SAS Nagar
19	Max Hospital	SAS Nagar
20	Behgal Hospital	SAS Nagar
21	Mohan Dai Oswal Cancer Hospital	Ludhiana
22	Dyanand Medical College & Hospital	Ludhiana
23	Christian Medical College & Hospital	Ludhiana
24	Fortis Hospital	Ludhiana
25	Community Health Centre	Ahmedgarh
26	Births and Deaths Registrar	Ahmedgarh
27	Community Health Centre	Amargarh
28	Births and Deaths Registrar	Amargarh
29	Gian Sagar Medical College and Hospital	Banur
30	Max Super Speciality Hospital	Bathinda
31	Community Health Centre	Bhawanigarh
32	Births and Deaths Registrar	Bhawanigarh
33	Births and Deaths Registrar	Bhawanigarh
34	Acharaya Tulsi Regional Cancer Treatment Centre & Research Institute	Bikaner
35	Births and Deaths Registrar	Cheema
36	Births and Deaths Registrar	Dhuri

Sr. No.	Institution Name	Place
37	Civil Hospital	Dhuri
38	Births and Deaths Registrar	Dirba
39	Guru Gobind Singh Medical College & Hospital	Faridkot
40	Primary Health Centre	Fatehgarh Panjgrian
41	O.P Jindal Institute of Medical Sciences	Hisar
42	Life Line Care Hospital/ Aadhar Health Institute	Hisar
43	Community Health Centre	Kauhrian
44	Births and Deaths Registrar	Khanauri
45	Community Health Centre	Lehragaga
46	Births and Deaths Registrar	Lehragaga
47	Community Health Centre	Longowal
48	Births and Deaths Registrar	Malerkotla
49	Hazrat Haleema Hospital	Malerkotla
50	Civil Hospital	Malerkotla
51	Births and Deaths Registrar	Moonak
52	Sub Divisional Hospital	Moonak
53	Amar Hospital	Patiala
54	Government Medical College/ Rajindra Hospital	Patiala
55	Patiala Surgical Centre	Patiala
56	Government Dental College	Patiala
57	Onco Path Lab	Patiala

Figure 4: Cancer registration method



6. Community involvement in the cancer registration process

The cancer patients from this area travel 60 km to 420 km for cancer treatment. It is practically difficult for the registry staff to visit these entire centers regularly. The Punjab Government has conducted a door-to-door campaign and household survey to know the prevalence of cancer in each district of the state¹². Due to this program, the community leaders are aware of the importance of the disease and the cancer registration process. The primary health center staff, ASHA workers, and Anganwadi workers cooperate by providing information on newly diagnosed cancer/cancer deaths that have occurred in the village. The trained field staff from the registry continuously interacts with these community members to obtain information regarding cancer cases in the villages.

Community interaction enabled the registry to confirm the residence of cancer cases. Interaction with the patient/ patient's relatives provides demographic information such as education, income, religion, etc. Regular village visits and communications with the community have enabled the registry to update the status of cancer patients, which will be utilized for cancer survival analysis. Two major cancer centers were initially reluctant to share the cancer case data, however, field visits and support from the community members and leaders enabled the registry to receive data and further reach the cancer patients/their relatives from these centers. In the year 2019-2020, the registry interacted with 4172 community leaders of 595 villages and 979 stakeholders in 106 wards in urban blocks.

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

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

Block Name	Total No. of Villages	Sarpanch/ MC	SMO	MO	BEE	CHO	ANM	ASHA Workers	Anganwadi workers	MPHW	Other	Total
Sherpur	70	71	1	4	1	17	35	155	169	24	23	570
Kauhrian	87	100	2	7	1	35	48	225	217	31	35	788
Moonak	91	129	2	9	1	14	36	215	54	30	17	598
Longowal	72	100	1	9	1	17	32	165	99	24	7	527
Amargarh	107	55	1	4	1	17	29	148	45	25	27	459
Bhawanigarh	68	81	1	5	1	13	21	110	129	15	21	465
Fatehgarh Panjgarian	100	116	1	3	0	18	17	130	345	20	15	765
Total	595	652	9	41	6	131	218	1148	1058	169	145	4172

URBAN	Total No. of Villages	Sarpanch / MC	SMO	MO	BEE	CHO	ANM	ASHA Workers	Anganwadi workers	MPHW	Other	Total
Sangrur	29	29	1	6	-	-	6	24	92	1	5	193
Sunam	23	23	1	10	-	-	7	23	88	2	-	177
Malerkotla	33	33	1	7	-	-	8	59	122	-	15	278
Dhuri	21	21	1	14	-	-	3	16	64	-	9	149
Total	106	106	4	37	0	0	24	122	366	3	29	797

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

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 2019-2020, 2883 incident cancer cases 1414 males (49.0%) and 1469 females (51.0%) have been registered by PBCR Sangrur. For the same period, 2239 cancer deaths have been registered 1210 males (54.1%) and 1029 females (45.9%). The overall mortality to incidence ratio is 0.776 (77.6%); for males it was 0.855 (85.5%) and females the ratio was 0.699 (70%). The MI ratio is good and comparable to other established rural PBCRs in India.¹⁻⁶

RE-ABSTRACTION OF THE CASES

A quality control exercise was carried out the improvement the records and retrain the staff if required. The CCE-TMC team checked all cancer case data. During the quality control exercise, we observed minor errors. The error was corrected and training was provided to the staff. The data were modified and re-entered.

INCIDENCE RATES OF CHILDHOOD CANCERS

In the year 2019-2020, we registered 20 cancer cases in boys and 22 in girls. The age-specific rates reported for pediatric cancer per million are mentioned in table 8.

Table 8: Incidence rate of pediatric cancer cases in Sangrur district: 2019-2020

Age group	Boys		Girls	
	Number of Cases	Age Specific Rate	Number of Cases	Age Specific Rate
0 – 4	5	32.9	8	62.1
5 – 9	10	58.4	8	58.1
10 – 14	5	25.7	6	39.8
Age Adjusted Rate per 1,000,000 population (AAR per million)	39.1		52.6	

The age-adjusted incidence rate for the pediatric age group (0-14) was 39.1 per million for boys and 52.6 per million for girls. As per the International Incidence of Childhood Cancer (IICC) volume III, the incidence rate for boys and girls is lowers indicating, that we may have missed the cases in boys and girls¹⁴. The microscopic confirmation was 80 % in children between (0-19 years) i.e. 87.1% in boys and 72.4% in girls.

MICROSCOPIC VERIFICATION OF THE CASES

In the year 2019-2020, out of 1414 male cases, 1070 (75.7%) cases were diagnosed with microscopic verification, 14.3% of cases were diagnosed based on radiological findings and 3.2% of cases were diagnosed clinically. In females, out of 1469 cases, we have 1204 (82%) cases diagnosed with microscopic verification, 10.6% of cases were diagnosed on radiological findings and 1.8% of cases were diagnosed clinically. Most of the other and unspecified cases were diagnosed with radiological findings (e.g. lymph node, primary site unknown cases).

DEATH CERTIFICATE ONLY (DCO) CASES

We have registered 48 (3.4%) cases in males and 45 (3.1%) cases in females under the DCO/other categories. The death cases have been registered based on the narration/relative remarks/discharge summary available with the patient's relative. In principle, they are not registered based on the death certificate only because the death certificate does not have the documentation of cancer death.

PER SOURCE CASE REGISTRATION

We have also seen the number of sources per incidence case registered. The cases were counted as per source notification. In Sangrur, the average number of sources per case registered is 3.7. The coverage of the sources by the registry has become higher. Due to field interaction, the case coverage is high.

Table 9: Per case source registration in Sangrur district: 2019-2020

Source	Number of cases confirm
Source 1	2883
Source 2	2880
Source 3	2480
Source 4	1561
Source 5	737
Source 6	261
Source 7	79
Source 8	17
Source 9	7
Source 10	1
Total sources	10,906
Per source of registration	3.8 10,906/2883

8. Cancer cases registered by the source of registration: First source of information

Homi Bhabha Cancer hospital Sangrur is the first source of information for 68.4% of incidence cases. As compared to the previous year, the first source of registration as a house visit has reduced from 9.7% to 4.9%, where in 35.8% of cancer death, a village visit is the first source of information. The establishment of the HBCH Sangrur hospital has boosted cancer registration. The cancer incidence and death cases registered by the source of registration are mentioned in Table 9 and 10.

Table 10: Cancer cases information by the first source of cancer registration

Sr.No.	Source of registration	Male		Female		Total	
		Number	%	Number	%	Number	%
1	Homi Bhabha Cancer Hospital, Sangrur	936	66.1	1036	70.5	1972	68.4
2	Birth & Death Registrar office, Civil Surgeon, Sangrur	148	10.5	125	8.5	273	9.5
3	Home Visit	80	5.7	62	4.2	142	4.9
4	Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh						
		63	4.5	41	2.8	104	3.6
5	Dayanand Medical College & Hospital, Ludhiana	39	2.8	38	2.6	77	2.7
6	Rajindra Hospital, PATIALA	33	2.3	26	1.8	59	2
7	Poonam Path Lab, Sangrur	11	0.8	29	2	40	1.4
8	Cancer Cell, Sangrur(MMPCRKS)	22	1.6	18	1.2	40	1.4
9	EDP, HBCH, Sangrur	10	0.7	11	0.7	21	0.7
10	Amar Hospital, Patiala	11	0.8	9	0.6	20	0.7
11	Government Medical College and Hospital, SEC 32, Chandigarh	7	0.5	6	0.4	13	0.5
12	Mohandai Oswal Cancer Hospital, Ludhiana	6	0.4	9	0.6	15	0.5
13	Guru Gobind Singh Medical College & Hospital, Faridkot	6	0.4	6	0.4	12	0.4
14	Fortis Hospital, Mohali	4	0.3	6	0.4	10	0.3
15	Forties Hospital, Ludhiana	6	0.4	6	0.4	12	0.4

Sr. No.	Source of registration	Male		Female		Total	
		Number	%	Number	%	Number	%
17	Christian Medical College & Hospital, Ludhiana	3	0.2	4	0.3	7	0.2
18	Indus Hospital SCF 99-100, Mohali	3	0.2	1	0.1	4	0.1
19	MAX Multi-speciality Hospital, Mohali	2	0.1	2	0.1	4	0.1
20	Manipal, Columbia Asia, Patiala	1	0.1	3	0.2	4	0.1
21	Sarvodya Hospital, Hissar	2	0.1	2	0.1	4	0.1
22	Sodhi Scan Centre Hospital, Sangrur	1	0.1	3	0.2	4	0.1
23	Behgal Cancer and Surgical Centre, Mohali	2	0.1	1	0.1	3	0.1
24	Sandhu Hospital, Ludhiana	1	0.1	2	0.1	3	0.1
25	Other Sources	12	1.1	20	1.4	32	1.2
Total		1414	100	1469	100	2883	100

Table 11: Cancer death information by the first source of cancer registration

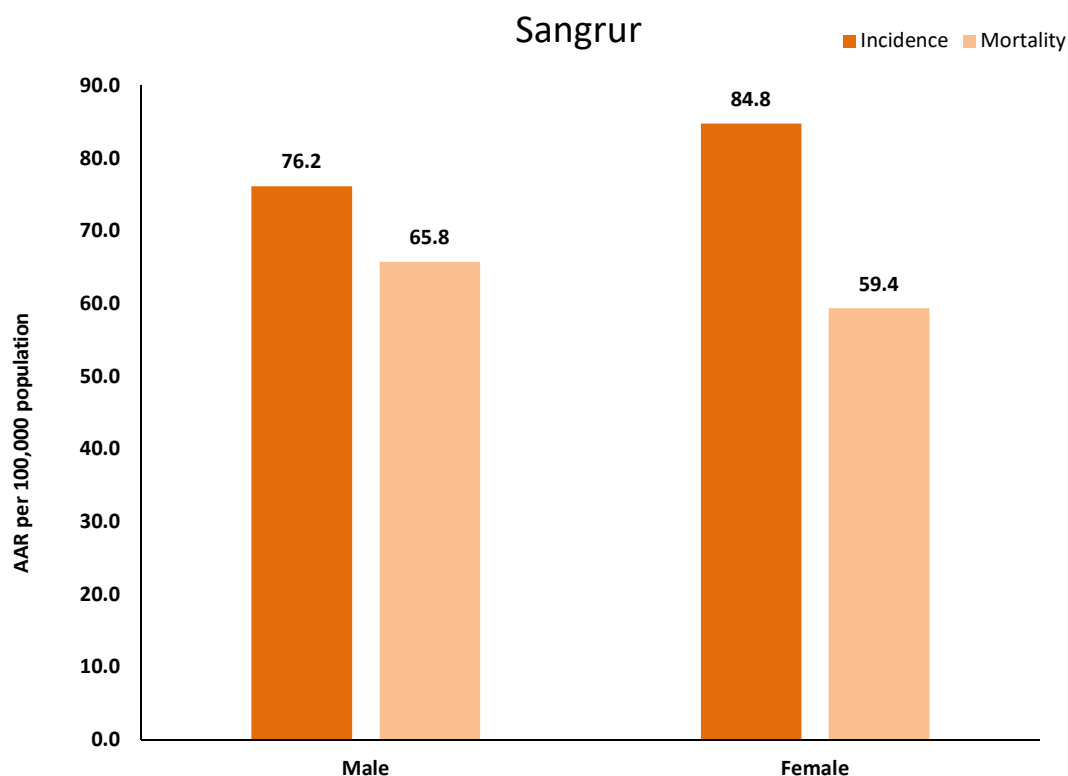
Sr. No.	Source of registration	Male		Female		Total	
		Number	%	Number	%	Number	%
1	Birth & Death Registrar Office, Civil Surgeon, Sangrur Civil Surgeon, Sangrur	125	53.2	113	48.3	238	50.7
2	Home Visit	79	33.6	89	38	168	35.8
3	Homi Bhabha Cancer Hospital, Sangrur	17	7.2	23	9.8	40	8.5
4	EDP, HBCH, SANGRUR	9	3.8	6	2.6	15	3.2
5	Civil Hospital, Malerkotla	2	0.9	0	0	2	0.4
6	Civil Hospital, SANGRUR	0	0	1	0.4	1	0.2
7	Indus Hospital SCF 99-100, MOHALI	0	0	1	0.4	1	0.2
8	Mohandai Oswal Cancer Hospital, LUDHIANA	0	0	1	0.4	1	0.2
9	Post Graduate Institute of Medical Education and Research (PGIMER), CHANDIGARH	1	0.4	0	0	1	0.2
10	Mukh Mantri Rahat Kosh Scheme (CANCER CELL) SANGRUR	1	0.4	0	0	1	0.2
11	Christian Medical College & Hospital, Ludhiana	1	0.4	0	0	1	0.2
Total		235	100	234	100	469	100

9.Cancer incidence and mortality: All sites

In the year 2019-2020, the Sangrur cancer registry 2883 cancer cases were registered, in which 1469(51.0%) cases were of females and 1414 (49.0%) cases were of males. The Age-Adjusted Rate (AAR) for females was 84.9 per 100,000 population and for males it was 76.2 per 100,000 population.

Similarly, the year 2019-2020, the Sangrur cancer registry registered 2239 death cases, in which 1029 (45.9%) cases were of females and 1210 (54.1%) cases were of males. The Age-Adjusted Rate (AAR) for females was 59.3 per 100,000 population and for males it was 65.8 per 100,000 population. The cancer incidence and mortality rates for all sites for males and females are presented in Figure 5.

Figure 5: All sites cancer incidence and mortality rate by sex: 2019-2020



10. Leading cancer sites by gender

In males, the liver, esophagus, prostate, lung, tongue, urinary bladder, mouth, brain, larynx, and non-hodgkins lymphoma are the leading cancer sites. The top ten leading cancer site rates are presented in Figure 6. In females, the breast, cervix uteri, esophagus, ovary, gall bladder, liver, corpus uteri, lung, kidney and colon are the leading cancer sites. The top 10 leading cancer sites are presented in Fig. 7

Figure 6: Leading cancer sites in males: 2019-2020

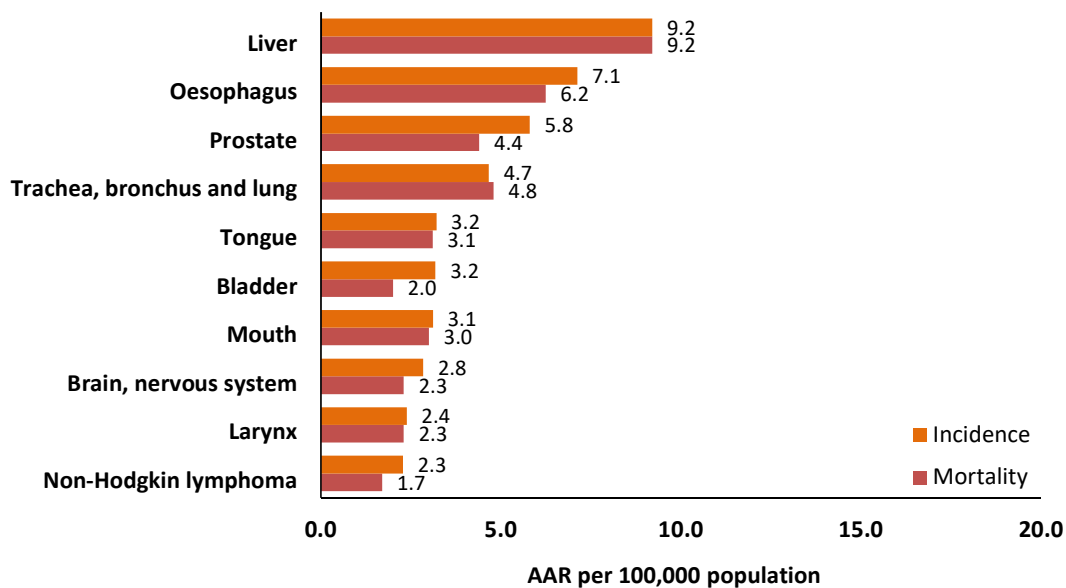
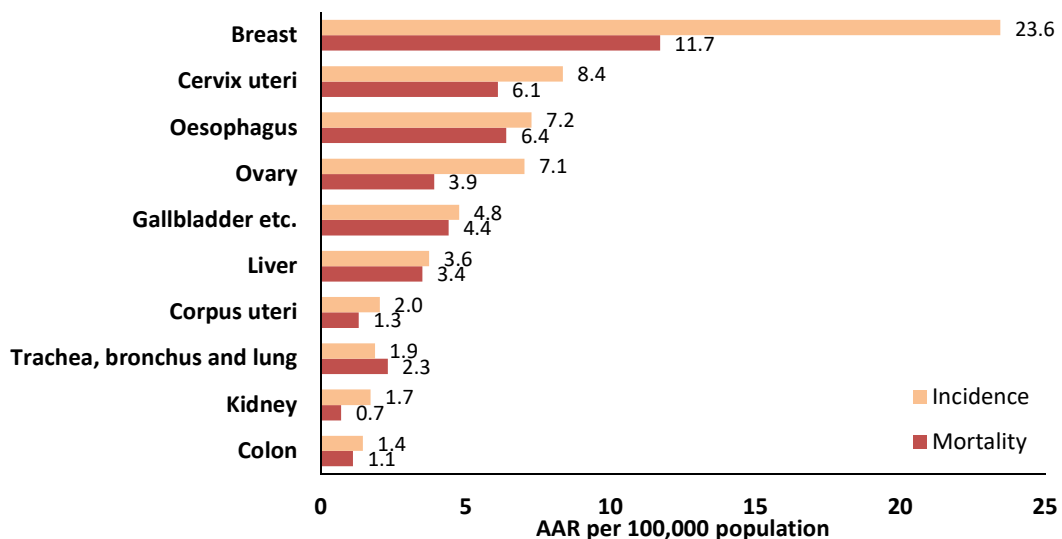


Figure 7: Leading cancer sites in females: 2019-2020



Comparison of Sangrur's leading cancer sites with other Indian registries

The site-wise cancer cases details are shown in respective tables below with crude rate, age-adjusted incidence rate, and truncated rate. The age-specific incidence rate for males and females for each site, as well as comparisons with other Indian registries, are also depicted in the respective figures below.

CANCER OF THE LIVER (C22)

	Male	Female
Number of cases	163	60
Percentage (%)	11.5	4.1
Crude incidence rate (CR)	8.4	3.5
Age-adjusted rate (AAR)	9.2	3.6
Truncated rate (TR)	20.3	6.3

Figure 8: Age-specific incidence rate of liver cancer (Sangrur district): 2019-2020

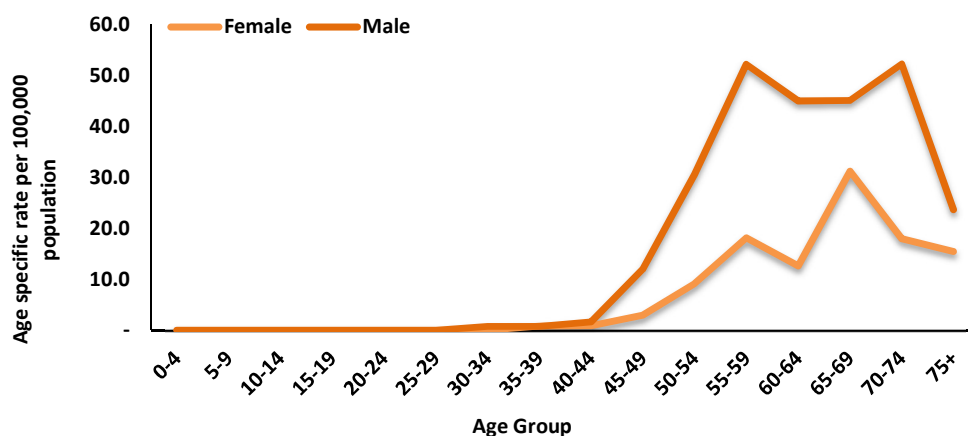
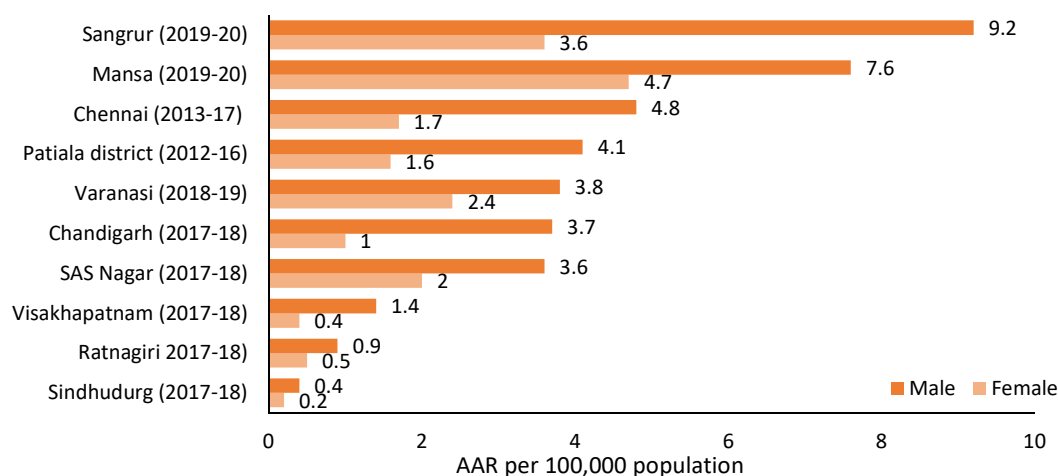


Figure 9: Comparison of liver cancer incidence rate with other Indian registries



CANCER OF THE OESOPHAGUS (C15)

	Male	Female
Number of cases	129	127
Percentage (%)	9.1	8.6
Crude incidence rate (CR)	6.6	7.4
Age-adjusted rate (AAR)	7.1	7.2
Truncated rate (TR)	13.4	12.2

Figure 10: Age-specific incidence rate of Oesophagus cancer (Sangrur district): 2019-2020

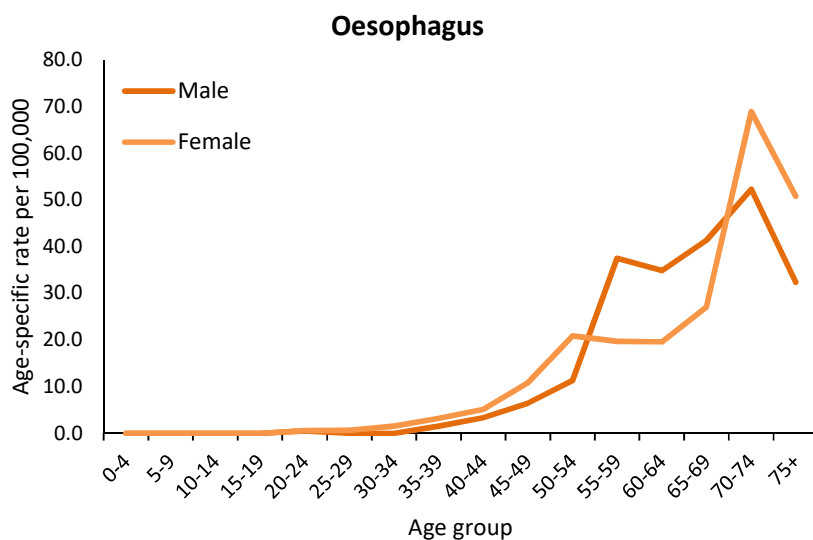
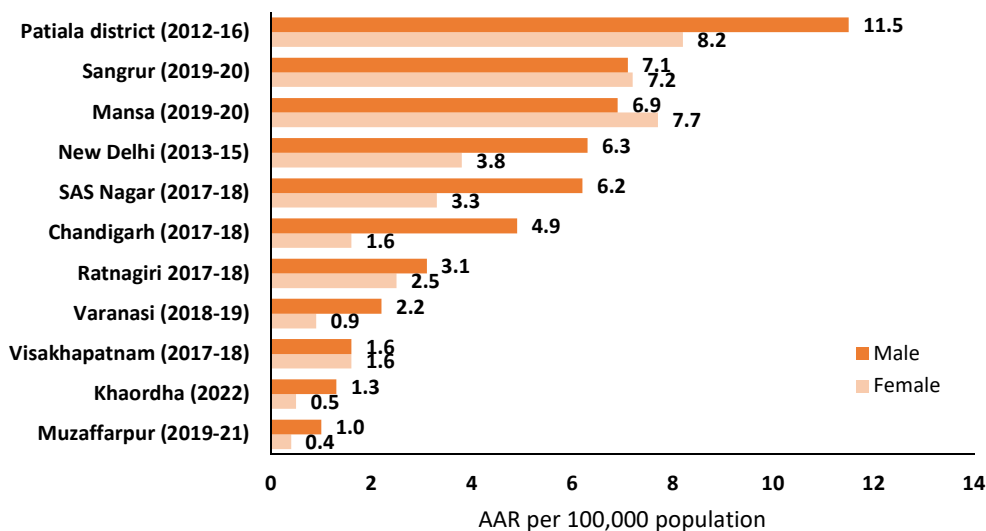


Figure 11: Comparison of esophagus cancer incidence rate with other Indian registries



CANCER OF THE LUNG (C33-C34)

	Male	Female
Number of cases	85	33
Percentage (%)	6.0	2.2
Crude incidence rate (CR)	4.4	1.9
Age-adjusted rate (AAR)	4.7	1.9
Truncated rate (TR)	10.2	3.6

Figure 12: Age-specific incidence rate of cancer of lung cancer (Sangrur district): 2019-2020

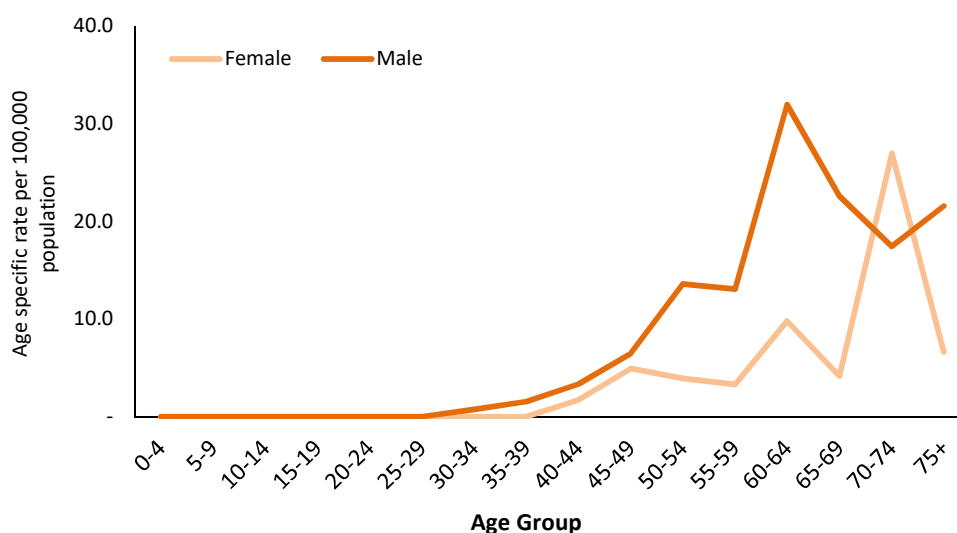
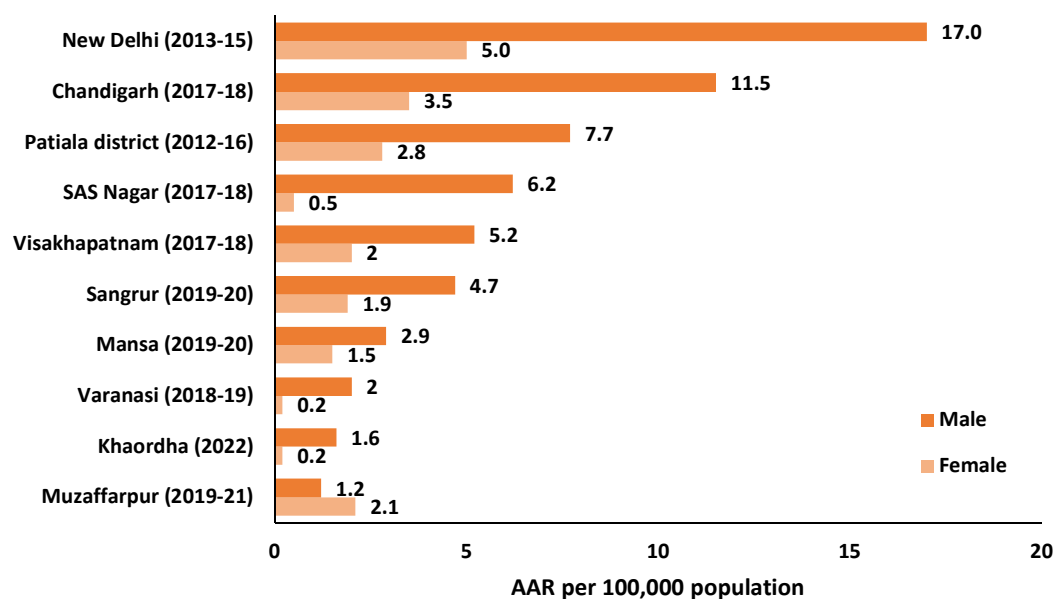


Figure 13: Comparison of lung cancer incidence rate with other Indian registries



CANCER OF THE GALL BLADDER (C23-C24)

	Male	Female
Number of cases	33	82
Percentage (%)	2.3	5.6
Crude incidence rate (CR)	1.7	4.8
Age-adjusted rate (AAR)	1.8	4.8
Truncated rate (TR)	2.3	10.1

Figure 14: Age-specific incidence rate of cancer of gall bladder cancer (Sangrur district): 2019-2020

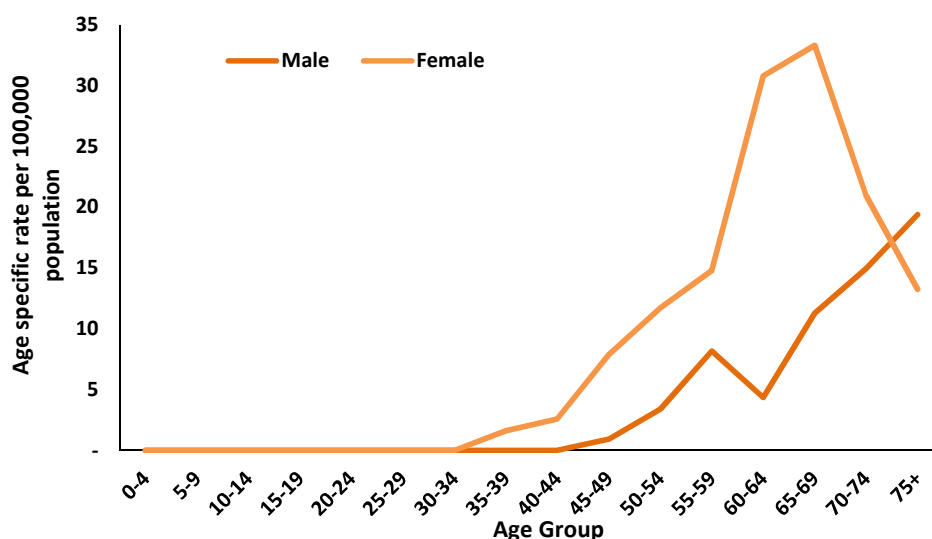
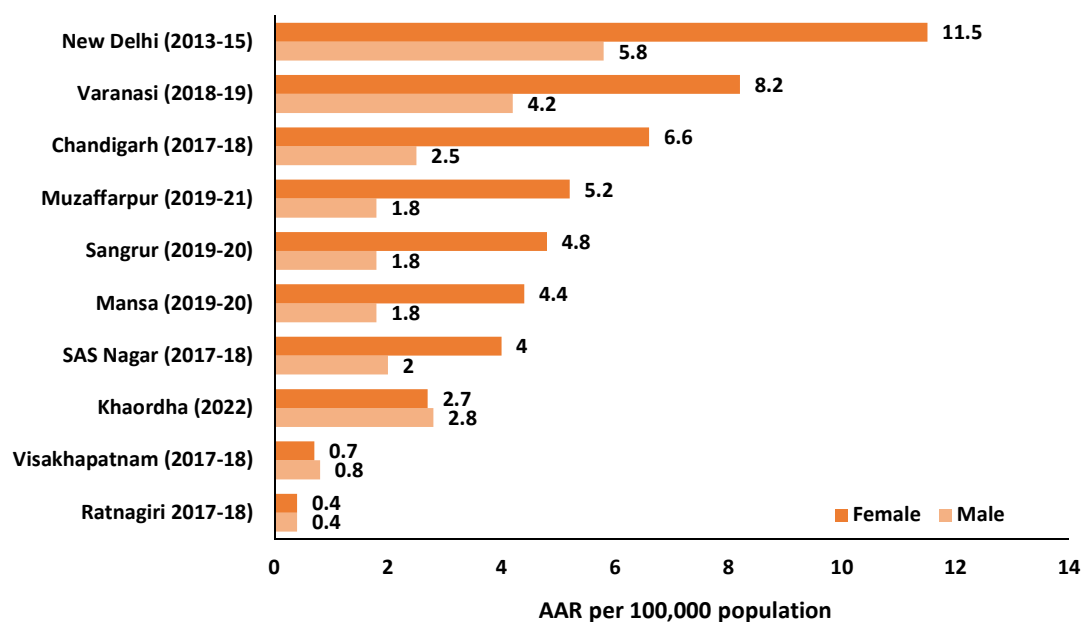


Figure 15: Comparison of gall bladder cancer incidence rate with other Indian registries



CANCER OF THE PROSTATE (C61)

	Male
Number of cases	113
Percentage (%)	8.0
Crude incidence rate (CR)	5.8
Age-adjusted rate (AAR)	5.8
Truncated rate (TR)	5.2

Figure 16: Age-specific incidence rate of cancer of prostate cancer (Sangrur district): 2019-2020

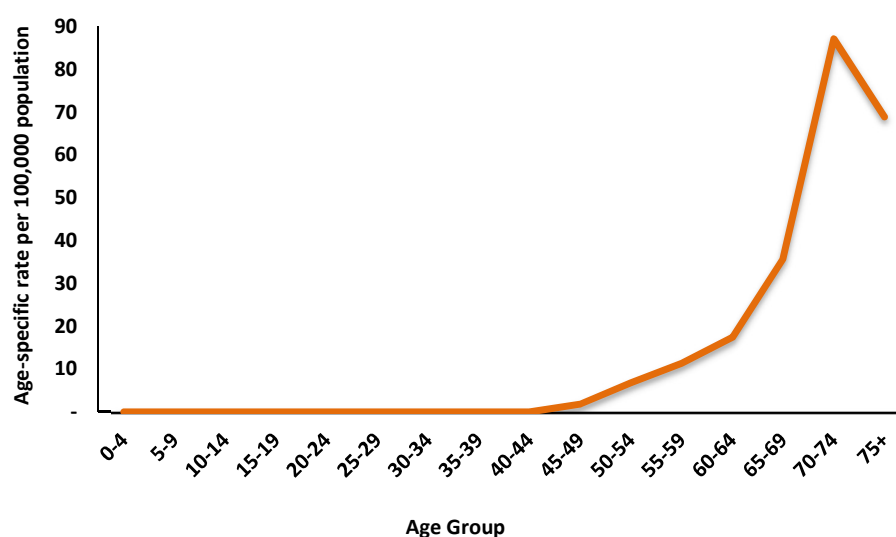
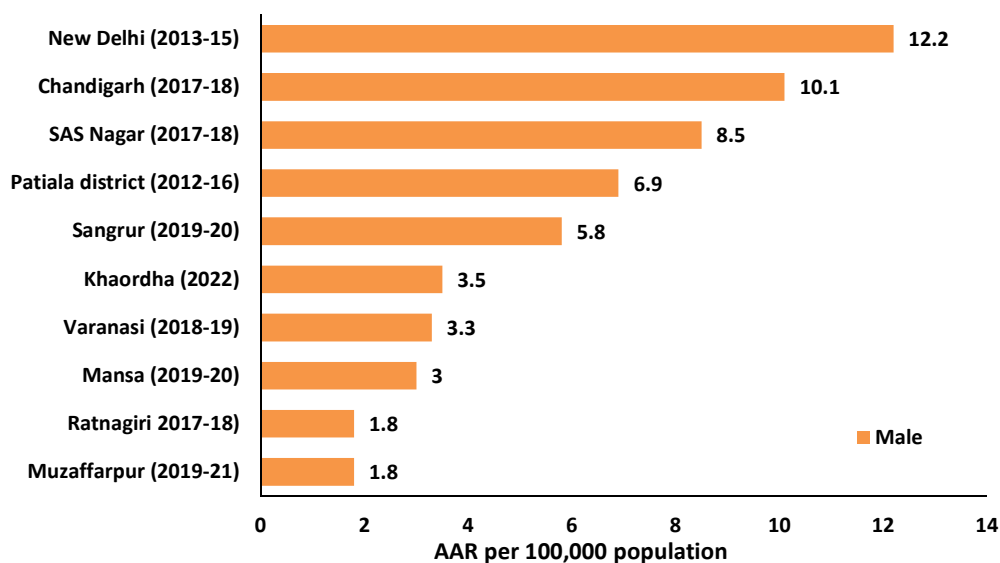


Figure 17: Comparison of prostate cancer incidence rate with other Indian registries



CANCER OF THE BREAST (C50)

	Female
Number of cases	409
Percentage (%)	27.8
Crude incidence rate (CR)	23.7
Age-adjusted rate (AAR)	23.6
Truncated rate (TR)	55.5

Figure 18: Age-specific incidence rate of cancer of breast cancer (Sangrur district): 2019 - 2020

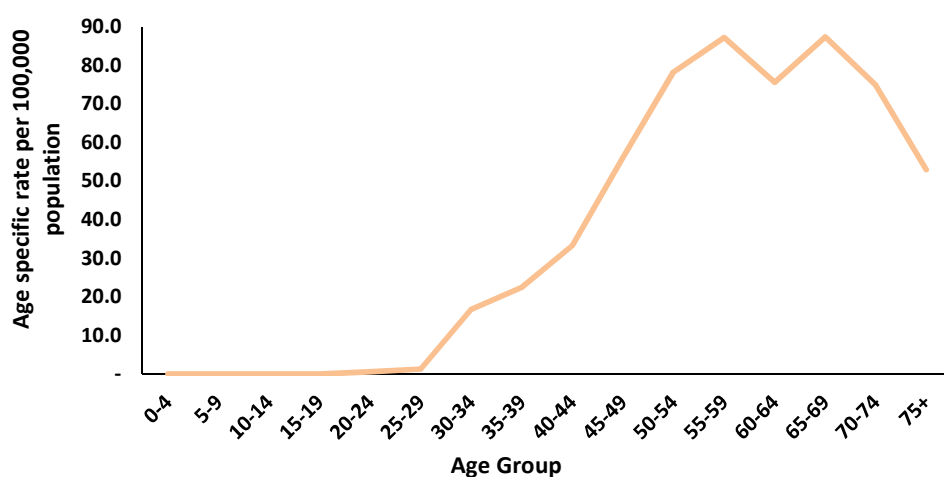
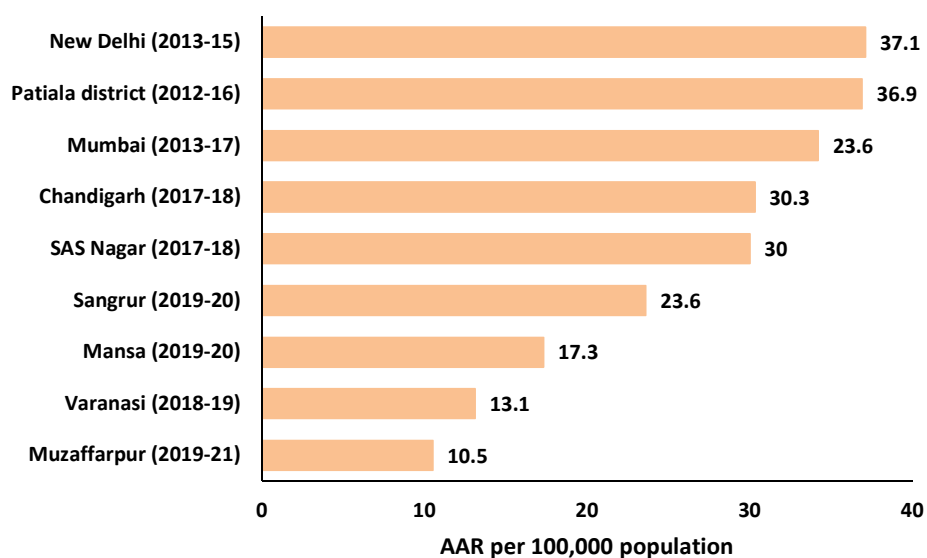


Figure 19: Comparison of breast cancer incidence rate with other Indian registries



CANCER OF CERVIX UTERI (C53)

Female	
Number of cases	144
Percentage (%)	9.8
Crude incidence rate (CR)	8.4
Age-adjusted rate (AAR)	8.4
Truncated rate (TR)	22.3

Figure 20: Age-specific incidence rate of cancer of cervix uteri cancer (Sangrur district): 2019- 2020

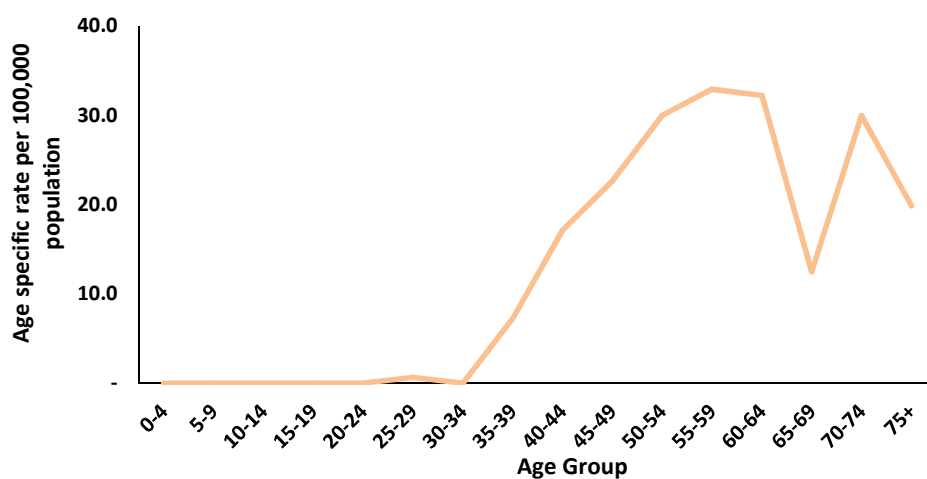
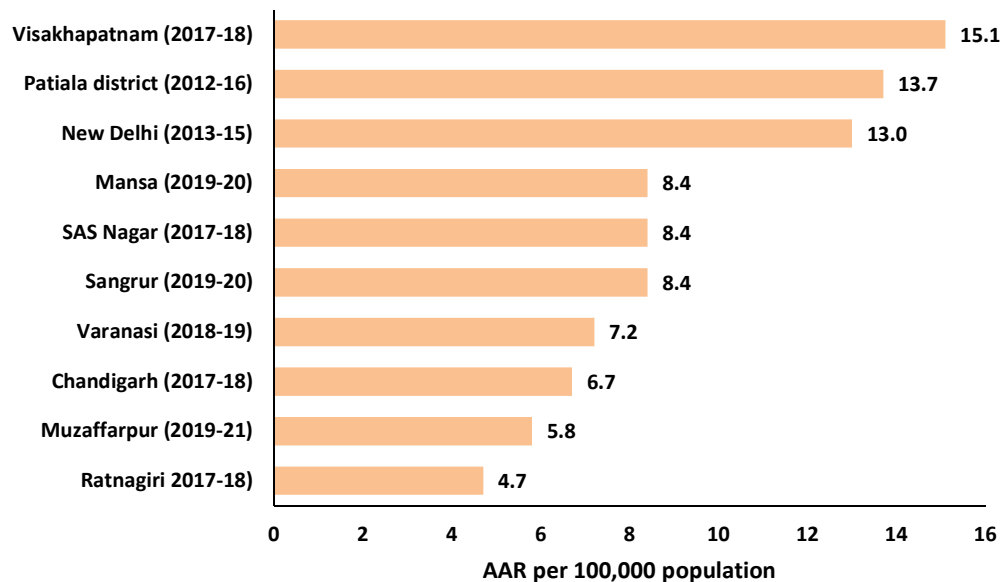


Figure 21: Comparison of cervix uteri cancer incidence rate with other Indian registries



CANCER OF THE OVARY (C56)

Female	
Number of cases	124
Percentage (%)	8.4
Crude incidence rate (CR)	7.2
Age-adjusted rate (AAR)	7.1
Truncated rate (TR)	14.5

Figure 22: Age-specific incidence rate of ovarian cancer (Sangrur district): 2019- 2020

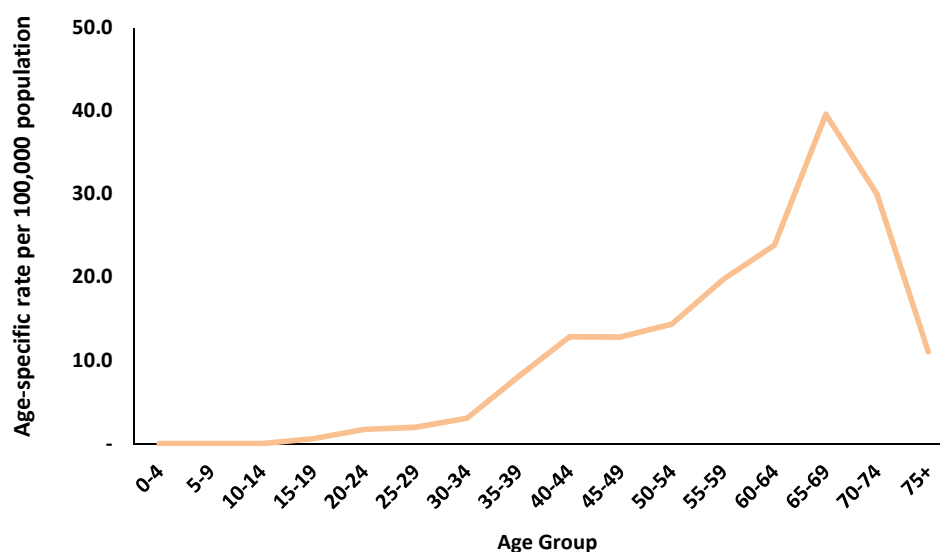


Figure 23: Comparison of ovarian cancer incidence rate with other Indian registries

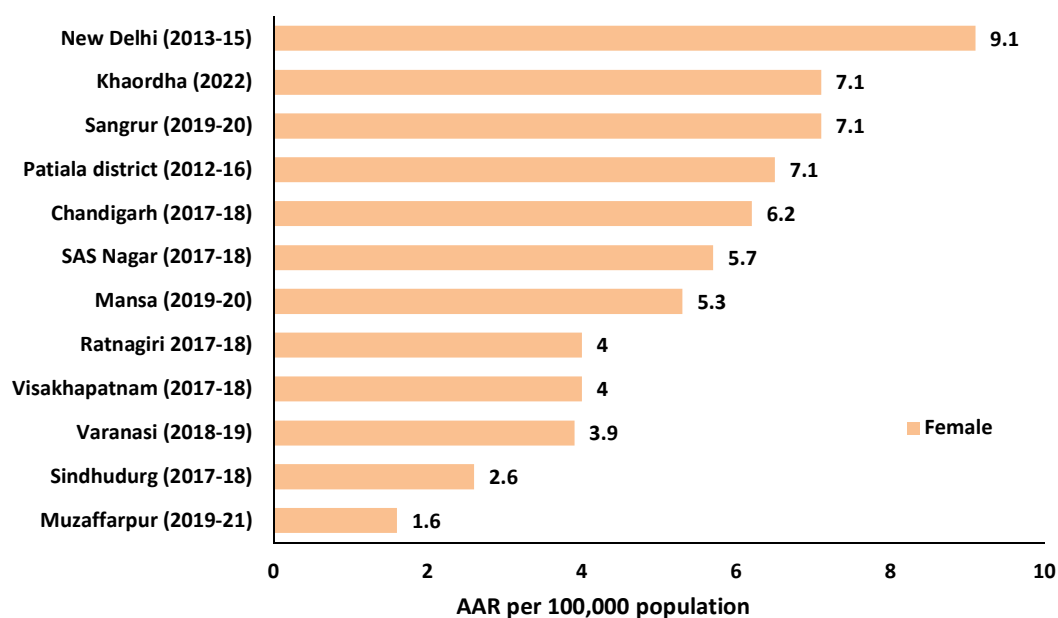


Figure 24: Age-specific incidence and mortality rate: Male all cancer sites (Sangrur district): 2019- 2020

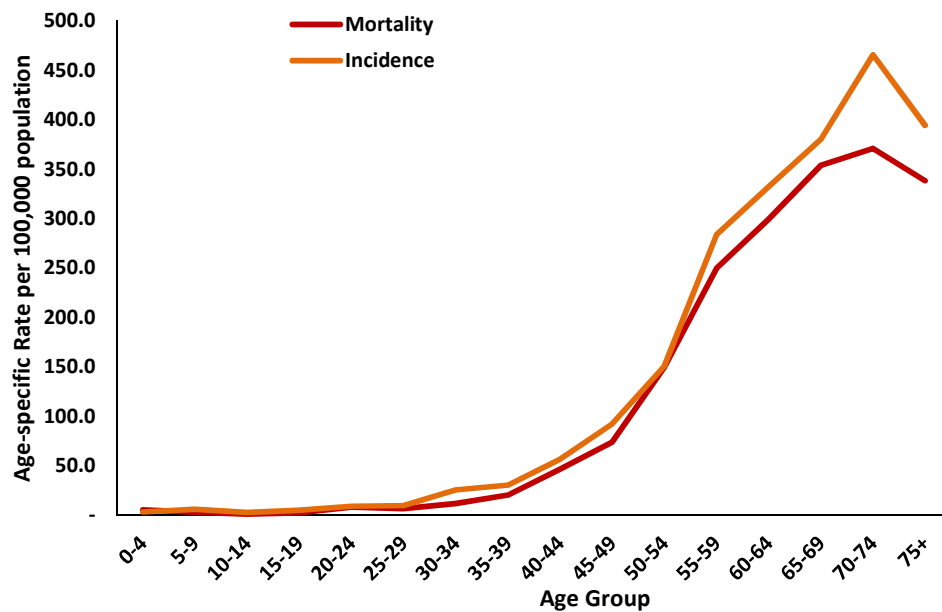
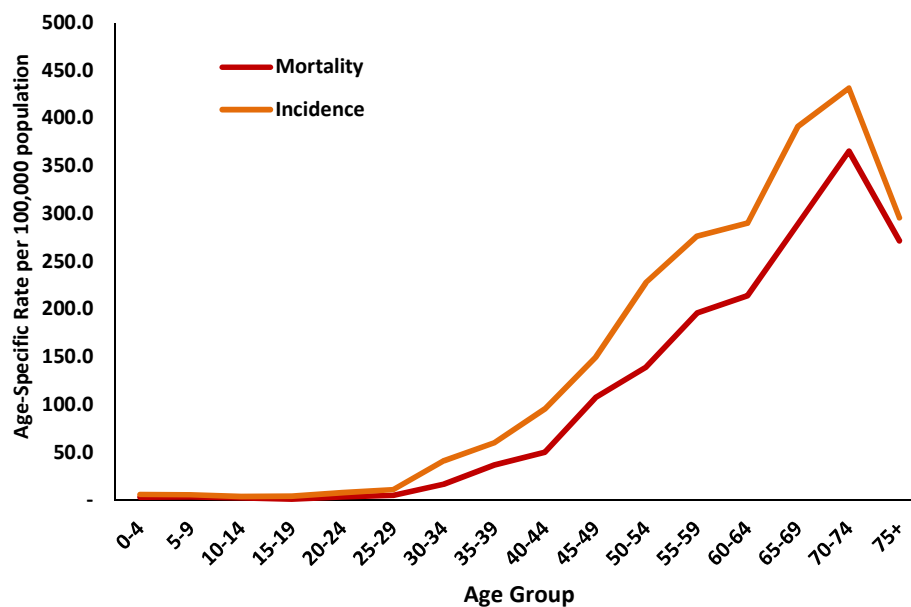


Figure 25: Age-specific incidence and mortality rate: Female all cancer sites (Sangrur district): 2019-2020



OTHER AND UNSPECIFIED SITES

The other and unspecified cancer sites refer to the following cancer types:

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

In males, out of 1414 cases, 108 cases are of other and unspecified sites. The predominant cases are C80 – primary unknown (6.4%), followed by C77 – Secondary and Unspecified Malignant Neoplasm of Lymph Node (0.6%), and other and C76 – ill-defined, secondary and unspecified sites (0.4%). In females, out of 1469 cases, 68 cases are of other and unspecified sites. The predominant cases are C80 – primary unknown (3.9%), followed by C77 – Secondary and Unspecified Malignant Neoplasm of Lymph Node (0.3%), and C48 -Retro Peritoneum and Peritoneum (0.2% cases). The details are presented in Table 12.

Due to improvement in the diagnostic and treatment facility, the percentage of the Primary Site Unknown will decrease in coming years.

Table 12: Other and unspecified cases by sex

ICD 10	Male		Female	
	Number	%	Number	%
C26	1	0.1	2	0.1
C48	0	0.0	3	0.2
C75	1	0.1	0	0.0
C76	6	0.4	1	0.1
C77	9	0.6	5	0.3
C78	0	0.0	0	0.0
C79	0	0.0	0	0.0
C80	91	6.4	57	3.9
TOTAL	108/1414	7.6/100	68/1469	4.6/100

Cancer of the other and unspecified sites (C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

	Male	Female
Number of cases	108	68
Percentage (%)	7.6	4.7
Crude incidence rate (CR)	5.5	4.0
Age-adjusted rate (AAR)	5.8	4.0
Truncated rate (TR)	9.5	6.1

Figure 26: Age-specific incidence rate of other and unspecified cancer (Sangrur district):2019-2020

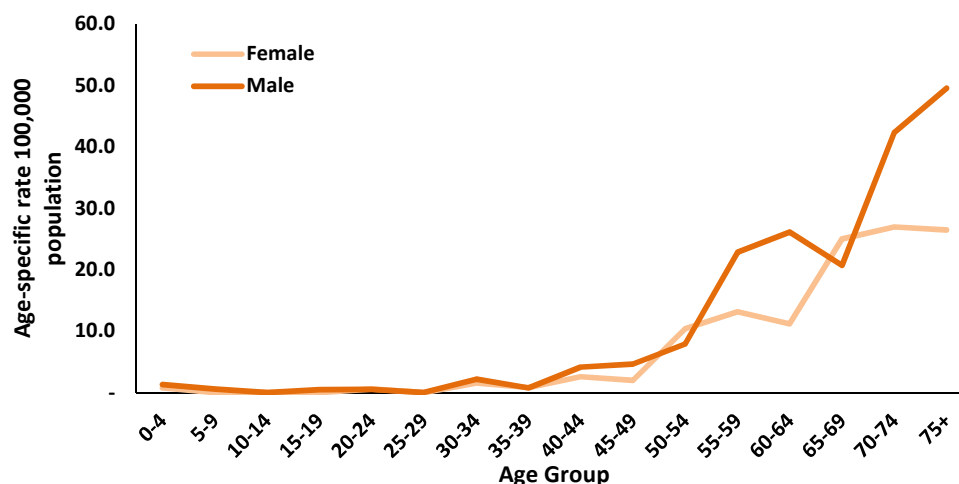
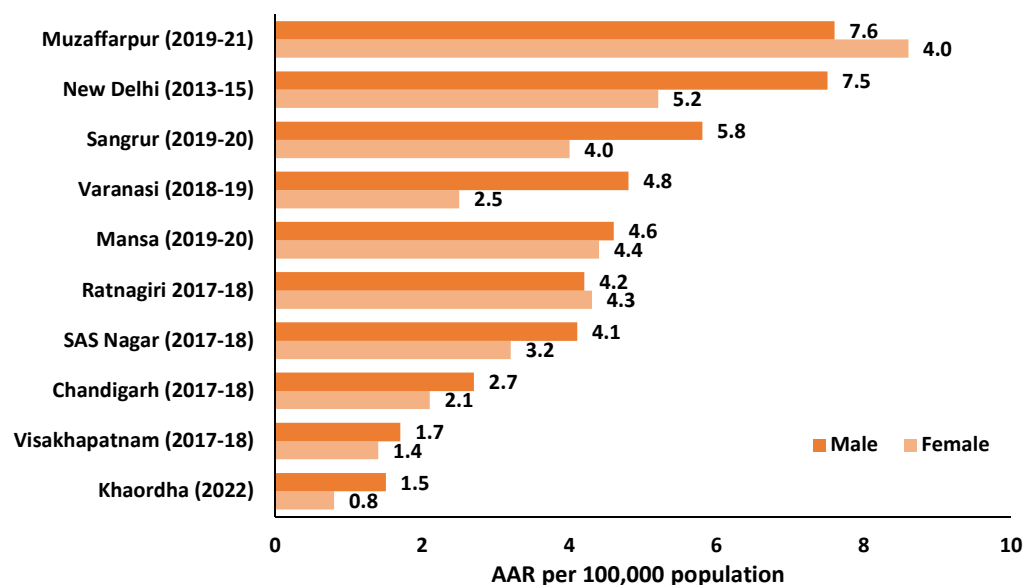


Figure 27: Comparison of other and unspecified cancer incidence rate with other Indian registries



11. Cancer pattern in pediatric age-group (0-14 years)

In the year 2019-2020, out of 2883 registered cancer cases 42 (1.4%) pediatric cases (0-14 age group) were registered. The age-adjusted incidence for boys is 39.1 per million and 54.3 per million for girls.

The leading cancer sites in boys are lymphoid leukemia, Hodgkins disease, other and unspecified, brain, eye, connective and soft tissue, adrenal gland, kidney, and other thoracic organs. While in girls, myeloid leukemia, leukemia unspecified, lymphoid leukemia, connective and soft tissue, eye, brain, bone, kidney, and salivary gland are the leading cancer sites. Leading cancer sites are mentioned below in Figure 30 and 31.

Figure 28: Leading cancer sites in boys: 2019-2020

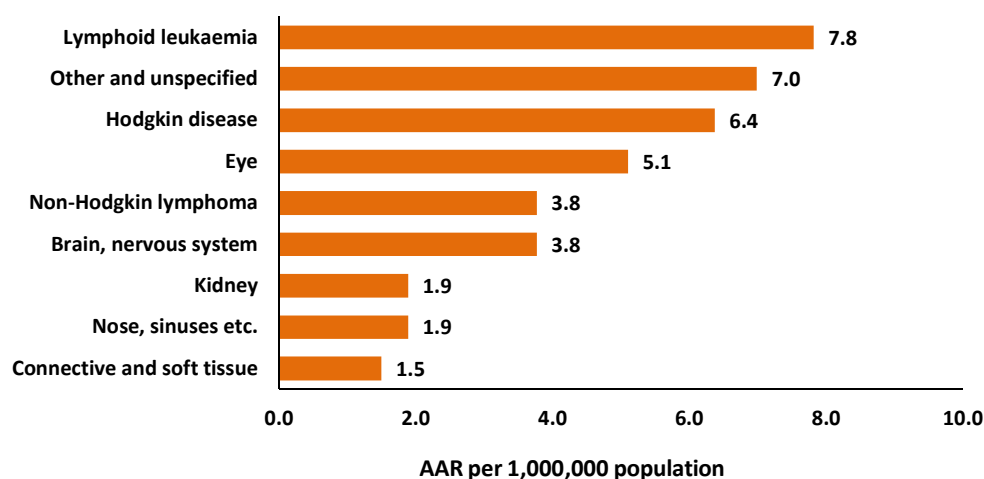
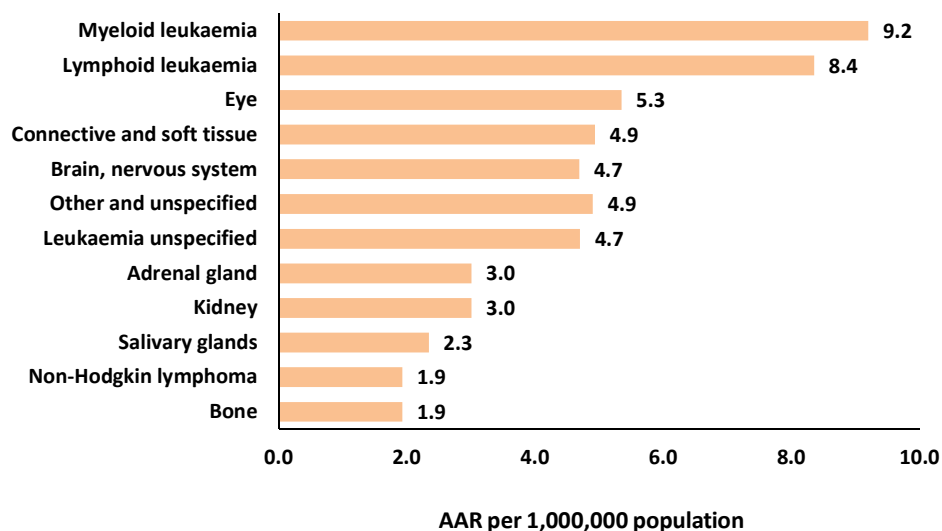


Figure 29: Leading cancer sites in girls: 2019-2020



International Classification of Childhood Cancer, 3rd edition (ICCC-3) has mentioned the separate coding to know the cancer burden in children according to appropriate diagnostic groups. ICCC-3 having twelve main groups and further these are divided in to subgroups and division of selected subgroups. The age-adjusted incidence rate as per subgroups in boys and girls per million population is mentioned in Table 13. The pediatric cancer burden as per ICCC-3 standard is mentioned separately in Table 39 and 40. ⁽¹⁴⁾

Proportion of pediatric cancer cases as per 12 main diagnostic group as per ICCC-3 standard is presented in figure 30.

Figure 30: Proportion of pediatric cancer cases by age-group: Both sex (Sangrur district)

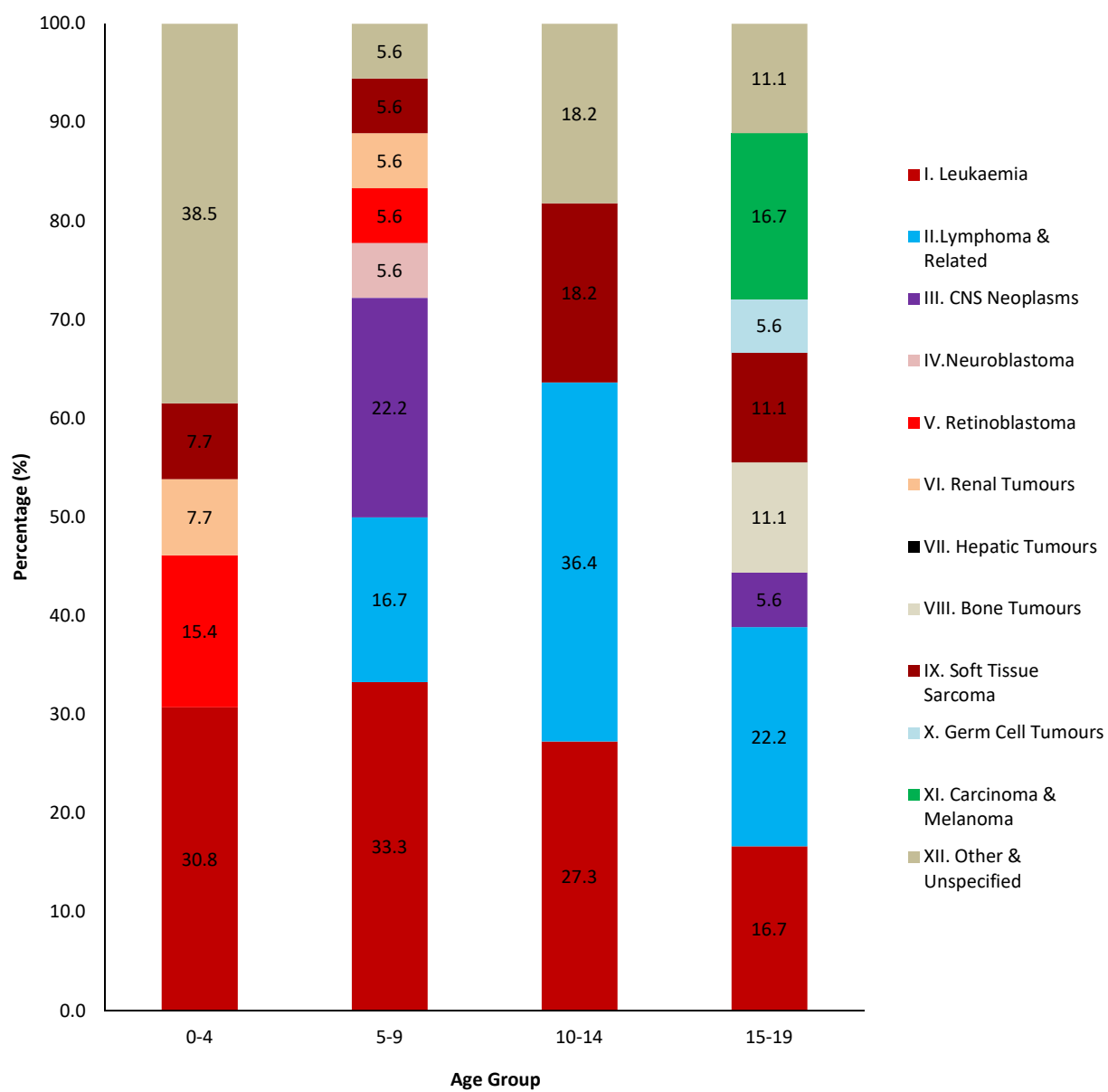


Table 13: Cancer cases distribution as per the International Classification of Childhood Cancer (ICCC) code: 2019-2020

ICCC Code	Site	Boys			Girls		
		Number	%	AAR*	Number	%	AAR*
1a	Lymphoid leukemia	4	20	7.8	3	13.6	8.4
1b	Acute myeloid leukemia	–	–	–	3	13.6	7.3
1c	Chronic Myeloproliferative Diseases	–	–	–	1	4.5	1.9
1e	Unspecified and other specified leukemia	–	–	–	2	9.1	4.7
2a	Hodgkin lymphomas	4	20	6.4	–	–	–
2b	Non-Hodgkin Lymphoma (except Burkitt Lymphoma)	2	10	3.8	1	4.5	1.9
3b	Astrocytoma's	1	5	1.9	–	–	–
3d	Other gliomas	–	–	–	1	4.5	2.3
3f	Unspecified intracranial and intraspinal neoplasms	1	5	1.9	1	4.5	2.3
4b	Other peripheral nervous cell tumors	1	5	1.9	–	–	–
5	Retinoblastoma	1	5	2.5	2	9.1	5.3
6a	Nephroblastoma and other nonepithelial renal tumors	1	5	1.9	1	4.5	3
9a	Rhabdomyosarcomas	1	5	1.5	3	13.6	7.3
12b	Other unspecified malignant tumors	4	20	9.5	4	18.2	9.9
Total		20	100	39	22	100	54.3

* AAR per 1,000,000 population

12. Tobacco-related cancers

Tobacco use has a detrimental impact on health and is one of the major causes of non-communicable diseases. The anatomical sites are included to calculate the tobacco-related cancer burden based on the guidelines of the International Agency for Research on Cancer (IARC), WHO, Lyon, France. Lip (C00), tongue (C01-C02), mouth (C03-C06), pharynx (C10, C12-C14), esophagus (C15), larynx (C32), lung (C33-C34) and urinary bladder (C67) are associated with the use of tobacco.

As per the Sangrur registry data the tobacco-related cancer burden is 35.2% in males while it is 15.3% in females. The leading site under tobacco-related cancer are the esophagus, tongue, lung, mouth, and larynx in males; and in females, the esophagus, lung, hypopharynx, tongue, and larynx.

In the male out of 500; 180 (36%) farmer, 168 (33.6%) unskilled worker and 35 (7%) are government employees. In the female out of 225; 213 (94.7%) are housewife. If we consider the educational level in this population 53.6% males are illiterate while female 70.2%.

Table 14: Tobacco-related cancer in males: 2019-2020

ICD10	Site	Number	%	CR	AAR	TR
C00	Lip	4	0.3	0.2	0.2	0.6
C01-02	Tongue	58	4.1	3.0	3.2	7.3
C03-C06	Mouth	57	4.0	2.9	3.1	6.7
C10	Other oropharynx	22	1.6	1.1	1.2	3.3
C12-C13	Hypopharynx	41	2.9	2.1	2.2	3.6
C14	Pharynx unspecified	2	0.1	0.1	0.1	0.0
C15	Esophagus	129	9.1	6.6	7.1	13.4
C32	Larynx	43	3.0	2.2	2.4	4.9
C33-C34	Trachea, bronchus and lung	85	6.0	4.4	4.7	10.2
C67	Bladder	59	4.2	3.0	3.2	5.7
C00, C06, C10, C12-C15, C32-34, & C67	Tobacco-related Cancer	500	35.2	25.6	27.4	55.7

Table 15: Tobacco-related cancer in females: 2019-2020

ICD 10	Site	Grand Total	%	CR	AAR	TR
C00	Lip	0	0	0	0	0
C01-02	Tongue	16	1.1	0.9	0.9	1.7
C03-C06	Mouth	10	0.7	0.6	0.6	1
C10	Other oropharynx	4	0.3	0.2	0.2	0
C12-C13	Hypopharynx	10	0.7	0.6	0.6	0.9
C14	Pharynx unspecified	1	0.1	0.1	0.1	0.2
C15	Oesophagus	126	8.6	7.3	7.2	12.2
C32	Larynx	10	0.7	0.6	0.6	1.5
C33-C34	Trachea, bronchus and lung	33	2.2	1.9	1.9	3.6
C67	Bladder	14	1	0.8	0.8	1.8
C00,C06,C10,C12-C15,C32-34,&C67	Tobacco-related Cancer	224	15.2	12.9	12.8	23

Table 16: Occupation in tobacco-related cancer cases

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Farmer	180	36.0	3	1.3	183	25.3
Unskilled Worker	168	33.6	3	1.3	171	23.6
Govt Employee	35	7.0	4	1.8	39	5.4
Clerical/Shop owner	30	6.0	0	0.0	30	4.1
Other	30	6.0	0	0.0	30	4.1
Skilled Worker	25	5.0	0	0.0	25	3.5
Semi-Skilled Worker	16	3.2	0	0.0	16	2.2
Pvt Employee	11	2.2	1	0.4	12	1.7
Professional	2	0.4	0	0.0	2	0.3
Unemployed	2	0.4	0	0.0	2	0.3
Semi-Professional	1	0.2	0	0.0	1	0.1
Housewife	0	0.0	212	94.6	212	29.3
Student	0	0.0	1	0.4	1	0.1
Total	500	100	224	100	724	100

Table 17: Educational characteristics in tobacco-related cancer cases

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	268	53.6	157	70.1	425	58.7
Primary (1-7 std)	90	18.0	27	12.1	117	16.2
Secondary (8-10 std)	90	18.0	27	12.1	117	16.2
College	20	4.0	3	1.3	23	3.2
Technical after 10th	15	3.0	3	1.3	18	2.5
Literate	8	1.6	5	2.2	13	1.8
Post graduate	5	1.0	2	0.9	7	1.0
Other	4	0.8	0	0.0	4	0.6
Total	500	100	224	100	724	100

Table 18: Religion in tobacco-related cancer cases

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Sikh	316	63.2	174	77.7	490	67.7
Hindu	120	24	38	16.9	158	21.8
Muslim	64	12.8	12	5.3	76	10.5
Total	500	100	224	100	724	100

13. Cancer burden as per anatomical system

In males, the majority of cancer cases involved the site digestive organ (32.4%) followed by Head and Neck Cancer (18.2%), male genital organ (10.4%), Lymphoid and Hematopoietic tissue (10.0%) and Respiratory and intrathoracic organ (9.3%) with AAR 25.1, 14.1, 7.6, 7.4 and 7.2 per 100,000 population respectively. In the digestive organs, liver and esophagus are predominant cancer while in Head and Neck cancer, the predominant cancer is of tongue and mouth. Among lymphoid and hematopoietic tissue, NHL and lymphoid leukemia are the predominant cancer. The prostate cancer is the predominant cancer in the male genital organ.

In females, the majority of cancer cases involved the sites from the female is breast (27.8%) followed by digestive organ (24.2%), genital organ (21.5%), and Head and Neck (6.5%) and Respiratory and intrathoracic organ (5.7%) with AAR 23.6, 20.5, 18.2, 5.3, 4.9 per 100,000 population respectively. In female breast, genital organ, cervix uteri and ovary are the predominant cancer while in male digestive organ, esophagus and gall bladder are the predominant cancer. Among Lymphoid and Hematopoietic tissue NHL and myeloid leukemia are the predominant cancer. The details are presented in Figure 31, Table 19 and 20.

Figure 31: Cancer rates by different anatomical sites in Sangrur district: 2019-2020

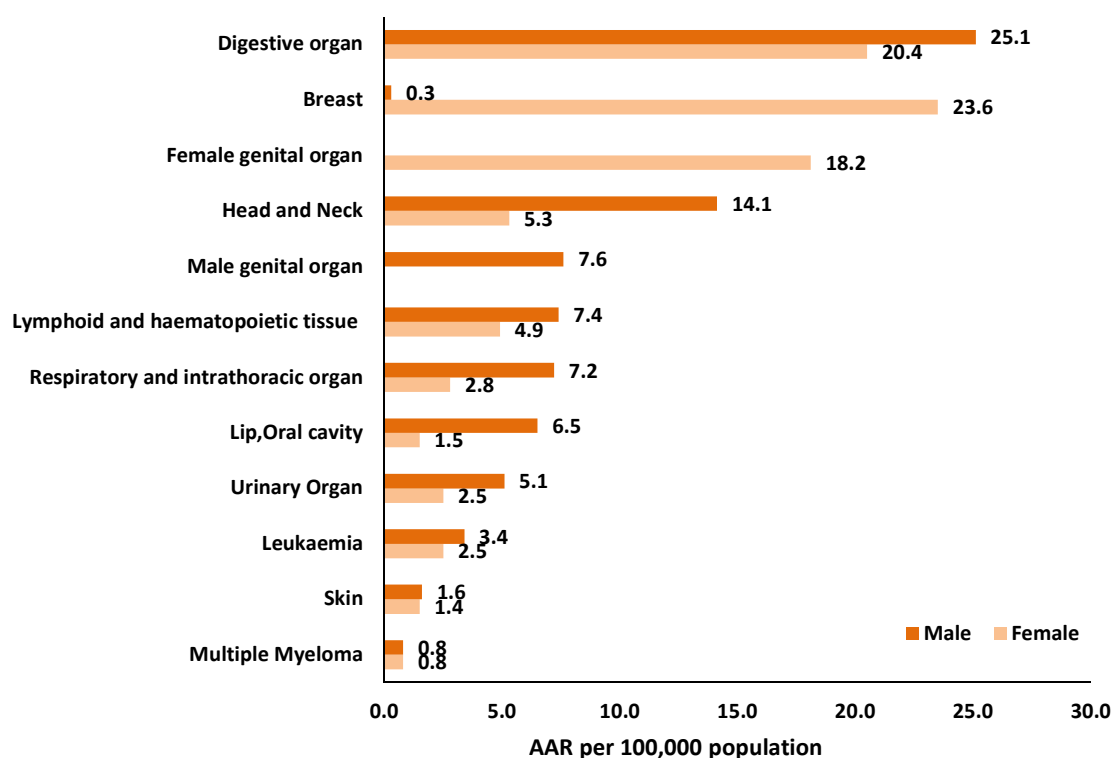


Table 19: Cancer burden as per the various anatomical system in males: 2019-2020

ICD10	Site	Number	%	CR	AAR	TR
C15-C25	Digestive Organ	458	32.4	23.5	25.1	49.3
C00-C14, C30-C32 & C73	Head and Neck	258	18.2	13.2	14.1	29.1
C60-C63	Male Genital Organ	147	10.4	7.5	7.6	7.8
C81-C96	Lymphoid and Hematopoietic tissue	141	10	7.2	7.4	11.8
C30-C38	Respiratory and Intrathoracic Organ	131	9.3	6.7	7.2	15.4
C00-C06	Lip, Oral Cavity	119	8.4	6.1	6.5	14.6
C64-C68	Urinary Organ	94	6.6	4.8	5.1	9.4
C91-C95	Leukemia	66	4.7	3.4	3.4	5.7
C43-C44	Skin	30	2.1	1.5	1.6	2.5
C88 + C90	Multiple Myeloma	15	1.1	0.8	0.8	1.6
C50	Breast	5	0.4	0.3	0.3	0.2

Table 20: Cancer burden as per the various anatomical system in females: 2019-2020

ICD10	Site	Number	%	CR	AAR	TR
C50	Breast	409	27.8	23.7	23.6	55.5
C15-C25	Digestive Organ	354	24.1	20.5	20.4	36.7
C51-C58	Female Genital Organ	316	21.5	18.3	18.2	42.1
C00-C14, C30-C32 & C73	Head and Neck	96	6.5	5.6	5.3	8.0
C81-C96	Lymphoid and Hematopoietic tissue	84	5.7	4.9	4.9	6.5
C30-C38	Respiratory and Intrathoracic Organ	49	3.3	2.8	2.8	5.5
C91-C95	Leukemia	42	2.9	2.4	2.5	5.6
C64-C68	Urinary Organ	41	2.8	2.4	2.5	2.7
C00-C06	Lip, Oral Cavity	26	1.8	1.5	1.5	2.7
C43-C44	Skin	25	1.7	1.5	1.4	2.4
C88 + C90	Multiple Myeloma	14	1.0	0.8	0.8	1.4

14. Cancer trends in Sangrur district

Since the number of cancer cases are less the registry has combined the data for two years to see the trends of leading cancer sites in the Sangrur district.

The all-site cancer incidence for males and females have shown upward trend. Initially, there was a possibility of under registration. With continuous efforts towards proper documentation and establishment of HBCH, Sangrur has greatly improved the cancer registration process.

The esophageal cancer in male is gradually getting stable however we may have missed the cases. Liver and prostate cancer incidence shows increasing trends may be due to improvement in the diagnostic facilities in the registry area.

In females; ovary, gall bladder, esophagus and liver cancer incidence show upward trends due to improvement in the diagnostic facilities however, further research is required to know the cause of upward trends. While breast and cervical cancer trends are gradually getting stable. The trends are presented in Figure 32 to 39.

Figure 32: All sites cancer trends in Sangrur district

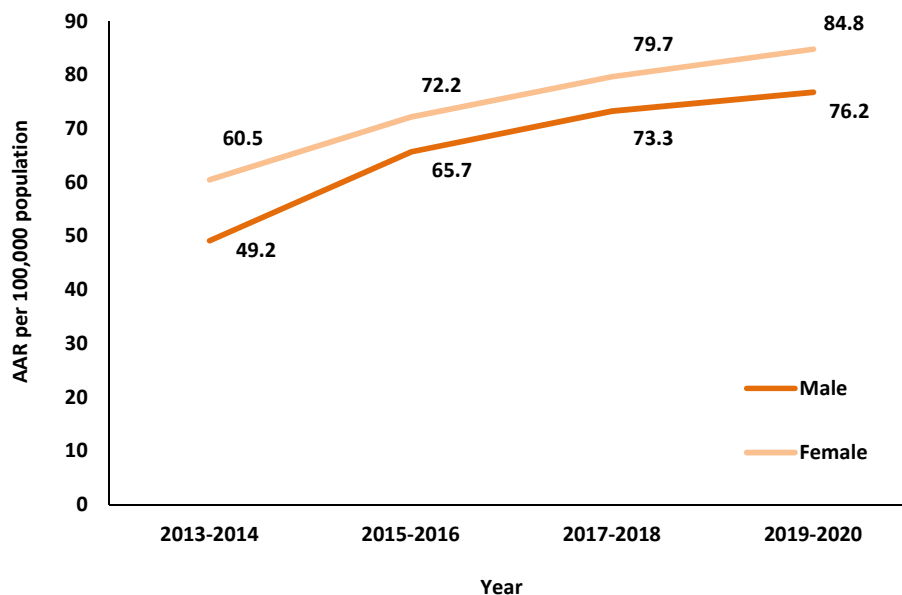


Figure 33: Esophagus cancer trends in Sangrur district

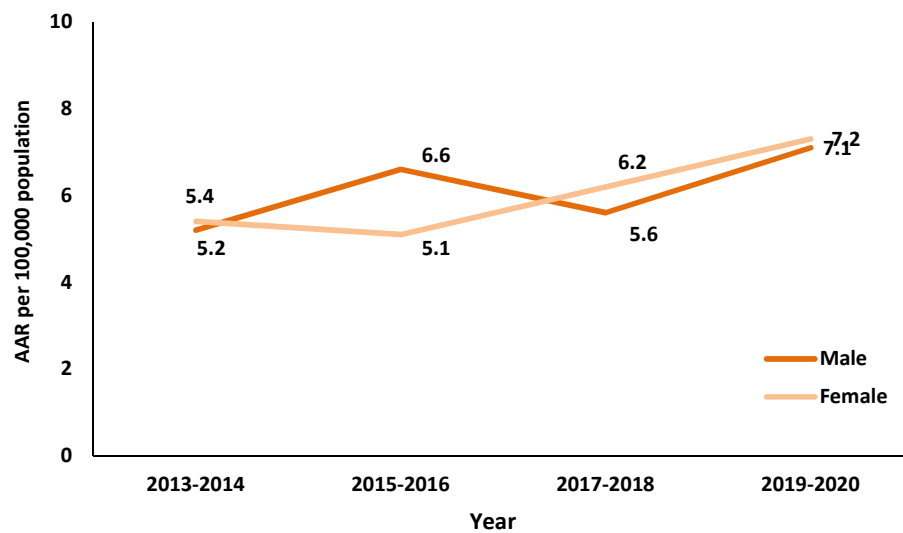


Figure 34: Liver cancer trends in Sangrur district

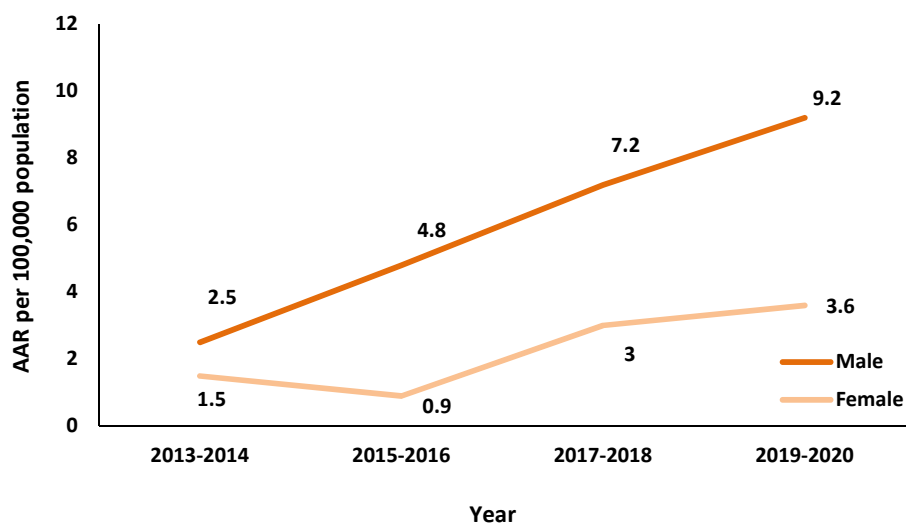


Figure 35: Breast cancer trends in Sangrur district: Female

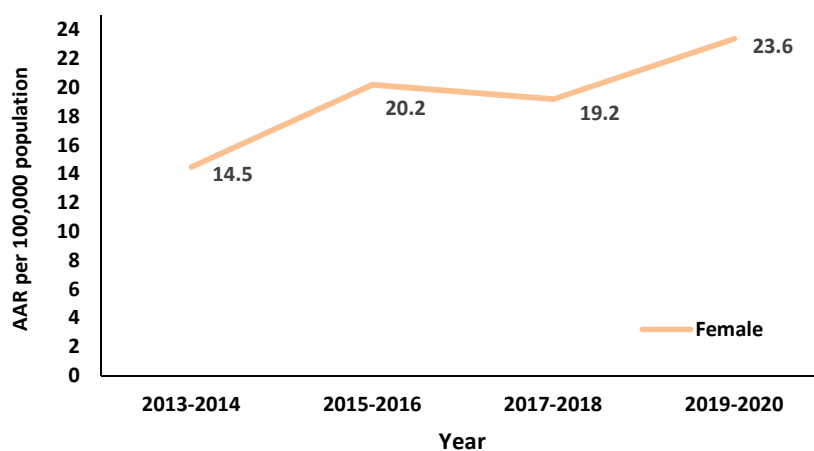


Figure 36: Cervical cancer trends in Sangrur district

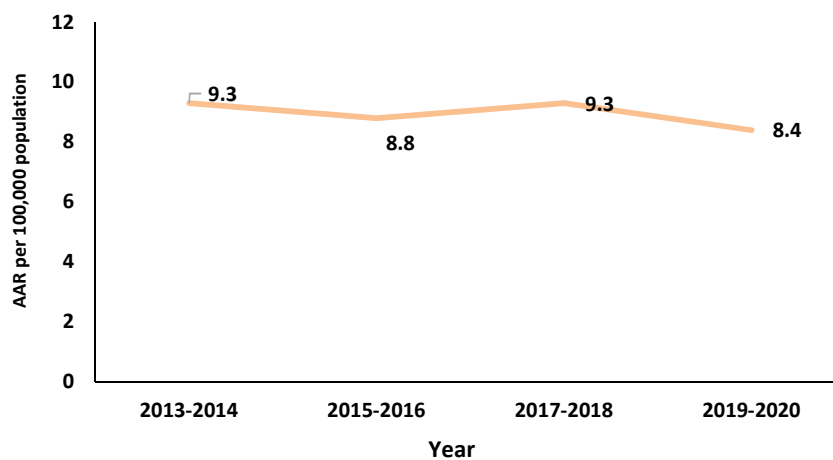


Figure 37: Ovarian cancer trends in Sangrur district

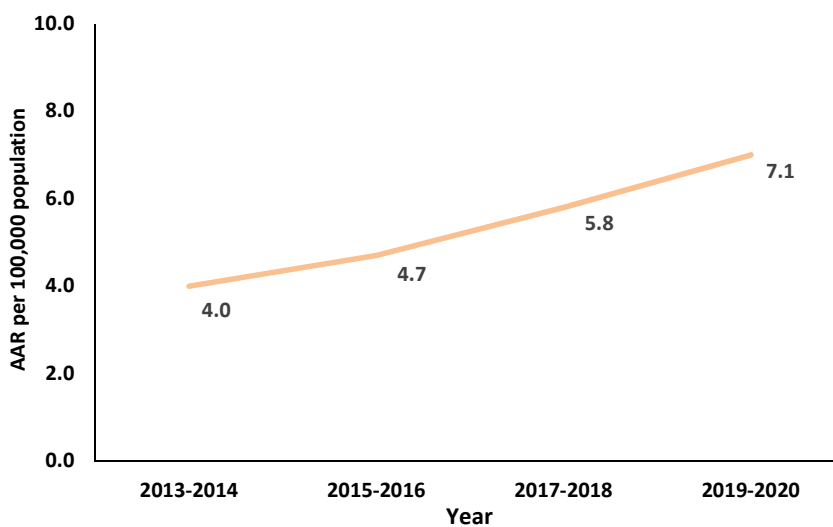


Figure 38: Prostate cancer trends in Sangrur district

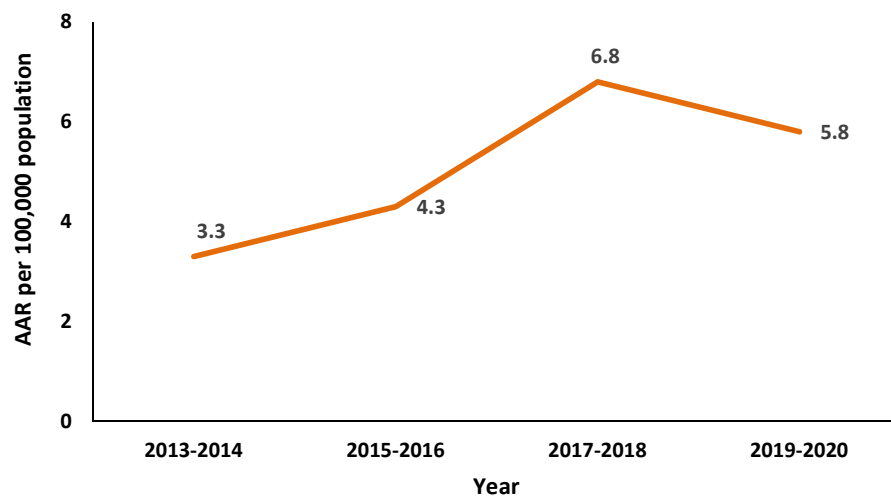
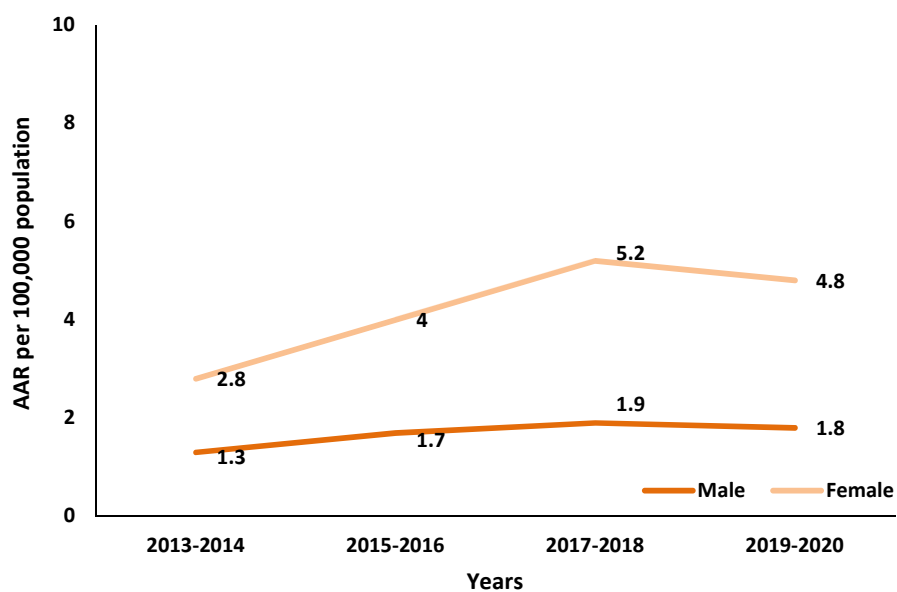


Figure 39: Gall bladder cancer trends in Sangrur district



15. Cancer survival studies

Sangrur PBCR regularly updates the follow-up status of the cancer cases diagnosed. We have undertaken survival follow-up of the esophagus, breast, cervix uteri and prostate cancer cases diagnosed in 2013-2020. The date of the diagnosis is the starting date and the last date of follow-up is 31st December 2023 or the date of death.

Due to regular village visits and community interaction, the registry has good follow-up status available for the esophagus, breast, cervix uteri, prostate cancer.

Out of 846 total esophagus cancer cases 61 (7.2%) patients are alive while 780 (92.2%) are dead. Out of 925 breast cancer cases, 411 (44.4%) patients are alive while 498 (53.8%) are dead. Similarly, out of 457 cervix uteri cancer cases, 142 (31.1%) patients are alive while 297 (65.0%) patients are dead. Out of total 400 prostate cancer cases, 114 (28.3%) patients are alive while 286 (71.5%) patients are dead.

Table 21: Cancer cases registered in the period 2013-2020 and their follow-up status

Follow-up status as of 31 st December 2023							
Cancer Site	No. of cases	Alive		Death		Migrated/ lost to follow up	
		No.	%	No.	%	No.	%
Breast	925	411	44.4	498	53.8	15	1.6
Esophagus	846	61	7.2	780	92.2	5	0.6
Cervix uteri	457	142	31.1	297	65	18	3.9
Prostate	400	113	28.3	286	71.5	1	0.3

16. Socio-demographic information

The Sangrur district cancer registry staff interacted with cancer patients or their relatives and gathered socio-demographic information. Based on the information collected, in the Sangrur district, cancer cases were highest among Sikh community (70.8%). Moreover, cancer cases were more among Illiterate population [n= 1526, (52.9%)]. Among the illiterate population, cancer cases are more among females [868 (59.1%) out of 1526 cancer cases] than males. Furthermore, in terms of occupation, cancer cases were more commonly found among housewives in females and farmers in males with 90.6% and 39.7% respectively. The number of cancer cases was more among the population with an income of less than Rs. 15,000/- per month.

Table 22: Cancer cases by education and sex

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	658	46.5	868	59.1	1526	52.9
Literate	20	1.4	25	1.7	45	1.6
Primary (1-7 std)	244	17.3	217	14.8	461	16.0
Secondary (8-10 std)	303	21.4	206	14.0	509	17.6
Technical after 10 th	70	5.0	27	1.8	97	3.4
College	80	5.7	77	5.2	157	5.4
Post graduate	17	1.2	37	2.5	54	1.9
Other	14	1.0	5	0.3	19	0.7
Not applicable for children	7	0.5	7	0.5	14	0.5
Unknown/ No information	1	0.1	0	0.0	1	0.0
Total	1414	100	1469	100	2883	100

Table 23: Cancer cases by religion and sex

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Sikh	988	69.9	1054	71.7	2042	70.8
Hindu	266	18.8	281	19.1	547	19.0
Muslim	160	11.3	133	9.0	293	10.2
Buddhist	0	0.0	0	0.0	0	0.0
Other	0	0.0	1	0.1	1	0.0
Total	1414	100	1469	100	2883	100

Table 24: Cancer cases by income and sex

Income	Male		Female		Total	
	Number	%	Number	%	Number	%
>=30375	106	7.5	96	6.5	202	7.0
15188-30374	194	13.7	185	12.6	379	13.1
11362-15187	260	18.4	257	17.5	517	17.9
7594-11361	576	40.7	698	47.5	1274	44.2
4556-7593	222	15.7	170	11.6	392	13.6
1521-4555	45	3.2	48	3.3	93	3.2
<=1520	4	0.3	7	0.5	11	0.4
Unknown/No information	7	0.5	8	0.5	15	0.5
Total	1414	100	1469	100	2883	100

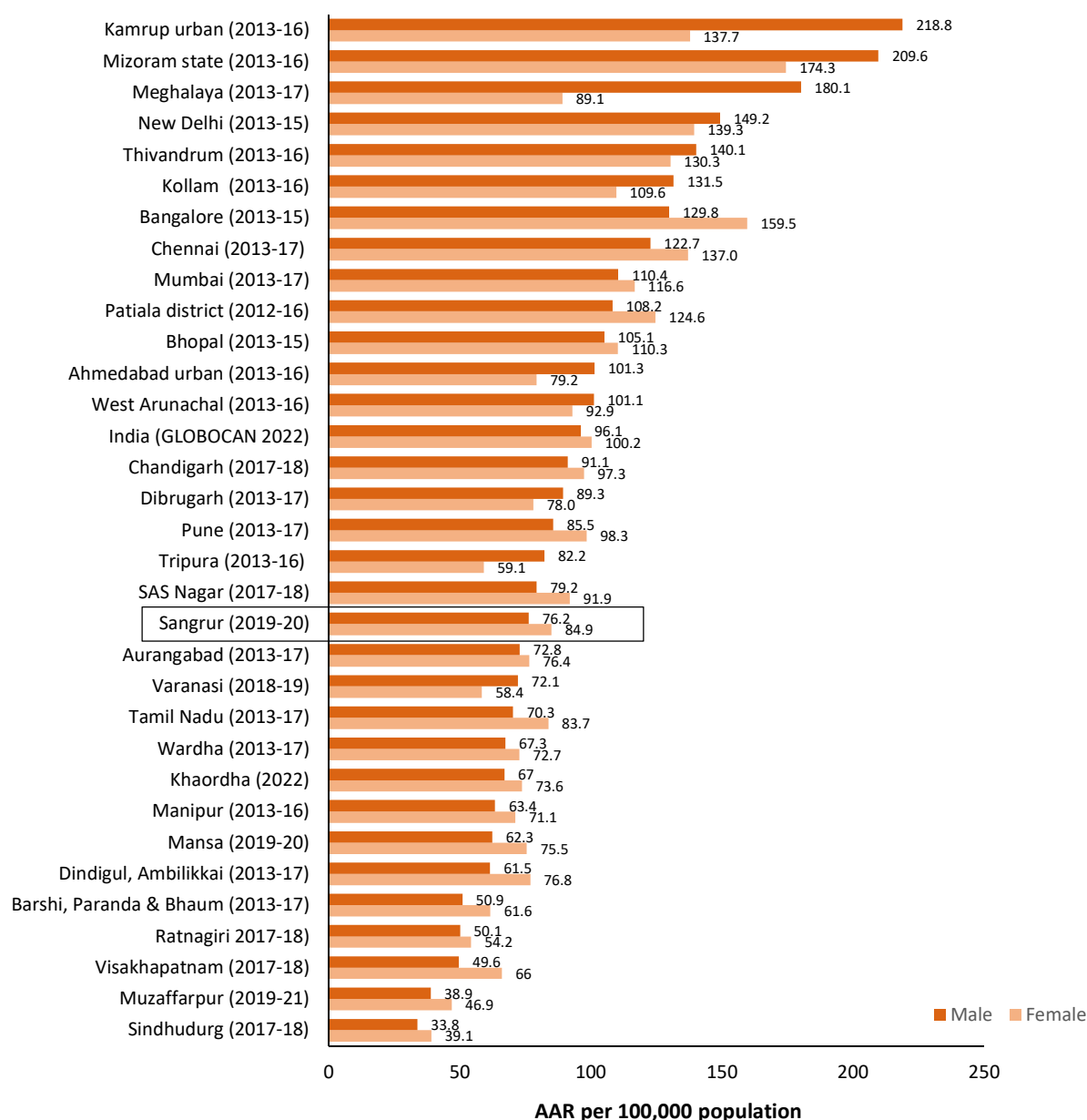
Table 25: Cancer cases by occupation and sex

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Professional	5	0.4	5	0.3	10	0.3
Semi-professional	4	0.3	0	0.0	4	0.1
Clerical/Shop owner	80	5.7	2	0.1	82	2.8
Farmer	561	39.7	14	1.0	575	19.9
Skilled worker	60	4.2	1	0.1	61	2.1
Semi-skilled worker	64	4.5	2	0.1	66	2.3
Unskilled worker	365	25.8	19	1.3	384	13.3
Unemployed	7	0.5	0	0.0	7	0.2
Student	36	2.5	29	2.0	65	2.3
Housewife	0	0.0	1331	90.6	1331	46.2
Government employee	104	7.4	32	2.2	136	4.7
Private employee	41	2.9	8	0.5	49	1.7
Other	80	5.7	19	1.3	99	3.4
Not applicable to children	7	0.5	7	0.5	14	0.5
Total	1414	100.0	1469	100.0	2883	100.0

17. Comparison of cancer incidence rate with other Indian registries

Sangrur incidence rates are in comparison with Mansa registry is higher. Whereas the overall Age Adjusted Incidence Rate for all cancer sites among males for the year 2019-2020 is compared with other Indian PBCRs and is presented in the figure 40.

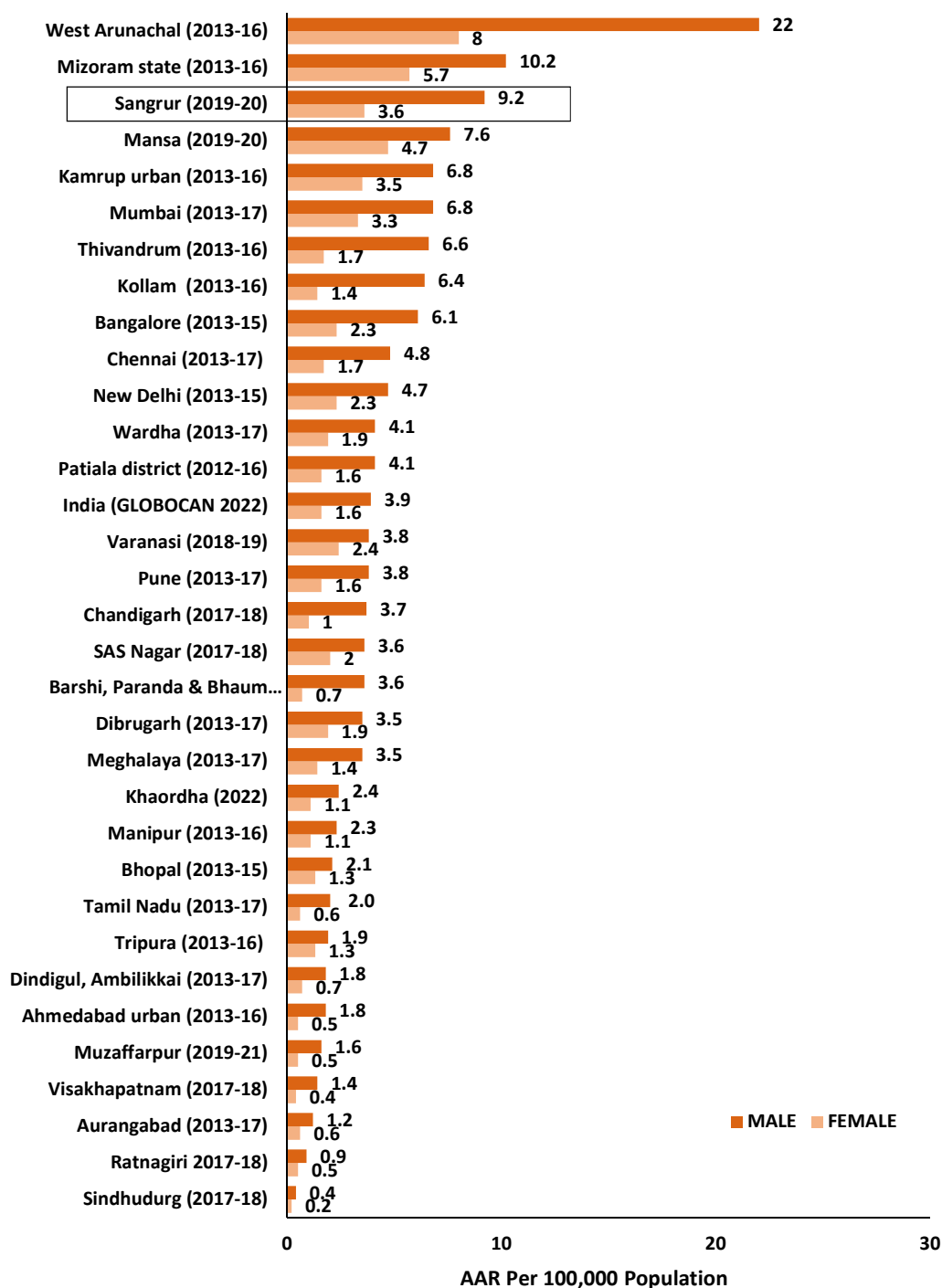
Figure 40: Age-adjusted incidence rate of all cancer sites in males and females



(References: 1-6, 16)

The liver cancer incidence rates are slightly higher in Sangrur district as compared to other registries. This is attributed to improvements in the diagnostic facilities in this district. A comparison of the liver cancer rates is shown in Figure 41.

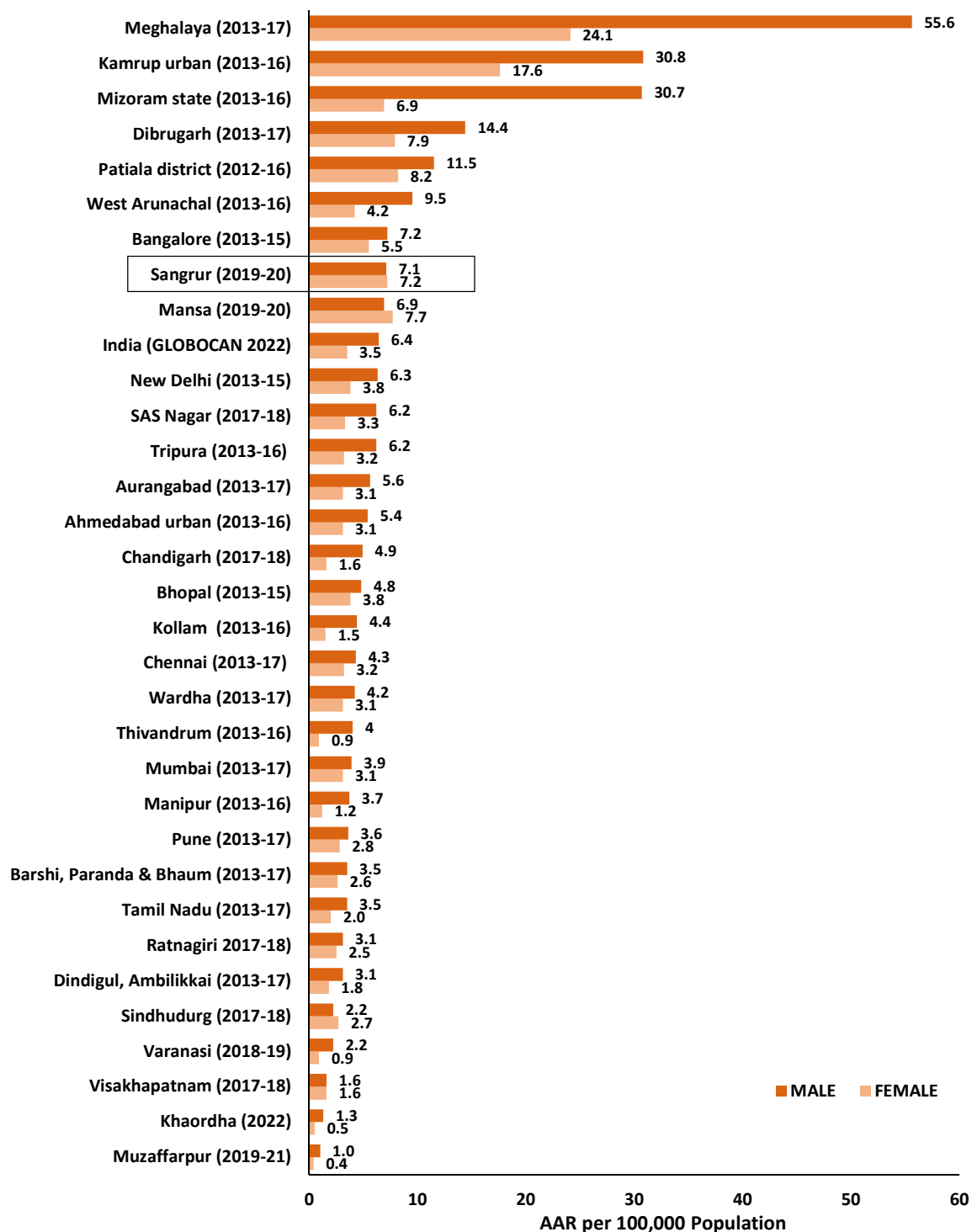
Figure 41: Age-adjusted incidence rate of liver cancer



(References: 1-6, 16)

Esophagus cancer incidence rates in male and females of Sangrur cancer registry is higher than national average. A comparison of the esophagus cancer rates is shown in Figure 42.

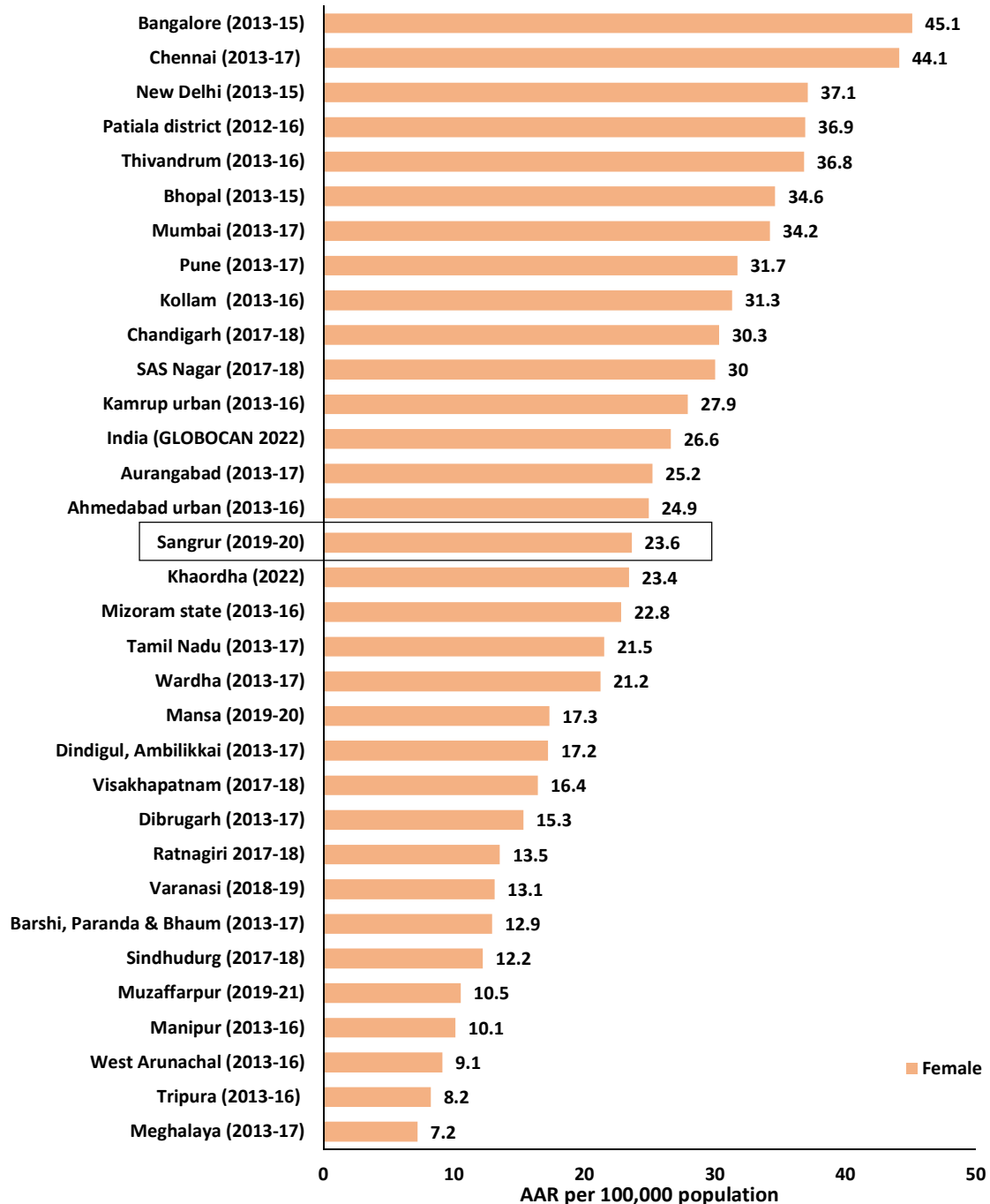
Figure 42: Age-adjusted incidence rate of esophagus cancer



(References: 1-6, 16)

Breast cancer rates for Sangrur is lower as compared to national average. While for Sangrur registry the rate is lower in comparison with the north eastern registries. The comparison of breast cancer rates is shown in Figure 43.

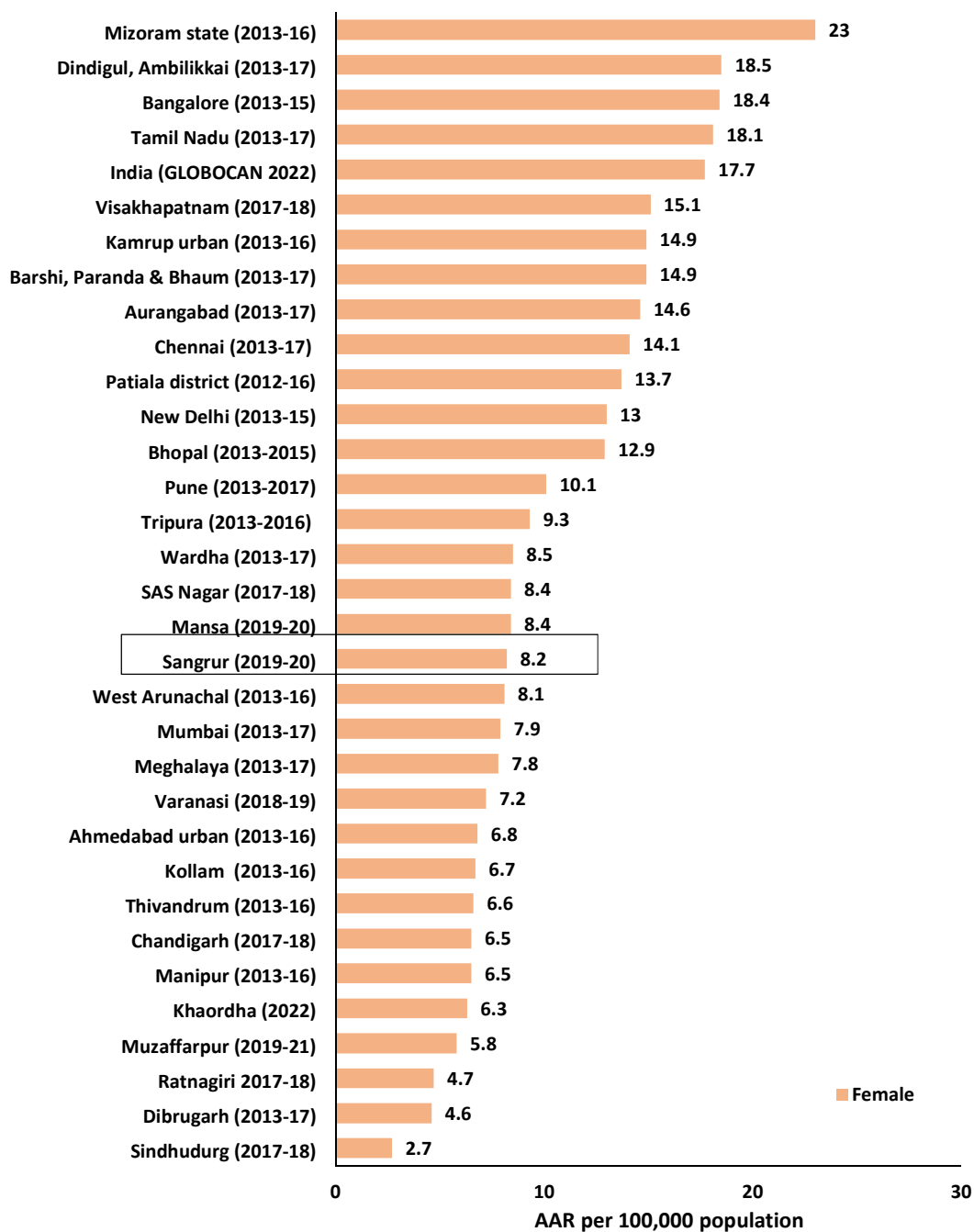
Figure 43: Age-adjusted incidence rate of breast cancer



(References: 1-6, 16)

For cervical cancer, the Sangrur registry rates are lower as compared Chandigarh and other northern registries. The comparison of the cervical cancer rate is shown in Figure 44.

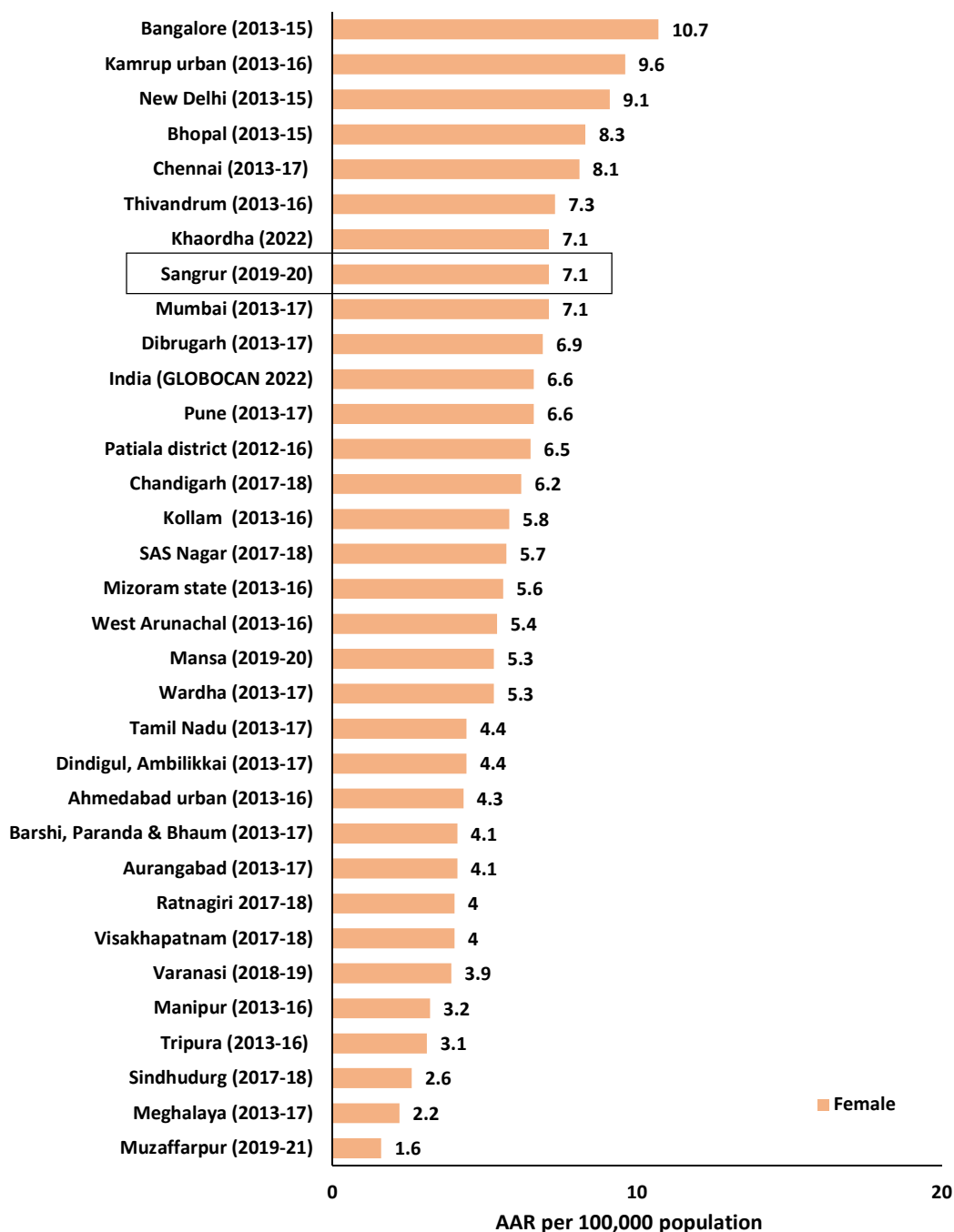
Figure 44: Age-adjusted incidence rate of cervical cancer



(References: 1-6, 16)

Ovarian cancer rates for Sangrur is higher when as compared to other national registries. The comparison of ovarian cancer rates is shown in Figure 45.

Figure 45: Age-adjusted incidence rate of ovarian cancer

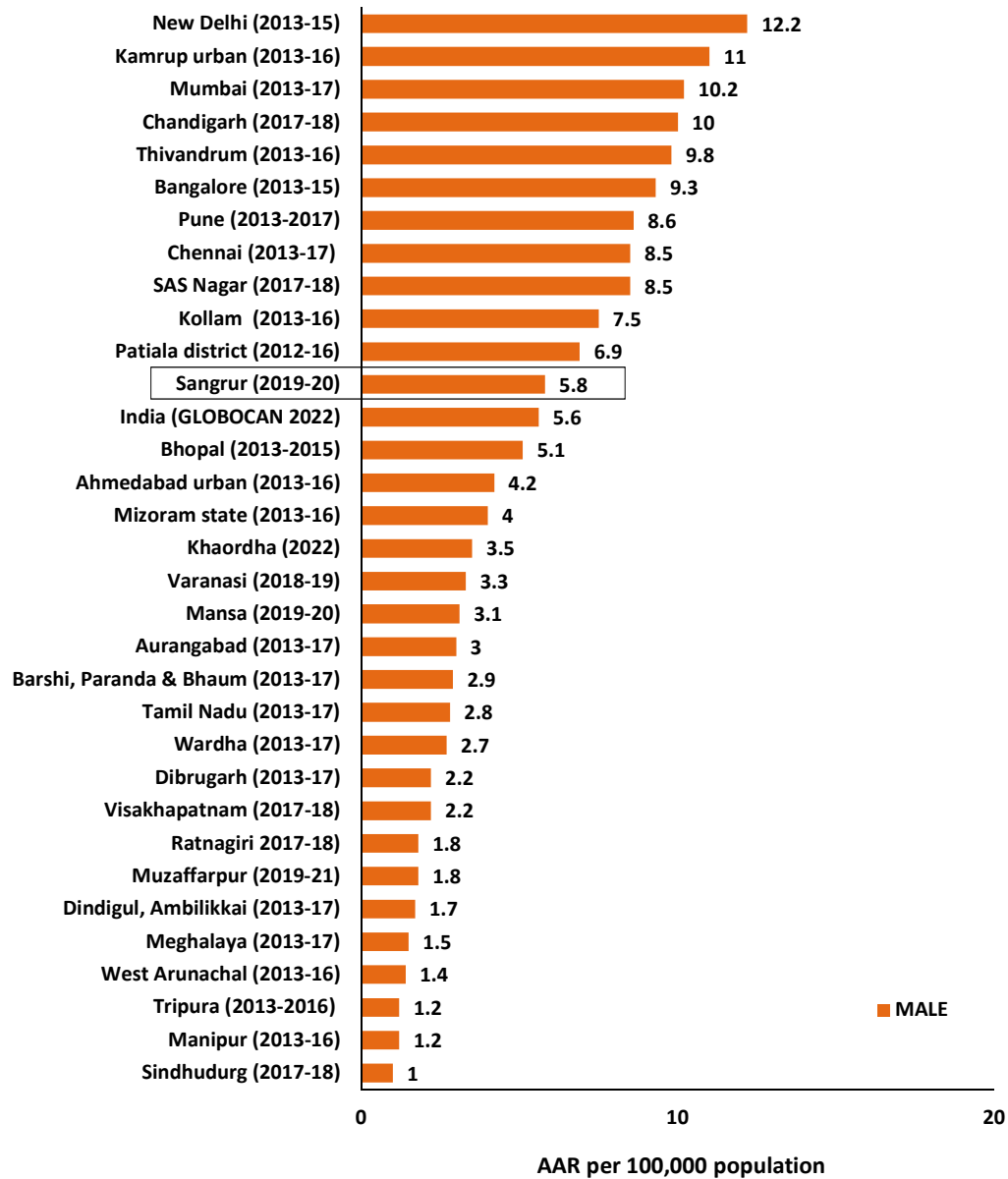


13.7

(References: 1-6, 16)

Prostate cancer rates for Sangrur is lower as compared to Delhi, Chennai and Mumbai but higher than Rural registries. The comparison of ovarian cancer rates is shown in shown in Figure 46.

Figure 46: Age-adjusted incidence rate of prostate cancer



(References: 1-6, 16)

18. COVID-19 impact on cancer registry activities

Globally, the COVID-19 pandemic has affected the day-to-day activities of human beings. Due to a strict lockdown in the country from 24th March 2020 to 31st May 2020. After the lockdown period, there was a continuous COVID wave and due to several restrictions, the registry work was badly hampered.

Since the registry activities involved community interaction, visiting different hospitals, and meeting with the consultant for the data collection were completely stopped. The year-wise source visit has presented in the Table 26. There was a significant drop down in the sources visits during the COVID-19 pandemic in 2020 and 2021 as well as there was a significant drop down in the meetings with the community leaders.

We have requested our registry staff to work in the hospital as a supportive staff to improve the hospital services during the COVID-19 pandemic. Since the staff was not able to travel we have updated the follow-up status of cancer patients and the staff was asked to do data entry work and also to update their manual registers.

Several registry staff and their relatives got infected and they had to apply for leaves while several staff members were quarantined. The staff was encouraged to work from home during the pandemic period.

Despite several challenges the cancer registry team worked very efficiently by adopting the flexible remedial measure. We have received very good administrative support from HBCH Sangrur and technical support from CCE-TMC.

Table 26: Year-wise source visit by the cancer registry staff

Year	Number of sources visited	%
2013	6	1.8
2014	14	4.2
2015	27	8.2
2016	47	14.2
2017	52	15.7
2018	65	19.6
2019	61	18.4
2020	24	7.3
2021	35	10.6
Total	331	100.0

19. 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, 2019 to December 31, 2020, in the Sangrur district has 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, 2019 and December 31, 2020 in the 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.

$$CR = \frac{\text{Number of new cancer cases observed in the period 2019-2020} \times 100000}{\text{Estimated population of the same year}}$$

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 for the truncated age group 35-64 years of age.

Pediatric cancer incidence rate: Age-specific rates are shown for 0-4, 5-9, 10-14, and 15-19 age groups. Age-adjusted incidence rates were calculated by the direct method, using the age-specific rates for the age groups 0-4, 5-9, 10-14, and 15-19 and the weights of the World Standard population for these age groups according to Segi, namely 12, 10, 9, and 9. The cumulative incidence rates were calculated as the sum of the age-specific incidence rates for the 5-year age groups, each multiplied by 5, the number of years contained in each age group.

20. Standard Registry Tables

Table 27: Number of incidence cancers by five-year age group and site (ICD 10): 2019-2020

Males Sangrur district

% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	1	-	-	-	-	1	2	-	-	-	4	0.3
C01-02	Tongue	-	-	-	-	-	-	4	1	4	7	9	9	9	8	4	3	58	4.1
C03-C06	Mouth	-	-	-	-	-	-	2	3	2	8	10	4	10	10	3	5	57	4.0
C07-C08	Salivary glands	-	-	-	1	-	-	-	-	-	3	1	-	1	4	-	-	10	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	2	1	-	1	2	7	0.5
C10	Other oropharynx	-	-	-	-	-	-	2	1	1	-	2	7	6	-	1	2	22	1.6
C11	Nasopharynx	-	-	-	-	-	-	1	1	-	2	-	-	-	4	-	-	8	0.6
C12-C13	Hypopharynx	-	-	-	-	-	1	-	1	3	1	1	8	5	6	5	10	41	2.9
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	0.1
C15	Oesophagus	-	-	-	-	1	-	-	2	4	7	10	23	24	22	21	15	129	9.1
C16	Stomach	-	-	-	-	-	-	2	1	2	-	2	-	2	6	6	7	28	2.0
C17	Small intestine	-	-	-	-	-	-	-	-	-	2	-	1	2	-	1	-	6	0.4
C18	Colon	-	-	-	1	1	-	2	3	3	3	6	3	2	-	3	5	32	2.3
C19-C20	Rectum	-	-	-	-	-	2	2	1	2	4	6	1	2	5	2	1	28	2.0
C21	Anus	-	-	-	-	-	-	-	-	1	-	-	2	2	-	-	1	6	0.4
C22	Liver	-	-	-	-	-	-	1	1	2	13	27	32	31	24	21	11	163	11.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1	3	5	3	6	6	9	33	2.3
C25	Pancreas	-	-	-	-	1	-	1	1	3	4	1	5	6	5	2	4	33	2.3
C30-C31	Nose, sinuses etc.	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	3	0.2
C32	Larynx	-	-	-	-	-	-	-	-	1	6	4	4	11	8	5	4	43	3.0
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1	2	4	7	12	8	22	12	7	10	85	6.0
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C40-C41	Bone	-	-	-	1	2	-	2	1	3	-	-	1	1	1	2	2	16	1.1
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	1	5	0.4
C44	Other skin	-	-	-	-	1	-	1	-	1	1	1	3	3	6	1	7	25	1.8
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C47,C49	Connective and soft tissue	-	-	1	-	1	-	-	1	3	1	-	1	2	-	1	3	14	1.0
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	4	0.3
C60	Penis	-	-	-	-	-	-	-	-	-	2	1	3	1	4	2	2	15	1.1
C61	Prostate	-	-	-	-	-	-	-	-	-	2	6	7	12	19	35	32	113	8.0
C62	Testis	-	-	-	1	2	4	4	2	2	1	-	2	-	-	1	-	19	1.3
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C64	Kidney	-	1	-	-	-	-	-	2	1	3	5	4	5	8	5	1	35	2.5
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C67	Bladder	-	-	-	-	-	-	-	2	3	3	2	5	16	10	9	9	59	4.2
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C69	Eye	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	0.2
C70-C72	Brain, nervous system	-	2	-	1	-	2	2	4	7	5	6	6	7	8	1	1	52	3.7
C73	Thyroid	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	3	0.2
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	3	0.2
C81	Hodgkin disease	-	1	3	2	1	-	2	2	1	1	1	-	1	-	1	-	16	1.1
C82-C86,C96	Non-Hodgkin lymphoma	-	2	-	1	-	4	-	3	4	2	5	3	3	6	8	3	44	3.1
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0
C90	Multiple myeloma	-	-	-	-	-	-	-	-	1	-	-	4	3	1	6	-	15	1.1
C91	Lymphoid leukaemia	1	2	1	1	1	1	1	-	1	2	-	2	4	2	2	5	26	1.8
C92-C94	Myeloid leukaemia	-	-	-	-	5	1	1	1	4	3	1	3	7	3	3	2	34	2.4
C95	Leukaemia unspecified	-	-	-	1	2	1	-	-	-	1	1	-	1	-	-	-	7	0.5
O&U	Other and unspecified	2	1	-	1	-	-	3	1	5	5	7	14	18	11	17	23	108	7.6
ALL	All sites	5	10	5	11	18	16	35	39	68	100	133	174	229	201	187	183	1414	100.0

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

Table 28: Number of incidence cancers by five-year age group and site (ICD 10): 2019-2020

Females Sangrur district

		% = Relative Proportion of Cancers of All Sites																		
ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%	
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C01-02	Tongue	-	-	-	-	-	-	-	-	2	2	1	1	3	2	1	4	16	1.1	
C03-C06	Mouth	-	-	-	-	-	1	-	-	-	-	2	2	1	4	-	-	10	0.7	
C07-C08	Salivary glands	-	1	-	-	-	-	2	-	-	-	-	-	1	-	2	-	6	0.4	
C09	Tonsil	-	-	-	-	1	-	-	1	1	-	-	-	-	1	-	1	5	0.3	
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4	0.3	
C11	Nasopharynx	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-	-	4	0.3	
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	1	1	-	2	2	2	1	10	0.7	
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.1	
C15	Oesophagus	-	-	-	-	1	1	2	4	6	11	16	12	14	13	23	23	126	8.6	
C16	Stomach	-	-	-	-	-	-	-	2	1	2	1	3	1	6	1	5	22	1.5	
C17	Small intestine	-	-	-	-	-	-	1	-	-	2	-	-	-	1	-	1	5	0.3	
C18	Colon	-	-	-	-	-	-	-	-	1	3	2	3	6	2	2	7	26	1.8	
C19-C20	Rectum	-	-	-	-	-	-	1	-	-	-	2	1	1	5	2	2	14	1.0	
C21	Anus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	0.1	
C22	Liver	-	-	-	-	-	-	-	1	1	3	7	11	9	15	6	7	60	4.1	
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	2	3	8	9	9	22	16	7	6	82	5.6	
C25	Pancreas	-	-	-	1	-	-	1	-	-	1	1	4	4	1	2	2	17	1.2	
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	1	-	-	1	-	-	1	-	1	2	6	0.4	
C32	Larynx	-	-	-	-	1	-	-	1	2	-	3	1	1	-	-	1	10	0.7	
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	2	5	3	2	7	2	9	3	33	2.2	
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C40-C41	Bone	-	-	1	1	-	1	-	-	-	-	-	-	3	1	2	-	9	0.6	
C43	Melanoma of skin	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	0.1	
C44	Other skin	-	-	-	-	-	1	2	-	-	2	4	2	3	2	4	3	23	1.6	
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C47,C49	Connective and soft tissue	1	-	1	1	-	-	1	-	1	-	1	-	-	1	-	-	7	0.5	
C50	Breast	-	-	-	-	1	2	22	28	39	57	60	53	55	43	25	24	409	27.8	
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	0.2	
C52	Vagina	-	-	-	-	-	-	-	1	1	-	-	1	1	1	-	-	5	0.3	
C53	Cervix uteri	-	-	-	-	-	1	-	9	20	23	23	20	23	6	10	9	144	9.8	
C54	Corpus uteri	-	-	-	-	1	-	1	1	2	2	2	5	7	8	3	3	35	2.4	
C55	Uterus unspecified	-	-	-	-	-	-	-	1	1	-	1	-	-	-	1	-	4	0.3	
C56	Ovary	-	-	-	1	3	3	4	10	15	13	11	12	17	19	11	5	124	8.4	
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.1	
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C64	Kidney	1	-	-	-	-	1	-	-	1	4	5	4	5	3	3	1	28	1.9	
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C67	Bladder	-	-	-	-	-	-	-	-	-	2	2	4	1	1	1	3	14	1.0	
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C69	Eye	1	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	4	0.3	
C70-C72	Brain, nervous system	-	2	-	-	1	-	1	2	1	-	-	2	3	2	2	1	17	1.2	
C73	Thyroid	-	-	-	1	3	-	6	3	1	-	-	2	1	4	3	-	24	1.6	
C74	Adrenal gland	1	-	-	-	-	-	1	-	-	1	-	1	-	1	-	-	5	0.3	
C81	Hodgkin disease	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	3	0.2	
C82-C86,C96	Non-Hodgkin lymphoma	-	-	1	-	-	-	2	2	2	1	3	1	2	5	3	3	25	1.7	
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0	
C90	Multiple myeloma	-	-	-	-	-	1	-	-	-	1	3	1	2	2	2	2	14	1.0	
C91	Lymphoid leukaemia	2	1	-	-	-	-	-	-	1	-	-	-	2	3	-	-	9	0.6	
C92-C94	Myeloid leukaemia	1	1	2	-	1	3	3	2	2	2	2	2	-	2	1	1	25	1.7	
C95	Leukaemia unspecified	-	2	-	1	-	1	-	2	-	-	-	-	-	1	-	-	7	0.5	
O&U	Other and unspecified	1	-	1	-	1	-	2	1	3	3	8	8	8	12	9	12	69	4.7	
Grand Total		8	8	6	7	14	17	54	75	112	152	175	168	207	189	144	133	1469	100.0	

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

Table 29: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population: 2019-2020– 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	-	-	-	-	-	-	0.7	-	-	-	-	1.6	2.9	-	-	-	0.2	0.2	0.6
C01-C02	-	-	-	-	-	-	2.9	0.8	3.3	6.5	10.2	14.7	13.1	15.1	10.0	6.5	3.0	3.2	7.3
C03-C06	-	-	-	-	-	-	1.5	2.3	1.7	7.4	11.3	6.5	14.5	18.8	7.5	10.8	2.9	3.1	6.7
C07-C08	-	-	-	0.5	-	-	-	-	-	2.8	1.1	-	1.5	7.5	-	-	0.5	0.5	0.9
C09	-	-	-	-	-	-	-	-	-	-	1.1	3.3	1.5	-	2.5	4.3	0.4	0.4	0.8
C10	-	-	-	-	-	-	1.5	0.8	0.8	-	2.3	11.4	8.7	-	2.5	4.3	1.1	1.2	3.3
C11	-	-	-	-	-	-	0.7	0.8	-	1.8	-	-	-	7.5	-	-	0.4	0.4	0.5
C12-C13	-	-	-	-	-	0.6	-	0.8	2.5	0.9	1.1	13.1	7.3	11.3	12.5	21.6	2.1	2.2	3.6
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	2.5	-	0.1	0.1	0.0
C15	-	-	-	-	0.5	-	-	1.6	3.3	6.5	11.3	37.5	34.9	41.4	52.3	32.3	6.6	7.1	13.4
C16	-	-	-	-	-	-	1.5	0.8	1.7	-	2.3	-	2.9	11.3	14.9	15.1	1.4	1.4	1.2
C17	-	-	-	-	-	-	-	-	-	1.8	-	1.6	2.9	-	2.5	-	0.3	0.3	0.9
C18	-	-	-	0.5	0.5	-	1.5	2.3	2.5	2.8	6.8	4.9	2.9	-	7.5	10.8	1.6	1.6	3.6
C19-C20	-	-	-	-	-	1.2	1.5	0.8	1.7	3.7	6.8	1.6	2.9	9.4	5.0	2.2	1.4	1.5	2.9
C21	-	-	-	-	-	-	-	-	0.8	-	-	3.3	2.9	-	-	2.2	0.3	0.3	1.0
C22	-	-	-	-	-	-	0.7	0.8	1.7	12.0	30.6	52.2	45.0	45.2	52.3	23.7	8.4	9.2	20.3
C23-C24	-	-	-	-	-	-	-	-	-	0.9	3.4	8.2	4.4	11.3	14.9	19.4	1.7	1.8	2.3
C25	-	-	-	-	0.5	-	0.7	0.8	2.5	3.7	1.1	8.2	8.7	9.4	5.0	8.6	1.7	1.8	3.7
C30-C31	-	0.6	-	-	-	-	-	0.8	-	-	1.1	-	-	-	-	-	0.2	0.2	0.3
C32	-	-	-	-	-	-	-	-	0.8	5.5	4.5	6.5	16.0	15.1	12.5	8.6	2.2	2.4	4.9
C33-C34	-	-	-	-	-	-	0.7	1.6	3.3	6.5	13.6	13.1	32.0	22.6	17.4	21.6	4.4	4.7	10.2
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C40-C41	-	-	-	0.5	1.0	-	1.5	0.8	2.5	-	-	1.6	1.5	1.9	5.0	4.3	0.8	0.8	1.0
C43	-	-	-	-	-	-	-	-	-	-	1.1	-	4.4	-	-	2.2	0.3	0.3	0.7
C44	-	-	-	-	0.5	-	0.7	-	0.8	0.9	1.1	4.9	4.4	11.3	2.5	15.1	1.3	1.3	1.7
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C47,C49	-	-	0.5	-	0.5	-	-	0.8	2.5	0.9	-	1.6	2.9	-	2.5	6.5	0.7	0.7	1.4
C50	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.9	-	4.3	0.2	0.2	0.2
C60	-	-	-	-	-	-	-	-	-	1.8	1.1	4.9	1.5	7.5	5.0	4.3	0.8	0.8	1.4
C61	-	-	-	-	-	-	-	-	-	1.8	6.8	11.4	17.4	35.8	87.2	69.0	5.8	5.8	5.2
C62	-	-	-	0.5	1.0	2.4	2.9	1.6	1.7	0.9	-	3.3	-	-	2.5	-	1.0	0.9	1.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C64	-	0.6	-	-	-	-	-	1.6	0.8	2.8	5.7	6.5	7.3	15.1	12.5	2.2	1.8	1.9	3.7
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C67	-	-	-	-	-	-	-	1.6	2.5	2.8	2.3	8.2	23.2	18.8	22.4	19.4	3.0	3.2	5.7
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C69	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	0.2	0.2	0.0
C70-C72	-	1.2	-	0.5	-	1.2	1.5	3.1	5.8	4.6	6.8	9.8	10.2	15.1	2.5	2.2	2.7	2.8	6.3
C73	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	5.0	-	0.2	0.1	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	5.0	-	0.2	0.2	0.2
C81	-	0.6	1.5	0.9	0.5	-	1.5	1.6	0.8	0.9	1.1	-	1.5	-	2.5	-	0.8	0.8	1.0
C82-C86,C96	-	1.2	-	0.5	-	2.4	-	2.3	3.3	1.8	5.7	4.9	4.4	11.3	19.9	6.5	2.3	2.3	3.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C90	-	-	-	-	-	-	-	-	0.8	-	-	6.5	4.4	1.9	14.9	-	0.8	0.8	1.6
C91	0.7	1.2	0.5	0.5	0.5	0.6	0.7	-	0.8	1.8	-	3.3	5.8	3.8	5.0	10.8	1.3	1.4	1.7
C92-C94	-	-	-	-	2.5	0.6	0.7	0.8	3.3	2.8	1.1	4.9	10.2	5.6	7.5	4.3	1.7	1.8	3.5
C95	-	-	-	0.5	1.0	0.6	-	-	-	0.9	1.1	-	1.5	-	-	-	0.4	0.3	0.5
O&U	1.3	0.6	-	0.5	-	-	2.2	0.8	4.2	4.6	7.9	22.9	26.2	20.7	42.3	49.6	5.5	5.8	9.5
ALL	3.3	5.8	2.6	5.2	9.0	9.6	25.4	30.4	56.5	92.3	150.7	284.0	332.7	378.3	465.8	394.4	72.5	76.2	138.6

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

Table 30: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population: 2019-2020– 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C01-02	-	-	-	-	-	-	-	-	1.7	2.0	1.3	1.6	4.2	4.2	3.0	8.8	0.9	0.9	1.7
C03-C06	-	-	-	-	-	0.7	-	-	-	-	2.6	3.3	1.4	8.3	-	-	0.6	0.6	1.0
C07-C08	-	0.7	-	-	-	-	1.5	-	-	-	-	-	1.4	-	6.0	-	0.3	0.3	0.2
C09	-	-	-	-	0.6	-	-	0.8	0.9	-	-	-	-	2.1	-	2.2	0.3	0.3	0.3
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	2.2	0.2	0.2	0.0
C11	-	-	-	-	-	-	0.8	-	0.9	1.0	-	1.6	-	-	-	-	0.2	0.2	0.6
C12-C13	-	-	-	-	-	-	-	-	0.9	1.0	1.3	-	2.8	4.2	6.0	2.2	0.6	0.6	0.9
C14	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	0.1	0.1	0.2
C15	-	-	-	-	0.6	0.7	1.5	3.2	5.1	10.8	20.9	19.8	19.6	27.1	68.9	50.8	7.3	7.2	12.2
C16	-	-	-	-	-	-	-	1.6	0.9	2.0	1.3	4.9	1.4	12.5	3.0	11.0	1.3	1.2	1.9
C17	-	-	-	-	-	-	0.8	-	-	2.0	-	-	-	2.1	-	2.2	0.3	0.3	0.4
C18	-	-	-	-	-	-	-	-	0.9	3.0	2.6	4.9	8.4	4.2	6.0	15.5	1.5	1.4	2.9
C19-C20	-	-	-	-	-	-	0.8	-	-	-	2.6	1.6	1.4	10.4	6.0	4.4	0.8	0.8	0.8
C21	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	3.0	-	0.1	0.1	0.2
C22	-	-	-	-	-	-	-	0.8	0.9	3.0	9.1	18.1	12.6	31.2	18.0	15.5	3.5	3.6	6.3
C23-C24	-	-	-	-	-	-	-	1.6	2.6	7.9	11.7	14.8	30.8	33.3	21.0	13.3	4.8	4.8	10.1
C25	-	-	-	0.6	-	-	0.8	-	-	1.0	1.3	6.6	5.6	2.1	6.0	4.4	1.0	1.0	2.0
C30-C31	-	-	-	-	-	-	0.8	-	-	1.0	-	-	1.4	-	3.0	4.4	0.3	0.3	0.4
C32	-	-	-	-	0.6	-	-	0.8	1.7	-	3.9	1.6	1.4	-	-	2.2	0.6	0.6	1.5
C33-C34	-	-	-	-	-	-	-	-	1.7	4.9	3.9	3.3	9.8	4.2	27.0	6.6	1.9	1.9	3.6
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C40-C41	-	-	0.7	0.6	-	0.7	-	-	-	-	-	-	4.2	2.1	6.0	-	0.5	0.5	0.5
C43	-	-	-	-	-	-	-	-	0.9	-	-	-	-	2.1	-	-	0.1	0.1	0.2
C44	-	-	-	-	-	0.7	1.5	-	-	2.0	5.2	3.3	4.2	4.2	12.0	6.6	1.3	1.3	2.2
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C47,C49	0.8	-	0.7	0.6	-	-	0.8	-	0.9	-	1.3	-	-	2.1	-	-	0.4	0.4	0.4
C50	-	-	-	-	0.6	1.3	16.8	22.5	33.4	56.1	78.3	87.2	77.1	89.6	74.9	53.0	23.7	23.6	55.5
C51	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	6.0	-	0.2	0.2	0.2
C52	-	-	-	-	-	-	-	0.8	0.9	-	-	1.6	1.4	2.1	-	-	0.3	0.3	0.7
C53	-	-	-	-	-	0.7	-	7.2	17.1	22.7	30.0	32.9	32.2	12.5	30.0	19.9	8.4	8.4	22.3
C54	-	-	-	-	0.6	-	0.8	0.8	1.7	2.0	2.6	8.2	9.8	16.7	9.0	6.6	2.0	2.0	3.6
C55	-	-	-	-	-	-	-	0.8	0.9	-	1.3	-	-	-	3.0	-	0.2	0.2	0.5
C56	-	-	-	0.6	1.7	2.0	3.1	8.0	12.8	12.8	14.4	19.8	23.8	39.6	33.0	11.0	7.2	7.1	14.5
C57	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	0.1	0.1	0.2
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C64	0.8	-	-	-	-	0.7	-	-	0.9	3.9	6.5	6.6	7.0	6.2	9.0	2.2	1.6	1.7	3.7
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C67	-	-	-	-	-	-	-	-	-	2.0	2.6	6.6	1.4	2.1	3.0	6.6	0.8	0.8	1.8
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C69	0.8	0.7	-	-	-	0.7	-	-	-	-	-	-	-	2.1	-	-	0.2	0.3	0.0
C70-C72	-	1.5	-	-	0.6	-	0.8	1.6	0.9	-	-	3.3	4.2	4.2	6.0	2.2	1.0	1.0	1.4
C73	-	-	-	0.6	1.7	-	4.6	2.4	0.9	-	-	3.3	1.4	8.3	9.0	-	1.4	1.3	1.2
C74	0.8	-	-	-	-	-	0.8	-	-	1.0	-	1.6	-	2.1	-	-	0.3	0.3	0.4
C81	-	-	-	0.6	-	-	-	1.6	-	-	-	-	-	-	-	-	0.2	0.2	0.3
C82-C86,C96	-	-	0.7	-	-	-	1.5	1.6	1.7	1.0	3.9	1.6	2.8	10.4	9.0	6.6	1.5	1.4	2.0
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C90	-	-	-	-	-	0.7	-	-	-	1.0	3.9	1.6	2.8	4.2	6.0	4.4	0.8	0.8	1.4
C91	1.6	0.7	-	-	-	-	-	-	0.9	-	-	-	2.8	6.2	-	-	0.5	0.6	0.5
C92-C94	0.8	0.7	1.3	-	0.6	2.0	2.3	1.6	1.7	2.0	2.6	3.3	-	4.2	3.0	2.2	1.5	1.4	1.9
C95	-	1.5	-	0.6	-	0.7	-	1.6	-	-	-	-	-	2.1	-	-	0.4	0.4	0.3
O&U	0.8	-	0.7	-	0.6	-	1.5	0.8	2.6	3.0	10.4	13.2	11.2	25.0	27.0	26.5	4.0	4.0	6.1
Grand Total	6.2	5.8	4.0	4.2	7.9	11.1	41.3	60.2	95.9	149.7	228.3	276.5	290.1	393.7	431.6	293.7	85.2	84.8	169.1

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

Table 31: 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) 2019-2020: Males

ICD 10	Site	Cum Rate (0-64)	Cum Risk (0-64)	Cum Rate (0-74)	Cum Risk (0-74)
C00	Lip	0.0003	0.0003	0.0003	0.0003
C01-02	Tongue	0.0026	0.0026	0.0038	0.0038
C03-C06	Mouth	0.0023	0.0023	0.0036	0.0036
C07-C08	Salivary glands	0.0003	0.0003	0.0007	0.0007
C09	Tonsil	0.0003	0.0003	0.0004	0.0004
C10	Other oropharynx	0.0013	0.0013	0.0014	0.0014
C11	Nasopharynx	0.0002	0.0002	0.0005	0.0005
C12-C13	Hypopharynx	0.0013	0.0013	0.0025	0.0025
C14	Pharynx unspecified	-	-	0.0002	0.0002
C15	Oesophagus	0.0048	0.0048	0.0095	0.0094
C16	Stomach	0.0005	0.0005	0.0018	0.0018
C17	Small intestine	0.0003	0.0003	0.0004	0.0004
C18	Colon	0.0012	0.0012	0.0016	0.0016
C19-C20	Rectum	0.001	0.001	0.0017	0.0017
C21	Anus	0.0004	0.0004	0.0004	0.0004
C22	Liver	0.0072	0.0071	0.012	0.012
C23-C24	Gallbladder etc.	0.0008	0.0008	0.0022	0.0022
C25	Pancreas	0.0013	0.0013	0.002	0.002
C30-C31	Nose, sinuses etc.	0.0001	0.0001	0.0001	0.0001
C32	Larynx	0.0017	0.0017	0.003	0.003
C33-C34	Trachea, bronchus and lung	0.0035	0.0035	0.0055	0.0055
C37-C38	Other thoracic organs	-	-	-	-
C40-C41	Bone	0.0005	0.0005	0.0008	0.0008
C43	Melanoma of skin	0.0003	0.0003	0.0003	0.0003
C44	Other skin	0.0007	0.0007	0.0014	0.0014
C45	Mesothelioma	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-
C47,C49	Connective and soft tissue	0.0005	0.0005	0.0006	0.0006
C50	Breast	0.0001	0.0001	0.0002	0.0002
C60	Penis	0.0005	0.0005	0.0011	0.0011
C61	Prostate	0.0019	0.0019	0.008	0.008
C62	Testis	0.0007	0.0007	0.0008	0.0008
C63	Other male genital organs	-	-	-	-
C64	Kidney	0.0013	0.0013	0.0026	0.0026
C65	Renal pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.002	0.002	0.0041	0.0041
C68	Other urinary organs	-	-	-	-
C69	Eye	0.0001	0.0001	0.0001	0.0001
C70-C72	Brain, nervous system	0.0022	0.0022	0.0031	0.0031
C73	Thyroid	-	-	0.0003	0.0003
C74	Adrenal gland	0.0001	0.0001	0.0003	0.0003
C81	Hodgkin disease	0.0005	0.0005	0.0007	0.0007
C82-C86,C96	Non-Hodgkin lymphoma	0.0013	0.0013	0.0029	0.0029
C88	Immunoproliferative diseases	-	-	-	-
C90	Multiple myeloma	0.0006	0.0006	0.0014	0.0014
C91	Lymphoid leukaemia	0.0008	0.0008	0.0013	0.0012
C92-C94	Myeloid leukaemia	0.0013	0.0013	0.0020	0.0020
C95	Leukaemia unspecified	0.0003	0.0003	0.0003	0.0003
O&U	Other and unspecified	0.0036	0.0035	0.0067	0.0067
Grand total		0.0504	0.0491	0.0926	0.0884

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

Table 32: 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) 2019-2020: Females

ICD 10	Site	Cum Rate (0-64)	Cum Risk (0-64)	Cum Rate (0-74)	Cum Risk (0-74)
C00	Lip	-	-	-	-
C01-C02	Tongue	0.0005	0.0005	0.0009	0.0009
C03-C06	Mouth	0.0004	0.0004	0.0008	0.0008
C07-C08	Salivary glands	0.0002	0.0002	0.0005	0.0005
C09	Tonsil	0.0001	0.0001	0.0002	0.0002
C10	Other oropharynx	-	-	0.0004	0.0004
C11	Nasopharynx	0.0002	0.0002	0.0002	0.0002
C12-C13	Hypopharynx	0.0003	0.0003	0.0008	0.0008
C14	Pharynx unspecified	0.0001	0.0001	0.0001	0.0001
C15	Oesophagus	0.0041	0.0041	0.0089	0.0089
C16	Stomach	0.0006	0.0006	0.0014	0.0014
C17	Small intestine	0.0001	0.0001	0.0002	0.0002
C18	Colon	0.0010	0.0010	0.0015	0.0015
C19-C20	Rectum	0.0003	0.0003	0.0011	0.0011
C21	Anus	0.0000	0.0000	0.0002	0.0002
C22	Liver	0.0022	0.0022	0.0047	0.0047
C23-C24	Gallbladder etc.	0.0035	0.0035	0.0062	0.0062
C25	Pancreas	0.0008	0.0008	0.0012	0.0012
C30-C31	Nose, sinuses etc.	0.0002	0.0002	0.0003	0.0003
C32	Larynx	0.0005	0.0005	0.0005	0.0005
C33-C34	Trachea, bronchus and lung	0.0012	0.0012	0.0027	0.0027
C37-38	Other thoracic organs	-	-	-	-
C40-C41	Bone	0.0003	0.0003	0.0007	0.0007
C43	Melanoma of skin	0.0000	0.0000	0.0001	0.0001
C44	Other skin	0.0008	0.0008	0.0017	0.0016
C45	Mesothelioma	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-
C47,C49	Connective and soft tissue	0.0002	0.0002	0.0004	0.0004
C50	Breast	0.0187	0.0185	0.0269	0.0265
C51	Vulva	0.0001	0.0001	0.0004	0.0004
C52	Vagina	0.0002	0.0002	0.0003	0.0003
C53	Cervix uteri	0.0071	0.0071	0.0093	0.0092
C54	Corpus uteri	0.0013	0.0013	0.0026	0.0026
C55	Uterus unspecified	0.0001	0.0001	0.0003	0.0003
C56	Ovary	0.0049	0.0049	0.0086	0.0085
C57	Other female genital organs	0.0001	0.0001	0.0001	0.0001
C58	Placenta	-	-	-	-
C64	Kidney	0.0013	0.0013	0.0021	0.0021
C65	Renal pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.0006	0.0006	0.0009	0.0009
C68	Other urinary organs	-	-	-	-
C69	Eye	0.0001	0.0001	0.0002	0.0002
C70-C72	Brain, nervous system	0.0006	0.0006	0.0011	0.0011
C73	Thyroid	0.0007	0.0007	0.0016	0.0016
C74	Adrenal gland	0.0002	0.0002	0.0003	0.0003
C81	Hodgkin disease	0.0001	0.0001	0.0001	0.0001
C82-C86,C96	Non-Hodgkin lymphoma	0.0007	0.0007	0.0017	0.0017
C88	Immunoproliferative diseases	-	-	-	-
C90	Multiple myeloma	0.0005	0.0005	0.0010	0.0010
C91	Lymphoid leukaemia	0.0003	0.0003	0.0006	0.0006
C92-C94	Myeloid leukaemia	0.0009	0.0009	0.0013	0.0013
C95	Leukaemia unspecified	0.0002	0.0002	0.0003	0.0003
O&U	Other and unspecified	0.0022	0.0022	0.0048	0.0048
	Grand Total	0.0591	0.0574	0.1003	0.0955

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

**Table 33: Number (#) and Proportion (%) of cancers by site (ICD -10) and method of diagnosis:
2019-2020 – Males Sangrur district**

ICD 10	Site	DCO		Clinical		Radiology		Tumour marker		Microscopic		Other		Total	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
C00	Lip	-	-	-	-	-	-	-	-	4	100.0	-	-	4	100
C01-C02	Tongue	-	-	1	1.7	1	1.7	-	-	56	96.6	-	-	58	100
C03-C06	Mouth	-	-	2	3.5	-	-	-	-	55	96.5	-	-	57	100
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	10	100.0	-	-	10	100
C09	Tonsil	-	-	-	-	-	-	-	-	7	100.0	-	-	7	100
C10	Other oropharynx	-	-	-	-	1	4.5	-	-	21	95.5	-	-	22	100
C11	Nasopharynx	-	-	-	-	-	-	-	-	8	100.0	-	-	8	100
C12-C13	Hypopharynx	-	-	-	-	1	2.4	-	-	40	97.6	-	-	41	100
C14	Pharynx unspecified	-	-	1	50.0	-	-	-	-	1	50.0	-	-	2	100
C15	Oesophagus	6	4.7	1	0.8	7	5.4	-	-	103	79.8	12	9.3	129	100
C16	Stomach	1	3.6	-	-	4	14.3	-	-	22	78.6	1	3.6	28	100
C17	Small intestine	-	-	-	-	1	16.7	-	-	5	83.3	-	-	6	100
C18	Colon	2	6.3	1	3.1	3	9.4	-	-	25	78.1	1	3.1	32	100
C19-C20	Rectum	-	-	-	-	3	10.7	-	-	24	85.7	1	3.6	28	100
C21	Anus	-	-	-	-	1	16.7	-	-	5	83.3	-	-	6	100
C22	Liver	11	6.7	6	3.7	91	55.8	5	3.1	46	28.2	4	2.5	163	100
C23-C24	Gallbladder etc.	-	-	1	3.0	13	39.4	-	-	18	54.5	1	3.0	33	100
C25	Pancreas	-	-	3	9.1	3	9.1	-	-	27	81.8	-	-	33	100
C30-C31	Nose, sinuses etc.	-	-	1	33.3	-	-	-	-	2	66.7	-	-	3	100
C32	Larynx	-	-	2	4.7	4	9.3	-	-	37	86.0	-	-	43	100
C33-C34	Trachea, bronchus and lung	3	3.5	1	1.2	11	12.9	-	-	70	82.4	-	-	85	100
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	1	6.3	1	6.3	1	6.3	-	-	13	81.3	-	-	16	100
C43	Melanoma of skin	-	-	-	-	-	-	-	-	5	100.0	-	-	5	100
C44	Other skin	-	-	1	4.0	-	-	-	-	24	96.0	-	-	25	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47-C49	Connective and soft tissue	1	7.1	-	-	-	-	-	-	13	92.9	-	-	14	100
C50	Breast	-	-	-	-	-	-	-	-	4	100.0	-	-	4	100
C60	Penis	-	-	-	-	-	-	-	-	15	100.0	-	-	15	100
C61	Prostate	1	0.9	5	4.4	4	3.5	4	3.5	98	86.7	1	0.9	113	100
C62	Testis	-	-	-	-	-	-	-	-	18	94.7	1	5.3	19	100
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	5	14.3	12	34.3	-	-	17	48.6	1	2.9	35	100
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	1	1.7	3	5.1	4	6.8	-	-	50	84.7	1	1.7	59	100
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	1	33.3	-	-	2	66.7	-	-	3	100
C70-C72	Brain, nervous system	5	9.6	1	1.9	12	23.1	-	-	33	63.5	1	1.9	52	100
C73	Thyroid	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C74	Adrenal gland	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C81	Hodgkin disease	-	-	-	-	-	-	-	-	16	100.0	-	-	16	100
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	44	100.0	-	-	44	100
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	14	93.3	1	6.7	15	100
C91	Lymphoid leukemia	-	-	-	-	-	-	-	-	26	100.0	-	-	26	100
C92-C94	Myeloid leukemia	-	-	-	-	-	-	-	-	34	100.0	-	-	34	100
C95	Leukemia unspecified	1	14.3	-	-	-	-	-	-	5	71.4	1	14.3	7	100
O&U	Other and unspecified	15	13.9	9	8.3	24	22.2	-	-	47	43.5	13	12.0	108	100
Grand Total		48	3.4	45	3.2	202	14.3	9	0.6	1070	75.7	40	2.8	1414	100

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

** Other: Information based on patient's relatives, medical note and DCO

**Table 34: Number (#) and Proportion (%) of cancers by site (ICD -10) and method of diagnosis:
2019-2020– Females Sangrur district**

ICD 10	Site	DCO		Clinical		Radiology		Tumour marker		Microscopic		Other		Total	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	1	6.3	-	-	15	93.8	-	-	16	100
C03-C06	Mouth	-	-	1	10	-	-	-	-	8	80	1	10	10	100
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	6	100	-	-	6	100
C09	Tonsil	-	-	-	-	-	-	-	-	5	100	-	-	5	100
C10	Other oropharynx	-	-	-	-	-	-	-	-	4	100	-	-	4	100
C11	Nasopharynx	-	-	-	-	-	-	-	-	4	100	-	-	4	100
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	10	100	-	-	10	100
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	1	100	-	-	1	100
C15	Oesophagus	4	3.2	2	1.6	5	4	-	-	109	86.5	6	4.8	126	100
C16	Stomach	3	13.6	2	9.1	3	13.6	-	-	13	59.1	1	4.5	22	100
C17	Small intestine	-	-	-	-	-	-	-	-	5	100	-	-	5	100
C18	Colon	-	-	1	3.8	7	26.9	-	-	17	65.4	1	3.8	26	100
C19-C20	Rectum	-	-	1	7.1	4	28.6	-	-	9	64.3	-	-	14	100
C21	Anus	-	-	-	-	-	-	-	-	2	100	-	-	2	100
C22	Liver	8	13.3	-	-	37	61.7	-	-	13	21.7	2	3.3	60	100
C23-C24	Gallbladder etc.	2	2.4	2	2.4	24	29.3	1	1.2	53	64.6	-	-	82	100
C25	Pancreas	1	5.9	-	-	4	23.5	1	5.9	11	64.7	-	-	17	100
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	6	100	-	-	6	100
C32	Larynx	-	-	1	10	-	-	-	-	9	90	-	-	10	100
C33-C34	Trachea, bronchus and lung	1	3	2	6.1	2	6.1	-	-	28	84.8	-	-	33	100
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	11.1	-	-	-	-	8	88.9	-	-	9	100
C43	Melanoma of skin	-	-	-	-	-	-	-	-	2	100	-	-	2	100
C44	Other skin	-	-	-	-	-	-	-	-	22	95.7	1	4.3	23	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	-	6	100	-	-	6	100
C50	Breast	1	0.2	4	1	8	2	-	-	390	95.4	6	1.5	409	100
C51	Vulva	-	-	-	-	-	-	-	-	3	100	-	-	3	100
C52	Vagina	-	-	-	-	-	-	-	-	5	100	-	-	5	100
C53	Cervix uteri	6	4.2	1	0.7	4	2.8	-	-	132	91.7	1	0.7	144	100
C54	Corpus uteri	-	-	-	-	2	5.7	-	-	33	94.3	-	-	35	100
C55	Uterus unspecified	-	-	-	-	1	25	-	-	3	75	-	-	4	100
C56	Ovary	1	0.8	3	2.4	15	12.1	4	3.2	100	80.6	1	0.8	124	100
C57	Other female genital organs	-	-	-	-	-	-	-	-	1	100	-	-	1	100
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	12	42.9	-	-	16	57.1	-	-	28	100
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	2	14.3	1	7.1	-	-	11	78.6	-	-	14	100
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	1	25	-	-	3	75	-	-	4	100
C70-C72	Brain, nervous system	2	11.8	-	-	5	29.4	-	-	8	47.1	2	11.8	17	100
C73	Thyroid	-	-	-	-	1	4.2	-	-	23	95.8	-	-	24	100
C74	Adrenal gland	-	-	-	-	1	20	-	-	4	80	-	-	5	100
C81	Hodgkin disease	-	-	-	-	-	-	-	-	3	100	-	-	3	100
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	1	3.8	-	-	25	96.2	-	-	26	100
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	1	7.1	-	-	-	-	13	92.9	-	-	14	100
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	9	100	-	-	9	100
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	25	100	-	-	25	100
C95	Leukaemia unspecified	-	-	1	12.5	-	-	-	-	5	62.5	2	25	8	100
O&U	Other and unspecified	16	23.5	2	2.9	17	25	-	-	26	38.2	7	10.3	68	100
	All Sites	45	3.1	27	1.8	156	10.6	6	0.4	1204	82	31	2.1	1469	100

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

** Other: Information based on patient's relatives, medical note and DCO

6 case of specific tumor marker

Table 35: Number of cancer deaths by five-year age group and site (ICD 10): 2019-2020

Males Sangrur district (% = Relative Proportion of Cancers of All Sites)

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	0.2
C01-02	Tongue	-	-	-	-	-	1	1	1	6	4	9	5	12	7	7	3	56	4.6
C03-C06	Mouth	-	-	-	-	-	-	2	1	4	7	8	6	9	10	4	4	55	4.5
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	1	1	2	1	-	-	-	5	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	1	2	1	1	-	1	2	8	0.7
C10	Other oropharynx	-	-	-	-	-	-	-	1	2	1	1	4	7	1	1	2	20	1.7
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	1	-	3	1	-	5	0.4
C12-C13	Hypopharynx	-	-	-	-	1	1	-	2	2	-	4	5	6	8	2	10	41	3.4
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	1	2	1	-	1	1	-	6	0.5
C15	Oesophagus	-	-	-	-	3	-	-	2	4	6	14	20	16	17	19	13	114	9.4
C16	Stomach	-	-	-	-	-	-	1	1	-	1	2	-	2	4	3	4	18	1.5
C17	Small intestine	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	3	0.2
C18	Colon	-	-	-	1	2	-	-	2	3	1	2	2	2	1	2	3	21	1.7
C19-C20	Rectum	-	-	-	-	-	1	2	2	4	4	6	2	2	2	4	1	30	2.5
C21	Anus	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	2	9	0.7
C22	Liver	-	-	-	-	-	-	1	1	3	11	20	34	30	28	25	11	164	13.6
C23-C24	Gallbladder etc.	-	-	-	-	-	-	1	-	-	1	4	4	8	6	5	7	36	3.0
C25	Pancreas	-	-	-	-	1	-	1	1	3	5	2	5	8	7	3	5	41	3.4
C30-C31	Nose, sinuses etc.	-	1	-	-	-	1	-	-	-	-	1	-	-	1	-	1	5	0.4
C32	Larynx	-	-	-	-	-	-	1	-	-	6	3	7	9	7	4	4	41	3.4
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	3	4	5	12	8	24	12	9	11	88	7.3
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	2	1	-	-	1	-	-	1	2	1	2	-	11	0.9
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	2	6	0.5
C44	Other skin	-	-	-	-	-	-	-	-	1	1	-	-	1	3	1	-	7	0.6
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	1	-	-	-	1	1	-	1	2	1	-	1	1	1	-	3	13	1.1
C50	Breast	-	-	-	-	-	-	-	-	-	-	1	2	1	2	-	1	7	0.6
C60	Penis	-	-	-	-	-	-	-	-	-	2	1	-	1	1	1	1	7	0.6
C61	Prostate	-	-	-	-	-	-	-	-	1	-	2	3	10	24	17	29	86	7.1
C62	Testis	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2	0.2
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	1	-	-	-	-	-	-	1	2	7	2	3	6	4	2	28	2.3
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	2	2	1	1	6	13	2	3	7	37	3.1
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4	0.3
C70-C72	Brain, nervous system	1	2	-	1	-	1	1	1	4	4	5	6	5	7	2	1	41	3.4
C73	Thyroid	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	3	0.2
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.2
C81	Hodgkin disease	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	2	0.2
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	1	3	4	2	4	2	3	5	5	2	32	2.6
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	2	3	3	1	2	-	11	0.9
C91	Lymphoid leukaemia	2	-	1	-	3	-	-	-	-	1	3	3	1	1	-	2	17	1.4
C92-C94	Myeloid leukaemia	-	-	-	-	1	1	-	-	-	1	-	1	3	4	1	2	14	1.2
C95	Leukaemia unspecified	-	-	1	1	2	1	1	-	-	1	1	-	1	2	-	-	11	0.9
O&U	Other and unspecified	2	1	-	-	-	-	3	1	3	6	10	13	15	10	17	20	101	8.3
	Grand Total	8	5	2	5	16	11	16	26	56	80	132	153	206	188	149	157	1210	100.0

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

Table 36: Number of cancer deaths by five-year age group and site (ICD 10): 2019-2020
Females Sangrur district (% = Relative Proportion of Cancers of All Sites)

ICD10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	1	-	1	2	2	2	-	2	2	-	5	17	1.7
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	-	6	0.6
C07-C08	Salivary glands	-	1	-	-	-	-	1	-	1	-	-	-	1	-	-	-	4	0.4
C09	Tonsil	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	3	0.3
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.1
C11	Nasopharynx	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	0.2
C12-C13	Hypopharynx	-	-	-	-	1	-	-	-	1	2	-	2	1	2	3	2	14	1.4
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.1
C15	Oesophagus	-	-	-	-	-	1	1	4	2	8	15	15	17	15	15	17	110	10.7
C16	Stomach	-	-	-	-	-	-	-	2	1	-	3	1	2	6	1	4	20	1.9
C17	Small intestine	-	-	-	-	-	-	-	-	-	2	-	1	-	1	-	1	5	0.5
C18	Colon	-	-	-	-	-	-	-	-	-	3	-	2	4	1	3	7	20	1.9
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	2	-	-	-	1	2	1	6	0.6
C21	Anus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.1
C22	Liver	-	-	-	-	-	-	-	1	1	1	5	12	9	18	4	6	57	5.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	4	5	9	6	9	16	11	12	4	76	7.4
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	3	1	1	3	1	11	1.1
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	2	5	0.5
C32	Larynx	-	-	-	-	1	1	-	-	-	-	2	2	2	-	1	1	10	1.0
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1	1	2	3	5	5	7	5	8	3	40	3.9
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	Bone	-	-	2	-	1	-	-	-	-	-	-	-	2	1	2	-	8	0.8
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.1
C44	Other skin	-	-	-	-	-	-	1	-	-	-	-	-	3	-	2	3	9	0.9
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	4	0.4
C50	Breast	-	-	-	-	-	3	10	12	18	26	30	19	27	18	20	23	206	20.0
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	0.3
C52	Vagina	-	-	-	-	-	-	-	1	1	1	-	-	1	1	-	2	7	0.7
C53	Cervix uteri	-	-	-	-	-	-	2	5	12	13	12	17	18	7	10	9	105	10.2
C54	Corpus uteri	-	-	-	-	-	-	-	1	2	3	1	2	2	4	4	3	22	2.1
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.2
C56	Ovary	-	-	-	-	-	-	1	1	2	15	7	9	10	12	6	3	66	6.4
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	1	1	1	3	3	1	2	-	12	1.2
C65	Renal pelvis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.1
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	1	1	-	2	2	1	-	2	9	0.9
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.1
C70-C72	Brain, nervous system	-	3	-	-	2	-	1	1	2	3	1	2	2	2	2	1	22	2.1
C73	Thyroid	-	-	-	-	-	-	1	-	-	-	-	1	2	2	3	1	10	1.0
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C81	Hodgkin disease	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	3	0.3
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	1	3	1	1	-	1	1	5	2	3	19	1.8
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	1	2	-	2	3	1	-	9	0.9
C91	Lymphoid leukaemia	-	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	3	0.3
C92-C94	Myeloid leukaemia	1	-	1	1	-	1	-	2	2	1	1	1	2	2	2	1	18	1.8
C95	Leukaemia unspecified	1	-	-	1	-	-	-	4	-	-	-	1	-	2	1	-	10	1.0
O&U	Other and unspecified	1	-	1	-	-	-	2	-	2	6	7	5	8	12	10	15	69	6.7
	Grand Total	4	5	4	2	6	8	22	46	59	109	107	119	153	139	123	123	1029	100

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

Table 37: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs) (TR) Mortality Rate per 100,000 population: 2019-2020 – Males Sangrur district

ICD 10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	1.6	-	1.9	-	-	0.1	0.1	0.2
C01-02	-	-	-	-	-	0.6	0.7	0.8	5	3.7	10.2	8.2	17.4	13.2	17.4	6.5	2.9	3.1	6.8
C03-C06	-	-	-	-	-	-	1.5	0.8	3.3	6.5	9.1	9.8	13.1	18.8	10	8.6	2.8	3	6.5
C07-C08	-	-	-	-	-	-	-	-	-	0.9	1.1	3.3	1.5	-	-	-	0.3	0.3	1
C09	-	-	-	-	-	-	-	-	-	0.9	2.3	1.6	1.5	-	2.5	4.3	0.4	0.4	0.9
C10	-	-	-	-	-	-	-	0.8	1.7	0.9	1.1	6.5	10.2	1.9	2.5	4.3	1	1.1	3
C11	-	-	-	-	-	-	-	-	-	-	-	1.6	-	5.6	2.5	-	0.3	0.3	0.2
C12-C13	-	-	-	-	0.5	0.6	-	1.6	1.7	-	4.5	8.2	8.7	15.1	5	21.6	2.1	2.2	3.5
C14	-	-	-	-	-	-	-	-	-	0.9	2.3	1.6	-	1.9	2.5	-	0.3	0.3	0.8
C15	-	-	-	-	1.5	-	-	1.6	3.3	5.5	15.9	32.6	23.2	32	47.3	28	5.8	6.2	11.8
C16	-	-	-	-	-	-	0.7	0.8	-	0.9	2.3	-	2.9	7.5	7.5	8.6	0.9	0.9	1.1
C17	-	-	-	-	-	-	-	-	-	0.9	-	-	1.5	-	-	2.2	0.2	0.2	0.4
C18	-	-	-	0.5	1	-	-	1.6	2.5	0.9	2.3	3.3	2.9	1.9	5	6.5	1.1	1.1	2.1
C19-C20	-	-	-	-	-	0.6	1.5	1.6	3.3	3.7	6.8	3.3	2.9	3.8	10	2.2	1.5	1.6	3.6
C21	-	-	-	-	-	-	-	0.8	0.8	0.9	1.1	1.6	1.5	1.9	-	4.3	0.5	0.5	1.1
C22	-	-	-	-	-	-	0.7	0.8	2.5	10.1	22.7	55.5	43.6	52.7	62.3	23.7	8.4	9.2	19
C23-C24	-	-	-	-	-	-	0.7	-	-	0.9	4.5	6.5	11.6	11.3	12.5	15.1	1.8	1.9	3.3
C25	-	-	-	-	0.5	-	0.7	0.8	2.5	4.6	2.3	8.2	11.6	13.2	7.5	10.8	2.1	2.2	4.4
C30-C31	-	0.6	-	-	-	0.6	-	-	-	-	1.1	-	-	1.9	-	2.2	0.3	0.3	0.2
C32	-	-	-	-	-	-	0.7	-	-	5.5	3.4	11.4	13.1	13.2	10	8.6	2.1	2.3	4.8
C33-C34	-	-	-	-	-	-	-	2.3	3.3	4.6	13.6	13.1	34.9	22.6	22.4	23.7	4.5	4.8	10.4
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	0.5	1	0.6	-	-	0.8	-	-	1.6	2.9	1.9	5	-	0.6	0.6	0.7
C43	-	-	-	-	-	-	-	-	-	-	1.1	-	4.4	-	-	4.3	0.3	0.3	0.7
C44	-	-	-	-	-	-	-	-	0.8	0.9	-	-	1.5	5.6	2.5	-	0.4	0.4	0.5
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	0.7	-	-	-	0.5	0.6	-	0.8	1.7	0.9	-	1.6	1.5	1.9	-	6.5	0.7	0.7	1
C50	-	-	-	-	-	-	-	-	-	-	1.1	3.3	1.5	3.8	-	2.2	0.4	0.4	0.8
C60	-	-	-	-	-	-	-	-	-	1.8	1.1	-	1.5	1.9	2.5	2.2	0.4	0.4	0.7
C61	-	-	-	-	-	-	-	-	0.8	-	2.3	4.9	14.5	45.2	42.3	62.5	4.4	4.4	3
C62	-	-	-	-	-	0.6	-	-	0.8	-	-	-	-	-	-	-	0.1	0.1	0.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	0.6	-	-	-	-	-	-	0.8	1.8	7.9	3.3	4.4	11.3	10	4.3	1.4	1.5	2.8
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	1.6	1.7	0.9	1.1	9.8	18.9	3.8	7.5	15.1	1.9	2	4.7
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.2	0.2	0.3	-
C70-C72	0.7	1.2	-	0.5	-	0.6	0.7	0.8	3.3	3.7	5.7	9.8	7.3	13.2	5	2.2	2.1	2.3	4.6
C73	-	-	-	-	-	-	-	-	-	0.9	-	-	1.5	1.9	-	-	0.2	0.2	0.4
C74	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	2.5	-	0.1	0.1	0.2
C75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	2.5	-	0.1	0.1	-
C82-C86,C96	-	-	-	-	-	0.6	0.7	2.3	3.3	1.8	4.5	3.3	4.4	9.4	12.5	4.3	1.6	1.7	3.2
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	2.3	4.9	4.4	1.9	5	-	0.6	0.6	1.6
C91	1.3	-	0.5	-	1.5	-	-	-	-	0.9	3.4	4.9	1.5	1.9	-	4.3	0.9	0.9	1.5
C92-C94	-	-	-	-	0.5	0.6	-	-	-	0.9	-	1.6	4.4	7.5	2.5	4.3	0.7	0.7	1
C95	-	-	0.5	0.5	1	0.6	0.7	-	-	0.9	1.1	-	1.5	3.8	-	-	0.6	0.5	0.5
O&U	1.3	0.6	-	-	-	-	2.2	0.8	2.5	5.5	11.3	21.2	21.8	18.8	42.3	43.1	5.2	5.4	9.1
Grand Total	5.3	2.9	1	2.3	8	6.6	11.6	20.2	46.6	73.8	149.6	249.7	299.3	353.8	371.1	338.4	62	65.8	122.2

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

Table 38: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Mortality Rate per 100,000 Population: 2019-2020 – Females Sangrur district

ICD10	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	-	-	-	-	-	0.7	-	0.8	1.7	2.0	2.6	-	2.8	4.2	-	11.0	1.0	0.9	1.7
C03-C06	-	-	-	-	-	-	-	-	-	-	1.3	3.3	1.4	2.1	3.0	-	0.3	0.4	0.8
C07-C08	-	0.7	-	-	-	-	0.8	-	0.9	-	-	-	1.4	-	-	-	0.2	0.2	0.3
C09	-	-	-	-	0.6	-	-	-	-	-	-	-	1.4	2.1	-	-	0.2	0.2	0.2
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	0.1	0.0	-
C11	-	-	-	-	-	-	-	0.8	-	1.0	-	-	-	-	-	-	0.1	0.1	0.3
C12-C13	-	-	-	-	0.6	-	-	-	0.9	2.0	-	3.3	1.4	4.2	9.0	4.4	0.8	0.8	1.2
C14	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	0.1	0.1	0.2
C15	-	-	-	-	-	0.7	0.8	3.2	1.7	7.9	19.6	24.7	23.8	31.2	45.0	37.5	6.4	6.4	11.9
C16	-	-	-	-	-	-	-	1.6	0.9	-	3.9	1.6	2.8	12.5	3.0	8.8	1.2	1.1	1.7
C17	-	-	-	-	-	-	-	-	-	2.0	-	1.6	-	2.1	-	2.2	0.3	0.3	0.6
C18	-	-	-	-	-	-	-	-	-	3.0	-	3.3	5.6	2.1	9.0	15.5	1.2	1.1	1.7
C19-C20	-	-	-	-	-	-	-	-	-	2.0	-	-	-	2.1	6.0	2.2	0.3	0.3	0.4
C21	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C22	-	-	-	-	-	-	-	0.8	0.9	1.0	6.5	19.8	12.6	37.5	12.0	13.3	3.3	3.4	5.7
C23-C24	-	-	-	-	-	-	-	3.2	4.3	8.9	7.8	14.8	22.4	22.9	36.0	8.8	4.4	4.4	9.2
C25	-	-	-	-	-	-	-	-	-	1.0	1.3	4.9	1.4	2.1	9.0	2.2	0.6	0.7	1.2
C30-C31	-	-	-	-	-	-	-	-	-	1.0	-	-	1.4	-	3.0	4.4	0.3	0.3	0.4
C32	-	-	-	-	0.6	0.7	-	-	-	-	2.6	3.3	2.8	-	3.0	2.2	0.6	0.6	1.2
C33-C34	-	-	-	-	-	-	0.8	0.8	1.7	3.0	6.5	8.2	9.8	10.4	24.0	6.6	2.3	2.3	4.4
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	-	1.3	-	0.6	-	-	-	-	-	-	-	2.8	2.1	6.0	-	0.5	0.5	0.4
C43	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	0.1	0.1	0.2
C44	-	-	-	-	-	-	0.8	-	-	-	-	-	4.2	-	6.0	6.6	0.5	0.5	0.5
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	-	-	-	1.0	2.6	-	-	2.1	-	-	0.2	0.3	0.6
C50	-	-	-	-	-	2.0	7.6	9.6	15.4	25.6	39.1	31.3	37.8	37.5	59.9	50.8	12.0	11.7	25.0
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	4.4	0.2	0.1	-
C52	-	-	-	-	-	-	-	0.8	0.9	1.0	-	-	1.4	2.1	-	4.4	0.4	0.4	0.7
C53	-	-	-	-	-	-	1.5	4.0	10.3	12.8	15.7	28.0	25.2	14.6	30.0	19.9	6.1	6.1	14.6
C54	-	-	-	-	-	-	-	0.8	1.7	3.0	1.3	3.3	2.8	8.3	12.0	6.6	1.3	1.3	2.1
C55	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	3.0	-	0.1	0.1	0.2
C56	-	-	-	-	-	-	0.8	0.8	1.7	14.8	9.1	14.8	14.0	25.0	18.0	6.6	3.8	3.9	8.5
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	0.9	1.0	1.3	4.9	4.2	2.1	6.0	-	0.7	0.7	1.7
C65	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-	0.1	0.0	0.2
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	0.9	1.0	-	3.3	2.8	2.1	-	4.4	0.5	0.5	1.1
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	0.1	0.1	0.2
C70-C72	-	2.2	-	-	1.1	-	0.8	0.8	1.7	3.0	1.3	3.3	2.8	4.2	6.0	2.2	1.3	1.3	2.1
C73	-	-	-	-	-	-	0.8	-	-	-	-	1.6	2.8	4.2	9.0	2.2	0.6	0.6	0.6
C74	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C81	-	-	-	-	-	-	-	0.8	-	-	1.3	-	1.4	-	-	-	0.2	0.2	0.5
C82-C86,C96	-	-	-	-	-	0.7	0.8	2.4	0.9	1.0	-	1.6	1.4	10.4	6.0	6.6	1.1	1.0	1.2
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	1.0	2.6	-	2.8	6.2	3.0	-	0.5	0.5	1.0
C91	-	0.7	-	-	-	-	-	-	-	-	1.3	-	1.4	-	-	-	0.2	0.2	0.4
C92-C94	0.8	-	0.7	0.6	-	0.7	-	1.6	1.7	1.0	1.3	1.6	2.8	4.2	6.0	2.2	1.0	1.0	1.6
C95	0.8	-	-	0.6	-	-	-	3.2	-	-	-	1.6	-	4.2	3.0	-	0.6	0.6	0.8
O&U	0.8	-	0.7	-	-	-	1.5	-	1.7	5.9	9.1	8.2	11.2	25.0	30.0	33.1	4.0	3.9	5.5
Grand Total	3.1	3.6	2.7	1.2	3.4	5.2	16.8	36.9	50.5	107.4	140.9	195.9	213	289.5	368.6	271.7	59.7	59.4	113.2

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

21. Pediatric cancer incidence tables as per ICCC-3 standard

Table 39: Number of cases in pediatric age-group, incidence rate per million population: 2019-2020 (Both sex)

ICCC	Site	Percentage (0-14)						Percentage (0-19)		Age-specific rate per 1,000,000				AAR		Cumulative		MV %	DCO %
		0-4	5-9	10-14	15-19	0-14	0-19	All	Group	All	Group	0-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19
		4	6	3	3	13	16	31.0	100	26.7	100	14.3	19.4	8.7	7.9	11.7	13.5	4720	3981
I	LEUKAEMIA	4	6	3	3	13	16	31.0	100	26.7	100	14.3	19.4	8.7	7.9	11.7	13.5	4720	3981
a.	Lymphoid	3	3	1	1	7	8	16.7	53.8	13.3	50.0	10.7	9.7	2.9	2.6	6.3	6.9	8584	7715
b.	Acute myeloid	1	1	1	-	3	3	7.1	23.1	5.0	18.8	3.6	3.2	2.9	-	2.5	2.5	20621	20621
c.	CMD	-	-	1	-	1	1	2.4	7.7	1.7	6.3	-	-	2.9	-	0.7	0.7	69006	69006
d.	MDS & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	2	-	2	2	4	4.8	15.4	6.7	25.0	0.0	6.5	0.0	5.2	1.6	2.8	30895	17060
II	LYMPHOMA & RELATED	-	3	4	4	7	11	16.7	100	18.3	100	-	9.7	11.6	10.5	5.0	7.4	9388	6289
a.	Hodgkin	-	1	3	3	4	7	9.5	57.1	11.7	63.6	-	3.2	8.7	7.9	2.8	4.5	16762	10098
b.	Non-Hodgkin except BL	-	2	1	1	3	4	7.1	42.9	6.7	36.4	-	6.5	2.9	2.6	2.3	2.9	21341	16671
c.	Burkitt (BL)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Lymphoreticular	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	CNS NEOPLASMS	-	4	-	1	4	5	9.5	100	8.3	100	-	12.9	-	2.6	3.2	3.8	15448	12844
a.	Ependymoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Astrocytoma	-	1	-	-	1	1	2.4	25.0	1.7	20.0	-	3.2	-	-	0.8	0.8	61789	61789
c.	CNS embryonal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other gliomas	-	1	-	-	1	1	2.4	25.0	1.7	20.0	-	3.2	-	-	0.8	0.8	61789	61789
e.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Unspecified CNS	-	2	-	1	2	3	4.8	50.0	5.0	60.0	-	6.5	-	2.6	1.6	2.2	30895	21982
IV	NEUROBLASTOMA	-	1	-	-	1	1	2.4	100	1.7	100	-	3.2	-	-	0.8	0.8	61789	61789
a.	(Ganglio)neuroblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Peripheral nervous	-	1	-	-	1	1	2.4	100	1.7	100	-	3.2	-	-	0.8	0.8	61789	61789
V	RETINOBLASTOMA	2	1	-	-	3	3	7.1	100	5.0	100	7.1	3.2	-	-	2.9	2.9	19297	19297
VI	RENAL TUMOURS	1	1	-	-	2	2	4.8	100	3.3	100	3.6	3.2	-	-	1.9	1.9	29410	29410
a.	Nephroblastoma	1	1	-	-	2	2	4.8	100	3.3	100	3.6	3.2	-	-	1.9	1.9	29410	29410
b.	Renal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII	HEPATIC TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	76194	100
a.	Hepatoblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Hepatic carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII	BONE TUMOURS	-	-	-	1	-	1	-	-	1.7	100	-	-	-	2.6	-	0.6	-	76194
a.	Osteosarcoma	-	-	-	1	-	1	-	-	1.7	100	-	-	-	2.6	-	0.6	-	76194
b.	Chondrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Ewing & related	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX	SOFT TISSUE SARCOMA	1	1	2	3	4	7	9.5	100	11.7	100	3.6	3.2	5.8	7.9	3.2	5.0	15877	9770
a.	Rhabdomyosarcoma	1	1	2	1	4	5	9.5	100	8.3	71.4	3.6	3.2	5.8	2.6	3.2	3.8	15877	13139
b.	Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	2	-	2	-	-	3.3	28.6	-	-	-	5.2	-	1.2	-	38097
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X	GERM CELL TUMOURS	-	-	-	1	-	1	-	-	1.7	100	0.0	0.0	0.0	2.6	-	0.6	-	76194
a.	CNS germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other extragonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Gonadal germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Gonadal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified gonadal	-	-	-	1	-	1	-	-	1.7	100	-	-	-	2.6	-	0.6	-	76194
XI	CARCINOMA & MELANOMA	-	-	-	3	-	3	-	-	5.0	100	0.0	0.0	0.0	7.9	-	1.8	-	25398
a.	Adrenocortical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Nasopharyngeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Melanoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Skin carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Other & unspecified	-	-	-	3	-	3	-	-	5.0	100	-	-	-	7.9	-	1.8	-	25398
XII	OTHER & UNSPECIFIED	5	1	2	2	8	10	19.0	100	16.7	100	17.8	3.2	5.8	5.2	7.5	8.6	7449	6231
a.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other unspecified	5	1	2	2	8	10	16.7	100	16.7	100	17.8	3.2	5.8	5.2	7.5	8.6	7449	6231
Total		13	18	11	18	42	60	100	100	100	100	46.4	58.2	31.9	47.2	36.2	47.5	1466	1089

Table 40: Number of cases in pediatric age-group, incidence rate per million population: 2019-2020 (By gender)

ICCC	Site	Males								Females								AAR per million	
		Number of cases in age groups						AAR per million		M/F Ratio		Number of cases in age groups							
		0-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19	0-14	0-19	0-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19
I	LEUKAEMIA	1	2	1	2	4	6	6.1	8.2	0.4	0.6	3	4	2	1	9	10	17.2	18.6
a.	Lymphoid	1	2	1	1	4	5	6.1	7.1	1.3	1.7	2	1	-	-	3	3	6.5	6.5
b.	Acute myeloid	-	-	-	-	-	-	-	-	0.0	0.0	1	1	1	-	3	3	5.6	5.6
c.	CMD	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1.5	1.5
d.	MDS & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	1	-	1	-	1.1	0.0	0.25	-	2	-	1	3	4	3.6	5.0
II	LYMPHOMA & RELATED	-	3	3	3	6	9	7.9	11.0	6.0	4.5	-	-	1	1	1	2	1.5	2.8
a.	Hodgkin	-	1	3	2	4	6	4.9	7.0	0.0	6.0	-	-	-	1	-	1	-	1.3
b.	Non-Hodgkin except BL	-	2	-	1	2	3	2.9	4.0	2.0	3.0	-	-	1	-	1	1	1.5	1.5
c.	Burkitt (BL)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Lymphoreticular	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	CNS NEOPLASMS	-	2	-	1	2	3	2.9	4.0	1.0	1.5	-	2	-	-	2	2	3.6	3.6
a.	Ependymoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Astrocytoma	-	1	-	-	1	1	1.5	1.5	0.0	0.0	-	-	-	-	-	-	-	-
c.	CNS embryonal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other gliomas	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1.8	1.8
e.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Unspecified CNS	-	1	-	1	1	2	1.5	2.5	1.0	2.0	-	1	-	-	1	1	1.8	1.8
IV	NEUROBLASTOMA	-	1	-	-	1	1	1.5	1.5	0.0	0.0	-	-	-	-	-	-	-	-
a.	(Ganglio)neuroblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Peripheral nervous	-	1	-	-	1	1	1.5	1.5	0.0	0.0	-	-	-	-	-	-	-	-
V	RETINOBLASTOMA	1	-	-	-	1	1	2.0	2.0	0.5	0.5	1	1	-	-	2	2	4.1	4.1
VI	RENAL TUMOURS	-	1	-	-	1	1	1.5	1.5	1.0	1.0	1	-	-	-	1	1	2.3	2.3
a.	Nephroblastoma	-	1	-	-	1	1	1.5	1.5	1.0	1.0	1	-	-	-	1	1	2.3	2.3
b.	Renal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII	HEPATIC TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	Hepatoblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Hepatic carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII	BONE TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1.3
a.	Osteosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1.3
b.	Chondrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Ewing & related	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX	SOFT TISSUE SARCOMA	-	-	1	2	1	3	1.2	3.3	1.0	0.8	1	1	1	1	3	4	5.6	7.0
a.	Rhabdomyosarcoma	-	-	1	1	1	2	1.2	2.2	0.3	0.7	1	1	1	-	3	3	5.6	5.6
b.	Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	1	-	1	-	1.1	-	1.0	-	-	-	1	-	1	-	1.3
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X	GERM CELL TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1.3
a.	CNS germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other extragonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Gonadal germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Gonadal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified gonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1.3
XI	CARCINOMA & MELANOMA	-	-	-	2	-	2	-	2.1	-	2.0	-	-	-	1	-	1	-	1.3
a.	Adrenocortical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Nasopharyngeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Melanoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Skin carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Other & unspecified	-	-	-	2	-	2	-	2.1	-	2.0	-	-	-	1	-	1	-	1.3
XII	OTHER & UNSPECIFIED	3	1	-	1	4	5	7.4	8.4	1.0	1	2	0	2	1	4	5	7.6	9.0
a.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other unspecified	3	1	-	1	4	5	7.4	8.4	1.0	1	2	0	2	1	4	5	7.6	9.0
	Total	5	10	5	11	20	31	30.5	41.9	0.9	1.1	8	8	6	7	22	29	41.9	51.3

Standard registry tables for the year 2019

Table 41: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2019 – Males Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	1.0	-	2.0	4.0	5.0	3.0	6.0	4.0	1.0	1.0	27.0	3.7
C03-C06	Mouth	-	-	-	-	-	-	2.0	3.0	-	6.0	3.0	-	5.0	3.0	1.0	5.0	28.0	3.9
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	3.0	1.0	-	-	1.0	-	-	5.0	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	1.0	1.0	3.0	0.4
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	1.0	3.0	5.0	-	-	2.0	11.0	1.5
C11	Nasopharynx	-	-	-	-	-	-	-	1.0	-	1.0	-	-	-	2.0	-	-	4.0	0.6
C12-C13	Hypopharynx	-	-	-	-	-	1.0	-	1.0	2.0	-	1.0	3.0	5.0	4.0	1.0	7.0	25.0	3.4
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	-	2.0	0.3
C15	Oesophagus	-	-	-	-	1.0	-	-	-	1.0	-	5.0	11.0	14.0	13.0	7.0	9.0	61.0	8.4
C16	Stomach	-	-	-	-	-	-	1.0	1.0	-	-	1.0	-	1.0	3.0	2.0	3.0	12.0	1.7
C17	Small intestine	-	-	-	-	-	-	-	-	-	2.0	-	-	1.0	-	-	-	3.0	0.4
C18	Colon	-	-	-	1.0	-	-	-	-	1.0	3.0	2.0	2.0	2.0	-	-	3.0	14.0	1.9
C19-C20	Rectum	-	-	-	-	-	-	1.0	1.0	1.0	3.0	2.0	-	2.0	3.0	-	1.0	14.0	1.9
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	2.0	2.0	-	-	1.0	5.0	0.7
C22	Liver	-	-	-	-	-	-	1.0	-	1.0	6.0	10.0	18.0	14.0	17.0	10.0	9.0	86.0	11.8
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1.0	1.0	3.0	2.0	4.0	1.0	3.0	15.0	2.1
C25	Pancreas	-	-	-	-	-	-	1.0	1.0	3.0	1.0	1.0	3.0	4.0	1.0	1.0	3.0	19.0	2.6
C30-C31	Nose, sinuses etc.	-	1.0	-	-	-	-	-	1.0	-	-	1.0	-	-	-	-	-	3.0	0.4
C32	Larynx	-	-	-	-	-	-	-	-	1.0	2.0	1.0	2.0	6.0	2.0	1.0	2.0	17.0	2.3
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	2.0	1.0	5.0	2.0	3.0	14.0	9.0	2.0	5.0	43.0	5.9
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	1.0	-	1.0	1.0	1.0	-	-	-	-	-	1.0	-	5.0	0.7
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.0	0.1
C44	Other skin	-	-	-	-	1.0	-	-	-	-	-	1.0	3.0	2.0	5.0	1.0	3.0	16.0	2.2
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	1.0	-	-	2.0	-	1.0	-	-	1.0	-	-	3.0	8.0	1.1
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	1.0	0.1
C60	Penis	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	-	2.0	1.0	-	6.0	0.8
C61	Prostate	-	-	-	-	-	-	-	-	-	-	4.0	5.0	5.0	13.0	18.0	22.0	67.0	9.2
C62	Testis	-	-	-	-	1.0	1.0	2.0	1.0	2.0	1.0	-	-	-	-	1.0	-	9.0	1.2
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	1.0	1.0	2.0	1.0	3.0	3.0	5.0	-	16.0	2.2
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	1.0	3.0	1.0	1.0	3.0	12.0	6.0	6.0	2.0	35.0	4.8
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	2.0	0.3
C70-C72	Brain, nervous system	-	-	-	-	-	-	1.0	2.0	6.0	2.0	3.0	3.0	4.0	4.0	-	-	25.0	3.4
C73	Thyroid	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	1.0	0.1
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	2.0	-	3.0	0.4
C81	Hodgkin disease	-	-	-	1.0	1.0	-	1.0	1.0	1.0	1.0	1.0	-	-	-	1.0	-	8.0	1.1
C82-C86,C96	Non-Hodgkin lymphoma	-	2.0	-	-	-	4.0	-	1.0	3.0	1.0	2.0	1.0	1.0	3.0	4.0	1.0	23.0	3.2
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	3.0	2.0	1.0	3.0	-	9.0	1.2
C91	Lymphoid leukaemia	1.0	-	-	-	1.0	1.0	-	-	1.0	1.0	-	1.0	2.0	2.0	1.0	4.0	15.0	2.1
C92-C94	Myeloid leukaemia	-	-	-	-	3.0	1.0	1.0	1.0	1.0	2.0	-	2.0	3.0	2.0	1.0	2.0	19.0	2.6
C95	Leukaemia unspecified	-	-	-	1.0	2.0	-	-	-	-	1.0	1.0	-	-	-	-	-	5.0	0.7
O&U	Other and unspecified	1.0	1.0	-	-	-	-	3.0	-	3.0	3.0	3.0	7.0	9.0	9.0	7.0	10.0	56.0	7.7
ALL	All sites	3.0	4.0	-	3.0	12.0	8.0	16.0	22.0	35.0	53.0	56.0	84.0	129	118	81.0	103	727	100

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

Table 42: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2019 – Females Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C01-C02	Tongue	-	-	-	-	-	-	-	-	2	1	1	-	3	1	1	3	12	1.5
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C07-C08	Salivary glands	-	1	-	-	-	-	2	-	-	-	-	-	-	-	1	-	4	0.5
C09	Tonsil	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2	0.3
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C11	Nasopharynx	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	3	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	-	-	2	-	1	1	5	0.6
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.1
C15	Oesophagus	-	-	-	-	1	1	1	3	2	7	1	6	9	4	12	14	7	9.0
C16	Stomach	-	-	-	-	-	-	-	2	-	-	1	3	-	3	1	3	13	1.7
C17	Small intestine	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	3	0.4
C18	Colon	-	-	-	-	-	-	-	-	-	3	-	2	2	2	1	5	15	1.9
C19-C20	Rectum	-	-	-	-	-	-	1	-	-	-	2	-	-	2	1	1	7	0.9
C21	Anus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	0.3
C22	Liver	-	-	-	-	-	-	-	1	1	1	2	5	5	12	2	2	31	4.0
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	1	2	5	4	6	12	7	6	1	44	5.7
C25	Pancreas	-	-	-	1	-	-	-	-	-	-	-	2	1	-	1	1	6	0.8
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	1	4	0.5
C32	Larynx	-	-	-	-	1	-	-	1	1	-	2	-	1	-	-	-	6	0.8
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	2	3	3	2	4	1	3	1	19	2.4
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C40-C41	Bone	-	-	1	1	-	1	-	-	-	-	-	-	2	-	2	-	7	0.9
C43	Melanoma of skin	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	0.3
C44	Other skin	-	-	-	-	-	1	2	-	-	-	2	1	2	1	-	2	11	1.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C47,C49	Connective and soft tissue	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	3	0.4
C50	Breast	-	-	-	-	1	-	14	13	27	3	3	32	3	22	13	16	228	29.4
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C52	Vagina	-	-	-	-	-	-	-	1	1	-	-	1	-	1	-	-	4	0.5
C53	Cervix uteri	-	-	-	-	-	1	-	5	11	8	11	11	12	3	8	5	75	9.7
C54	Corpus uteri	-	-	-	-	-	-	-	-	1	1	1	3	3	4	1	1	15	1.9
C55	Uterus unspecified	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2	0.3
C56	Ovary	-	-	-	-	-	3	3	3	4	7	7	6	6	1	7	3	59	7.6
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.1
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C64	Kidney	1	-	-	-	-	1	-	-	1	1	-	4	2	2	1	-	13	1.7
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C67	Bladder	-	-	-	-	-	-	-	-	-	1	1	1	-	-	1	3	7	0.9
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C69	Eye	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C70-C72	Brain, nervous system	-	1	-	-	1	-	-	1	1	-	-	-	1	1	-	1	7	0.9
C73	Thyroid	-	-	-	1	1	-	3	2	-	-	-	1	1	3	2	-	14	1.8
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	4	0.5
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	1	1	1	1	-	-	1	1	1	2	9	1.2
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	2	-	2	2	-	-	6	0.8
C91	Lymphoid leukaemia	-	2	-	-	-	-	-	-	1	-	-	-	2	1	-	-	6	0.8
C92-C94	Myeloid leukaemia	1	-	-	-	-	2	2	1	1	1	1	2	-	2	-	-	13	1.7
C95	Leukaemia unspecified	-	1	-	1	-	-	-	1	-	-	-	-	-	1	-	-	4	0.5
O&U	Other and unspecified	-	-	-	-	1	-	2	-	2	2	3	3	5	7	5	8	38	4.9
Grand Total		4	6	2	5	6	10	33	38	64	78	86	92	109	96	73	74	776	100.0

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

Table 43: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 Population: 2019 – 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	-	-	-	-	-	-	1.5	-	3.3	7.4	11.4	9.9	17.5	15.1	5.0	4.3	2.8	3.0	7.5
C03-C06	-	-	-	-	-	-	2.9	4.7	-	11.1	6.8	-	14.6	11.4	5.0	21.7	2.9	2.9	6.1
C07-C08	-	-	-	-	-	-	-	-	-	5.6	2.3	-	-	3.8	-	-	0.5	0.6	1.4
C09	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	5.0	4.3	0.3	0.3	0.4
C10	-	-	-	-	-	-	-	-	-	-	2.3	9.9	14.6	-	-	8.7	1.1	1.3	3.5
C11	-	-	-	-	-	-	-	1.6	-	1.9	-	-	-	7.6	-	-	0.4	0.4	0.7
C12-C13	-	-	-	-	-	1.2	-	1.6	3.3	-	2.3	9.9	14.6	15.1	5.0	30.4	2.6	2.6	4.5
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	5.0	-	0.2	0.2	-
C15	-	-	-	-	1.0	-	-	-	1.7	-	11.4	36.1	40.9	49.2	35.1	39.0	6.3	6.8	12.1
C16	-	-	-	-	-	-	1.5	1.6	-	-	2.3	-	2.9	11.4	10.0	13.0	1.2	1.2	1.0
C17	-	-	-	-	-	-	-	-	-	3.7	-	-	2.9	-	-	-	0.3	0.3	1.1
C18	-	-	-	0.9	-	-	-	-	1.7	5.6	4.6	6.6	5.8	-	-	13.0	1.4	1.5	3.7
C19-C20	-	-	-	-	-	-	1.5	1.6	1.7	5.6	4.6	-	5.8	11.4	-	4.3	1.4	1.5	3.2
C21	-	-	-	-	-	-	-	-	-	-	-	6.6	5.8	-	-	4.3	0.5	0.6	1.6
C22	-	-	-	-	-	-	1.5	-	1.7	11.1	22.8	59.1	40.9	64.4	50.1	39.0	8.9	9.7	19.1
C23-C24	-	-	-	-	-	-	-	-	-	1.9	2.3	9.9	5.8	15.1	5.0	13.0	1.5	1.7	2.8
C25	-	-	-	-	-	-	1.5	1.6	5.0	1.9	2.3	9.9	11.7	3.8	5.0	13.0	2.0	2.0	4.8
C30-C31	-	1.2	-	-	-	-	-	1.6	-	-	2.3	-	-	-	-	-	0.3	0.3	0.7
C32	-	-	-	-	-	-	-	-	1.7	3.7	2.3	6.6	17.5	7.6	5.0	8.7	1.8	1.9	4.5
C33-C34	-	-	-	-	-	-	-	3.1	1.7	9.3	4.6	9.9	40.9	34.1	10.0	21.7	4.4	4.8	10.0
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	1.0	-	1.5	1.6	1.7	-	-	-	-	-	5.0	-	0.5	0.5	0.6
C43	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	0.1	0.1	0.4
C44	-	-	-	-	1.0	-	-	-	-	-	2.3	9.9	5.8	18.9	5.0	13.0	1.7	1.8	2.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	1.0	-	-	3.1	-	1.9	-	-	2.9	-	-	13.0	0.8	0.8	1.3
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-	0.1	0.1	-
C60	-	-	-	-	-	-	-	-	-	1.9	2.3	3.3	-	7.6	5.0	-	0.6	0.7	1.2
C61	-	-	-	-	-	-	-	-	-	-	9.1	16.4	14.6	49.2	90.2	95.4	6.9	6.9	5.5
C62	-	-	-	-	1.0	1.2	2.9	1.6	3.3	1.9	-	-	-	-	5.0	-	0.9	0.9	1.3
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	1.7	1.9	4.6	3.3	8.8	11.4	25.1	-	1.7	1.8	3.0
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	1.6	5.0	1.9	2.3	9.9	35.1	22.7	30.1	8.7	3.6	3.9	7.8
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	0.2	0.2	-
C70-C72	-	-	-	-	-	-	1.5	3.1	10.0	3.7	6.8	9.9	11.7	15.1	-	-	2.6	2.8	7.2
C73	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	0.1	0.1	0.3
C74	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	10.0	-	0.3	0.3	0.4
C81	-	-	-	0.9	1.0	-	1.5	1.6	1.7	1.9	2.3	-	-	-	5.0	-	0.8	0.8	1.4
C82-C86,C96	-	2.4	-	-	-	4.8	-	1.6	5.0	1.9	4.6	3.3	2.9	11.4	20.0	4.3	2.4	2.4	3.2
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	9.9	5.8	3.8	15.0	-	0.9	1.0	2.0
C91	1.3	-	-	-	1.0	1.2	-	-	1.7	1.9	-	3.3	5.8	7.6	5.0	17.3	1.5	1.6	1.9
C92-C94	-	-	-	-	3.0	1.2	1.5	1.6	1.7	3.7	-	6.6	8.8	7.6	5.0	8.7	2.0	2.0	3.3
C95	-	-	-	0.9	2.0	-	-	-	-	1.9	2.3	-	-	-	-	-	0.5	0.5	0.7
O&U	1.3	1.2	-	-	-	-	4.4	-	5.0	5.6	6.8	23.0	26.3	34.1	35.1	43.4	5.8	6.1	9.5
ALL	4.0	4.7	-	2.8	12.1	9.6	23.4	34.5	58.6	98.4	127.7	275.8	377.1	446.8	405.9	446.7	75.0	78.8	141.9

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

Table 44: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Incidence Rate per 100,000 Population: 2019 – Females Sangrur District

ICD10	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	-	-	-	-	-	-	-	-	3.4	2.0	2.6	-	8.5	4.2	6.0	13.3	1.4	1.3	2.6
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C07-C08	-	1.5	-	-	-	-	3.1	-	-	-	-	-	-	-	6.0	-	0.5	0.5	-
C09	-	-	-	-	-	-	-	1.6	1.7	-	-	-	-	-	-	-	0.2	0.2	0.6
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	1.5	-	1.7	2.0	-	-	-	-	-	-	0.4	0.3	0.7
C12-13	-	-	-	-	-	-	-	-	-	2.0	-	-	5.6	-	6.0	4.4	0.6	0.6	1.1
C14	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	0.1	0.1	0.4
C15	-	-	-	-	1.1	1.3	1.5	4.8	3.4	13.9	26.2	19.9	25.4	16.8	72.4	62.2	8.2	7.9	14.4
C16	-	-	-	-	-	-	-	3.2	-	-	2.6	9.9	-	12.6	6.0	13.3	1.5	1.5	2.3
C17	-	-	-	-	-	-	1.5	-	-	2.0	-	-	-	4.2	-	-	0.4	0.3	0.4
C18	-	-	-	-	-	-	-	-	-	5.9	-	6.6	5.6	8.4	6.0	22.2	1.8	1.7	2.7
C19-C20	-	-	-	-	-	-	1.5	-	-	-	5.2	-	-	8.4	6.0	4.4	0.8	0.8	0.8
C21	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	6.0	-	0.2	0.2	0.4
C22	-	-	-	-	-	-	-	1.6	1.7	2.0	5.2	16.6	14.1	50.3	12.1	8.9	3.6	3.7	5.8
C23-C24	-	-	-	-	-	-	-	1.6	3.4	9.9	10.5	19.9	33.8	29.3	36.2	4.4	5.1	5.3	11.5
C25	-	-	-	1.2	-	-	-	-	-	-	-	6.6	2.8	-	6.0	4.4	0.7	0.7	1.2
C30-C31	-	-	-	-	-	-	-	-	-	2.0	-	-	2.8	-	6.0	4.4	0.5	0.4	0.7
C32	-	-	-	-	1.1	-	-	1.6	1.7	-	5.2	-	2.8	-	-	-	0.7	0.7	1.9
C33-C34	-	-	-	-	-	-	-	-	3.4	5.9	7.9	6.6	11.3	4.2	18.1	4.4	2.2	2.2	5.4
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	-	1.3	1.2	-	1.3	-	-	-	-	-	-	5.6	-	12.1	-	0.8	0.8	0.7
C43	-	-	-	-	-	-	-	-	1.7	-	-	-	-	4.2	-	-	0.2	0.2	0.3
C44	-	-	-	-	-	1.3	3.1	-	-	-	5.2	3.3	5.6	4.2	-	8.9	1.3	1.2	2.0
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	1.6	-	1.3	1.2	-	-	-	-	-	-	-	-	-	-	-	-	0.4	0.4	-
C50	-	-	-	-	1.1	-	21.5	21.0	46.5	59.4	78.7	106.0	84.6	92.2	78.4	71.1	26.6	26.3	61.9
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	1.6	1.7	-	-	3.3	-	4.2	-	-	0.5	0.5	1.1
C53	-	-	-	-	-	1.3	-	8.1	18.9	15.9	28.9	36.4	33.8	12.6	48.2	22.2	8.8	8.7	22.0
C54	-	-	-	-	-	-	-	-	1.7	2.0	2.6	9.9	8.5	16.8	6.0	4.4	1.8	1.8	3.5
C55	-	-	-	-	-	-	-	1.6	-	-	2.6	-	-	-	-	-	0.2	0.2	0.7
C56	-	-	-	-	-	3.9	4.6	4.8	6.9	13.9	18.4	19.9	16.9	41.9	42.2	13.3	6.9	6.9	12.7
C57	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	0.1	0.1	0.4
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	1.6	-	-	-	-	1.3	-	-	1.7	2.0	-	13.2	5.6	8.4	6.0	-	1.5	1.6	3.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	2.0	2.6	3.3	-	-	6.0	13.3	0.8	0.8	1.2
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C70-72	-	1.5	-	-	1.1	-	-	1.6	1.7	-	-	-	2.8	4.2	-	4.4	0.8	0.8	1.0
C73	-	-	-	1.2	1.1	-	4.6	3.2	-	-	-	3.3	2.8	12.6	12.1	-	1.6	1.5	1.4
C74	1.6	-	-	-	-	-	-	-	-	2.0	-	3.3	-	4.2	-	-	0.5	0.6	0.8
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-85,C96	-	-	-	-	-	-	1.5	1.6	1.7	2.0	-	-	2.8	4.2	6.0	8.9	1.1	0.9	1.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	5.2	-	5.6	8.4	-	-	0.7	0.7	1.6
C91	-	2.9	-	-	-	-	-	-	1.7	-	-	-	5.6	4.2	-	-	0.7	0.7	1.1
C92-C94	1.6	-	-	-	-	2.6	3.1	1.6	1.7	2.0	2.6	6.6	-	8.4	-	-	1.5	1.5	2.3
C95	-	1.5	-	1.2	-	-	-	1.6	-	-	-	-	-	4.2	-	-	0.5	0.5	0.3
O&U	-	-	-	-	1.1	-	3.1	-	3.4	4.0	7.9	9.9	14.1	29.3	30.1	35.5	4.4	4.3	5.8
Grand Total	6.2	8.8	2.7	6.0	6.8	13.1	50.7	61.4	110.2	154.6	225.7	304.7	307.3	402.3	440.1	328.8	90.6	89.8	178.5

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

Table 45: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2019 – Males Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	4	0.6
C03-C06	Mouth	-	-	-	-	-	1	-	-	-	-	2	2	1	4	-	-	10	1.4
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.3
C09	Tonsil	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1	3	0.4
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4	0.6
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.1
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	-	1	-	-	2	1	-	5	0.7
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	4	4	6	6	5	9	11	9	56	8.1
C16	Stomach	-	-	-	-	-	-	-	-	1	2	-	-	1	3	-	2	9	1.3
C17	Small intestine	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	0.3
C18	Colon	-	-	-	-	-	-	-	-	1	-	2	1	4	-	1	2	11	1.6
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	1	7	1.0
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	2	5	6	4	3	4	5	29	4.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	1	1	3	5	3	10	9	1	5	38	5.5
C25	Pancreas	-	-	-	-	-	-	1	-	-	1	1	2	3	1	1	1	11	1.6
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	2	0.3
C32	Larynx	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	1	4	0.6
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	2	-	-	3	1	6	2	14	2.0
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	0.3
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	2	2	1	1	1	4	1	12	1.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	1	-	1	-	1	-	-	1	-	-	4	0.6
C50	Breast	-	-	-	-	-	2	8	15	12	27	30	21	25	21	12	8	181	26.1
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	0.4
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.1
C53	Cervix uteri	-	-	-	-	-	-	-	4	9	15	12	9	11	3	2	4	69	10.0
C54	Corpus uteri	-	-	-	-	1	-	1	1	1	1	1	2	4	4	2	2	20	2.9
C55	Uterus unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.3
C56	Ovary	-	-	-	1	3	-	1	7	11	6	4	6	11	9	4	2	65	9.4
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	3	5	-	3	1	2	1	15	2.2
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	1	1	3	1	1	-	-	7	1.0
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	3	0.4
C70-C72	Brain, nervous system	-	1	-	-	-	-	1	1	-	-	-	2	2	1	2	-	10	1.4
C73	Thyroid	-	-	-	-	2	-	3	1	1	-	-	1	-	1	1	-	10	1.4
C74	Adrenal gland	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.1
C81	Hodgkin disease	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	3	0.4
C82-C86,C96	Non-Hodgkin lymphoma	-	-	1	-	-	-	1	1	1	-	3	1	1	4	2	1	16	2.3
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	1	-	-	-	1	1	1	-	-	2	2	8	1.2
C91	Lymphoid leukaemia	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	0.4
C92-C94	Myeloid leukaemia	-	1	2	-	1	1	1	1	1	1	1	-	-	-	1	1	12	1.7
C95	Leukaemia unspecified	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	3	0.4
O&U	Other and unspecified	1	-	1	-	-	-	-	1	1	1	5	5	3	5	4	4	31	4.5
Grand Total		3	3	4	2	8	7	21	37	48	74	89	76	98	93	71	59	693	100.0

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

Table 46: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2019 – Females Sangrur District

(% = Relative Proportion of Cancers of All Sites)

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	2.0	1.0	1.0	-	2.0	1.0	-	2.0	9.0	1.8
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	-	-	-	2.0	0.4
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	1.0	0.2
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.0	0.2
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	0.2
C11	Nasopharynx	-	-	-	-	-	-	-	1.0	-	1.0	-	-	-	-	-	-	2.0	0.4
C12-C13	Hypopharynx	-	-	-	-	1.0	-	-	-	1.0	1.0	-	1.0	1.0	-	3.0	2.0	10.0	2.0
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	1.0	0.2
C15	Oesophagus	-	-	-	-	-	-	1.0	2.0	-	3.0	11.0	7.0	7.0	8.0	5.0	10.0	54.0	10.6
C16	Stomach	-	-	-	-	-	-	-	-	-	-	3.0	1.0	1.0	3.0	1.0	3.0	12.0	2.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	1.0	0.2
C18	Colon	-	-	-	-	-	-	-	-	-	3.0	-	1.0	1.0	-	2.0	4.0	11.0	2.2
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-	2.0	0.4
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	1.0	-	1.0	1.0	4.0	5.0	13.0	1.0	2.0	28.0	5.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	3.0	3.0	3.0	3.0	5.0	8.0	4.0	9.0	-	38.0	7.5
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	1.0	-	1.0	2.0	1.0	5.0	1.0
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	1.0	2.0	0.4
C32	Larynx	-	-	-	-	1.0	1.0	-	-	-	-	2.0	-	1.0	-	-	1.0	6.0	1.2
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	3.0	4.0	3.0	4.0	2.0	3.0	2.0	21.0	4.1
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1.0	-	1.0	-	-	-	-	-	-	-	1.0	-	2.0	-	5.0	1.0
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	2.0	-	4.0	0.8
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	2.0	0.4
C50	Breast	-	-	-	-	-	2.0	7.0	6.0	14.0	10.0	11.0	9.0	13.0	11.0	11.0	10.0	104.0	20.4
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	0.2
C52	Vagina	-	-	-	-	-	-	-	1.0	1.0	-	-	-	-	-	-	-	2.0	0.4
C53	Cervix uteri	-	-	-	-	-	-	1.0	2.0	7.0	8.0	8.0	9.0	8.0	2.0	4.0	4.0	53.0	10.4
C54	Corpus uteri	-	-	-	-	-	-	-	1.0	1.0	2.0	-	-	-	1.0	3.0	2.0	10.0	2.0
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	-	-	-	-	-	8.0	2.0	4.0	3.0	3.0	4.0	1.0	25.0	4.9
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	1.0	-	1.0	-	3.0	1.0	1.0	-	7.0	1.4
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	1.0	1.0	-	-	1.0	-	-	1.0	4.0	0.8
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	-	1.0	-	-	2.0	-	1.0	1.0	2.0	2.0	1.0	-	-	1.0	-	1.0	12.0	2.4
C73	Thyroid	-	-	-	-	-	-	1.0	-	-	-	-	1.0	-	-	1.0	-	3.0	0.6
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C75	Other endocrine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	1.0	0.2
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	1.0	2.0	1.0	1.0	-	-	-	2.0	-	3.0	10.0	2.0
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	1.0	-	-	1.0	2.0	-	-	4.0	0.8
C91	Lymphoid leukaemia	-	1.0	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	2.0	0.4
C92-C94	Myeloid leukaemia	1.0	-	-	1.0	-	-	-	-	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	12.0	2.4
C95	Leukaemia unspecified	-	-	-	-	-	-	-	3.0	-	-	-	1.0	-	2.0	-	-	6.0	1.2
O&U	Other and unspecified	-	-	-	-	-	-	1.0	-	1.0	2.0	4.0	3.0	5.0	4.0	6.0	9.0	35.0	6.9
Grand Total		1.0	2.0	1.0	1.0	5.0	3.0	13.0	23.0	37.0	54.0	57.0	54.0	72.0	63.0	61.0	62.0	509.0	100.0

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

**Table 47: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs)
(TR) Mortality Rate per 100,000 Population: 2019– 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	-	-	-	-	-	-	-	-	-	2.0	-	3.3	-	4.1	-	4.4	0.5	0.5	0.8
C03-C06	-	-	-	-	-	1.3	-	-	-	-	5.2	6.5	2.8	16.6	-	-	1.2	1.2	2.0
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	6.0	-	0.2	0.2	0.4
C09	-	-	-	-	1.1	-	-	-	-	-	-	-	-	4.1	-	4.4	0.3	0.3	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.9	4.4	0.5	0.4	-
C11	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	0.1	0.1	0.4
C12-C13	-	-	-	-	-	-	-	-	1.7	-	2.6	-	-	8.3	6.0	-	0.6	0.6	0.7
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	1.5	1.6	6.8	7.8	15.6	19.6	13.9	37.3	65.6	39.5	6.5	6.4	10.0
C16	-	-	-	-	-	-	-	-	1.7	3.9	-	-	2.8	12.4	-	8.8	1.0	1.0	1.4
C17	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	4.4	0.2	0.2	0.4
C18	-	-	-	-	-	-	-	-	1.7	-	5.2	3.3	11.1	-	6.0	8.8	1.3	1.2	3.0
C19-C20	-	-	-	-	-	-	-	-	-	-	-	3.3	2.8	12.4	6.0	4.4	0.8	0.8	0.8
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	3.9	13.0	19.6	11.1	12.4	23.8	22.0	3.3	3.4	6.8
C23-C24	-	-	-	-	-	-	-	1.6	1.7	5.9	13.0	9.8	27.9	37.3	6.0	22.0	4.4	4.4	8.7
C25	-	-	-	-	-	-	1.5	-	-	2.0	2.6	6.5	8.4	4.1	6.0	4.4	1.3	1.3	2.7
C30-C31	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	4.4	0.2	0.2	-
C32	-	-	-	-	-	-	-	-	1.7	-	2.6	3.3	-	-	-	4.4	0.5	0.5	1.2
C33-C34	-	-	-	-	-	-	-	-	-	3.9	-	-	8.4	4.1	35.8	8.8	1.6	1.6	1.8
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	-	-	-	-	-	-	2.8	4.1	-	-	0.2	0.2	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	3.9	5.2	3.3	2.8	4.1	23.8	4.4	1.4	1.4	2.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	1.5	-	1.7	-	2.6	-	-	4.1	-	-	0.5	0.4	0.7
C50	-	-	-	-	-	2.6	12.2	24.0	20.4	52.9	77.8	68.7	69.7	87.0	71.5	35.1	20.9	20.9	49.2
C51	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	11.9	-	0.3	0.3	0.4
C52	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	0.1	0.1	0.4
C53	-	-	-	-	-	-	-	6.4	15.3	29.4	31.1	29.5	30.7	12.4	11.9	17.6	8.0	8.0	22.7
C54	-	-	-	-	1.1	-	1.5	1.6	1.7	2.0	2.6	6.5	11.1	16.6	11.9	8.8	2.3	2.2	3.7
C55	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	6.0	-	0.2	0.2	0.3
C56	-	-	-	1.2	3.4	-	1.5	11.2	18.7	11.8	10.4	19.6	30.7	37.3	23.8	8.8	7.5	7.3	16.2
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	5.9	13.0	-	8.4	4.1	11.9	4.4	1.7	1.8	4.3
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	2.0	2.6	9.8	2.8	4.1	-	-	0.8	0.9	2.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.5	-	-	-	-	1.3	-	-	-	-	-	-	-	4.1	-	-	0.3	0.4	-
C70-C72	-	1.4	-	-	-	-	1.5	1.6	-	-	-	6.5	5.6	4.1	11.9	-	1.2	1.2	1.9
C73	-	-	-	-	2.3	-	4.6	1.6	1.7	-	-	3.3	-	4.1	6.0	-	1.2	1.0	1.1
C74	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C81	-	-	-	1.2	-	-	-	3.2	-	-	-	-	-	-	-	-	0.3	0.3	0.6
C82-C86,C96	-	-	1.3	-	-	-	1.5	1.6	1.7	-	7.8	3.3	2.8	16.6	11.9	4.4	1.8	1.9	2.7
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	1.3	-	-	-	2.0	2.6	3.3	-	-	11.9	8.8	0.9	0.9	1.2
C91	1.5	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	0.3	0.4	-
C92-C94	-	1.4	2.6	-	1.1	1.3	1.5	1.6	1.7	2.0	2.6	-	-	-	6.0	4.4	1.4	1.3	1.4
C95	-	1.4	-	-	-	1.3	-	1.6	-	-	-	-	-	-	-	-	0.3	0.3	0.3
O&U	1.5	-	1.3	-	-	-	-	1.6	1.7	2.0	13.0	16.4	8.4	20.7	23.8	17.6	3.6	3.7	6.3
Grand Total	4.6	4.3	5.3	2.4	9.0	9.1	31.9	59.1	81.7	144.9	230.9	248.7	273.1	385.2	423.1	259.1	79.9	79.8	159.9

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

**Table 48: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs)
(TR) Mortality Rate per 100,000 population: 2019– 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	3.4	2.0	2.6	-	5.6	4.2	-	8.9	1.1	1.0	2.2
C03-C06	-	-	-	-	-	-	-	-	-	-	-	3.3	2.8	-	-	-	0.2	0.2	0.8
C07-C08	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	0.1	0.1	0.3
C09	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	0.1	0.1	0.4
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	0.1	0.1	-
C11	-	-	-	-	-	-	-	1.6	-	2.0	-	-	-	-	-	-	0.2	0.2	0.7
C12-C13	-	-	-	-	1.1	-	-	-	1.7	2.0	-	3.3	2.8	-	18.1	8.9	1.2	1.1	1.5
C14	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	0.1	0.1	0.4
C15	-	-	-	-	-	-	1.5	3.2	-	5.9	28.9	23.2	19.7	33.5	30.1	44.4	6.3	6.3	12.0
C16	-	-	-	-	-	-	-	-	-	-	7.9	3.3	2.8	12.6	6.0	13.3	1.4	1.4	2.1
C17	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	-	-	-	-	-	5.9	-	3.3	2.8	-	12.1	17.8	1.3	1.2	1.9
C19-C20	-	-	-	-	-	-	-	-	-	4.0	-	-	-	-	-	-	0.2	0.2	0.8
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	1.6	-	2.0	2.6	13.2	14.1	54.5	6.0	8.9	3.3	3.4	4.6
C23-C24	-	-	-	-	-	-	-	4.8	5.2	5.9	7.9	16.6	22.6	16.8	54.3	-	4.4	4.5	9.4
C25	-	-	-	-	-	-	-	-	-	-	-	3.3	-	4.2	12.1	4.4	0.6	0.6	0.4
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	4.4	0.2	0.2	0.4
C32	-	-	-	-	1.1	1.3	-	-	-	-	5.2	-	2.8	-	-	4.4	0.7	0.7	1.2
C33-C34	-	-	-	-	-	-	-	-	-	5.9	10.5	9.9	11.3	8.4	18.1	8.9	2.5	2.5	5.6
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	1.3	-	1.1	-	-	-	-	-	-	-	2.8	-	12.1	-	0.6	0.6	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	12.1	-	0.5	0.5	0.7
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	0.2	0.3	0.8
C50	-	-	-	-	-	2.6	10.8	9.7	24.1	19.8	28.9	29.8	36.7	46.1	66.3	44.4	12.1	11.8	23.6
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	0.1	0.1	-
C52	-	-	-	-	-	-	-	1.6	1.7	-	-	-	-	-	-	-	0.2	0.2	0.6
C53	-	-	-	-	-	-	1.5	3.2	12.1	15.9	21.0	29.8	22.6	8.4	24.1	17.8	6.2	6.2	16.2
C54	-	-	-	-	-	-	-	1.6	1.7	4.0	-	-	-	4.2	18.1	8.9	1.2	1.1	1.4
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	-	-	15.9	5.2	13.2	8.5	12.6	24.1	4.4	2.9	3.0	6.7
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	1.7	-	2.6	-	8.5	4.2	6.0	-	0.8	0.8	1.8
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	1.7	2.0	-	-	2.8	-	-	4.4	0.5	0.4	1.1
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.5	-	-	2.3	-	1.5	1.6	3.4	4.0	2.6	-	-	4.2	-	4.4	1.4	1.3	2.2
C73	-	-	-	-	-	-	1.5	-	-	-	-	3.3	-	-	6.0	-	0.4	0.3	0.4
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	0.1	0.1	0.4
C82-C86,C96	-	-	-	-	-	-	1.5	3.2	1.7	2.0	-	-	-	8.4	-	13.3	1.2	1.0	1.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	2.0	-	-	2.8	8.4	-	-	0.5	0.5	0.7
C91	-	1.5	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	0.2	0.3	0.4
C92-C94	1.6	-	-	1.2	-	-	-	-	1.7	2.0	2.6	3.3	5.6	8.4	6.0	4.4	1.4	1.5	2.3
C95	-	-	-	-	-	-	-	4.8	-	-	-	3.3	-	8.4	-	-	0.7	0.7	1.4
O&U	-	-	-	-	-	-	1.5	-	1.7	4.0	10.5	9.9	14.1	16.8	36.2	40.0	4.1	3.9	5.9
Grand Total	1.6	2.9	1.3	1.2	5.7	3.9	20.0	37.2	63.7	107.0	149.6	178.8	203.0	264.0	367.8	275.5	59.4	58.7	113.6

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

Standard registry tables for the year 2020

Table 49: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2020 – MalesSangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	1	-	-	-	-	1	2	-	-	-	4	0.6
C01-C02	Tongue	-	-	-	-	-	-	3	1	2	3	4	6	3	4	3	2	31	4.5
C03-C06	Mouth	-	-	-	-	-	-	-	-	2	2	7	4	5	7	2	-	29	4.2
C07-C08	Salivary glands	-	-	-	1	-	-	-	-	-	-	-	-	1	3	-	-	5	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	1	4	0.6
C10	Other oropharynx	-	-	-	-	-	-	2	1	1	-	1	4	1	-	1	-	11	1.6
C11	Nasopharynx	-	-	-	-	-	-	1	-	-	1	-	-	-	2	-	-	4	0.6
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	1	-	5	-	2	4	3	16	2.3
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	2	3	7	5	12	10	9	14	6	68	9.9
C16	Stomach	-	-	-	-	-	-	1	-	2	-	1	-	1	3	4	4	16	2.3
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	3	0.4
C18	Colon	-	-	-	-	1	-	2	3	2	-	4	1	-	-	3	2	18	2.6
C19-C20	Rectum	-	-	-	-	-	2	1	-	1	1	4	1	-	1	2	-	13	1.9
C21	Anus	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.1
C22	Liver	-	-	-	-	-	-	-	1	1	7	17	14	17	7	11	2	77	11.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	2	2	1	2	5	6	18	2.6
C25	Pancreas	-	-	-	-	1	-	-	-	-	3	-	2	2	4	1	1	14	2.0
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	4	3	2	5	6	4	2	26	3.8
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1	-	3	2	10	5	8	3	5	5	42	6.1
C37-C38	Other thoracic organs	-	-	-	1	1	-	1	-	2	-	-	1	1	1	1	2	11	1.6
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	0.4
C43	Melanoma of skin	-	-	-	-	-	-	1	-	1	1	-	-	1	1	-	4	9	1.3
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1	-	-	-	-	-	3	-	-	1	1	-	1	-	7	1.0
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	3	0.4
C60	Penis	-	-	-	-	-	-	-	-	-	1	-	2	1	2	1	2	9	1.3
C61	Prostate	-	-	-	-	-	-	-	-	-	2	2	2	7	6	17	10	46	6.7
C62	Testis	-	-	-	1	1	3	2	1	-	-	-	2	-	-	-	-	10	1.5
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	1	-	-	-	-	-	2	-	2	3	3	2	5	-	1	19	2.8
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	1	-	2	1	2	4	4	3	7	24	3.5
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C70-C72	Brain, nervous system	-	2	-	1	-	2	1	2	1	3	3	3	3	4	1	1	27	3.9
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	0.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	1	3	1	-	-	1	1	-	-	-	-	1	1	-	-	9	1.3
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	1	-	-	-	2	1	1	3	2	2	3	4	2	21	3.1
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	1	-	-	1	1	-	3	-	6	0.9
C91	Lymphoid leukaemia	-	2	1	1	-	-	1	-	-	1	-	1	2	-	1	1	11	1.6
C92-C94	Myeloid leukaemia	-	-	-	-	2	-	-	-	3	1	1	1	4	1	2	-	15	2.2
C95	Leukaemia unspecified	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	0.3
O&U	Other and unspecified	1	-	-	1	-	-	-	1	2	2	4	7	9	2	10	13	52	7.6
ALL	All sites	2	6	5	8	6	8	19	18	33	47	77	90	99	83	106	80	687	100

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

Table 50: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2020 – Females Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	4	0.58
C03-C06	Mouth	-	-	-	-	-	1	-	-	-	-	2	2	1	4	-	-	10	1.44
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.29
C09	Tonsil	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1	3	0.43
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4	0.58
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.14
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	-	1	-	-	2	1	-	5	0.72
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	4	4	6	6	5	9	11	9	56	8.08
C16	Stomach	-	-	-	-	-	-	-	-	1	2	-	-	1	3	-	2	9	1.30
C17	Small intestine	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	0.29
C18	Colon	-	-	-	-	-	-	-	-	1	-	2	1	4	-	1	2	11	1.59
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	1	7	1.01
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	2	5	6	4	3	4	5	29	4.18
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	1	1	3	5	3	10	9	1	5	38	5.48
C25	Pancreas	-	-	-	-	-	-	1	-	-	1	1	2	3	1	1	1	11	1.59
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	2	0.29
C32	Larynx	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	1	4	0.58
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	2	-	-	3	1	6	2	14	2.02
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	0.29
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	2	2	1	1	1	4	1	12	1.73
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	1	-	1	-	1	-	-	1	-	-	4	0.58
C50	Breast	-	-	-	-	-	2	8	15	12	27	30	21	25	21	12	8	181	26.12
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	0.43
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.14
C53	Cervix uteri	-	-	-	-	-	-	-	4	9	15	12	9	11	3	2	4	69	9.96
C54	Corpus uteri	-	-	-	-	1	-	1	1	1	1	1	2	4	4	2	2	20	2.89
C55	Uterus unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.29
C56	Ovary	-	-	-	1	3	-	1	7	11	6	4	6	11	9	4	2	65	9.38
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	3	5	-	3	1	2	1	15	2.16
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	1	1	3	1	1	-	-	7	1.01
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	3	0.43
C70-C72	Brain, nervous system	-	1	-	-	-	-	1	1	-	-	-	2	2	1	2	-	10	1.44
C73	Thyroid	-	-	-	-	2	-	3	1	1	-	-	1	-	1	1	-	10	1.44
C74	Adrenal gland	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.14
C81	Hodgkin disease	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	3	0.43
C82-C86,C96	Non-Hodgkin lymphoma	-	-	1	-	-	-	1	1	1	-	3	1	1	4	2	1	16	2.31
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	1	-	-	-	1	1	1	-	-	2	2	8	1.15
C91	Lymphoid leukaemia	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	0.43
C92-C94	Myeloid leukaemia	-	1	2	-	1	1	1	1	1	1	1	-	-	-	1	1	12	1.73
C95	Leukaemia unspecified	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	3	0.43
O&U	Other and unspecified	1	-	1	-	-	-	-	1	1	1	5	5	3	5	4	4	31	4.47
Grand Total		3	3	4	2	8	7	21	37	48	74	89	76	98	93	71	59	693	100

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

Table 51: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs)(TR) Incidence Rate per 100,000 Population: 2020 – Males Sangrur District

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	Lip	-	-	-	-	-	-	1.4	-	-	-	-	3.2	5.8	-	-	-	0.4	0.4	1.2
C01-02	Tongue	-	-	-	-	-	-	4.3	1.5	3.3	5.5	9.0	19.5	8.7	15.0	14.9	8.6	3.2	3.4	7.1
C03-C06	Mouth	-	-	-	-	-	-	-	-	3.3	3.7	15.8	13.0	14.4	26.2	9.9	-	3.0	3.3	7.4
C07-C08	Salivary glands	-	-	-	0.9	-	-	-	-	-	-	-	-	2.9	11.2	-	-	0.5	0.5	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	2.3	6.5	-	-	-	4.3	0.4	0.5	1.2
C10	Other oropharynx	-	-	-	-	-	-	2.9	1.5	1.7	-	2.3	13.0	2.9	-	5.0	-	1.1	1.2	3.0
C11	Nasopharynx	-	-	-	-	-	-	1.4	-	-	1.8	-	-	-	7.5	-	-	0.4	0.4	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1.7	1.8	-	16.2	-	7.5	19.8	12.9	1.6	1.7	2.8
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	3.1	5.0	12.8	11.3	38.9	28.9	33.7	69.3	25.7	6.9	7.4	14.6
C16	Stomach	-	-	-	-	-	-	1.4	-	3.3	-	2.3	-	2.9	11.2	19.8	17.1	1.6	1.6	1.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	3.2	2.9	-	5.0	-	0.3	0.3	0.8
C18	Colon	-	-	-	-	1.0	-	2.9	4.6	3.3	-	9.0	3.2	-	-	14.9	8.6	1.8	1.8	3.4
C19-C20	Rectum	-	-	-	-	-	2.4	1.4	-	1.7	1.8	9.0	3.2	-	3.7	9.9	-	1.3	1.4	2.5
C21	Anus	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	0.1	0.1	0.3
C22	Liver	-	-	-	-	-	-	-	1.5	1.7	12.8	38.3	45.4	49.1	26.2	54.5	8.6	7.8	8.7	21.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	4.5	6.5	2.9	7.5	24.8	25.7	1.8	1.8	1.9
C25	Pancreas	-	-	-	-	1.0	-	-	-	-	5.5	-	6.5	5.8	15.0	5.0	4.3	1.4	1.5	2.6
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	7.3	6.8	6.5	14.4	22.5	19.8	8.6	2.7	2.9	5.2
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1.4	-	5.0	3.7	22.5	16.2	23.1	11.2	24.8	21.4	4.3	4.6	10.4
C37-C38	Other thoracic organs	-	-	-	0.9	1.0	-	1.4	-	3.3	-	-	3.2	2.9	3.7	5.0	8.6	1.1	1.1	1.4
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	2.3	-	2.9	-	-	4.3	0.3	0.3	0.7
C43	Melanoma of skin	-	-	-	-	-	-	1.4	-	1.7	1.8	-	-	2.9	3.7	-	17.1	0.9	0.9	1.0
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1.0	-	-	-	-	-	5.0	-	-	3.2	2.9	-	5.0	-	0.7	0.7	1.8
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	8.6	0.3	0.3	0.4
C60	Penis	-	-	-	-	-	-	-	-	-	1.8	-	6.5	2.9	7.5	5.0	8.6	0.9	1.0	1.6
C61	Prostate	-	-	-	-	-	-	-	-	-	3.7	4.5	6.5	20.2	22.5	84.2	42.9	4.7	4.7	4.9
C62	Testis	-	-	-	0.9	1.0	3.6	2.9	1.5	-	-	-	6.5	-	-	-	-	1.0	1.0	1.1
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	1.2	-	-	-	-	-	3.1	-	3.7	6.8	9.7	5.8	18.7	-	4.3	1.9	2.1	4.4
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	1.5	-	3.7	2.3	6.5	11.6	15.0	14.9	30.0	2.4	2.5	3.7
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
C70-C72	Brain, nervous system	-	2.3	-	0.9	-	2.4	1.4	3.1	1.7	5.5	6.8	9.7	8.7	15.0	5.0	4.3	2.8	2.9	5.4
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-	0.2	0.2	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	1.2	3.1	0.9	-	-	1.4	1.5	-	-	-	-	2.9	3.7	-	-	0.9	0.9	0.7
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	0.9	-	-	-	3.1	1.7	1.8	6.8	6.5	5.8	11.2	19.8	8.6	2.1	2.2	3.9
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	1.7	-	-	3.2	2.9	-	14.9	-	0.6	0.6	1.1
C91	Lymphoid leukaemia	-	2.3	1.0	0.9	-	-	1.4	-	-	1.8	-	3.2	5.8	-	5.0	4.3	1.1	1.2	1.5
C92-C94	Myeloid leukaemia	-	-	-	-	2.0	-	-	-	5.0	1.8	2.3	3.2	11.6	3.7	9.9	-	1.5	1.6	3.6
C95	Leukaemia unspecified	-	-	-	-	-	1.2	-	-	-	-	-	-	2.9	-	-	-	0.2	0.2	0.4
O&U	Other and unspecified	1.3	-	-	0.9	-	-	-	1.5	3.3	3.7	9.0	22.7	26.0	7.5	49.5	55.7	5.3	5.5	9.4
ALL	All sites	2.6	7.0	5.1	7.5	6.0	9.5	27.5	27.9	54.6	86.2	173.5	292.1	286.0	310.6	524.9	342.8	70.0	73.6	135.2

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

**Table 52: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR)
Incidence Rate per 100,000 Population: 2020 – Females Sangrur District**

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	-	2.0	-	3.3	-	4.1	-	4.4	0.5	0.5	0.8
C03-C06	Mouth	-	-	-	-	-	1.3	-	-	-	-	5.2	6.5	2.8	16.6	-	-	1.2	1.2	2.0
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	6.0	-	0.2	0.2	0.4
C09	Tonsil	-	-	-	-	1.1	-	-	-	-	-	-	-	-	4.1	-	4.4	0.3	0.3	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.9	4.4	0.5	0.4	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	0.1	0.1	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1.7	-	2.6	-	-	8.3	6.0	-	0.6	0.6	0.7
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1.5	1.6	6.8	7.8	15.6	19.6	13.9	37.3	65.6	39.5	6.5	6.4	10.0
C16	Stomach	-	-	-	-	-	-	-	-	1.7	3.9	-	-	2.8	12.4	-	8.8	1.0	1.0	1.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	4.4	0.2	0.2	0.4
C18	Colon	-	-	-	-	-	-	-	-	1.7	-	5.2	3.3	11.1	-	6.0	8.8	1.3	1.2	3.0
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	3.3	2.8	12.4	6.0	4.4	0.8	0.8	0.8
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	3.9	13.0	19.6	11.1	12.4	23.8	22.0	3.3	3.4	6.8
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	1.6	1.7	5.9	13.0	9.8	27.9	37.3	6.0	22.0	4.4	4.4	8.7
C25	Pancreas	-	-	-	-	-	-	1.5	-	-	2.0	2.6	6.5	8.4	4.1	6.0	4.4	1.3	1.3	2.7
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	4.4	0.2	0.2	-
C32	Larynx	-	-	-	-	-	-	-	-	1.7	-	2.6	3.3	-	-	-	4.4	0.5	0.5	1.2
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	3.9	-	-	8.4	4.1	35.8	8.8	1.6	1.6	1.8
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	2.8	4.1	-	-	0.2	0.2	0.4
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	3.9	5.2	3.3	2.8	4.1	23.8	4.4	1.4	1.4	2.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	1.5	-	1.7	-	2.6	-	-	4.1	-	-	0.5	0.4	0.7
C50	Breast	-	-	-	-	-	2.6	12.2	24.0	20.4	52.9	77.8	68.7	69.7	87.0	71.5	35.1	20.9	20.9	49.2
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	11.9	-	0.3	0.3	0.4
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	0.1	0.1	0.4
C53	Cervix uteri	-	-	-	-	-	-	-	6.4	15.3	29.4	31.1	29.5	30.7	12.4	11.9	17.6	8.0	8.0	22.7
C54	Corpus uteri	-	-	-	-	1.1	-	1.5	1.6	1.7	2.0	2.6	6.5	11.1	16.6	11.9	8.8	2.3	2.2	3.7
C55	Uterus unspecified	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	6.0	-	0.2	0.2	0.3
C56	Ovary	-	-	-	1.2	3.4	-	1.5	11.2	18.7	11.8	10.4	19.6	30.7	37.3	23.8	8.8	7.5	7.3	16.2
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	5.9	13.0	-	8.4	4.1	11.9	4.4	1.7	1.8	4.3
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	2.0	2.6	9.8	2.8	4.1	-	-	0.8	0.9	2.4
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1.5	-	-	-	-	1.3	-	-	-	-	-	-	-	4.1	-	-	0.3	0.4	-
C70-C72	Brain, nervous system	-	1.4	-	-	-	-	1.5	1.6	-	-	-	6.5	5.6	4.1	11.9	-	1.2	1.2	1.9
C73	Thyroid	-	-	-	-	2.3	-	4.6	1.6	1.7	-	-	3.3	-	4.1	6.0	-	1.2	1.0	1.1
C74	Adrenal gland	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C81	Hodgkin disease	-	-	-	1.2	-	-	-	3.2	-	-	-	-	-	-	-	-	0.3	0.3	0.6
C82-C86,C96	Non-Hodgkin lymphoma	-	-	1.3	-	-	-	1.5	1.6	1.7	-	7.8	3.3	2.8	16.6	11.9	4.4	1.8	1.9	2.7
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	1.3	-	-	-	2.0	2.6	3.3	-	-	11.9	8.8	0.9	0.9	1.2
C91	Lymphoid leukaemia	1.5	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	0.3	0.4	-
C92-C94	Myeloid leukaemia	-	1.4	2.6	-	1.1	1.3	1.5	1.6	1.7	2.0	2.6	-	-	-	6.0	4.4	1.4	1.3	1.4
C95	Leukaemia unspecified	-	1.4	-	-	-	1.3	-	1.6	-	-	-	-	-	-	-	-	0.3	0.3	0.3
O&U	Other and unspecified	1.5	-	1.3	-	-	-	-	1.6	1.7	2.0	13.0	16.4	8.4	20.7	23.8	17.6	3.6	3.7	6.3
Grand Total		4.6	4.3	5.3	2.4	9.0	9.1	31.9	59.1	81.7	144.9	230.9	248.7	273.1	385.2	423.1	259.1	79.9	79.8	159.9

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

Table 53: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2020 – MalesSangrur District
% = Relative Proportion of Cancers of All Sites

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	0.3
C01-C02	Tongue	-	-	-	-	-	-	1	1	2	-	4	2	4	5	4	1	24	3.7
C03-C06	Mouth	-	-	-	-	-	-	1	1	1	6	1	2	8	5	2	2	29	4.4
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	4	0.6
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	4	0.6
C10	Other oropharynx	-	-	-	-	-	-	-	1	2	1	-	4	3	-	1	-	12	1.8
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	4	0.6
C12-C13	Hypopharynx	-	-	-	-	-	1	-	1	2	-	2	3	2	4	1	4	2-	3.0
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2	0.3
C15	Oesophagus	-	-	-	-	1	-	-	2	1	4	6	11	5	7	15	7	59	9.0
C16	Stomach	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	3	7	1.1
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C18	Colon	-	-	-	1	1	-	-	2	1	1	2	-	1	1	2	2	14	2.1
C19-C20	Rectum	-	-	-	-	-	1	1	1	1	2	3	1	1	1	1	1	14	2.1
C21	Anus	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	3	0.5
C22	Liver	-	-	-	-	-	-	-	1	3	6	16	17	17	11	18	4	93	14.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	2	2	4	3	5	3	19	2.9
C25	Pancreas	-	-	-	-	1	-	-	1	1	4	-	3	4	5	-	2	21	3.2
C30-C31	Nose, sinuses etc.	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	3	0.5
C32	Larynx	-	-	-	-	-	-	1	-	-	2	2	4	7	4	4	1	25	3.8
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	1	2	3	9	4	13	4	6	6	48	7.3
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C40-C41	Bone	-	-	-	-	2	-	-	-	1	-	-	-	2	1	1	-	7	1.1
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	0.5
C44	Other skin	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	3	0.5
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C47,C49	Connective and soft tissue	1	-	-	-	1	1	-	-	-	1	-	-	-	1	-	2	7	1.1
C50	Breast	-	-	-	-	-	-	-	-	-	-	1	2	1	1	-	1	6	0.9
C60	Penis	-	-	-	-	-	-	-	-	-	2	1	-	1	1	-	-	5	0.8
C61	Prostate	-	-	-	-	-	-	-	-	-	-	1	1	5	13	7	2-	47	7.2
C62	Testis	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C64	Kidney	-	1	-	-	-	-	-	-	-	2	5	1	2	4	2	-	17	2.6
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C67	Bladder	-	-	-	-	-	-	-	1	2	-	1	3	1-	2	2	5	26	4.0
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.3
C70-C72	Brain, nervous system	-	1	-	1	-	1	-	1	3	1	2	5	2	3	-	-	2-	3.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.3
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	2	3	1	4	2	3	2	2	1	2-	3.0
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	1	3	2	1	-	-	7	1.1
C91	Lymphoid leukaemia	1	-	1	-	2	-	-	-	-	1	2	2	1	1	-	1	12	1.8
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	-	-	-	1	2	3	1	-	7	1.1
C95	Leukaemia unspecified	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	0.3
O&U	Other and unspecified	1	-	-	-	-	-	2	1	2	1	6	5	8	3	14	11	54	8.2
ALL	All sites	3	3	1	2	8	5	6	17	29	42	76	83	114	91	95	81	656	100.0

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

**Table 54: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2020– Females
Sangrur District (% = Relative Proportion of Cancers of All Sites)**

ICD 10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Grand Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	1	-	1	-	1	1	-	-	1	-	3	8	1.5
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	4	0.8
C07-C08	Salivary glands	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-	3	0.6
C09	Tonsil	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	2	0.4
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	-	1	-	2	-	-	4	0.8
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	1	-	2	2	5	4	8	10	7	10	7	56	10.8
C16	Stomach	-	-	-	-	-	-	2	2	1	-	-	-	1	3	-	1	8	1.5
C17	Small intestine	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	1	4	0.8
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	1	3	1	1	3	9	1.7
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	4	0.8
C21	Anus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C22	Liver	-	-	-	-	-	-	-	-	1	-	4	8	4	5	3	4	29	5.6
C23-C24	Gallbladder etc.	-	-	-	-	-	-	1	2	2	6	3	4	8	7	3	4	38	7.3
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	2	1	-	1	-	6	1.2
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	3	0.6
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	4	0.8
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1	1	2	-	1	2	3	3	5	1	19	3.7
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	3	0.6
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C44	Other skin	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3	5	1.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	0.4
C50	Breast	-	-	-	-	-	1	3	6	4	16	19	10	14	7	9	13	102	19.6
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.4
C52	Vagina	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	2	5	1.0
C53	Cervix uteri	-	-	-	-	-	-	1	3	5	5	4	8	10	5	6	5	52	10.0
C54	Corpus uteri	-	-	-	-	-	-	-	-	1	1	1	2	2	3	1	1	12	2.3
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.4
C56	Ovary	-	-	-	-	-	-	1	1	2	7	5	5	7	9	2	2	41	7.9
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	1	-	3	-	-	1	-	5	1.0
C65	Renal pelvis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.2
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	1	5	1.0
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C70-C72	Brain, nervous system	-	2	-	-	-	-	-	-	-	1	-	2	2	1	2	-	10	1.9
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	1	7	1.3
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C81	Hodgkin disease	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	2	0.4
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	-	1	-	-	-	1	1	3	2	-	9	1.7
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	2	-	1	1	1	-	5	1.0
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C92-C94	Myeloid leukaemia	-	-	1	-	-	1	-	2	1	-	-	-	-	-	1	-	6	1.2
C95	Leukaemia unspecified	1	-	-	1	-	-	-	1	-	-	-	-	-	-	1	-	4	0.8
O&U	Other and unspecified	1	-	1	-	-	-	1	-	1	4	3	2	3	8	4	6	34	6.5
Grand Total		3	3	3	1	1	5	9	23	22	55	51	65	80	76	62	61	520	100.0

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

Table 55: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 Population: 2020 – Males Sangrur District

ICD 10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	3.2	-	3.7	-	-	0.2	0.2	0.4
C01-02	-	-	-	-	-	-	1.4	1.5	3.3	-	9.0	6.5	11.6	18.7	19.8	4.3	2.4	2.6	4.7
C03-C06	-	-	-	-	-	-	1.4	1.5	1.7	11.0	2.3	6.5	23.1	18.7	9.9	8.6	3.0	3.2	6.9
C07-C08	-	-	-	-	-	-	-	-	-	1.8	2.3	3.2	2.9	-	-	-	0.4	0.5	1.5
C09	-	-	-	-	-	-	-	-	-	-	2.3	3.2	-	-	5.0	4.3	0.4	0.4	0.8
C10	-	-	-	-	-	-	-	1.5	3.3	1.8	-	13.0	8.7	-	5.0	-	1.2	1.4	4.1
C11	-	-	-	-	-	-	-	-	-	-	-	3.2	-	7.5	5.0	-	0.4	0.5	0.4
C12-C13	-	-	-	-	-	1.2	-	1.5	3.3	-	4.5	9.7	5.8	15.0	5.0	17.1	2.0	2.1	3.7
C14	-	-	-	-	-	-	-	-	-	1.8	2.3	-	-	-	-	-	0.2	0.2	0.7
C15	-	-	-	-	1.0	-	-	3.1	1.7	7.3	13.5	35.7	14.4	26.2	74.3	30.0	6.0	6.4	11.0
C16	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.7	9.9	12.9	0.7	0.7	0.4
C17	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	0.1	0.1	0.4
C18	-	-	-	0.9	1.0	-	-	3.1	1.7	1.8	4.5	-	2.9	3.7	9.9	8.6	1.4	1.4	2.4
C19-C20	-	-	-	-	-	1.2	1.4	1.5	1.7	3.7	6.8	3.2	2.9	3.7	5.0	4.3	1.4	1.5	3.2
C21	-	-	-	-	-	-	-	-	1.7	1.8	-	-	2.9	-	-	-	0.3	0.3	1.0
C22	-	-	-	-	-	-	-	1.5	5.0	11.0	36.0	55.2	49.1	41.2	89.1	17.1	9.5	10.4	22.7
C23-C24	-	-	-	-	-	-	-	-	-	-	4.5	6.5	11.6	11.2	24.8	12.9	1.9	2.0	3.1
C25	-	-	-	-	1.0	-	-	1.5	1.7	7.3	-	9.7	11.6	18.7	-	8.6	2.1	2.3	4.8
C30-C31	-	1.2	-	-	-	-	-	-	-	-	2.3	-	-	-	-	4.3	0.3	0.3	0.4
C32	-	-	-	-	-	-	1.4	-	-	3.7	4.5	13.0	20.2	15.0	19.8	4.3	2.5	2.8	5.7
C33-C34	-	-	-	-	-	-	-	1.5	3.3	5.5	20.3	13.0	37.6	15.0	29.7	25.7	4.9	5.2	11.8
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C40-C41	-	-	-	-	2.0	-	-	-	1.7	-	-	-	5.8	3.7	5.0	-	0.7	0.7	1.1
C43	-	-	-	-	-	-	-	-	-	-	2.3	-	2.9	-	-	4.3	0.3	0.3	0.7
C44	-	-	-	-	-	-	-	-	-	1.8	-	-	-	3.7	5.0	-	0.3	0.3	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C47,C49	1.3	-	-	-	1.0	1.2	-	-	-	1.8	-	-	-	3.7	-	8.6	0.7	0.7	0.4
C50	-	-	-	-	-	-	-	-	-	-	2.3	6.5	2.9	3.7	-	4.3	0.6	0.7	1.6
C60	-	-	-	-	-	-	-	-	-	3.7	2.3	-	2.9	3.7	-	-	0.5	0.6	1.4
C61	-	-	-	-	-	-	-	-	-	-	2.3	3.2	14.4	48.6	34.7	85.7	4.8	4.7	2.6
C62	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	0.1	0.1	0.3
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C64	-	1.2	-	-	-	-	-	-	-	3.7	11.3	3.2	5.8	15.0	9.9	-	1.7	1.9	3.7
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C67	-	-	-	-	-	-	-	1.5	3.3	-	2.3	9.7	28.9	7.5	9.9	21.4	2.7	2.8	6.3
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	4.3	0.2	0.2	0.0
C70-C72	-	1.2	-	0.9	-	1.2	-	1.5	5.0	1.8	4.5	16.2	5.8	11.2	-	-	2.0	2.2	5.2
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C74	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	5.0	-	0.2	0.2	0.4
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C82-C86,C96	-	-	-	-	-	-	-	3.1	5.0	1.8	9.0	6.5	8.7	7.5	9.9	4.3	2.0	2.2	5.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0
C90	-	-	-	-	-	-	-	-	-	-	2.3	9.7	5.8	3.7	-	-	0.7	0.8	2.4
C91	1.3	-	1.0	-	2.0	-	-	-	-	1.8	4.5	6.5	2.9	3.7	-	4.3	1.2	1.3	2.3
C92-C94	-	-	-	-	-	-	-	-	-	-	-	3.2	5.8	11.2	5.0	-	0.7	0.8	1.2
C95	-	-	-	-	-	1.2	-	-	-	-	-	-	2.9	-	-	-	0.2	0.2	0.4
O&U	1.3	-	-	-	-	-	2.9	1.5	3.3	1.8	13.5	16.2	23.1	11.2	69.3	47.1	5.5	5.6	8.6
ALL	3.9	3.5	1.0	1.9	7.9	6.0	8.7	26.3	47.9	77.0	171.2	269.3	329.3	340.5	470.5	347.1	66.9	70.9	134.1

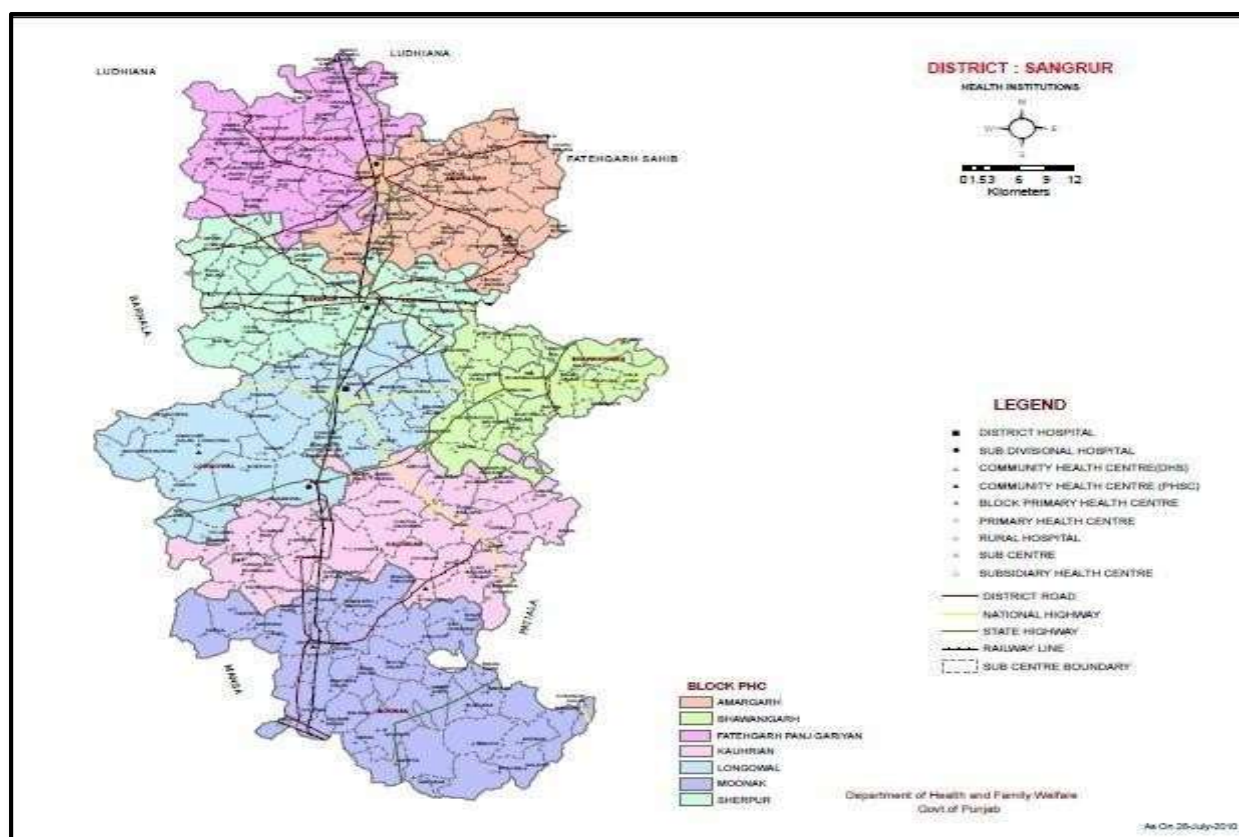
* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 56: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 population: 2020 – Females Sangrur District

ICD 10	Site	%	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	1.5	-	-	-	-	-	1.3	-	1.6	-	2.0	2.6	-	-	4.1	-	13.2	0.9	0.8	1.1
C03-C06	Mouth	0.8	-	-	-	-	-	-	-	-	-	-	2.6	3.3	-	4.1	6.0	-	0.5	0.5	0.8
C07-C08	Salivary glands	0.6	-	1.4	-	-	-	-	1.5	-	-	-	-	-	2.8	-	-	-	0.3	0.3	0.4
C09	Tonsil	0.4	-	-	-	-	1.1	-	-	-	-	-	-	-	-	4.1	-	-	0.2	0.2	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	0.8	-	-	-	-	-	-	-	-	-	2.0	-	3.3	-	8.3	-	-	0.5	0.5	0.8
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	10.8	-	-	-	-	-	1.3	-	3.2	3.4	9.8	10.4	26.2	27.9	29.0	59.6	30.7	6.5	6.4	11.8
C16	Stomach	1.5	-	-	-	-	-	-	-	3.2	1.7	-	-	-	2.8	12.4	-	4.4	0.9	0.9	1.3
C17	Small intestine	0.8	-	-	-	-	-	-	-	-	-	3.9	-	-	-	4.1	-	4.4	0.5	0.4	0.8
C18	Colon	1.7	-	-	-	-	-	-	-	-	-	-	-	3.3	8.4	4.1	6.0	13.2	1.0	1.0	1.5
C19-C20	Rectum	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	11.9	4.4	0.5	0.5	-
C21	Anus	0.2	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-	0.1	0.1	0.4
C22	Liver	5.6	-	-	-	-	-	-	-	-	1.7	-	10.4	26.2	11.1	20.7	17.9	17.6	3.3	3.4	6.8
C23-C24	Gallbladder etc.	7.3	-	-	-	-	-	-	-	1.6	3.4	11.8	7.8	13.1	22.3	29.0	17.9	17.6	4.4	4.4	9.1
C25	Pancreas	1.2	-	-	-	-	-	-	-	-	-	2.0	2.6	6.5	2.8	-	6.0	-	0.7	0.7	2.0
C30-C31	Nose, sinuses etc.	0.6	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	6.0	4.4	0.3	0.3	0.4
C32	Larynx	0.8	-	-	-	-	-	-	-	-	-	-	-	6.5	2.8	-	6.0	-	0.5	0.5	1.2
C33-C34	Trachea, bronchus and lung	3.7	-	-	-	-	-	-	1.5	1.6	3.4	-	2.6	6.5	8.4	12.4	29.8	4.4	2.2	2.2	3.3
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	0.6	-	-	1.3	-	-	-	-	-	-	-	-	-	2.8	4.1	-	-	0.3	0.4	0.4
C43	Melanoma of skin	0.2	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	0.1	0.1	0.4
C44	Other skin	1.0	-	-	-	-	-	-	1.5	-	-	-	-	-	2.8	-	-	13.2	0.6	0.5	0.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	0.4	-	-	-	-	-	-	-	-	-	2.0	-	-	-	4.1	-	-	0.2	0.2	0.4
C50	Breast	19.6	-	-	-	-	-	1.3	4.6	9.6	6.8	31.3	49.3	32.7	39.0	29.0	53.6	57.1	11.8	11.7	26.4
C51	Vulva	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	4.4	0.2	0.2	-
C52	Vagina	1.0	-	-	-	-	-	-	-	-	-	2.0	-	-	2.8	4.1	-	8.8	0.6	0.5	0.7
C53	Cervix uteri	10.0	-	-	-	-	-	-	1.5	4.8	8.5	9.8	10.4	26.2	27.9	20.7	35.8	22.0	6.0	5.9	13.1
C54	Corpus uteri	2.3	-	-	-	-	-	-	-	-	1.7	2.0	2.6	6.5	5.6	12.4	6.0	4.4	1.4	1.4	2.7
C55	Uterus unspecified	0.4	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	6.0	-	0.2	0.3	0.4
C56	Ovary	7.9	-	-	-	-	-	-	1.5	1.6	3.4	13.7	13.0	16.4	19.5	37.3	11.9	8.8	4.7	4.8	10.3
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	1.0	-	-	-	-	-	-	-	-	-	2.0	-	9.8	-	-	6.0	-	0.6	0.6	1.6
C65	Renal pelvis	0.2	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	0.1	0.1	0.3
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	1.0	-	-	-	-	-	-	-	-	-	-	-	6.5	2.8	4.1	-	4.4	0.6	0.6	1.2
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	0.2	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	0.1	0.1	0.4
C70-C72	Brain, nervous system	1.9	-	2.9	-	-	-	-	-	-	-	2.0	-	6.5	5.6	4.1	11.9	-	1.2	1.3	1.9
C73	Thyroid	1.3	-	-	-	-	-	-	-	-	-	-	-	-	5.6	8.3	11.9	4.4	0.8	0.8	0.7
C74	Adrenal gland	0.2	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
C75	Other endocrine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	0.4	-	-	-	-	-	-	-	1.6	-	-	-	-	2.8	-	-	-	0.2	0.2	0.7
C82-C86,C96	Non-Hodgkin lymphoma	1.7	-	-	-	-	-	1.3	-	1.6	-	-	-	3.3	2.8	12.4	11.9	-	1.0	1.1	1.1
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	1.0	-	-	-	-	-	-	-	-	-	-	5.2	-	2.8	4.1	6.0	-	0.6	0.6	1.2
C91	Lymphoid leukaemia	0.2	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	0.1	0.1	0.4
C92-C94	Myeloid leukaemia	1.2	-	-	1.3	-	-	1.3	-	3.2	1.7	-	-	-	-	-	6.0	-	0.7	0.6	0.9
C95	Leukaemia unspecified	0.8	1.5	-	-	1.2	-	-	-	1.6	-	-	-	-	-	-	6.0	-	0.5	0.5	0.3
O&U	Other and unspecified	6.5	1.5	-	1.3	-	-	-	1.5	-	1.7	7.8	7.8	6.5	8.4	33.1	23.8	26.3	3.9	4.0	5.0
Grand Total		100.0	4.6	4.3	4.0	1.2	1.1	6.5	13.7	36.7	37.4	107.7	132.3	212.7	222.9	314.8	369.5	267.9	60.0	60.0	112.8

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

23. Village-wise incidence and mortality cases: 2013-2020



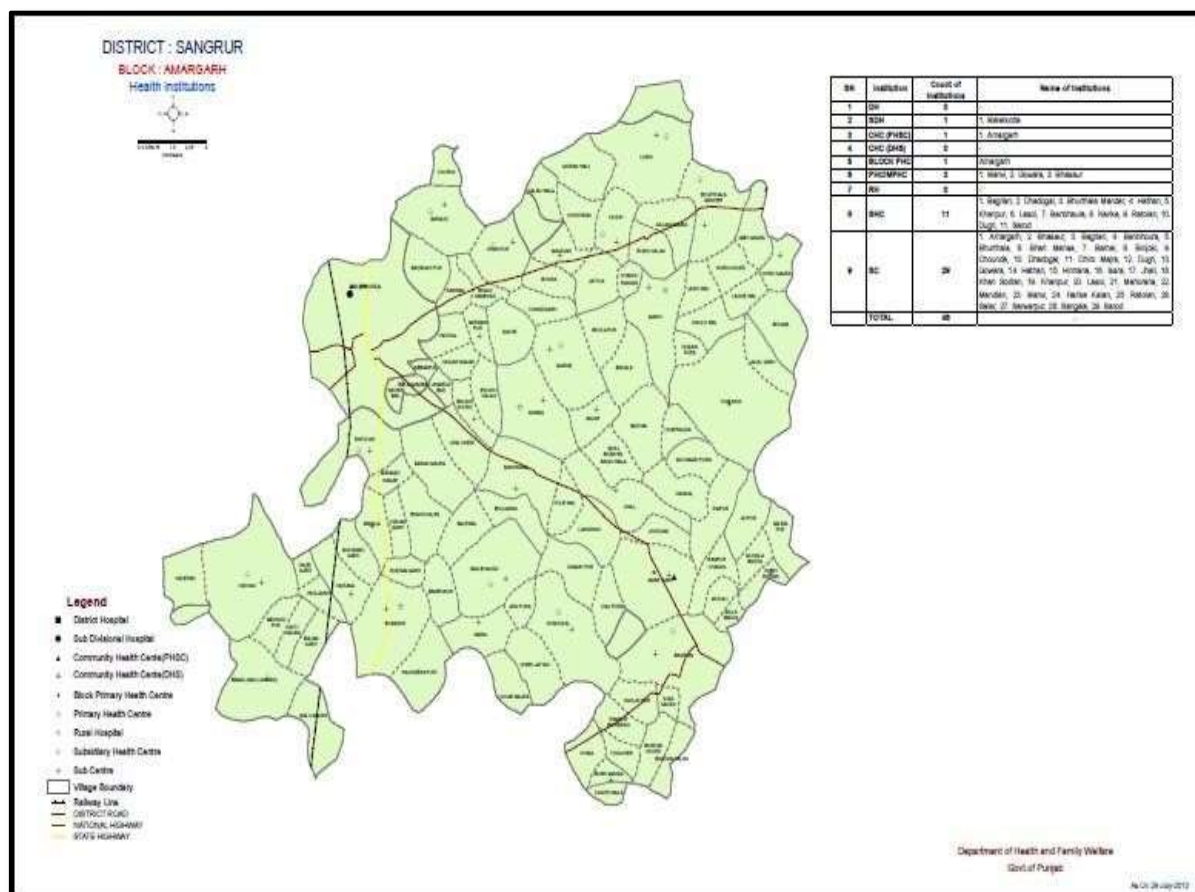
Village-wise Cancer Cancer Incidence Cases and Mortality Cases: Sangrur District

Area	Incidence (2013-2020)			Mortality (2013-2020)		
	Male	Female	Total	Male	Female	Total
Amargarh Block	459	447	906	374	312	686
Bhawanigarh Block	349	428	777	271	272	543
Fatehgarh Panjgrian	515	506	1021	431	341	772
Kauhrian Block	567	699	1266	422	464	886
Longowal Block	574	615	1189	413	401	814
Moonak Block	792	751	1543	620	492	1112
Sherpur Block	459	505	964	348	327	675
Urban	1079	1109	2188	779	572	1351
Grand Total	4794	5060	9854	3658	3181	6839

Cancer incidence and mortality in urban area of Sangrur district

Area	Incidence (2013-2020)			Mortality (2013-2020)		
	Male	Female	Total	Male	Female	Total
Sangrur	324	423	747	219	212	431
Dhuri	172	191	363	115	77	192
Sunam	177	193	370	129	109	238
Malerkotla	406	302	708	316	174	490
Total	1079	1109	2188	779	572	1351

Village-wise cancer incidence cases and mortality cases: Amargarh, Sangrur district

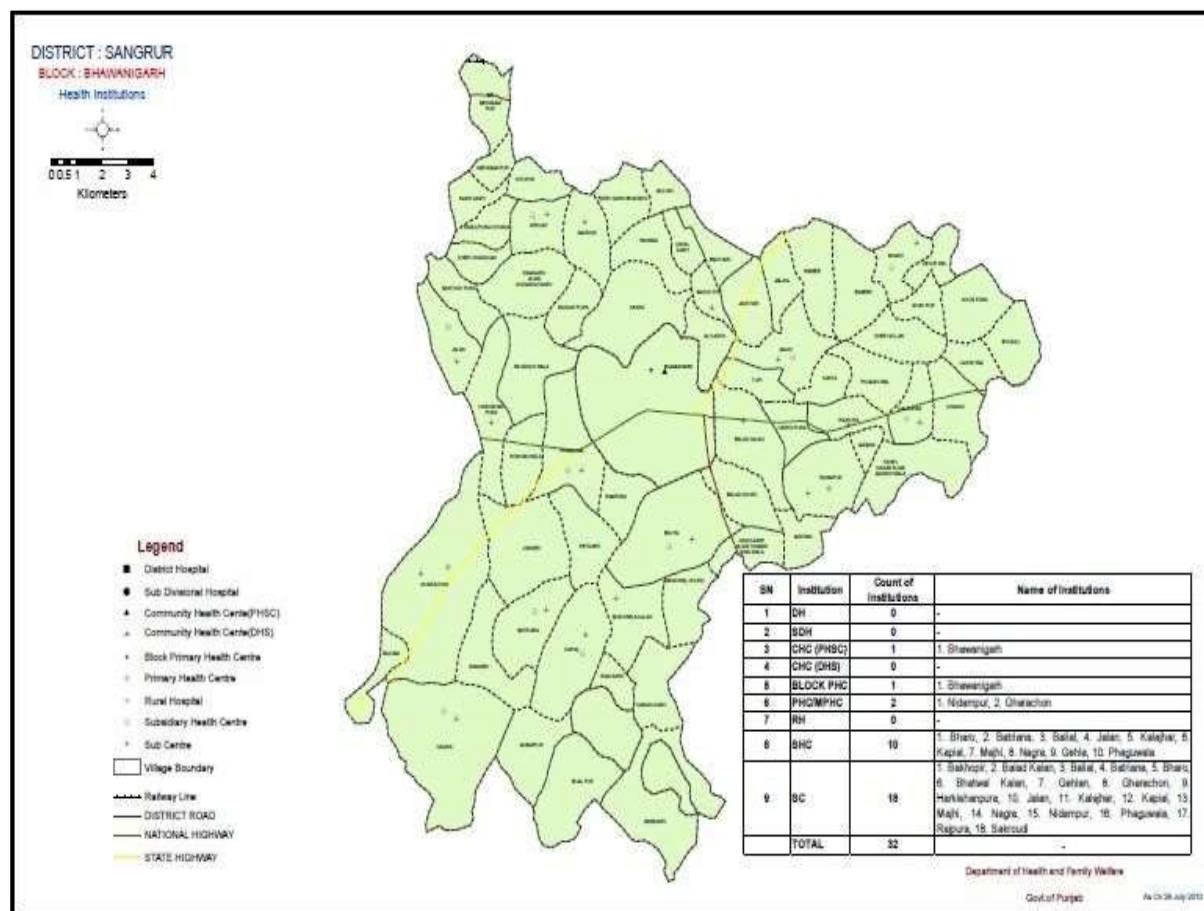


Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Alipur	8	2	10	5	0	5
2	Amargarh (Village)	23	24	47	19	18	37
3	Badesha	2	3	5	2	3	5
4	Badla	3	4	7	3	2	5
5	Badshahpur	5	3	8	4	3	7
6	Bagrian	13	13	26	12	11	23
7	Balamgarh	4	1	5	3	0	3
8	Bamal	7	11	18	8	5	13
9	Banbhoran (Budarheri)	12	12	24	10	9	19
10	Banbhori	4	3	7	4	3	7
11	Batha	5	4	9	7	4	11
12	Beer Ahmedabad	1	0	1	1	0	1
13	Bhaini Kalan	8	4	12	6	2	8
14	Bhaini Kamoan	4	2	6	4	3	7
15	Bhari Mansa	2	5	7	3	5	8
16	Bhasaur	8	15	23	8	10	18
17	Bhattian Kalan	2	3	5	2	2	4

18	Bhattian Khurd	0	3	3	0	1	1
19	Bhullran	2	2	4	1	0	1
20	Bhumsi	3	0	3	1	1	2
21	Bhurthala Mander	12	6	18	10	3	13
22	Binjoki Kalan	5	2	7	5	1	6
23	Binjoki Khurd	12	6	18	8	3	11
24	Bullanpur	3	1	4	2	1	3
25	Bunga	2	0	2	1	1	2
26	Burj Baghel	6	4	10	4	3	7
27	Chaprauda	0	1	1	0	1	1
28	Chaunda	13	22	35	12	17	29
29	Cheema (Amargarh Block)	2	8	10	2	4	6
30	Chhokran	3	3	6	3	4	7
31	Chupka	1	4	5	1	2	3
32	Dalanwal	2	1	3	3	0	3
33	Dalelgarh	9	10	19	6	7	13
34	Derogawal	1	3	4	0	1	1
35	Dhaddhogal	11	9	20	3	2	5
36	Dhiromajra	2	3	5	11	4	15
37	Dialpur Channa	2	0	2	2	2	4
38	Dolowal	4	2	6	1	0	1
39	Dugni	3	4	7	2	0	2
40	Dugri	7	6	13	2	0	2
41	Faizgarh	5	0	5	8	4	12
42	Gajjan Majra	0	4	4	3	0	3
43	Giga majra	1	0	1	0	2	2
44	Gowara	5	8	13	2	0	2
45	Haidarnagar	2	2	4	3	6	9
46	Hathan	12	17	29	2	1	3
47	Hathoa	6	4	10	9	9	18
48	Himtana	7	5	12	3	4	7
49	Husainpura (Amargarh Block)	2	0	2	5	2	7
50	Issra	8	8	16	2	0	2
51	jabomajra	2	2	4	8	5	13
52	jaggowal	6	1	7	2	1	3
53	Jalalgarh	0	3	3	6	0	6
54	Jati Majra	2	0	2	1	2	3
55	Jattuan	4	0	4	3	0	3
56	Jhall	5	6	11	4	0	4
57	Jhunda	1	0	1	3	4	7
58	Kaleran	6	5	11	6	5	11
59	Khanpur	4	3	7	2	4	6
60	Kheri Jattan	4	3	7	3	2	5
61	Kheri Sodhian	2	2	4	1	3	4

62	Iadewal	0	2	2	0	1	1
63	Langria	4	8	12	2	6	8
64	Lasoi	13	16	29	7	15	22
65	Lohar Majra	1	4	5	2	5	7
66	Mahorana	8	0	8	6	1	7
67	Malumajra	0	3	3	0	2	2
68	manak Majra	8	7	15	6	4	10
69	Mandian	6	1	7	4	1	5
70	Manvi	10	12	22	8	9	17
71	Mohala	5	1	6	2	1	3
72	Mohali	2	1	3	2	2	4
73	Mohamadgarh	5	3	8	4	4	8
74	Mohamadpur	1	3	4	1	1	2
75	moranwali	4	2	6	3	4	7
76	Mula Badan	1	3	4	1	2	3
77	Nangal	2	3	5	1	1	2
78	Narika Kalan	8	11	19	5	9	14
79	Narika Khurd	1	1	2	1	1	2
80	Niamatpur	2	3	5	1	1	2
81	Radwan	7	2	9	7	0	7
82	Raipur	7	5	12	5	3	8
83	Rajindra Puri	5	6	11	4	6	10
84	Rampur Bhindra	1	2	3	1	1	2
85	Rampur Channa	4	5	9	2	4	6
86	Ratolan (Amrgarh Block)	7	7	14	4	4	8
87	Rurki Kalan	3	4	7	3	3	6
88	Rurki Khurd	3	3	6	3	2	5
89	Rustam Garh	1	0	1	1	0	1
90	Salar	3	4	7	4	3	7
91	Salempur (amargarh block)	2	2	4	1	1	2
92	Sangala	4	5	9	3	3	6
93	Sangali	4	3	7	2	1	3
94	Sarod	8	11	19	6	8	14
95	Sarwarpur	4	4	8	4	3	7
96	Sehke	1	4	5	0	2	2
97	Togaheri	0	1	1	0	1	1
98	Tolewal	5	1	6	3	0	3
99	Uppoki (Uppal Kheri)	9	12	21	8	6	14
Total		459	447	906	374	313	687

Village-wise cancer incidence cases and mortality cases: Bhawanigarh, Sangrur district

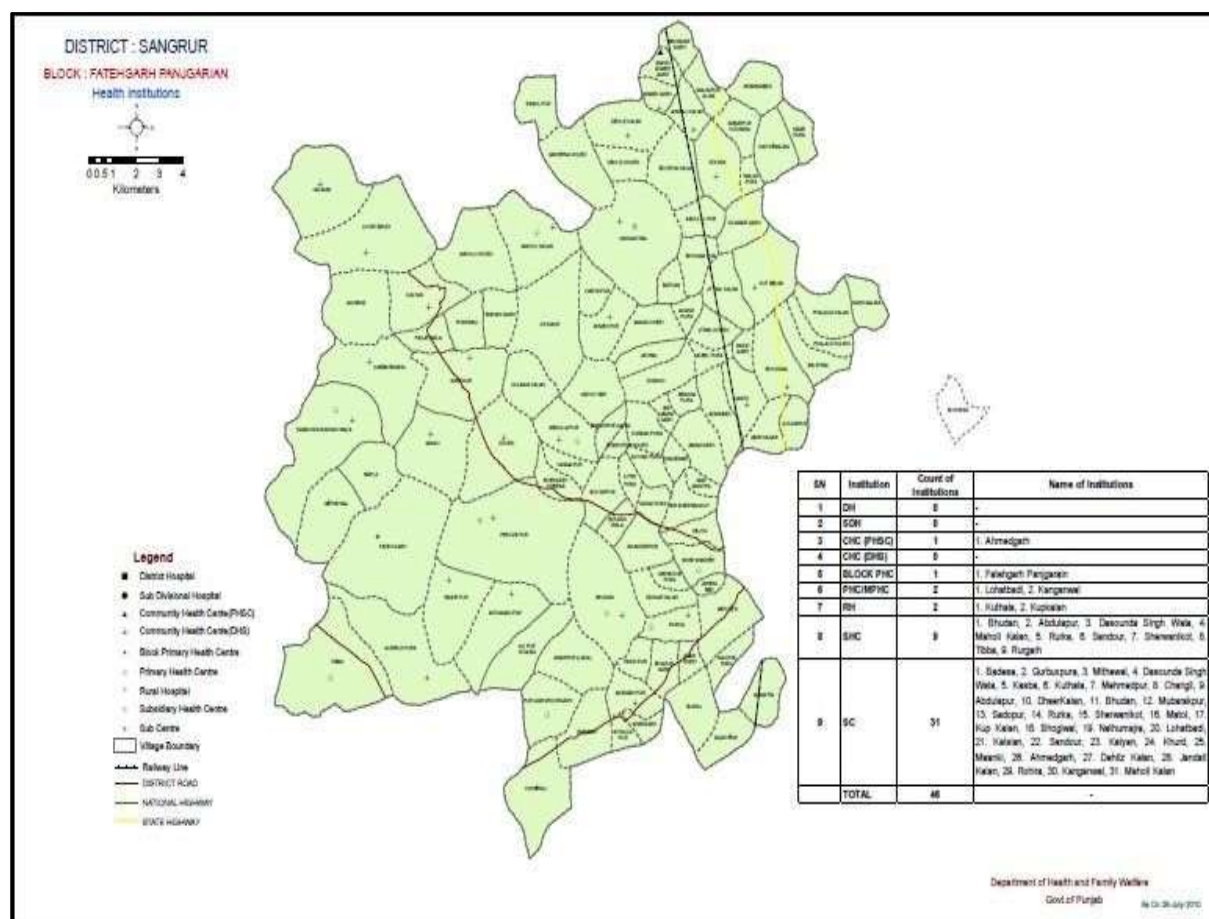


Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Akbarpur	8	7	15	4	5	9
2	Aloarkh	4	7	11	3	3	6
3	Bakhopir	0	4	4	0	4	4
4	Bakhtra	5	2	7	5	2	7
5	Bakhtri	3	5	8	3	3	6
6	Balad Kalan	9	7	16	5	6	11
7	Balad Khurd	4	3	7	4	3	7
8	Balad Kothi	1	3	4	1	1	2
9	Balial	12	18	30	10	13	23
10	Bassiarkh	4	6	10	4	4	8
11	Batriana	4	5	9	2	3	5
12	Bharaj	1	2	3	0	1	1
13	Bharo	6	6	12	5	4	9
14	Bhatiwal Kalan	9	22	31	9	15	24
15	Bhatiwal Khurd	3	4	7	1	1	2
16	Bhawanigarh	69	89	158	59	48	107
		Incidence (2013-2020)			Mortality (2013-2020)		

Sr. No.	Village name	Male	Female	Total	Male	Female	Total
17	Bijalpur	1	6	7	0	4	4
18	Bimbar	1	1	2	1	1	2
19	Bimbari	0	3	3	1	2	3
20	Channo	4	3	7	2	2	4
21	Dehlewal	1	2	3	0	1	1
22	Dialgarh (Bhwanigarh Block)	3	3	6	1	2	3
23	Ditupura	0	1	1	0	1	1
24	Fatehgarh Bhadson	5	4	9	1	5	6
25	Gehlan	3	5	8	1	3	4
26	Gharachon	24	26	50	16	24	40
27	Hardipura	1	5	6	2	1	3
28	Harkishanpura	3	4	7	1	1	2
29	Jalan	3	3	6	2	1	3
30	Jaulian	3	2	5	2	1	3
31	Jhaneri	12	12	24	9	4	13
32	Kakra	4	13	17	4	7	11
33	Kalajhar	3	5	8	2	2	4
34	Kapial	4	13	17	3	10	13
35	Kheri Chandwan	2	0	2	1	0	1
36	Kheri Gillan	0	4	4	0	1	1
37	Lakhewal	2	1	3	0	0	0
38	Majha	5	4	9	5	4	9
39	Majhi	13	9	22	8	4	12
40	Masani	1	3	4	0	1	1
41	Mattran	5	3	8	2	3	5
42	Mehsampur	6	5	11	5	5	10
43	Munshiwala	4	4	8	4	4	8
44	Nadampur	9	7	16	11	5	16
45	Nagra	15	17	32	15	8	23
46	Nakte	1	2	3	0	1	1
47	Nandgarh	3	0	3	2	0	2
48	Nandgarh (Thaman singh wala , Nawa Pind)	1	3	4	1	3	4
49	Naraingarh	2	4	6	2	4	6
50	Noorpura	3	3	6	1	2	3
51	Panwan	3	4	7	4	3	7
52	Phaguwala	8	7	15	8	4	12
53	Phamanwal	5	2	7	3	3	6
54	Rai Singh Wala	3	4	7	2	1	3
55	Rajpura	2	4	6	3	3	6
56	Ramgarh	3	0	3	2	0	2
57	Rampura (Bhawanigarh block)	10	7	17	9	4	13
58	Rasulpur chhana	1	3	4	1	2	3
59	Retgarh	5	3	8	4	2	6
		Incidence (2013-2020)			Mortality (2013-2020)		

Sr. No.	Village name	Male	Female	Total	Male	Female	Total
60	Roshanwala	1	2	3	1	1	2
61	Sajuma	2	2	4	2	1	3
62	Sakrodi	1	5	6	1	2	3
63	Sangatpura (Bhawanigarh Block)	2	2	4	2	1	3
64	Sanghreri	8	5	13	4	7	11
65	Santokhpura	1	3	4	0	0	0
66	Shahpur (Bhawanigarh Block)	5	4	9	5	3	8
67	Turi	0	1	1	0	2	2
Total		349	428	777	271	272	543

Village-wise cancer incidence cases and mortality cases: Fatehgarh Panjgarian, Sangrur district



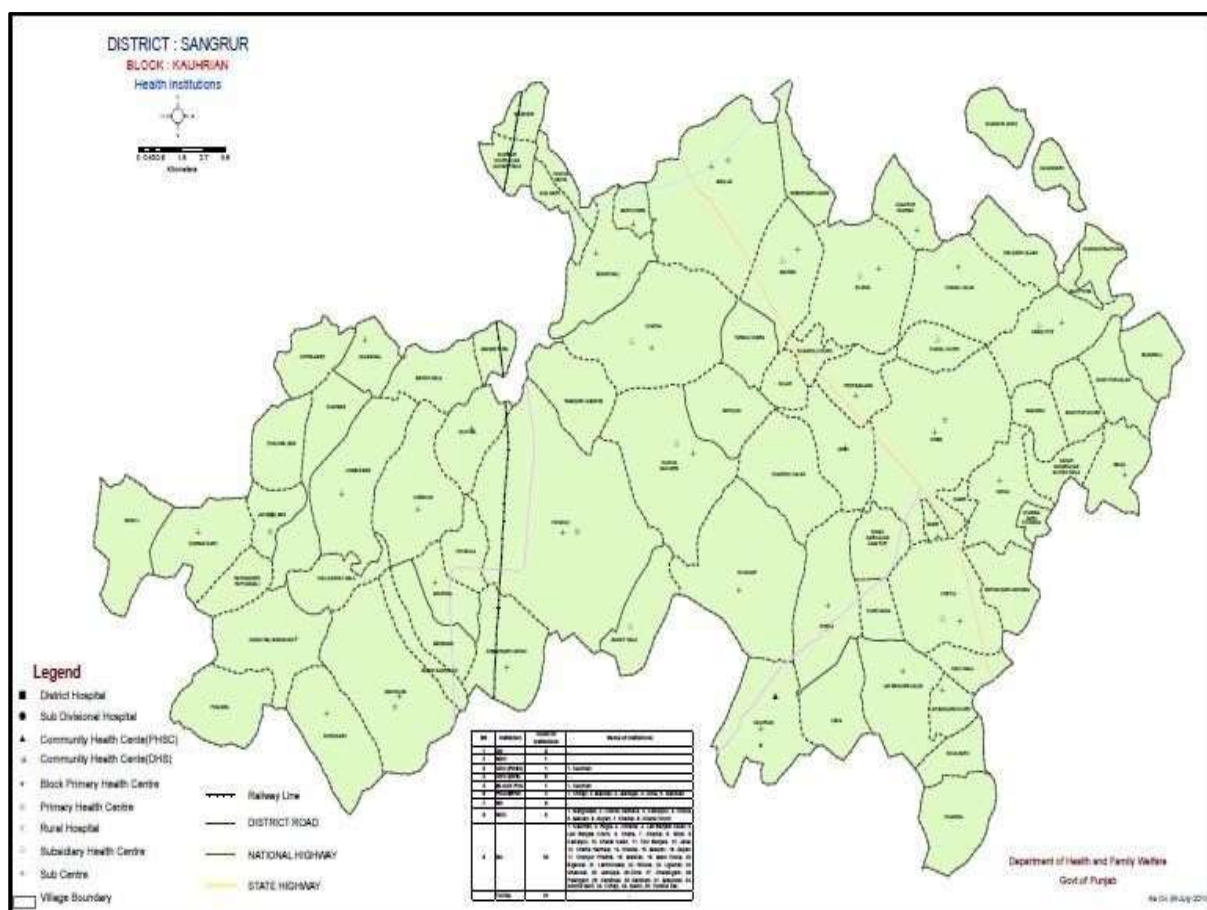
Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Aadam Wal	1	2	3	1	0	1
2	Aahen Kheri	6	1	7	3	2	5
3	Abdulapur	4	3	7	4	4	8
4	Ahmedgarh	63	63	126	52	34	86
5	Ahmedgarh Channa	3	4	7	2	2	4
6	Akbarpur Chhanna	4	7	11	2	5	7
7	Albelapur (Rodiwal)	3	2	5	3	1	4
8	Alipur Khalsa	8	4	12	7	3	10
9	Alipura	0	2	2	0	1	1
10	Amirnagar Dulma	4	6	10	4	5	9
11	Balewal	5	5	10	4	5	9
12	Bapla	3	1	4	1	0	1
13	Barkatpura	3	3	6	4	2	6
14	Bathan	5	1	6	4	1	5
15	Begowal	3	2	5	3	1	4
16	Bhogiwal	6	6	12	6	5	11
		Incidence (2013-2020)			Mortality (2013-2020)		

Sr. No.	Village name	Male	Female	Total	Male	Female	Total
17	Bhudan	11	7	18	9	4	13
18	Bir Imamgarh	0	1	1	0	0	0
19	Bishangarh	2	2	4	2	2	4
20	Borhai Kalan	5	4	9	5	2	7
21	Borhai Khurd	3	5	8	3	4	7
22	Budhrawan	1	1	2	1	1	2
23	Bukanwal	1	0	1	1	1	2
24	Burj	3	4	7	2	4	6
25	Chak Kalan	1	2	3	2	2	4
26	Chak Khurd	0	1	1	0	1	1
27	Changli	10	11	21	9	6	15
28	Dasaunda Singh Wala	1	4	5	1	2	3
29	Dehliz kalan	7	5	12	7	4	11
30	Dehliz khurd	4	4	8	4	2	6
31	Dhadhewara	6	1	7	6	1	7
32	Dhadhewari	3	1	4	3	1	4
33	Dhaler Kalan	9	9	18	10	8	18
34	Dhaler Khurd	2	2	4	1	3	4
35	Dhano	5	1	6	4	1	5
36	Dulma Kalan	4	4	8	2	1	3
37	Falewal	3	4	7	3	3	6
38	Faridpur Kalan	1	5	6	1	3	4
39	Faridpur Khurd	1	1	2	1	1	2
40	Fatehgarh Panjgarian(Village)	7	16	23	5	8	13
41	Fojewal	1	1	2	1	0	1
42	Gurbaxpura	5	9	14	5	6	11
43	Hakimpura	3	0	3	3	1	4
44	Husainpura (F.Panj Block)	2	5	7	1	4	5
45	Ibrahimpura	2	0	2	2	0	2
46	Imamgarh	2	7	9	2	5	7
47	Isapur Landa	2	5	7	1	3	4
48	Jalwana	4	0	4	3	0	3
49	Jandali Kalan	7	5	12	6	3	9
50	Jandali Khurd	4	7	11	3	4	7
51	Jatiwal	2	2	4	2	2	4
52	Jatiwal Arian	1	0	1	0	0	0
53	Jhaner	4	8	12	5	6	11
54	Jitwal Kalan	6	7	13	4	6	10
55	Jitwal Khurd	2	5	7	2	3	5
56	Kalyan	7	10	17	4	8	12
57	Kanganwal	17	8	25	12	6	18
58	Kasapur	4	6	10	4	4	8
59	Kasba	1	6	7	3	4	7
60	Khurd	21	9	30	18	7	25

		Incidence (2013-2020)	Mortality (2013-2020)
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Sr. No.	Village name	Male	Female	Total	Male	Female	Total
61	Kup Kalan	9	8	17	6	7	13
62	Kup Khurd	4	9	13	4	9	13
63	Kuthala	16	14	30	14	8	22
64	Madevi	6	3	9	3	2	5
65	Maherna Khurd	3	2	5	2	1	3
66	Mahmadpur	8	9	17	6	4	10
67	Maholi Kalan	5	8	13	5	7	12
68	Maholi Khurd	5	3	8	6	2	8
69	Manakheri+Anaditpura	3	5	8	4	3	7
70	Manki	5	2	7	7	1	8
71	Manmajra	1	1	2	0	1	1
72	Matoi	3	5	8	2	5	7
73	Mithewal	4	3	7	3	3	6
74	Momnabad	3	5	8	2	4	6
75	Mubarkpur	2	13	15	2	5	7
76	Naromajra	6	3	9	6	1	7
77	Nathoheri	3	5	8	2	3	5
78	Nathumajra	4	3	7	3	2	5
79	Naudhrani	5	6	11	5	4	9
80	Phalound Kalan	5	5	10	4	3	7
81	Phalound Khurd	1	5	6	0	4	4
82	Pharwahi	9	2	11	7	0	7
83	Pharwali	8	4	12	6	1	7
84	Rasulpur	2	2	4	1	1	2
85	Rohira	12	5	17	10	4	14
86	Roorgarh	3	0	3	2	0	2
87	Rurka	3	3	6	2	3	5
88	Sadipur	10	4	14	10	3	13
89	Sandaur	7	9	16	4	9	13
90	Sangain	5	6	11	3	3	6
91	Shergarh Cheema	7	2	9	6	2	8
92	Sherwanikot	4	4	8	5	2	7
93	Sikanderpura	6	3	9	5	3	8
94	Sultanpur Badesha	2	2	4	1	2	3
95	Takhar Kalan	4	5	9	4	4	8
96	Takhar Khurd	8	8	16	5	5	10
97	Tibba	7	10	17	4	7	11
98	Umarpura	2	4	6	2	2	4
99	Wazidpur Badesha	1	1	2	1	0	1
100	Wazidpur Badesha (Rohno)	6	8	14	4	3	7
Total		515	506	1021	431	341	772

Village-wise cancer incidence cases and mortality cases: Kauhrian, Sangrur district



Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Akalgarh	1	1	2	1	0	1
2	Amrukotra	2	5	7	2	3	5
3	Baghrol	3	10	13	3	2	5
4	Bakshiwal	10	8	18	7	6	13
5	Bhaini	1	4	5	1	2	3
6	Bharoor	1	7	8	1	7	8
7	Biggarwal	14	11	25	11	9	20
8	Bishanpura	7	2	9	7	1	8
9	Camper	11	6	17	9	4	13
10	Chahhar	20	14	34	14	11	25
11	Chathe Nanhera	6	14	20	6	12	18
12	Chauwas (Jakhepal)	9	16	25	9	10	19
13	Chhajla	5	3	8	2	3	5
14	Chhajli	37	37	74	27	25	52
15	Daula Singh Wala	2	8	10	0	5	5
16	Dhaliwas (Jakhepal)	4	9	13	3	3	6
Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total

17	Dhandial	3	8	11	4	5	9
18	Dhandoli Kalan	6	10	16	4	5	9
19	Dhandoli Khurd	6	4	10	3	1	4
20	Dharamgarh	8	10	18	5	7	12
21	Dharamgarh Channa	2	2	4	1	2	3
22	Dialgarh (Kauhrian Block)	1	8	9	3	5	8
23	Dirba	53	49	102	46	28	74
24	Falera	8	9	17	4	7	11
25	Fatehgarh	2	7	9	0	5	5
26	Gamri	0	1	1	0	0	0
27	Ghanaur Jatan	0	3	3	1	2	3
28	Ghanaur Rajputan	1	9	10	2	8	10
29	Ghanduan	11	13	24	10	5	15
30	Gharat	1	4	5	2	5	7
31	Ghasiwala	3	8	11	0	6	6
32	Gobindgarh	4	11	15	4	8	12
33	Gobindpura Nagri	4	7	11	1	5	6
34	Gujran	18	24	42	7	16	23
35	Hambalwas (Jakhepal)	8	13	21	4	10	14
36	Jaggatpura	1	2	3	1	2	3
37	Jakhepal Was (Jakhepal)	7	7	14	6	3	9
38	Janal	20	21	41	15	17	32
39	Jawandhe	2	9	11	2	5	7
40	Kadial	6	9	15	5	5	10
41	Kahangarh	1	10	11	0	7	7
42	Kakuwala	4	3	7	4	1	5
43	Kamalpur	11	9	20	8	5	13
44	Kanakwal	11	3	14	9	2	11
45	Kauhrian(village)	20	8	28	16	5	21
46	Khadial	15	19	34	13	17	30
47	Khadial Kothe	1	6	7	1	4	5
48	Khanal Kalan	14	14	28	11	9	20
49	Khanal Khurd	3	6	9	2	4	6
50	Khanpur Fakira	8	7	15	4	5	9
51	Khetla	7	11	18	3	7	10
52	Laadbanajara Khurd	5	4	9	3	4	7
53	Laadbanjara Kalan	8	10	18	5	6	11
54	Lakhmirwala	1	5	6	1	3	4
55	Maidewas	4	7	11	5	3	8
56	Mardkhera	0	1	1	0	1	1
57	Mauran	15	10	25	14	5	19
58	Mehlan	23	17	40	13	7	20
59	Mojowal	2	6	8	2	3	5
60	Nagakheri	4	1	5	1	0	1
Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
61	Nakte Chathe	1	5	6	1	1	2

62	Nihalgarh	2	3	5	1	1	2
63	Nilowal	7	17	24	5	13	18
64	Rampur Gujran	2	1	3	2	1	3
65	Rampur Kothe	1	2	3	1	2	3
66	Ratolan (Kauhrian Block)	3	4	7	3	3	6
67	Rattangarh	1	4	5	1	3	4
68	Rattangarh Chindran	0	1	1	0	1	1
69	Rogla	10	18	28	7	17	24
70	Safipur Kalan	4	7	11	1	4	5
71	Safipur Khurd	0	4	4	0	3	3
72	Sangtiwala	16	6	22	9	4	13
73	Santpura	1	1	2	1	1	2
74	Satauj	8	12	20	4	9	13
75	Sihal	5	7	12	5	4	9
76	Singhpura	1	0	1	0	0	0
77	Smooran	3	3	6	3	2	5
78	Sullar	4	5	9	4	5	9
79	Taranjikhhera	3	6	9	2	5	7
80	Tibi Basti Gurbakshpura	0	2	2	0	2	2
81	Toorbanjara	12	12	24	8	8	16
82	Ubhyan	5	8	13	4	7	11
83	Ugrahan	13	11	24	12	7	19
Total		567	699	1266	422	466	888

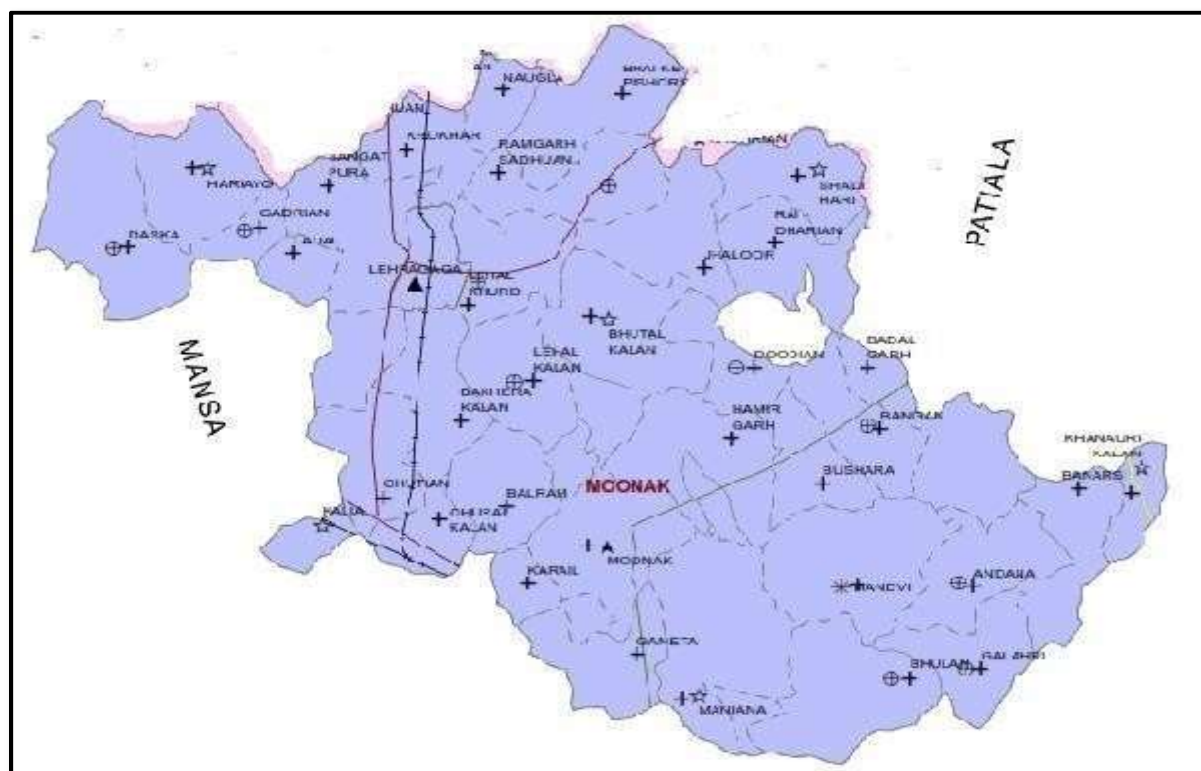
Village-wise cancer incidence cases and mortality cases: Longowal, Sangrur district

16	Dehkalan	1	5	6	1	1	2
17	Dhadrian	6	6	12	6	4	10
18	Dialgarh (Longowal Block)	7	4	11	5	1	6
19	Duggan	18	19	37	16	12	28
20	Ellwal	8	7	15	5	6	11
21	Fatehgarh Channa	12	1	13	9	3	12
22	Gagarpur	9	6	15	6	5	11
23	Ganga Singh Wala	1	2	3	0	2	2
24	Ghabadan	8	8	16	4	6	10
25	Gurdaspur	2	4	6	1	3	4
26	Hreri	3	3	6	2	2	4
27	Jharron	18	16	34	16	9	25
28	Jharron (Satti)	1	2	3	0	1	1
29	Jheor Majra (Sohian Khurd)	2	0	2	2	1	3
30	Kaloudi	9	6	15	5	4	9
31	Kambowal(Longowal)	1	0	1	0	0	0
32	Kamomajra kalan	2	4	6	3	2	5
33	Kamomajra Khurad	5	10	15	3	7	10
34	Kanoi	2	4	6	2	3	5
35	Kheri	7	11	18	6	8	14
36	Khilrian	3	6	9	1	4	5
37	Khurana	6	6	12	4	4	8
38	Khurani	2	1	3	1	1	2
39	Kila Bharian	6	4	10	4	5	9
40	Kularkhurd	12	14	26	10	8	18
41	Kunran	10	6	16	7	6	13
42	Laddi	3	4	7	2	3	5
43	Liddran	10	4	14	8	4	12
44	Loha khera	14	12	26	10	10	20
45	Longowal (Village)	76	79	155	50	36	86
46	Mander Kalan	2	7	9	1	8	9
47	Mander Khurd	4	5	9	4	1	5
48	Mangwal	14	13	27	10	8	18
49	Mohamadpur Channa	0	0	0	1	1	2
50	Namol	21	24	45	17	16	33
51	Nanakpur (Zulamgarh)	1	2	3	1	1	2
52	Pindian	0	1	1	0	1	1
53	Rampura (Longowal block)	0	1	1	0	0	0
54	Ratoke	4	10	14	3	5	8
55	Rupa Heri	0	7	7	0	4	4
56	Sahoke	2	7	9	2	4	6
57	Sarron	10	18	28	6	10	16
58	Shahpur (Longowal Block)	10	20	30	6	13	19
59	Sheron	18	33	51	12	21	33

Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total

60	Sibia	3	2	5	2	2	4
61	Sohian	3	4	7	2	3	5
62	Takkipur	0	0	0	0	0	0
63	Thlesan	1	1	2	0	3	3
64	Togewal	10	13	23	7	6	13
65	Tolawal	10	9	19	7	6	13
66	Tunggan	9	5	14	5	5	10
67	Ubhawal	30	28	58	26	26	52
68	Uppli	16	15	31	11	12	23
Total		574	615	1189	413	402	815

Village-wise cancer incidence cases and mortality cases: Moonak, Sangrur district

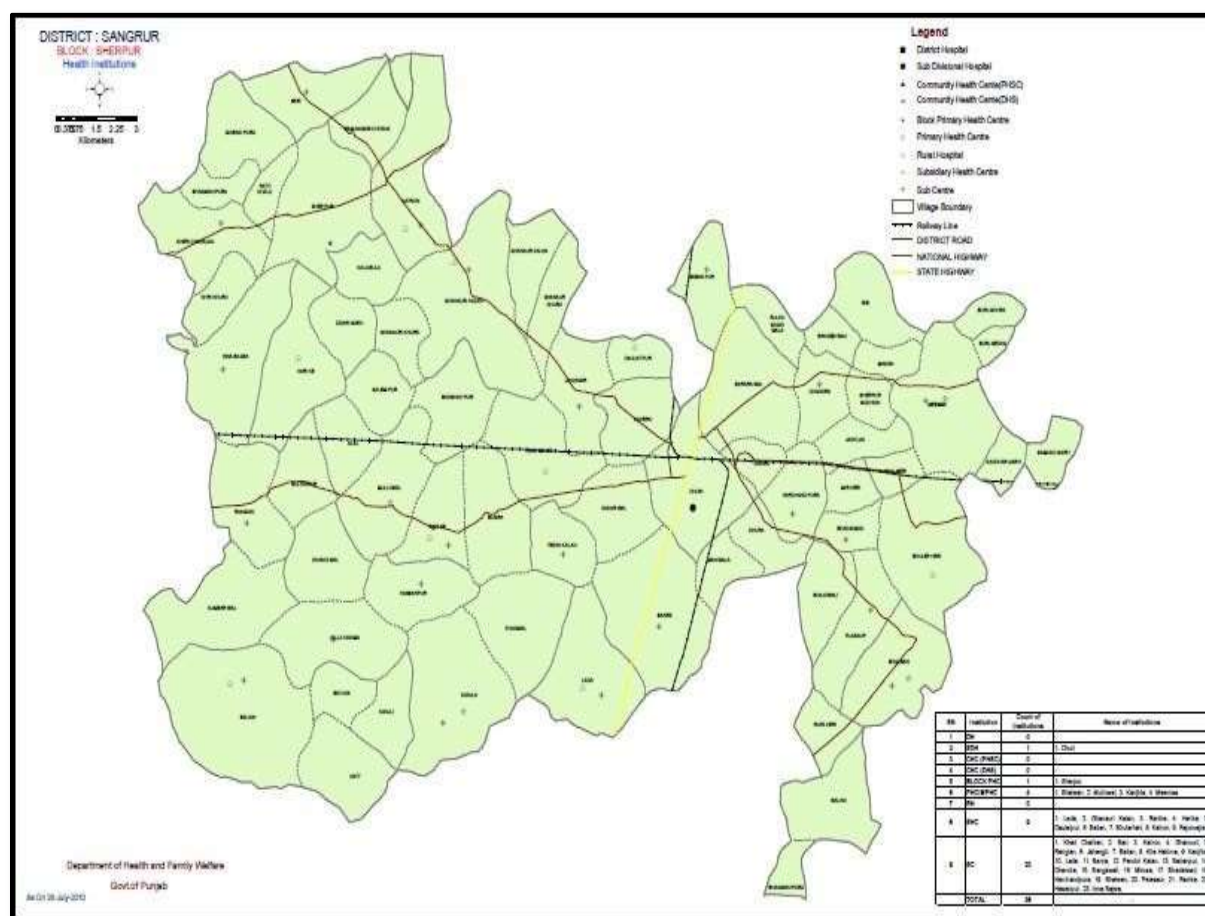


Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Alampur	3	7	10	2	9	11
2	Aliser	2	3	5	2	3	5
3	Andana	23	9	32	17	5	22
4	Arkwass	10	7	17	6	2	8
5	Badalgarh	11	7	18	9	5	14
6	Bahmni wala	9	3	12	5	3	8
7	Bakhora kalan	7	12	19	6	7	13
8	Bakhora Khurd	6	4	10	5	3	8
9	Balran	23	18	41	17	7	24
10	Banarsi	11	6	17	9	4	13
11	Banga	11	5	16	9	3	12
12	Bathua	9	7	16	9	5	14
13	Bhai ke pisor	16	9	25	11	7	18
14	Bhullan	12	9	21	9	7	16
15	BhunderBhaini	5	3	8	2	3	5
16	Bhutal kalan	29	11	40	18	10	28
17	Bhutal Khuard	8	11	19	7	10	17
18	Bishanpura Khokhar	0	5	5	0	4	4
19	Boper	6	7	13	6	7	13
20	Bushera	14	13	27	11	7	18
Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total

21	Chandu	6	1	7	6	1	7
22	Changaliwala	1	6	7	1	1	2
23	Chathe gobindapura	11	6	17	7	2	9
24	Chotian	7	12	19	2	3	5
25	Chural Kalan	10	12	22	7	10	17
26	Chural Khurd	2	5	7	1	1	2
27	Daska	4	10	14	3	7	10
28	Dehla	8	4	12	6	3	9
29	Dhindsa	6	7	13	6	6	12
30	Doodian	16	8	24	11	5	16
31	Gaga	10	14	24	7	14	21
32	Ganota	2	4	6	2	4	6
33	Ghamoorghat	3	2	5	3	1	4
34	Ghorenab	12	3	15	7	3	10
35	Gidriani	4	5	9	2	4	6
36	Gobindpura Jawahar wala	6	4	10		3	
37	Gobindpura Papda	3	9	12	3	3	6
38	Gulari	7	6	13	5	3	8
39	Gurnekalan	2	2	4	1	2	3
40	Gurnekhurd	4	2	6	3	2	5
41	Guru Nanak Nagar churalkalan	0	3	3	0	0	0
42	Hamirgarh	2	9	11	3	3	6
43	Handa	3	4	7	2	2	4
44	Harigarh	5	7	12	4	4	8
45	Harigarh Gehla	3	3	6	5	5	10
46	Haryao	8	13	21	4	5	9
47	Hotipur	1	5	6	0	5	5
48	Jhaloor	7	18	25	6	9	15
49	Kal banjara	3	15	18	3	10	13
50	Kalian	4	6	10	3	5	8
51	Karail	6	7	13	5	4	9
52	Karoda	8	10	18	8	8	16
53	Khai	7	4	11	5	3	8
54	Khandebad	9	8	17	8	6	14
55	Khanouri Khurd	1	2	3	1	2	3
56	Khanouri Kalan	38	22	60	29	10	39
57	Khokhar kalan	4	3	7	3	3	6
58	Khokhar khurd	5	7	12	4	7	11
59	Kotralehal	7	9	16	6	5	11
60	Kudni	5	5	10	5	4	9
61	Ladal	7	11	18	7	6	13
62	Lehalkalan	16	22	38	13	12	25
63	Lehalkhurd	6	4	10	3	3	6
64	Lehragaga	71	63	134	58	34	92
Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total

65	Mahan Singh wala	2	2	4	2	1	3
66	Makror Sahib	11	10	21	9	7	16
67	Mandvi	12	8	20	10	4	14
68	Mandvi Khurd	2	0	2	1	0	1
69	Maniana	14	8	22	10	4	14
70	Moonak (town)	62	55	117	46	39	85
71	Nangla	6	17	23	5	9	14
72	Navan Gaon	7	12	19	6	7	13
73	Phalud	4	2	6	4	2	6
74	Rai Dharana	21	20	41	22	16	38
75	Rajalheri	1	2	3	1	2	3
76	Ramgarh Gujran	2	3	5	1	3	4
77	Ramgarh Sandhua	6	4	10	5	2	7
78	Rampura gujra	3	8	11	1	9	10
79	Rampura jawahrwala	4	3	7	4	3	7
80	Ratta Khera	9	5	14	6	1	7
81	Rorewala	5	3	8	8	3	11
82	Salemgarh	8	6	14	6	7	13
83	Sangatpura (Moonak Block)	17	8	25	15	5	20
84	Shadihari	23	13	36	19	10	29
85	Shekhuwass	6	14	20	5	10	15
86	Shergarh	1	6	7	2	4	6
87	Thaska	1	3	4	1	1	2
88	Therri	0	1	1	0	0	0
Total		792	751	1543	620	492	1112

Village-wise cancer incidence cases and mortality cases: Sherpur, Sangrur district



Sr. No.	Village name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Alal	7	6	13	4	3	7
2	Babanpur	6	8	14	5	6	11
3	Badashpur	7	6	13	8	3	11
4	Balian (Sherpur block)	15	16	31	9	13	22
5	Bangawali	4	5	9	3	4	7
6	Bardwal	8	13	21	6	8	14
7	Barri	9	7	16	7	4	11
8	Batuha	4	4	8	4	4	8
9	Benra	14	13	27	12	15	27
10	Bhadalwad	1	2	3	0	0	0
11	Bhagwanpura	2	2	4	2	1	3
12	Bhalwan	6	9	15	2	6	8
13	Bhojowali	7	3	10	5	1	6
14	Bhullerheri	11	14	25	10	7	17
15	Bugra	7	9	16	7	5	12
16	Burj Gohra	0	1	1	0	0	0

	Incidence (2013-2020)	Mortality (2013-2020)
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Sr. No.	Village name	Male	Female	Total	Male	Female	Total
17	Burj Sedha	1	1	2	0	1	1
18	Daultpur	5	5	10	4	3	7
19	Dhandiwal	9	3	12	9	4	13
20	Dhandra	8	5	13	7	3	10
21	Dhura	4	5	9	3	3	6
22	Dhuri Pind	9	13	22	7	7	14
23	Didargarh	8	7	15	5	6	11
24	Dohla	5	2	7	4	1	5
25	Ena Bajwa	14	13	27	12	12	24
26	Ghanour Kalan	9	8	17	4	3	7
27	Ghanour Khurd	7	7	14	4	2	6
28	Ghanouri Kalan	14	23	37	14	20	34
29	Ghanouri Khurd	2	1	3	2	1	3
30	Gobindpura	3	0	3	2	0	2
31	Harchandpur	1	4	5	1	5	6
32	Hasanpur	4	12	16	3	4	7
33	Herike	13	7	20	11	1	12
34	Issi	2	4	6	1	2	3
35	Jahangir	6	5	11	4	2	6
36	Jakhlan	5	2	7	5	3	8
37	Kakkarwal	10	6	16	6	5	11
38	Kala Bula	6	5	11	3	5	8
39	Kandhargah Channa	1	5	6	0	2	2
40	Kanjali	4	3	7	4	0	4
41	Kanjla	14	21	35	11	17	28
42	Katron	12	19	31	9	13	22
43	Kaulseri	3	7	10	2	3	5
44	Kheri Kalan	8	15	23	6	12	18
45	Kheri Khurd	2	4	6	0	1	1
46	Kheru	8	3	11	7	0	7
47	Kila Hakima	8	4	12	5	2	7
48	Kumberwal	14	19	33	7	14	21
49	Ladda	10	8	18	8	6	14
50	Ladda Kothi	1	2	3	1	2	3
51	Mana	3	1	4	4	0	4
52	Manwala	1	2	3	0	1	1
53	Meemsa	10	18	28	7	10	17
54	Meerheri	2	3	5	2	1	3
55	Mullowal	16	15	31	13	11	24
56	Natt	9	6	15	8	2	10
57	Palasour	8	8	16	4	4	8
58	Patti Khalil	2	3	5	2	3	5
59	Pedhni Kalan	4	2	6	2	3	5
60	Punnawal	7	6	13	6	3	9

		Incidence (2013-2020)	Mortality (2013-2020)
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Sr. No.	Village name	Male	Female	Total	Male	Female	Total
61	Rajomajra	4	6	10	4	5	9
62	Ramnagar Channa	4	7	11	5	4	9
63	Rangian	9	12	21	6	8	14
64	Ranike	3	4	7	2	4	6
65	Ruldu Singh Wala	5	2	7	5	3	8
66	Salempur (sherpur block)	2	1	3	2	1	3
67	Samundgarh	1	2	3	1	0	1
68	Sherpur (Village)	23	36	59	14	17	31
69	Sherpur Sodhian	2	3	5	2	1	3
70`	Sultanpur	6	2	8	4	1	5
Total		459	505	964	348	327	675

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Homi Bhabha Cancer Hospital, Sangrur

Director Admin

Mr. Madho Singh, HBCH & RC, Punjab

Medical Superintendent

Dr. Sonali Shamdasni, HBCH & RC, Punjab

Assistant Medical Superintendent

Dr. Arpit Sharma, HBCH Sangrur

Department of Surgical Oncology

Dr. Arvind Guru, Assistant Professor

Dr. Sahil Mittal, Assistant Professor

Dr. Nishit Srivastava, Assistant Professor

Dr. Varun Saini, Assistant Professor, Plastic Surgery E

Dr. Anuj Sharma, Medical officer

Dr. Priyanka Makkar, Medical Officer (Adhoc)

Department of Radiation Oncology

Dr. Pragyat Thakur, Associate Professor

Dr. Nagarjun Rao, Associate Professor

Dr. Sahil Sood, Associate Professor

Dr. Jayashree Deshmukh, Assistant Professor

Dr. Alisha Sharma, Medical Officer 'E'

Department of Medical Oncology

Dr. Seema Gulia, Professor F

Dr. Pooja Prasad, Associate Professor

Dr. Nidhi Dhariwal, Medical Officer 'E'

Department of Pathology

Dr. Puneet K. S, Associate Professor

Dr. Aishwarya Sharma, Assistant Professor

Dr. Ravikiran N. Pawar, Assistant Professor

Dr. Nilay Nishith, Medical Officer 'E'

Department of Radio-Diagnosis

Dr. Ankur Dwivedi, Consultant (Assistant Professor)

Dr. Deepander S. Rathore, Assistant Professor

Department of Transfusion Medicine

Dr. Naveen Bansal, Assistant Professor

Department of Nuclear Medicine

Dr. Varun Sukla, Assistant Professor

Dr. Anshul Sharma, Assistant Professor

Department of Nursing

Ms. Vishally Sharma- Asst. Manager Nursing

Mr. Sunil Sharma -Asst. Manager Nursing

Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Navi Mumbai

Centre for Cancer Epidemiology, ACTREC, Navi Mumbai

Mr. Suryakant Shedge – Accounts Officer II

Dr. Suvarna Gore – Scientific Officer D

Administration, Accounts, Store & Purchase

Mr. Mihir R. Panda, Dy. administrative officer (HRD)
Mr. Keshav Sharma, Dy. Controller of Accounts
Dr. Dimple Kalra, Administrative Officer
Mr. Darshan Singh, Ad-hoc Assistant Store Officer

Information Technology

Mr. Manbir Singh Punia- Scientific Officer C
Mr. Rahul Diwedi- Scientific Officer D

District Administration

Sh. Jatinder Jorwal, IAS, Deputy Commissioner Sangrur
Ms. Palavi, IAS, Deputy Commissioner, Malerkotla

Civil Hospital, Sangrur

Dr. Vikas Dhir, Deputy Medical Commissioner
Dr. Upasna, District Epidemiology Unit
Dr. Pallavi Garg, Pathologist
Dr. Rahul, MD Medicine
Dr. Sunita Singla (M.S.)
Dr. Harbans Singh,
Dr. Varinder Singh,
Dr. Dinesh Kumar (M.S ENT)
Dr. Navdeep Arora (MD)
Dr. Ramanbir Kaur, Gynaecologist
Dr. Ravinderpal, Radiologist
Dr. Nidhi, Ophthalmologist

Birth and Death Registrar Sangrur

Mr. Deepak Bansal, Superintendent
Mr. Jagjeet Singh

Mukhyamantri Punjab Cancer Raahat Kosh Cancer Control cell, Punjab

Dr. Jaspal kaur, DHS
Dr. Paramveer Singh,
Dr. G.B. Singh, Assistant DHS NVBDCP Program Coordinator

PHC, Fatehgarh Panjgarhian

Dr. GS Bhinder, SMO
Dr. Harpreet Kaur CHO
Mr. Gulzar Khan, Death and Birth

CHC, Ahmedgarh

Dr Rajesh Garg (SMO)
Dr. Mohammad Shabir (MO)
Mrs. Neelam Rani B&D Registrar

Civil Hospital, Malerkotla

Dr Harinder Kumar- Civil Surgeon, Malerkotla
Dr. Mohinder Pardeep, SMO
MC Committee, Malerkotla
Mr. Ashu, Death & Birth Registrar
Cancer Cell, Malerkotla
Dr Punit Sidhu – District Health Officer & CC in-charge
Dr. Naresh Arora, Pharmacy Officer

Birth & Death, Malerkotla

Mrs. Aamna, Registrar

Births and Deaths Registrar, Cheema

Mr. Raj Kumar, Clerk
Mr. Kulwant Singh, Computer Operator

SDH, Dhuri

Dr. Kirpal Singh, SMO
Mr Pawan Kumar, Senior Phar. officer
Mrs. Kamal, ANM
Mr. Sawinderpal Singh, Clerk
Birth and Death Registrar Dhuri
Mr. Avtar Singh

CHC,

Sherpur

Dr. Kirpal Singh, SMO
Dr. Parminder Singh, MO
Mr. Tarsem Singh, BEE
Mr. Avtar Singh, Death and Birth Registrar

CHC, Amargarh

Dr.Ritu Sethi, SMO
Dr Gurwinder Singh (MD)
Dr. Mona Safad (MO)
Mr. Ranbir Singh, BEE

CHC, Kauhrian

Dr.Karamjit Singh, SMO
Dr Reshav Garg, MO
Dr Ravi Goyal, MO
Mr. Narinder Singh, BEE

Birth and Death Registrar Dirba

Guljar Singh, Jr. Asst

SDH, Moonak

Dr. Pavel Malwa, MO,
Additionalcharge

Dr. Mohit Singla, MO

Dr. Hinus Goyal, MO

Mr. Hardeep Singh, BEE

Mr. Ashok Kumar, SI

Birth and Death Registrar, Moonak

Mr. Jagdish Rai Goyal, MC President

Mr. Virtha, registrar

CHC, Lehra

Dr. Sanjay Bansal, SMO

Birth and Death Registrar, Lehra

Mr. Dharinder Singh, Clerk

PHC, Longowal

Dr. Anju Singla, SMO

Dr. Amandeep Kaur, MO

Dr. Jashanjot Kaur, MO

Dr. Samita Gupta, MO

Dr. Manpreet Kaur, MO

Dr. Charu Goyal, MO

Dr. Yadwinder Kaur, MO

Dr. Manita, MO

Mr. Yadwinder Singh, BEE

PHC Amargarh

Sharanjeet K

Births and Deaths Registrar, Longowal

Mr. Sukhdev Singh, Clerk

Mr. Darshan Singh, Computer Operator

Mr. Rajiv Kumar, Computer Operator

Mr. Satvir Singh, Computer Operator

Mr. Jaswinder Singh, Helper

CHC Sunam

Dr Sanjay Kamra, SMO

Dr. Puja Gupta, Gynecologists

Births and Deaths Registrar, Sunam

Mr. Gurwinder Singh, Clerk

Birth and Death Registrar, Khanouri kalan

Mr. Girdhari Lal Garg, MC President

Mr. Hardeep Singh, Death and Birth Registrar

Poonam Path Lab, Sangrur

Dr. Poonam, Pathologist

Savi Path Lab

Dr. Savi, Pathologist

SRL Diagnostics, Sangrur

Mr. Rakesh Chandel, Lab Technician

Sodhi Scan Centre, Sangrur

Dr. Jasbir Kaur Sodhi,

Radiologist Mr.

Sukhdeep Singh

**Harbans Ultrasound and CT Scan
Centre, Sangrur**

Dr. Harbans Singh,

Radiologist Mr.

Atma Singh, CT

Technician

Jindal Ultrasound Centre, Sangrur

Dr. Sushil, Consultant Radiologist

**Advance liver -gastro and
endoscopy Hospital, Sangrur**

Dr. Vipul Mittal

Leo Diagnostic, Sangrur

Dr. Hanish Singla

Sangrur Scan Centre, Sangrur

Dr. Vikram Jain, MD

Kiran Health Care, Sangrur

Dr. Kirandeep, Gynaecologist

Mittal Hospital, Sangrur

Dr. Gaurav Mittal

Dr. Surbhi, Pathologist

Raikhya maternity and Ortho-paedic centre, Sangrur

Dr. Gurjeet Raikhya, Gynaecologist Dr.

Kuldeep Singh Raikhya

Bansal Hospital, Sangrur

Dr. Ravinder Bansal, Surgeon

Sangrur Surgical and Laparoscopic Centre, Sangrur

Dr. Vinder Pal Garg, Surgeon

Grewal Nursing Home, Sangrur

Dr. Suman Grewal,

Gynaecologist

Yash Hospital, Sangrur

Dr. Yashpal Singh, MBBS, MS (ENT)

Sibia Health care, Sangrur

Dr. Prabhjot Singh Sibia, Surgeon

Singla Surgical Hospital, Sangrur

Dr. K.G Singla, Surgeon

Dr. Renu Singla, MBBS, DGO

Guru Nanak Dental College, Sunam

Dr. Sanjeev Jain, Principal

Dr. Munish Kumar,

Prof & Head Oral & Maxillofacial Surgeon

Dr. Ashwarya Sharma

Prof & Head Oral & Medicine & Radiology

AP Sharma Hospital Sunam

Dr. A.P Sharma, MD

Rajiv Singla Hospital Sunam

Dr. Rajiv Singla, Surgery specialist

Dr. Renu Singla, MBBS Physician

Viynak Hospital Sunam

Dr. Simpy Jindal, Gynaecologists

Dr. Rajiv Jindal, surgery specialist

Vishwas Hospital Sunam

Dr. Sangeeta Sharma, Gynaecologists

Jyoti UltraSound Centre, Sunam

Dr. Rajni Rakhra, Radiologist

Veenugopal Clinic, Sunam

Dr. Pragya, Dermatologist

Dr. Atul Gupta, Radiologist

Shri Bala Ji Hospital, Sunam

Dr. Johny Gupta

Onco Path Lab, Patiala

Dr. Aditi Arora, MD Pathologist

Dr. Lal Path Lab, Patiala

Dr. Saloni, Incharge

Star Path Lab, Patiala

Mrs. Kanu Goel, Pathologist

Dr. Dinesh Path Lab, Patiala

Dr. Dinesh Ahluwalia, Pathologist

Ashok Path Lab, Patiala

Dr. Ashok Kumar, Pathologist

ESS ELL Diagnostics

Centre, Patiala

Dr. Mitesh Goyal

Government Dental College, Patiala

Dr. Jagvinder Singh Maan,

Principal

Mr. Inderpreet Singh

Patiala Surgical Centre, Patiala

Dr. Ajmer Singh
Dr. Gurpreet Singh
Dr. Gurpreet Singh

Amar Hospital, Patiala

Dr. Amanjot Singh,
Dr. Jaskarn Singh Sra, DMS
Dr. Gurpreet Kaur Bahia Pathology Dept
Mr. Jagdish, Histo Dept

District Administration, Patiala

Dr. Sanjay Goel, Civil Surgeon

Rajindra Medical Hospital/ Govt. Medical College, Patiala

Dr. Girish Sahni, MS
Dr. Rajan Singla, Principal
Dr. Raja Parmjeet Singh, Head of RT Department
Dr. Harpal Singh, Head of Histo & Cyto Dept.
Dr. Anubha

Manipal Hospital, Patiala

Sanjay Kumar, Director
Dr. Simica Ruli, CMS
Mr. Kulwant Singh

Guru Gobind Singh Medical College & Hospital, Faridkot

Dr. Sanjay Gupta, Principal
Dr. Pardeep Garg, Prof & Head Radiotherapy
Sh. Padampal Maini, Medical Record Officer
Sh. Kewal Singh, Data Entry Operator

Baba Farid University of Health Sciences, Faridkot

Proff. Dr. Rajeev Sood Vice Chancellor

Mohandai Oswal Cancer Hospital, Ludhiana

Dr. Shally, MS
DR Aikaj Jindal
Mr Aditya MRD head

Christian Medical College, Ludhiana

Dr. Pamela Alice Jeyaraj Prof & Head,
Dept. of Radiation Oncology
Dr. William Bhatti Medical Superintendent Dr.
Valsa Abraham Dy. Medical Superintendent
Dr. Preethi AM Paul Histopathology Dept Dr.
Amrith Mathew Haematology
Mr. Stiffan Medical Record Dept

Dayanand Medical College & Hospital, Ludhiana

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

Fortis Hospital, Ludhiana

Dr. Alisha, DMS
Mr Abhishek Oncology MRD head

Sandhu Cancer Hospital, Ludhiana

Dr. Davinder Singh Sandhu, Medical Oncologist

Deep Hospital, Ludhiana

Dr. Amit Kumar Dhiman, Director- Oncology and
Haematology Services

Mediways Hospital Ludhiana

Dr. Satish Jain, Director

Radiance Scan Centre, Malerkotla

Mr. Imran

ESIC Hospital Ludhiana

Dr. Bhairavi Deshmukh, MS
Dr. Meenu Salaria, CMO NFSG

Life Line Hospital, Ludhiana

Dr. Viabh Maheswari

Government Medical College and Hospital, Sector 32, Chandigarh

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

Government Multi Specialty Hospital, Chandigarh

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

Fortis Hospital, SAS Nagar

Dr. Abhijit, Singh, Director
Dr. Rajiv Bedi, Consultant Oncology Dept.
Dr. Minishi Bansal, Medical Oncologist
Dr. Ritu Pankaj, Pathologist
Dr. Irneep, Pathologist
Ms. Ruchi, Lab Assistant
Mr. Deepak Saini, Medical Record Dept. In- charge
Mr. Jatinder Katoch, HOD, MRD

IVY Hospital, SAS Nagar

Mr. Gurtej Singh, Chairman
Dr. Kanwaldeep Kaur, Medical Director Dr. Shivani Punjj, Medical Administrator Dr. Jatin Sarin, Medical Oncologist
Dr. Vijay Bansal, Surgical Oncologist
Dr. Ritu Bisht, Pathologist
Mr. Jatinder Singh, Sr. MRD Executive Mr. Romy Yadav, Medical Record Dept. Executive

Behgal Hospital, Multispecialty & Cancer Centre, SAS Nagar

Dr. S K Behgal, Director
Dr. I.P. Singh, Medical Oncologist Dr. Kanwaljit Kaur, General Surgeon Mrs. Madhu, Medical Record Dept.

Gian Sagar Hospital, Banur

Dr. Krishan Vij Principal, Prof. & Head, Forensic Medicine
Dr. Harbir Kaur, Prof. and Medical Superintendent
Dr. Anil Kumar Suri, Prof.& Head, Pathology Dept.
Dr. Rimpay Sarin, Ass. Prof. Pathology Dept.
Dr. B.P Gupta, Prof. & Head, Community Dept.
Mr. Kulwinder Singh, Lab Technician, Cytology Dept.

Indus Hospital, SAS Nagar

Dr. Sant Parkash, Chairperson

Grecian Hospital, SAS Nagar

Dr. Shiv Preet Singh Samra, Managing Director
Mr. Ranjit KR, CEO
Col. N. K Khana, Senior Administrator

Gian Sagar Hospital, Banur

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

J.P Super-speciality Hospital, Zirakpur

Dr. Sandeep Singla, Managing Director

O.P. Jindal Institute of Medical Science, Hisar

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

Life Line Care Hospital/Aadhar Health Institute, Hisar

Dr. Lovnish Goyal, MBBS MD (Medicine)

Sarvodaya Multi speciality & Cancer Hospital, Hisar

Dr. Amt Chabra

Nalwa Path Lab, Hisar

Dr. JPS Nalwa, Director
Dr. Navtej, Pathologist

Manglam Diagnostics Centre, Hisar

Dr. GR Gupta, Director

Sri Guru Ramdas Institute of Medical Sciences & Research, Amritsar

Dr. AP Singh, Dean
Dr. Geeta Sharma, Principal
Dr. B.C. Srin, Medical Superintendent
Dr. Harjot Singh, Associate Professor

Shah Satnam ji Speciality Hospital, Sirsa

Dr. M. P. Singh, CMO

Pt. Bhagwat Dayal Sharma, PGIMS, Rohtak

Dr. Rakesh Gupta, Director Dr. O.
P. Kalra, Nephrology Dr. V. K. Jain,
Sr. Prof & Head
Dr. R. K. Yadhav, Sr. Prof & Head Radiology
Dr. Vivek Kaushal, Sr. Prof & Head Surgery
Dr. Rajeev Sen, Sr. Prof. & Head Pathology

Rajasthan Medical Centre, Tohana

Dr. Subhash Gupta, MS

Adesh Charitable Cancer Hospital, Muktsar

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

Siri Kishan Memorial Hospital, Patran

Dr. Karan Bhat Nagar

Bhagwan Health Care Centre, Patran

Dr. Aman Sharma
Dr. Pargat Sharma

MC, Sangrur

Shri Ripudipaman Singh, MC Pradhan Shri Ramesh
Kumar, EO

MC, Bhawanigarh

Mr Balwinder Singh Punia, MC

Birth and Death Registrar, Bhawanigarh

Mrs. Meenu Rani, Clerk
Mrs. Kiranjeet Sharma, Clerk

CHC, Bhawanigarh

Dr. Vinod Kumar, SMO
Mr. Gurvinder Singh, BEE
Mr. Kaka Ram, SI

PGI Satellite Centre, Ghadban, Sangrur

Dr Harish Jindal (Assist prof. Community Medicine)
Dr Bharti Sharma, (Gynae)
Dr Sagar N Raut (Assist Prof. Radio Oncology)
Dr Ankush (SR General Surgery)
Dr Shatrishna (Assist. Prof. Pediatrics)

Malerkotla Scan Centre, Bhawanigarh

Dr Anita (MD)

Deepak Hospital

Dr Deepak Singla (MD)

ESS ELL Diagnostic Centre Samana, Patiala

Dr Shashi

Arora Hospital, Samana

Dr Satish Arora

Dr Johri Hospital, Samana

Dr Aman K Johri (MD)

Hazrat Haleema Hospital, Malerkotla
Mr. Zulfkar Ali Malik, Managing Director
Dr. Zamir Ahmed, Head of the hospital

**Advanced Cancer Diagnostic Treatment & Research
Centre, Bathinda**

Dr. Deepak Arora, MS
Dr. Heena Gupta, Assistant Pathologist
Dr. Gunjan Aggarwal, Assist Pathologist
Ms. Bent Kaur Data Entry Operator
Ms. Karamjeet Kaur Data Entry Operator

Max Hospital, Bathinda
Dr. Deepak Patil Medical Superintendent
Sh. Varinder Singh, Sr. Medical Record Technician

**Acharya Tulsi Regional Cancer Treatment &
Research Institute, Bikaner**

Dr. H.S Kumar, Director
Dr. Nitish Sharma H.O.D Radiotherapy
Mr. Pravin Soni, D.O.P
Mr. Pradeep Bhardwaj (L.D.C)

Pragma Hospital, Bathinda
Dr. G S Gill (DM Cordiology)
Dr. Manjit Singh Jaura (Radio Oncologist)

Dhillon Hospital, Bathinda
Dr. Deepinder Singh Dhillon, (MD MS)
Mr. Hardeep Singh

Venus scan centre, Malerkotla
Dr. Narinder Kaur, MD Radiology

Abhishek Hospital, Malerkotla
Dr. Abhishek, Physician Specialist

Star Diagnostic Centre, Malerkotla
Dr. Puneet Kathuria, Psychiatrist

Birring Diagnostic Centre, Malerkotla
Dr. Balpreet Kaur, MD Radiology

Dr. Gurwinder, Malerkotla
Dr. Gurwinder Singh, MD Specialist

Al Hayat Hospital, Malerkotla
Dr. Gunjan Gupta, Surgeon Specialist

Dr. Maninder Gill Hospital, Malerkotla
Dr. Maninder Gill, Physician Specialist

Singla Hospital, Malerkotla
Dr. Sourav Singla, MS Ortho

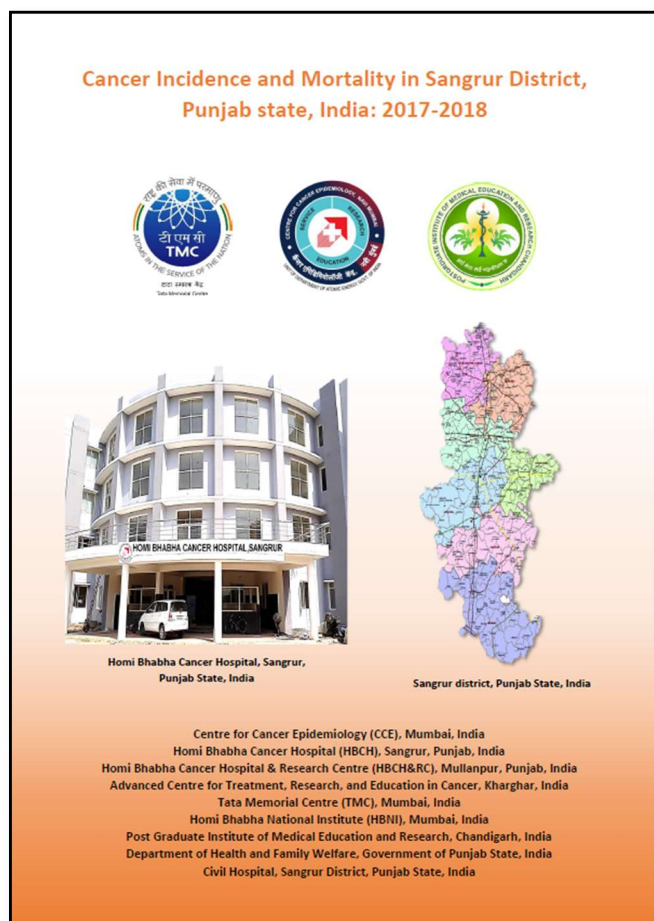
Virdi Hospital, Malerkotla
Dr. Balwinder Singh Virdi, Surgeon

26. Annexure

Release of fourth-year annual report of the Sangrur population-based cancer registry

The fourth annual report of population-based cancer registry of Chandigarh and Punjab State was released on 8th February 2023 in the presence of Prof. (Dr.) Rakesh Kapoor, Director HBCH & RC Punjab, Prof. RA Badwe, Director–CCE TMC Mumbai, Prof. Dr. Atul Budukh Professor–CCE TMC Mumbai along with other dignitaries and dedicated Consultants of the Hospital. The report published on the online portal, Dr. Rakesh Kapoor sir mentioned that cancer registries serve to be an extremely important tool in gauging the enemy i.e., cancer. For planning cancer control activities cancer registries are essentials. There is need for making cancer as a notifiable disease across the country.

Further, Dr Atul Budukh briefed about the magnitude and types of the cancers in the geographical area variations and infrastructure required for managing specific cancers.



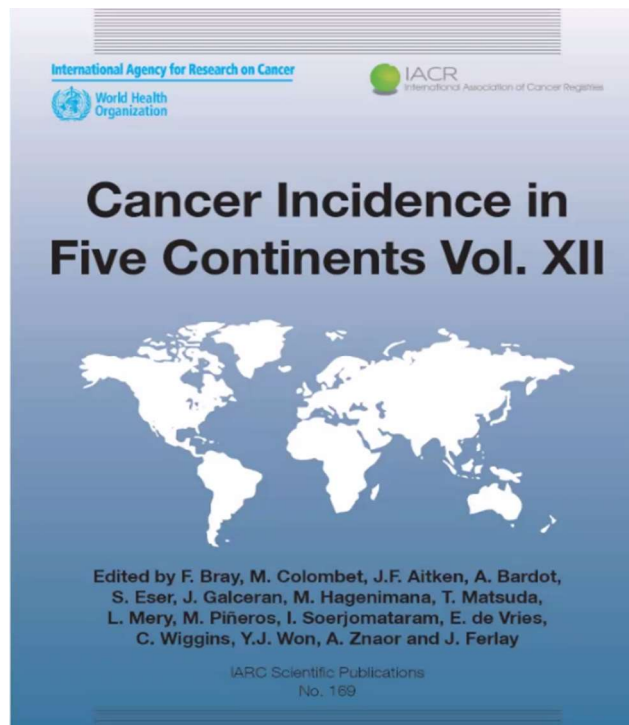
<https://tmcepi.gov.in/Publication.aspx>

ACHIEVEMENT

Sangrur cancer registry data (2015-2017) have been submitted and accepted for **“Cancer Incidence in Five Continents (CI5) Volume XII”** report by International Association of Cancer Registries (IACR).



The screenshot shows the IACR CI5 XII web application interface. At the top, there are logos for the International Agency for Research on Cancer (IARC) and the World Health Organization (WHO). Below these, the text "CI5 XII" and "CANCER INCIDENCE IN FIVE CONTINENTS" are displayed. A navigation bar includes links for "Home", "About", "Chapters", "Tables", and "Downloads". The main content area is titled "Registry Summary tables" and includes a description: "This option presents the population pyramid and the sex- and age-specific and summary incidence tables by population." Below this, there are input fields for "Continent:" (with "Asia" selected), "Country:" (with "India" selected), and "Registry:" (with "Sangrur district" selected).



Bray F, Colombet M, Aitken JF, Bardot A, Eser S, Galceran J, Hagenimana M, Matsuda T, Mery L, Piñeros M, Soerjomataram I, de Vries E, Wiggins C, Won Y-J, Znaor A, Ferlay J, editors (2023). Cancer Incidence in Five Continents, Vol. XII (IARC Cancer Base No. 19) Lyon: International Agency for Research on Cancer.

<https://ci5.iarc.who.int>

TRAINING GIVEN TO OTHER REGISTRIES STAFF

Chandigarh and Punjab cancer registries has conducted following training program for the staff of cancer registries from Uttar Pradesh, Bihar, Punjab and Maharashtra. The details of the training Programme conducted is mentioned in table 15.

Cancer registry training Programme organized by Chandigarh and Sangrur registries

Sr. no.	Registry	Date	Number of participants
1	Population-based cancer registry Varanasi District, Uttar Pradesh, India	6 Jul – 19 Jul 2017	3
2	Population-based cancer registry Varanasi District, Uttar Pradesh, India	23 Jan – 28 Jan 2019	2
3	Population-based cancer registry Muzaffarpur, Bihar, India	23 Jan – 28 Jan 2019	1
4	Bathinda cancer registry (AIIMS, Bathinda)	11 Jan – 12 Jan 2022	2
5	Population-based cancer registry Muzaffarpur, Bihar, India	26 Feb – 6 Mar 2022	3
6	Population-based cancer registry Ratnagiri District, Maharashtra, India	26 Feb – 6 Mar 2022	2
7	Population-based cancer registry Sindhudurg District, Maharashtra, India	26 Feb – 6 Mar 2022	2
8	Bathinda cancer registry (AIIMS, Bathinda)	11 Jan – 12 Jan 2022	2

VISITORS

Doctors from Government Medical College, Jammu to PBCR and visited the village to overview the field activities along with the HBCH&RC Punjab Consultants and Medical officers



WORKSHOPS/ TRAININGS ATTENDED



Cancer Registry Staff Attended the Evidence Based Management (EBM) conference organized at Tata Memorial Centre, Mumbai (24th-26th, February 2023)



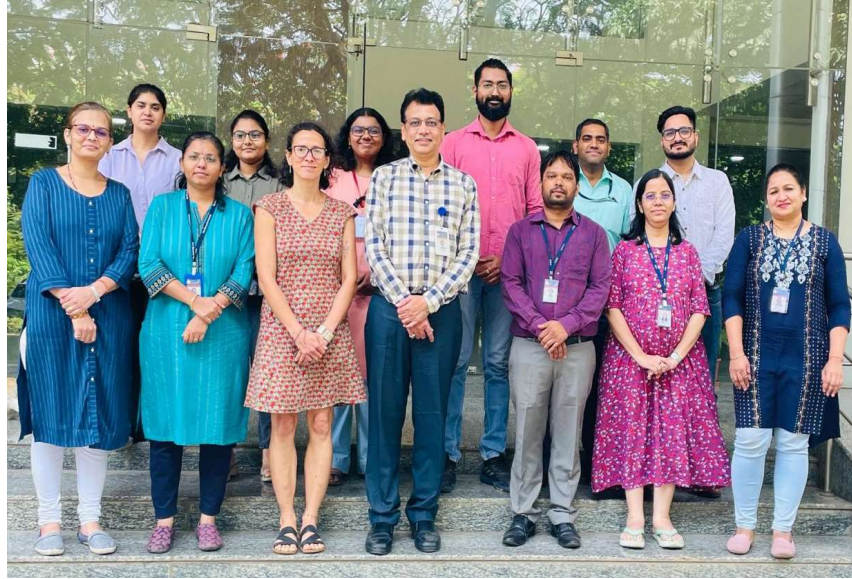
Punjab Cancer Registry Staff Attended the Workshop on “Setting up of Cancer Registry” organized by Tata Memorial Centre, Mumbai (TMC) with the help of State Government of Odisha at Homi Bhabha Hall, NISER, Jatni (9th-14th, October 2023)



Workshop participants with the faculty of NISER, Jatni and TMC, Mumbai along with Dr Susanta Swain (Additional Director NCD cum State Nodal Officer, Cancer Care) and Prof. Hirendra Nath Ghosh (Director, NISER).



Punjab Cancer Registry staff along with other state's cancer registry staff were deputed for "ICD-10 Mortality Coder training" organized at Varanasi from 15th - 21st February 2024.



**Sangrur PBCR Staff Attended the training on
“Understanding and Analysis of Registry Data” at CCE, ACTREC, Navi Mumbai
(21 May to 03 June 2024)**



CME EVENTS ORGANIZED



CME on “Cancer Registry, Medical Certification of Cause of Death and Early Detection Screening & prevention of Common Cancers” (5th July and 6th July 2024) at SGRD, Amritsar organized by HBCH& RC Punjab in collaboration with SGRD Amritsar



CME Event on “Early Detection, Screening, and prevention of Common Cancers”(2nd May 2024) by HBCH& RC Sangrur for medical fraternity and Government medical officers of Sangrur district

REGISTRY STAFF IN THE CANCER REGISTRATION PROCESS AND SOURCE VISITS (HOSPITALS, DIAGNOSTIC CENTRE, DEATH REGISTRAR OFFICE)



PUBLICATIONS

1. Sangrur Population Based Cancer Registry Report: 2017-18 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
2. Mansa Population Based Cancer Registry Report: 2017-18 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
3. Chandigarh Population Based Cancer Registry Report: 2017-18 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
4. SAS Nagar Population Based Cancer Registry Report: 2017-18 – Tata Memorial Centre, Mumbai and Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
5. Budukh Atul M, Chaudhary Debashish, Sancheti Sankalp, Dora Tapas, Kumar Goel Alok, Singla Anshul, Sali Akash, Shinde Shraddha, Singh Chauhan Kuldeep, Kadam Prithviraj, Mohammad Raza, Kapoor Rakesh, Chaturvedi Pankaj, Dikshit Rajesh P, Badwe Rajendra A (2021) Determinants of completion of cancer directed treatment: an experience from a rural cancer centre, Sangrur, Punjab state, India *ecancer* 15 1313.
6. Budukh, Atul, Rajesh Dikshit, J. S. Thakur, Prithviraj Kadam, Tapas Dora, Sankalp Sancheti, Debashish Chaudhary, and R. A. Badwe. "Linkage of cancer registration with cancer treatment in predominantly rural district: a model from Sangrur district, Punjab state, India." *International Journal of Noncommunicable Diseases* 3, no. 2 (2018): 56-59.
7. Bashar MA, Thakur JS, Budukh A. Evaluation of Data Quality of Four New Population Based Cancer Registries (PBCRs) in Chandigarh and Punjab, North India- A Quality Control Study. *Asian Pac J Cancer Prev*: 2021 May 1;22(5) :1421-1433.doi: 10.31557/APJCP.2021.22.5.1421.
8. Gupta M, Sancheti S, Sali AP, Somal PK, Brar RS, Chaudhary D, Kapoor R. Ectopic Prostate Tissue Presenting as Urinary Bladder Tumor: The Imitation Game! *Int J Surg Pathol*. 2021 Jun 14;10668969211025741. doi: 10.1177/10668969211025741. Epub ahead of print. PMID: 34125624.
9. Budukh, Atul, Tapas Dora, Sankalp Sancheti, Vikram Singh, Alok Goel, Sonali Bagal, Amandeep Kaur et al. "Outcome of early detection approach in control of breast, cervical, and oral cancer: Experience from a rural cancer center in India." *International Journal of Cancer* 155, no. 5 (2024): 894-904.
10. Budukh, A.M., Bagal, S., Thakur, J.S. *et al.* Pediatric Cancer Burden in Different Regions of India: Analysis of Published Data From 33 Population-Based Cancer Registries. *Indian Pediatr* **60**, 541–545 (2023). <https://doi.org/10.1007/s13312-023-2931-0>
11. Sancheti, Sankalp, Alok Kumar Goel, Anshul Singla, Kuldeep Singh Chauhan, Kiran Arora, Debashish Chaudhary, Tapas Dora et al. "Deciphering the Patterns of Dual Primary Cases Registered at the Hospital-Based Cancer Registry: First Experience from Rural Cancer Center in North India." *Journal of Laboratory Physicians* 15, no. 04 (2023): 524-532.
12. Chakravarti Priyal, Maheshwari Amita, Tahlan Shweta, Kadam Prithviraj, Bagal Sonali, Gore Suvarna, Panse Nandkumar, Deodhar Kedar, Chaturvedi Pankaj, Dikshit Rajesh, Budukh Atul (2022) Diagnostic accuracy of menstrual blood for human papillomavirus detection in cervical cancer screening: a systematic review *cancer* 16 1427. DOI: <https://doi.org/10.3332/ecancer.2022.1427>

13. Hospital Based Cancer Registry – Annual Report 2018: Homi Bhabha Cancer Hospital, Sangrur, Punjab State, India, Tata Memorial Centre, Mumbai, India
14. Hospital Based Cancer Registry – Annual Report 2019: Homi Bhabha Cancer Hospital, Sangrur, Punjab State, India, Tata Memorial Centre, Mumbai, India
15. Budukh A, Dikshit R, Thakur JS, Kadam P, Dora T, Sancheti S, et al. Linkage of cancer registration with cancer treatment in predominantly rural district: A model form Sangrur district, Punjab state, India. *Int J Non-Common Dis* 2018;3:56-9
16. Thakur JS, Budukh A, Kapoor, R, Malhotra P, Bashir MA, Kathirvel S, Dikshit R, Arora P. Bhatia SPS, Badwe RA, (2017) Urban rural difference in cancer incidence and pattern in Punjab and Chandigarh: findings from four new population-based cancer registries in north India. *Int J Non-Common Dis* 2017;2:49-55



Homi Bhabha Cancer Hospital & Research Centre, New Chandigarh, Punjab



Tata Memorial Centre, Mumbai



Centre for Cancer Epidemiology, ACTREC, Navi Mumbai



Homi Bhabha Cancer Hospital, Sangrur, Punjab