

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



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Executive Summary

BACKGROUND

Tata Memorial Centre (TMC), Mumbai, an autonomous institute under the Department of Atomic Energy Government of India, started Population-Based Cancer Registry (PBCR) in Mansa district on April 1, 2013, in collaboration with the Post-Graduate Institute of Medical Education and Research (PGIMER), Chandigarh and the Ministry of Health, Government of Punjab. The registry is located in the Civil Hospital campus of Mansa. The objective of the cancer registry is to measure the cancer burden in terms of incidence and mortality and to know patterns of cancer in the district. The cancer registry data will be useful in planning cancer control activities and in strengthening the cancer care services in this area.

POPULATION COVERED

The cancer registry covers the three sub-divisions Mansa (Khialan Kalan), Budhlada, and Sardulgarh covering a population of 8,20,692. The registry covers the urban and rural areas of the district (246 villages of the three subdivisions). More than 75% of the population of the district is rural.

REGISTRATION METHOD

Trained field and social workers from the registry regularly visit villages, hospitals, pathology labs, medical colleges, cancer control centers, and the birth and death registrar's office to gather data on cancer incidence and mortality. The registry staff collaborates with local leaders, such as village Sarpanch, Auxiliary Nurse Midwives (ANMs), ASHA workers, and primary health center personnel to identify newly diagnosed cancer cases and report any cancer-related deaths in the community. With the assistance of ASHA workers, registry staff engage with patients' relatives to gather relevant information, which is subsequently verified with the patients' treating hospitals. After confirming the patient's residency in the district for at least one year and conducting duplicate checks by senior staff, the case is registered according to established protocols. Data entry is performed using CanReg5 software. Due to the ongoing community engagement, the registry also tracks the survival status of cancer patients, achieving over 95% coverage as of December 31, 2021. This data will contribute to cancer survival analyses.

A comprehensive cancer treatment facility is not available in the Mansa district. Patients from this area travel to Bhatinda, Ludhiana, Bikaner, Chandigarh, Patiala, Hisar, and Faridkot for cancer care. The nearest center is 60 km and the farthest center is 350 km. Tata Memorial Centre established the Homi Bhabha Cancer Hospital in Sangrur district, which is 60 km from Mansa and has been functioning since January 2015.

RESULTS

This report is based on the cancer registry results for the years 2019 and 2020. In the year 2019 and 2020, the cancer registry registered 1240 new cancer cases including 585 (47.1%) male cancer cases and 655 (52.8%) female cancer cases. The age-adjusted incidence rate for males is 62.3 per 100,000 population and for females, 75.5 per 100,000 population. **The cumulative risk for the age group 0-74 in males is 7.4% (1 in 13 men is at risk of developing cancer in Mansa district). For females, the cumulative risk for the age group 0-74 is 8.3% (1 in 12 females is at risk of developing cancer in Mansa district).**

In the year 2019-2020, the cancer registry registered 917 cancer deaths including 484 (52.7%) deaths in males and 433 (47.2%) deaths in females. The age-adjusted mortality rate for males is 50.9 per 100,000 population and for females, it is 49.0 per 100,000 population. **The cumulative risk of death due to cancer in the age group 0-74 in males is 6.2% and for females, it is 5.8% (1 in 16 males and 1 in 17 females is at risk of death due to cancer in Mansa district).**

Due to improvements in the cancer registration process, the registry has reported 44 (Male: 16, Female: 28) late registration incidence cases of the year 2017-2018. After including the late registration cases, the age-adjusted incidence rate is 61.0 for males and 71.7 per 100,000 for females. In mortality, we have recorded 10 (Male: 7, Female: 3) late-registration mortality cases for the year 2017-2018. After including the late registration cases, the age-adjusted mortality rate for males is 44.3 and for females, it is 46.8 per 100,000 population.

The cancer incidence statistics in Mansa 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

The leading cancer sites in males are the liver, esophagus, brain/ nervous system, prostate, and mouth in that order. The leading cancer sites in females are the breast, cervix uteri, esophagus, ovary and liver. The leading cancer sites are mentioned in Tables I and II.

Table I: Leading cancer sites in males: 2019-2020

ICD 10	Site	Total	%	CR	AAR	TR
C22	Liver	70	12.0	8.0	7.6	14.8
C15	Esophagus	68	11.6	7.8	6.9	10.5
C70-C72	Brain, Nervous System	33	5.6	3.8	4.2	6.9
C03-C06	Mouth	32	5.5	3.7	3.5	7.3
C61	Prostate	32	5.5	3.7	3.0	2.2

CR: Crude incidence rate per 100,000, AAR: Age-adjusted incidence rate per 100,000, TR: Truncated incidence rate per 100,000 for 35-64 age group

Table II: Leading cancer sites in females: 2019-2020

ICD 10	Site	Total	%	CR	AAR	TR
C50	Breast	149	22.7	19.5	17.3	42.3
C53	Cervix uteri	75	11.5	9.8	8.4	17.3
C15	Esophagus	69	10.5	9.0	7.7	14.8
C56	Ovary	46	7.0	6.0	5.3	12.9
C22	Liver	40	6.1	5.2	4.7	8.1

CR: Crude incidence rate per 100,000, AAR: Age-adjusted incidence rate per 100,000, TR: Truncated incidence rate per 100,000 for 35-64 age group

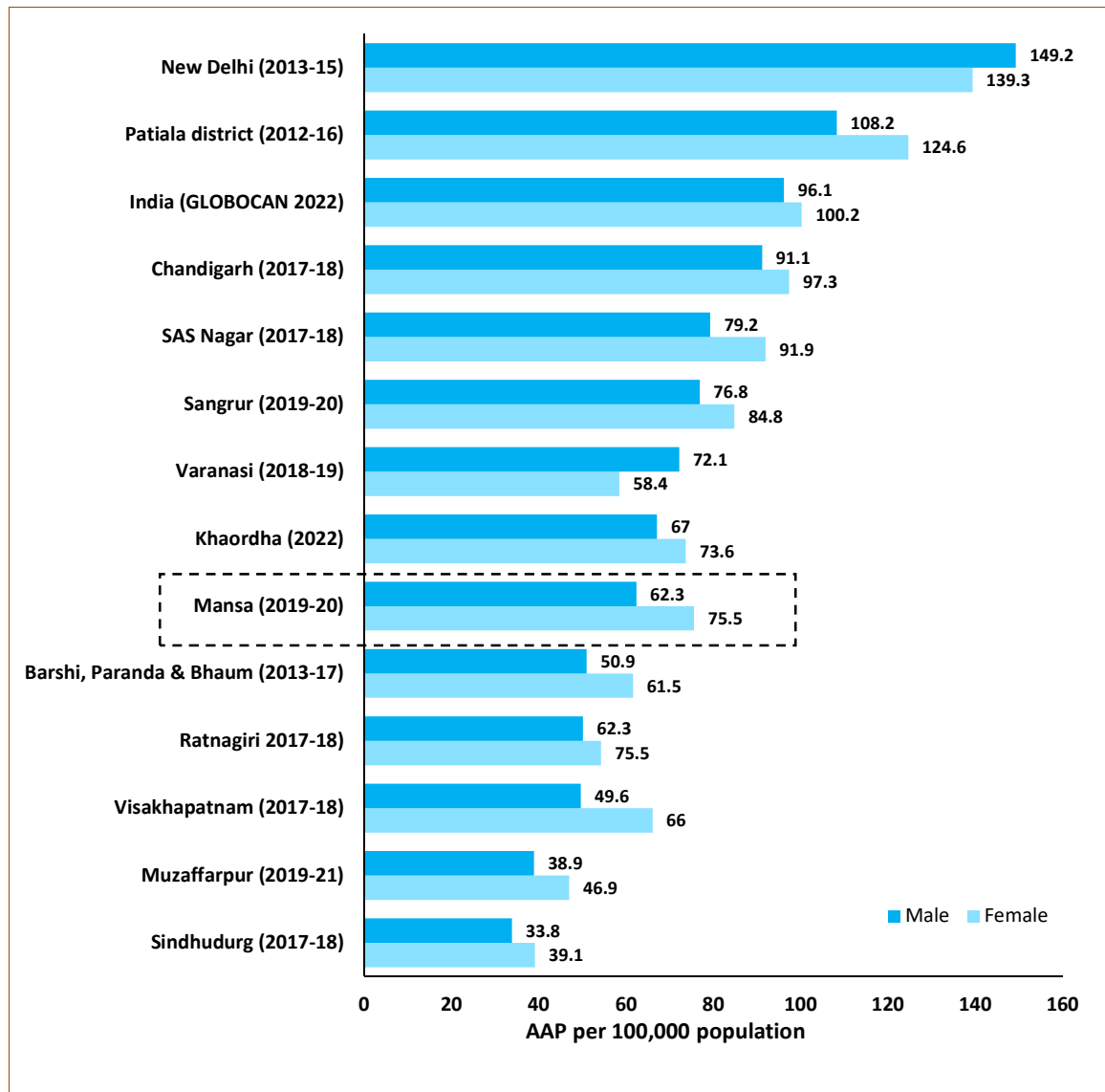
PRIMARY UNKNOWN CASES

In the year 2019-2020, we registered 7.7 % of primary unknown cases in males and 5.8% of primary unknown cases in females. The primary site unknown cases are related to the quality of diagnostic information as well as poor documentation of the medical records.

COMPARISON OF CANCER REGISTRY RATES WITH OTHER REGISTRIES IN INDIA

Compared to other parts of India, cancer incidence rates are lower and are in comparison with other parts of rural India. ⁽¹⁻⁶⁾

Figure I: All site cancer incidence rate



CANCER CONTROL ACTIVITIES IN MANSA DISTRICT

The Mansa cancer registry data estimated that the risk of developing cancer is 7.4% in males and 8.3% in females. The major cancer sites in the Mansa district are breast, cervix uteri, esophagus, liver, and prostate. Most of these cancers are preventable. Based on the observation of the cancer registry, Tata Memorial Centre has started a satellite center in Sangrur and a comprehensive cancer center in Mullanpur. Cancer awareness programs need to be implemented particularly for the early detection of breast and cervical cancer. Tata Memorial Centre, Mumbai regularly organizes workshops/CME for the medical faculties of Mansa and Sangrur districts. The population-based cancer registry in Mansa will be used to monitor cancer trends and to evaluate the effects of prevention and treatment in the future.

Mansa PBCR is actively updating the survival status of cancer patients. The registry has undertaken survival studies of breast, cervix uteri, prostate, and Esophagus cancer cases registered during the period 2013 -2018. The survival report will be available in due course of time.

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 is 27,743,338 (Census, 2011)⁷. The capital of Punjab is Chandigarh, which is administered separately as a Union Territory since it is also the capital of the neighboring state of Haryana.

As per the Census 2011⁷, Punjab has a total population of 27,743,338 of which 14,639,465 (52.76%) are males and 13,103,873 (47.2%) 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, making it the 15th most populated state in India.

The state is spread over an area of about 50,362 sq. km. making it the 19th largest state in the country in terms of area. The state has a growth rate of approximately 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 approximately 76.7%, a figure that has improved tremendously in the last few years due to consistent efforts by the government. The sex ratio of Punjab significantly lags behind the national average. The Punjab state profile is presented in Table 1⁸.

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

Sr. No.	Items	Unit	Number
1.	Area		50,362
	(i) Rural Area	Sq. Km	48,265
	(ii) Urban Area		2097
2.	(Population 2011) Total Population	Lakh	277.04
	Rural Population		173.2
3.	District	Number	22
4.	Tehsils	Number	81
5.	% of Rural to Total Population	%	62.51
6.	% of Urban to Total Population	%	37.49
7.	Density	Per Sq. Km	550
8.	Female per 1000 Male	Number	893
9.	Literacy	%	76.7

2. Mansa District Profile

Mansa district was formed on April 13, 1992, from the erstwhile district of Bhatinda. Mansa is a small district both in terms of population and area. It is situated on the rail line between the Bhatinda-Jind-Delhi sections and is also situated on the Barnala-Sardulgarh-Sirsa Road rail line. Mansa district is situated in the cotton belt of Punjab and is therefore fondly called the "area of white gold".

The district is spread over 2,198 sq. km, having a total population of 818216 based on the estimation to the 2011 census^{7,8}. In Mansa district, River Ghaggar flows through a distance of 15 Km and Sirhind Drain passes through the entire district and has its out-fall in river Ghaggar. Mansa district is a part of the Bhatinda Parliamentary Constituency. The district has three subdivisions/tehsils and five blocks^{8,10}. The Mansa district subdivision and the number of villages are presented in Table 2.

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



Table 2: Subdivision/Tehsil under Mansa District

Tehsil	Number of villages	Block
Budhlada	89	1. Budhlada
Khiala Kalan	84	1. Mansa 2. Bhikhi
Sardulgarh	73	1. Sardulgarh 2. Jhunir
Total	246	

Health infrastructure of Mansa district

Mansa district has one district hospital and two sub-district hospitals with basic diagnostic and surgical facilities. The district has 2 rural hospitals, 3 blocks of primary health centers, 12 primary health centers, and more than 103 sub-centers. Primary health care is taken by these hospitals. The Mansa district hospital provides supportive services to cancer cases. Detailed information about the hospital and PHC is presented in table 3.

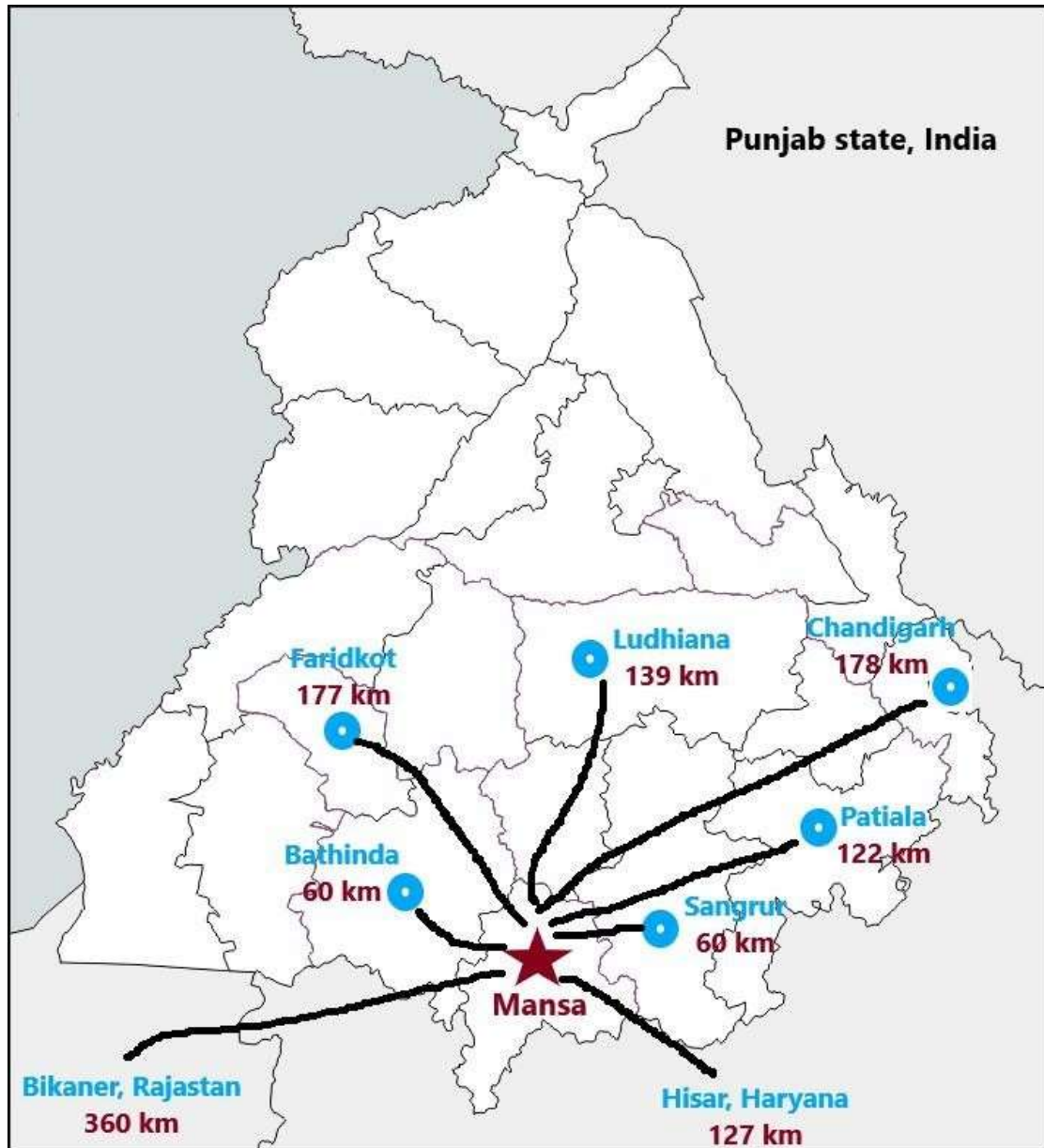
Table 3: Number of government hospitals /health center in Mansa district

Sr. No.	Institute	Number
1.	District Hospital (DH)	1
2.	Sub District Hospital (SDH)	2
3.	Community Health Centre (Punjab Health System Corporation) (PHSC)	4
4.	Block Primary Health Centre (PHC)	3
5.	Primary Health Centre (MPHC) (Multiple Primary Health Centre)	12
6.	Rural Hospital (RH)	2
7.	Subsidiary Health Centre (SHC)	37
8.	Sub-center (SC)	103
Total		164

The cancer treatment facility is not available in the district. For cancer treatment, patients from these areas go to Bhatinda, Faridkot, Ludhiana, Chandigarh, Hisar, New Delhi and Bikaner-a state of Rajasthan. The nearest center is Sangrur and Bhatinda (60 km) and the farthest center Bikaner (360 km). The distance from Mansa 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. Since its inception, 11,000 cancer patients have been treated. The hospital is listed in the Government sponsor scheme “Mukhmantri Punjab Cancer Rahat Kosh Scheme”¹⁰ and “Ayushman Bharat Sarbat Sehat Bima Yojana” for cancer treatment.

Figure 2: Distance from Mansa to the cancer treatment center



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 hospitals in the state, which are empaneled under the Mukhmantri Punjab Cancer Rahat Kosh Scheme, to provide the data of all 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 receives good co-operation from all the government hospitals and the private empaneled 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

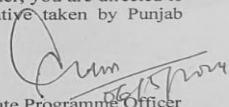
1. Civil Surgeons
Mohali, Sangrur, Mansa and Malerkotla.
2. All empanelled Hospitals.
Under Mukh Mantri Punjab Cancer Kosh Scheme.

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, Malerkotla 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 the cancer registry

Mansa district is divided into three sub-divisions – Mansa, Budhlada, and Sardulgarh and these divisions are further divided into five blocks (Mansa (Mansa and Bhiki), Budhlada, Sardulgarh (Sardulgarh and Jhunir)^{8,10}. As per the 2011 census, the total population of Mansa district is 820692. Of the total population 643989 (79%) is rural and 174227 (21%) is urban⁷. Of the total population, males are 53.3% and females are 46.7%. The population as per the 2011 census is mentioned in Table 4.

Table 4: Mansa district Population as per Census 2011

Area	No. of Households	Total	Male	Female
Rural	117232	648347 (79%)	345642	302705
Urban	32398	172345 (21%)	91879	80466
Total	149630	820692	437521(53.3%)	383171(46.7%)

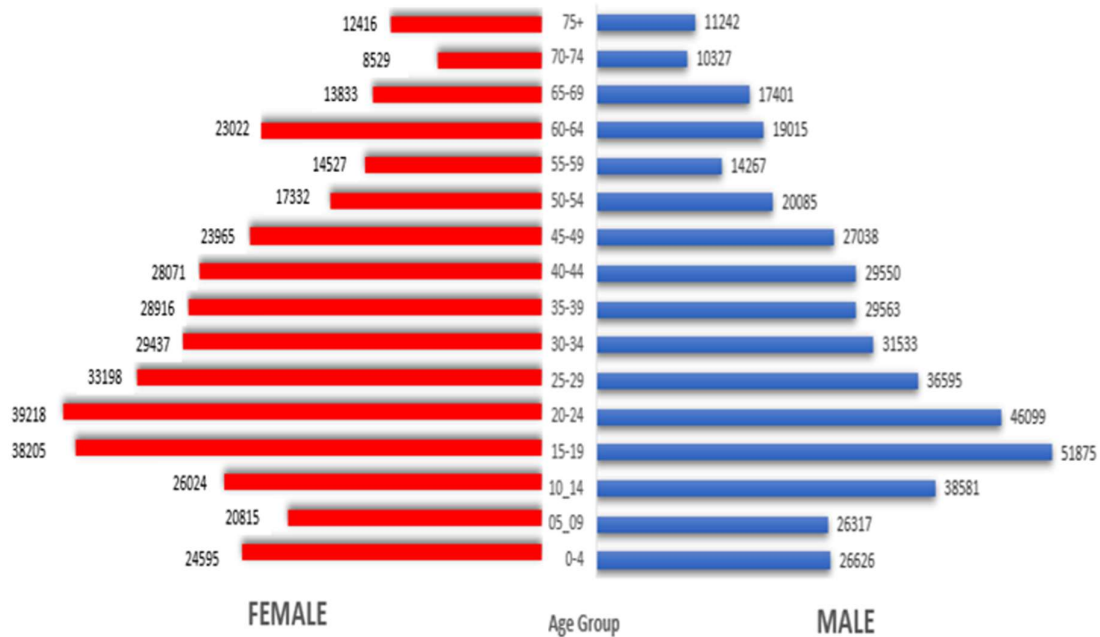
Estimated Population of Mansa district in 2019-2020

The registry population for 2019 and 2020 was estimated by the exponential growth rate method for the 2001 to 2011 census population. As a result, in 2019-2020 the male's population is 4,37,521 (53.3%) and females are 3,83,171 (46.7%). More than 75% of the population is rural. The average estimated population for 2019-2020 is presented in table 5. The population pyramid of the Mansa district is shown in Figure 3.

Table 5: Estimated population of Mansa district: 2019-2020

Age group	Male		Female		Total	
	Number	%	Number	%	Number	%
0-4	26626	6.1	24595	6.3	51220	6.3
5-9	26317	6.0	20815	5.8	47132	5.8
10-14	38581	8.8	26024	7.9	64604	7.9
15-19	51875	11.9	38205	23.6	90081	11.0
20-24	46099	10.6	39218	10.4	85317	10.4
25-29	36595	8.4	33198	18.3	69794	8.5
30-34	31533	7.2	29437	7.5	60971	7.5
35-39	29563	6.8	28916	7.1	58478	7.1
40-44	29550	6.8	28071	7.0	57621	7.0
45-49	27038	6.2	23965	6.2	51003	6.2
50-54	20085	4.6	17332	4.6	37417	4.6
55-59	14267	3.3	14527	3.5	28794	3.5
60-64	19015	4.4	23022	5.1	42037	5.1
65-69	17401	4.0	13833	3.8	31234	3.8
70-74	10327	2.4	8529	2.3	18856	2.3
75+	11242	2.6	12416	2.9	23658	2.9
Total	436112	100	382104	100	818216	100

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



5. Cancer Registration Method

CANCER INCIDENCE CASES

Trained social workers and field investigators of the registry visit the allotted villages periodically (in a period of 6 to 8 months) to identify the cancer cases diagnosed in the area as well as cancer deaths noted in the village administrative office. Field staff interacts with the village sarpanch, ANMs, Anganwadi workers, ASHA workers, and a medical officer of the primary health center and collects information on cancer cases diagnosed in the villages and also about cancer deaths that have occurred in the villages. The social worker takes detailed information about the cancer case and visits the patient's house along with the ASHA workers. The field staff interacts with the patient or patient's relatives and asks the following questions:

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

The social worker notes down the information available to the patient. As per the information provided by the patient/patient's relatives, 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.

CANCER DEATH CASES

During the village visit, the field/ social worker inquiries about cancer deaths. The social worker also 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. The information provided by the relatives is matched with the medical records available in the cancer registry and the cancer death is registered. During the field visit, field staff may come across the cases diagnosed before 2017. In this situation, the field staff takes detailed information about the cancer case 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 after matching with the registry record, the cancer death is registered.

CANCER PREVALENCE CASES

During the field visit, field staff comes across the cases diagnosed before 2015. 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 after matching with the registry record the cancer death is registered.

DATA CHECKING

All the cases collected by the field staff from the villages as well as from the hospitals are scrutinized by a senior staff member. After residence confirmation (residence of the area for at least one year) the cancer case information is documented in the prescribed format. The primary site and histology are coded based on ICD-O3¹¹.

DATA ENTRY

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

CANCER CASE DATA COLLECTION FROM HOSPITALS AND NURSING CENTERS

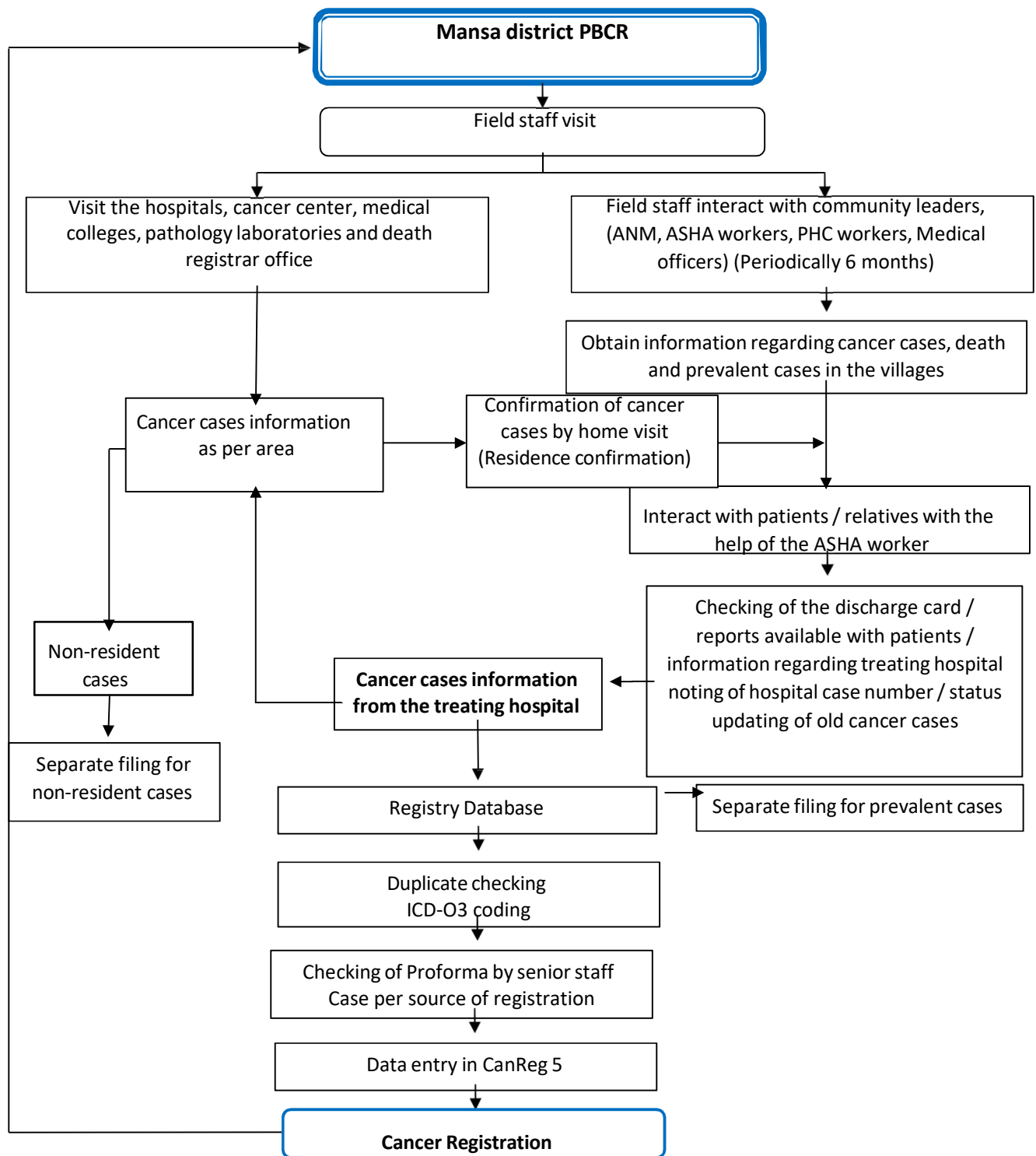
The registry staff regularly visits the following centers to collect information on the cancer cases and death cases in the Mansa district. The Chandigarh and SAS Nagar PBCR staff appointed by TMC regularly visit all the hospitals in of Chandigarh and the SAS Nagar area to collect cancer case data. They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

Table 6: Different sources of data collection:

Sr. No.	Institution name	Place
1	Cancer Control Cell	Mansa
2	Sub District Hospital Sardulgarh	Mansa
3	Community Health Centre Jhunir	Mansa
4	Community Health Centre Bhikhi	Mansa
5	Community Health Centre Khiala Kalan	Mansa
6	Community Health Centre Budhlada	Mansa
7	Community Health Centre Bareta	Mansa
8	Raikhya Nursing Home	Mansa
9	Janak Raj Nursing Home	Mansa
10	Jindal Diagnostic Center	Mansa
11	Brar Nursing Home	Mansa
12	Sran Hospital	Mansa
13	Akashdeep Nursing Home	Mansa
14	Dr. Amritpal Nursing Home	Mansa
15	Medilife Cancer Research Center	Mansa
16	Chandigarh Path Lab	Mansa
17	Satyam Diagnosis Center	Mansa
18	Mansa (Birth & Death register)	Mansa
19	Sardulgarh (Birth & Death register)	Mansa
20	Budhlada (Birth & Death register)	Mansa
21	Homi Bhabha Cancer Hospital	Sangrur
22	Advanced Cancer Institute	Bathinda
23	Cancer Control Cell	Bathinda
24	Bansal Cancer Hospital	Bathinda
25	Dhillon Hospital	Bathinda
26	Max Hospital	Bathinda
27	Punjab Cancer Care	Bathinda
28	Dr. Monika Path Lab	Bathinda
29	Dr. Deepali Path Lab and Cancer diagnostic center	Bathinda
30	Sheena Path Lab	Bathinda
31	Mittal Path Lab	Bathinda
32	Bhatinda (Birth & Death register)	Bathinda
33	Pregma Hospital	Bathinda

Sr. No.	Institution name	Place
34	Post Graduate Institute of Medical Education and Research/PBCR Chandigarh	Chandigarh
35	Govt. Multi-specialty hospital sector 32	Chandigarh
36	Rajindra Medical Hospital	Patiala
37	Amar Hospital	Patiala
38	Dr. Lal Path Lab	Patiala
39	Mohandai Oswal Cancer Hospital	Ludhiana
40	Dayanand Medical College & Hospital	Ludhiana
41	Christian Medical College & Hospital	Ludhiana
42	Max Super specialty	SAS Nagar
43	Fortis Hospital	SAS Nagar
44	Guru Gobind Singh Medical College & Hospital	Faridkot
45	Acharya Tulsi das Regional Cancer Center Research & Hospital	Bikaner

Figure 4: Cancer registration method



6. Community involvement in the cancer registration process

Cancer patients from this area travel 60 km to 360 km for cancer treatment. It was practically difficult for the registry staff to visit these centers regularly. The Punjab Government conducted a door-to-door campaign and household survey to know the prevalence of cancer in each district of the state¹³. Due to these programs, the community leaders are aware of the importance of the disease and cancer registration process. The primary health center staff such as ANM and the supportive staff, Anganwadi workers, and ASHA workers keep the information on the cancer incidence and death cases 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 2019-2020, the registry has interacted with 2263 community representatives from the entire district.

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

Table 7: Community leaders/primary health center staff involved in the cancer registration process

Block Name	Villages	Sarpanch/ Municipal Corporators (MC)	Senior Medical Officer	Medical Officer (MO)	Block Extension Educator	Auxiliary Nurse Midwife (ANM)	Accredited Social Health Activists Workers	Anganwadi Workers	Multi-Purpose Health Worker	Community Health Officer	Total
Budhlada	84	126	2	5	1	47	216	216	34	11	839
Khiala Kalan	73	111	1	16	1	45	242	256	36	18	808
Sardulgarh	89	90	1	4	1	32	193	201	30	32	616
Total	246	327	4	25	3	124	651	743	100	61	2263

7. Quality control

MORTALITY TO INCIDENCE RATIO

The mortality to incidence or M/I ratio is an indicator of the completeness and accuracy of cancer registry data. In the year 2019-2020, 1240 incidence cases (585 males and 655 females) have been registered. For the same period, 917 cancer deaths have been registered (484 males and 433 females). The overall M/I ratio is 0.73 (73.9%). The ratio for males is 0.82 (82.7%) and 0.66 (66.1%) for females. The reported M/I ratio is comparable with the other rural cancer registries in the country ¹⁻⁶.

INTERACTION WITH PATHOLOGISTS/CLINICIANS

A quality control exercise was carried out for the improvement of the records. After cancer cases registration, field workers discussed any difficulties regarding data abstraction or ICD coding with the clinician/ pathologist of HBCH, Sangrur. TMC team also visited the registry for quality control. During the quality control exercise, a need to retrain the staff in case abstraction with primary site unknown, metastatic cases, and lymphoma-leukemia cases was observed and staff members were retrained at TMC, Mumbai. The data were modified and re-entered.

INCIDENCE RATES OF CHILDHOOD CANCERS

In the year 2019-2020, we registered 15 cancer cases in boys and 14 in girls. The age-specific rates reported for pediatric cancer are mentioned in Table 8.

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

Age group	Boys		Girls	
	Number of cases	Age-Specific Rate	Number of cases	Age-Specific Rate
0-4	6	112.7	4	81.3
5-9	8	152.0	5	120.1
10-14	1	13.0	5	96.1
AAR per 1,000,000 population (AAR per million)	96.4		98.1	

The age-adjusted incidence rate for the pediatric age group (0-14 years) was 96.4 per million in boys and 98.1 per million in girls. As per the International Incidence of Childhood Cancer volume III, the incidence rate of girls is less than 60 per million. The registry data indicates a low incidence rate which can be due to under reporting ¹⁴.

The microscopic confirmation was 79.4 % in children between (0-19 years) i.e. 82.6% in boys and 75% in girls.

Microscopic verification of the cases

In the year 2019-2020, out of 585 male cases, 382 (65.3%) were diagnosed with microscopic verification. 11.6% of cases were diagnosed on a clinical base while 10.4% of cases were diagnosed based on radiological findings. In females, out of 655 cases, 457 cases (69.8%) were diagnosed with microscopic verification. 12.7% of cases were diagnosed on a clinical base while 7.9% of cases were diagnosed based on radiological findings. There may be under-registration of the clinically diagnosed cases. Out of total other and unspecified cancer cases around 33.3 % of cases were diagnosed on a microscopic basis in males while 42.1% in females (e.g. lymph node, primary site unknown cases).

Death certificate only (DCO cases)

We have registered 70 (12%) male cases and 61 (9.3%) female cases under the DCO. The death cases also have been registered based on narration, relative remarks, and/or discharge summary available with the patient's relative. In principle, they are not registered based on the death certificate only because the death certificate does not have the documentation as a cancer death.

As per source case of registration

We have seen cases per source of registration. The cases were counted as per source notification. In Mansa, the per source cases of registration is 2.9. The coverage of sources is very good.

Source	Number of cases confirm
Source 1	1240
Source 2	1235
Source 3	735
Source 4	265
Source 5	70
Source 6	14
Total sources	3,573
Per source of registration	2.9 3573/1240

8. Cancer cases registered by source of registration – First source of information

The first source of information about the cancer case diagnosed/ cancer death is from the village visit resulted due to interaction with the community. After documentation, these cases were further confirmed from hospital records. In more than 39% of cases the first source of information is from the HBCH Sangrur. The cancer incidence and death cases registered by the source of registration are mentioned in Table 9 and 10.

Table 9: Cancer cases information from the first source of cancer registration: 2019-2020

Sr. No.	Source of registration	Male	%	Female	%	Total	%
1	Homi Bhabha Cancer Hospital, Sangrur	205	35.0	275	42.0	480	38.7
2	Home Visit	111	19.0	117	17.9	228	18.4
3	Guru Gobind Singh Medical College & Hospital, FARIDKOT	61	10.4	75	11.5	136	11.0
4	Advanced Cancer Care, Bathinda	62	10.6	67	10.2	129	10.4
5	Birth and Death, Mansa	58	9.9	42	6.4	100	8.1
6	Post Graduate Institute of Medical Education and Research (PGIMER), CHANDIGARH	35	6.0	20	3.1	55	4.4
7	Punjab Cancer Care, Bhatinda	7	1.2	8	1.2	15	1.2
8	Max Hospital, BATHINDA	5	0.9	9	1.4	14	1.1
9	Cancer Cell (MMPCRKS), Mansa	8	1.4	7	1.1	15	1.2
10	Acharya Tulsi Regional Cancer Research & Hospital, BIKANER	5	0.9	6	0.9	11	0.9
11	Dayanand Medical College & Hospital, LUDHIANA	5	0.9	5	0.8	10	0.8
12	RAIKHY NURSING HOME, MANSA	1	0.2	6	0.9	7	0.6
13	Rajindra Hospital, PATIALA	4	0.7	2	0.3	6	0.5
14	Birth and Death, Budhlada	3	0.5	3	0.5	6	0.5
15	Government Medical College and Hospital, CHANDIGARH	2	0.3	2	0.3	4	0.3
16	Birth and Death, Sardulgarh	1	0.2	2	0.3	3	0.2
17	BIRTH AND DEATH, BOHA	2	0.3	1	0.2	3	0.2
18	BIRTH AND DEATH, BARETA	2	0.3	1	0.2	3	0.2
19	Fortis Hospital, MOHALI	1	0.2	1	0.2	2	0.2
20	Other	7	1.2	6	0.92	13	1.05
Total		585	100.0	655	100.0	1240	100.0

Table 10: Cancer death information by the first source of cancer registration: 2019-2020

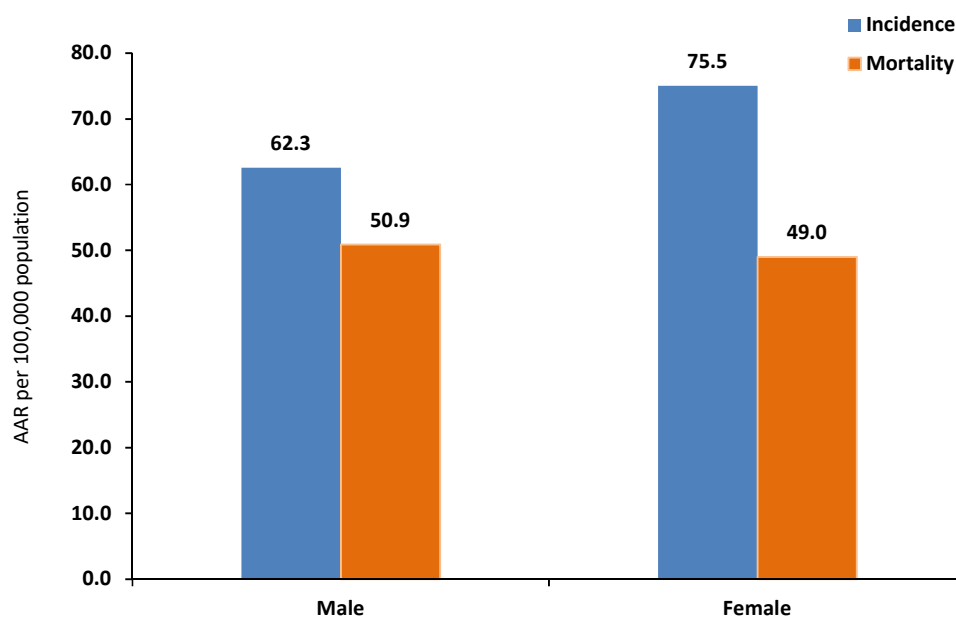
Sr. No.	Source of registration	Male		Female		Total	
		Number	%	Number	%	Number	%
1	Home Visit	89	61.4	76	62.8	165	62.0
2	Birth and Death, Mansa	46	31.7	34	28.1	80	30.1
3	Birth and Death, Budhlada	3	2.1	3	2.5	6	2.3
4	Birth and Death, Sardulgarh	1	0.7	3	2.5	4	1.5
5	Birth and Death, Breata	1	0.7	1	0.8	2	0.8
6	Birth and Death, Bhoha	1	0.7	1	0.8	2	0.8
7	PHC, Jhunir	0	0.0	1	0.8	1	0.4
8	Guru Gobind Singh Medical College & Hospital, FARIDKOT	2	1.4	0	0.0	2	0.8
9	Post Graduate Institute of Medical Education and Research (PGIMER), CHANDIGARH	0	0.0	1	0.8	1	0.4
10	Homi bhabha Cancer Hospital, Sangrur	0	0.0	1	0.8	1	0.4
11	Birth and Death, Bhikhi	1	0.7	0	0.0	1	0.4
12	Post Graduate Institute of Medical Education and Research (PGIMER), SANGRUR	1	0.7	0	0.0	1	0.4
Total		145	100	121	100	266	100

9. Cancer incidence and mortality – All sites

In the year 2019-2020, the cancer registry registered 1240 cancer cases. In males, there were 585 (47.1%) cases and in females, 655 (52.8%) cases. The age-adjusted incidence rate is 62.3 per 100,000 population for males and 75.5 per 100,000 population for females.

In the year 2019-2020, the cancer registry registered 917 cancer deaths. In males, there were 484 (52.7%) deaths and in females, 433 (47.2%) deaths. The age-adjusted mortality rate for is 50.9 per 100,000 population for males and 49 per 100,000 population for females. 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, liver, Esophagus, brain and nervous system, mouth, prostate, lung, tongue, Penis, larynx, Gall Bladder are the leading cancer sites. In females; breast, cervix uteri, Esophagus, ovary, liver, gall bladder, pancreas, brain and nervous system, lung cancer and Thyroid are the leading cancer sites. The top ten 10 leading cancer sites in males and females are presented in Figures 6 and 7 respectively.

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

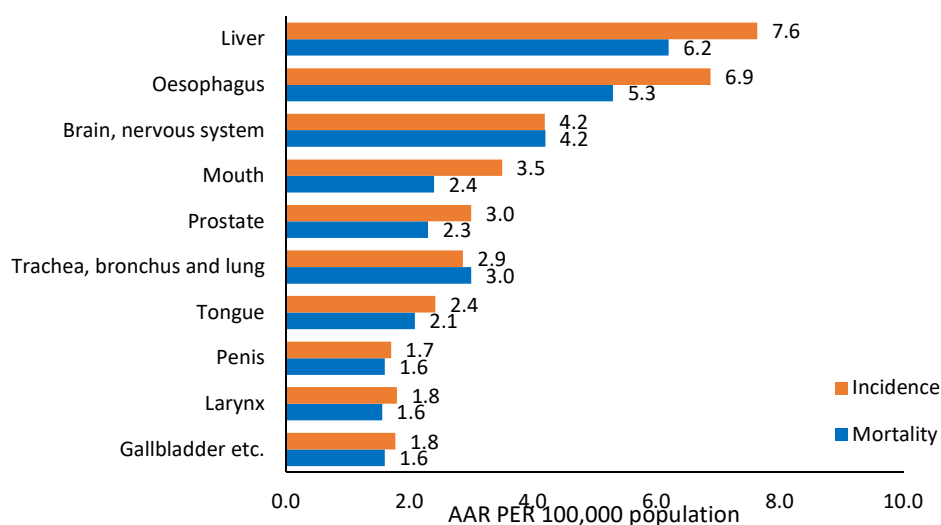
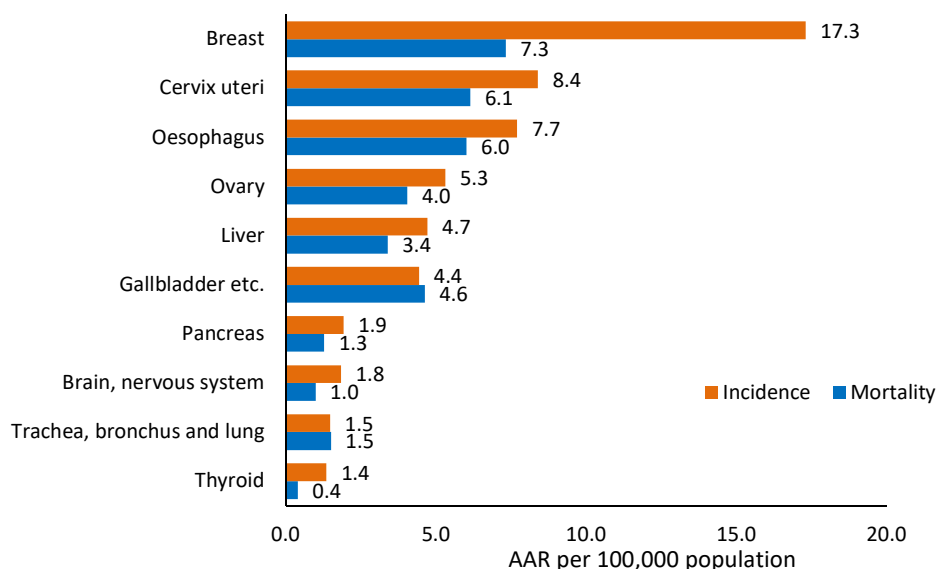


Figure 7: Leading cancer sites in females: 2019-2020



Comparison of Mansa'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	70	40
Percentage (%)	12	6.1
Crude incidence rate (CR)	8.0	5.2
Age-adjusted rate (AAR)	7.6	4.7
Truncated rate (TR)	14.8	8.1

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

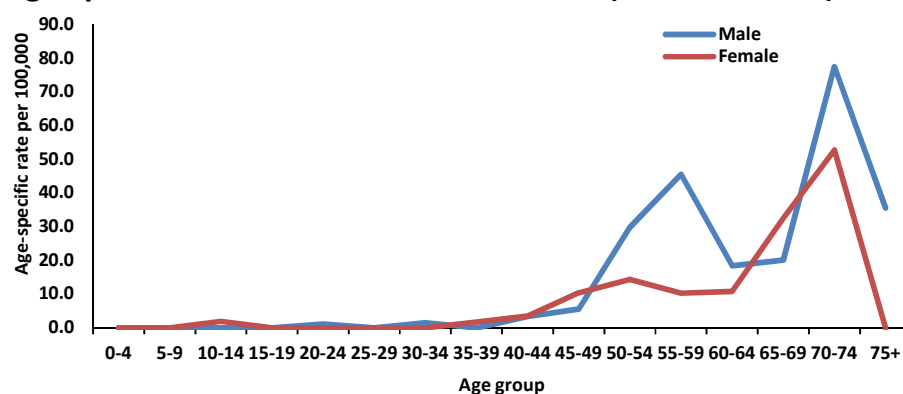
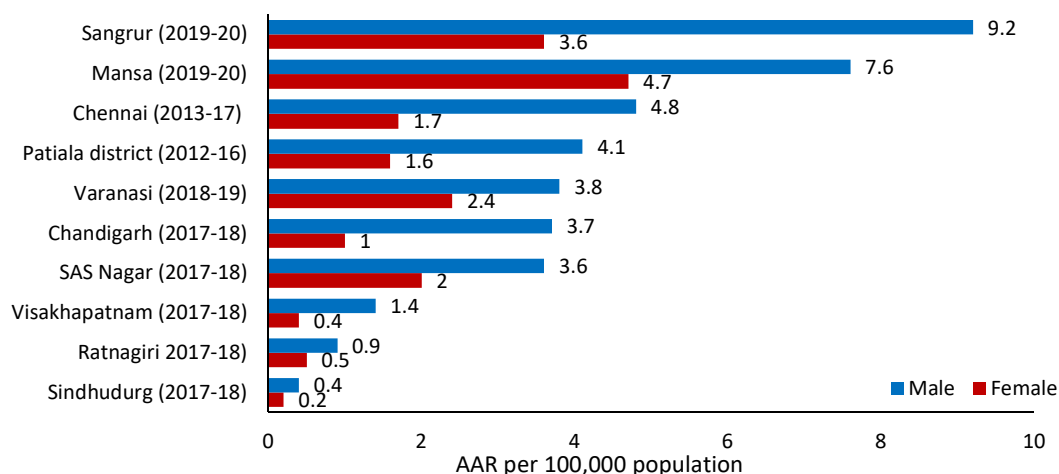


Figure 9: Comparison of liver cancer incidence rate with other Indian registries



CANCER OF THE ESOPHAGUS (C15)

	Male	Female
Number of cases	68	69
Percentage (%)	11.6	10.5
Crude incidence rate (CR)	7.8	9.0
Age-adjusted rate (AAR)	6.9	7.7
Truncated rate (TR)	10.5	14.8

Figure 10: Age-specific incidence rate of Esophagus cancer (Mansa district): 2019-2020

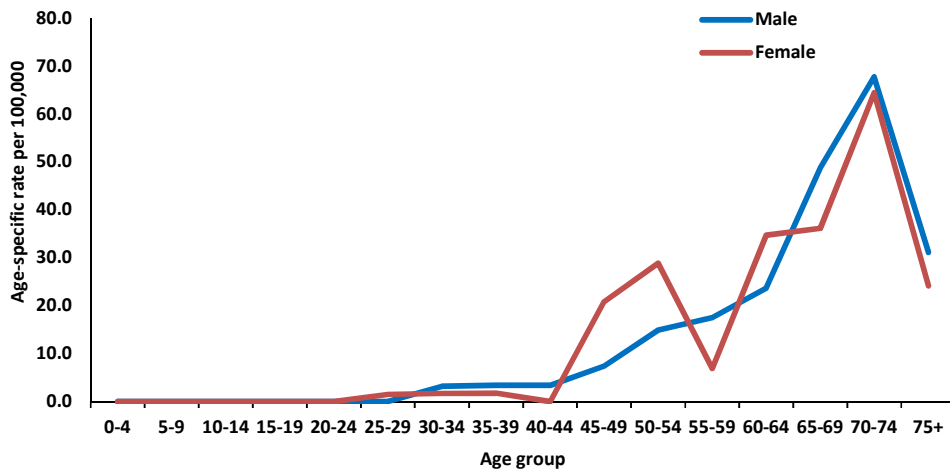
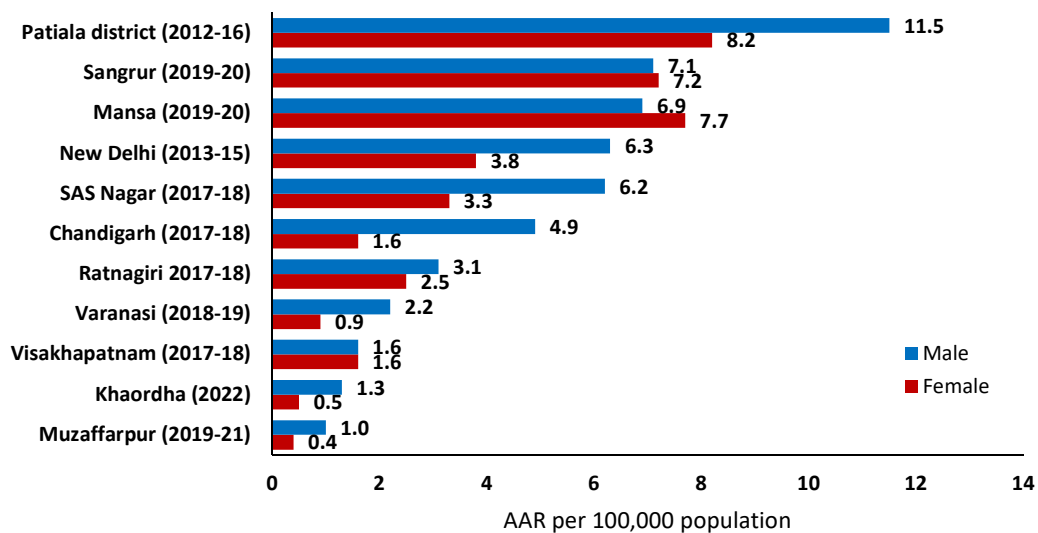


Figure 11: Comparison of Esophagus cancer incidence rate with other Indian registries



CANCER OF THE MOUTH (C03-C06)

	Male	Female
Number of cases	32	8
Percentage (%)	5.5	1.2
Crude incidence rate (CR)	3.7	1.0
Age-adjusted rate (AAR)	3.5	0.7
Truncated rate (TR)	7.3	0.6

Figure 12: Age-specific incidence rate of mouth cancer (Mansa district): 2019-2020

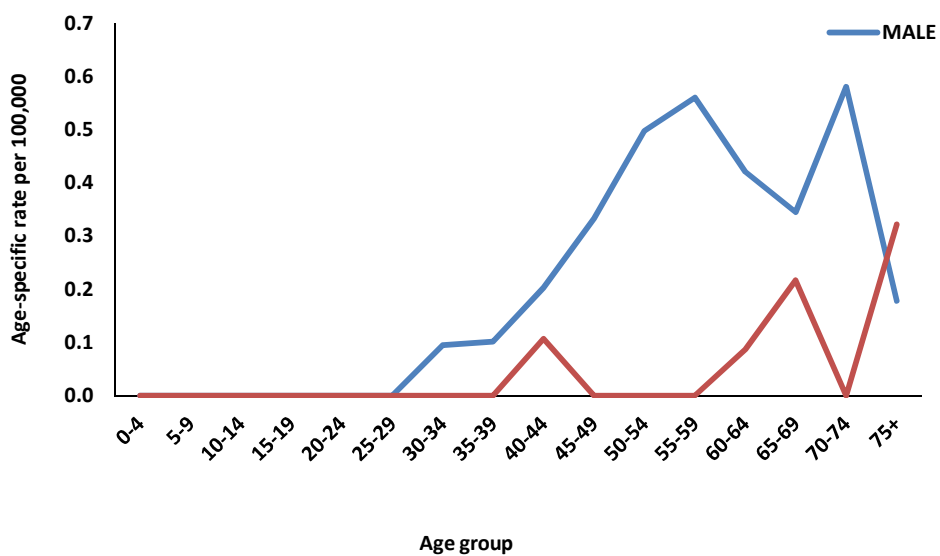
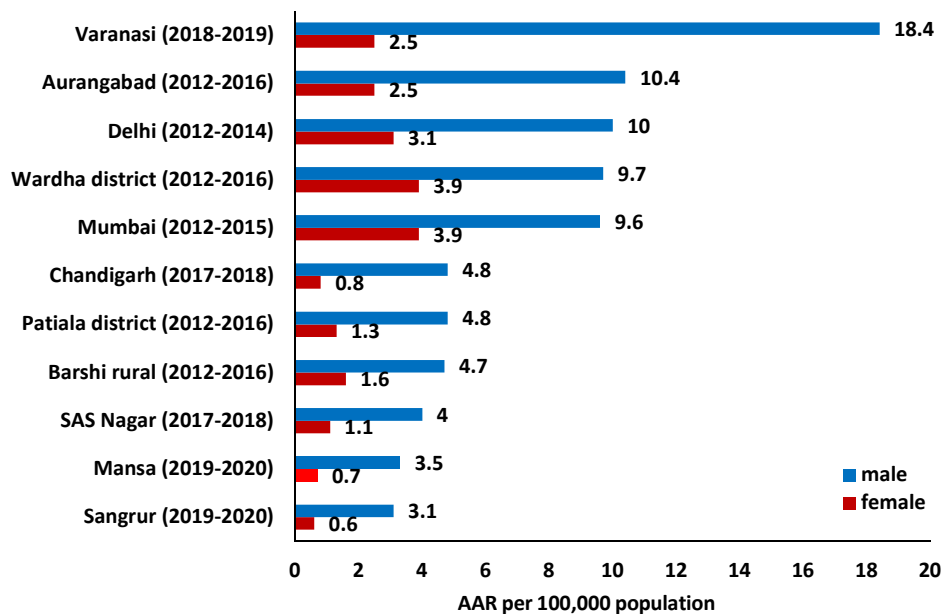


Figure 13: Comparison of mouth cancer incidence rate with other Indian registries



CANCER OF THE GALL BLADDER (C23-C24)

	Male	Female
Number of cases	18	40
Percentage (%)	3.1	6.1
Crude incidence rate (CR)	2.1	5.2
Age-adjusted rate (AAR)	1.8	4.4
Truncated rate (TR)	2.2	7.8

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

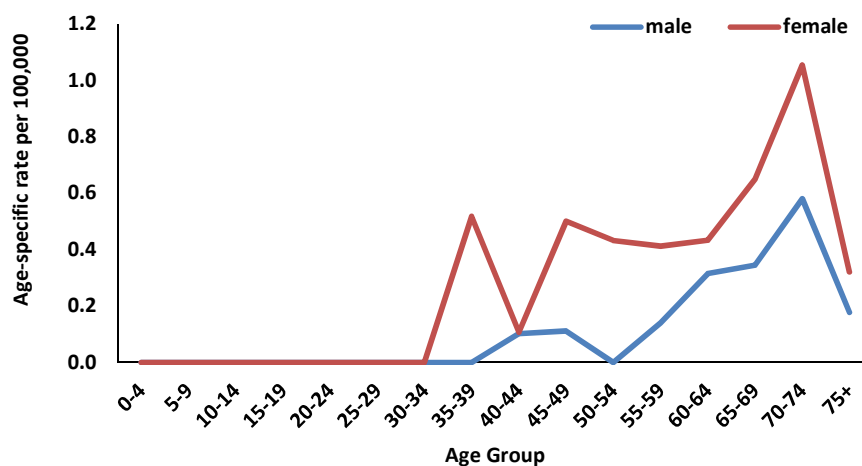
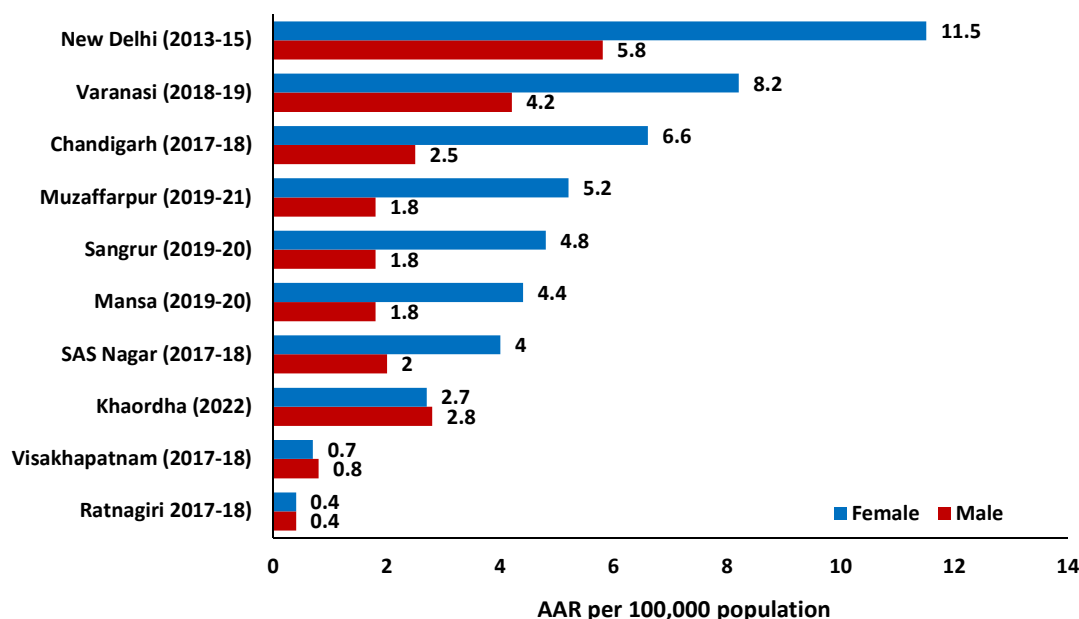


Figure 15: Comparison of gall bladder cancer incidence rate with other Indian registries



CANCER OF THE PROSTATE (C61)

	Male
Number of cases	32
Percentage (%)	5.5
Crude incidence rate (CR)	3.7
Age-adjusted rate (AAR)	3.0
Truncated rate (TR)	2.2

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

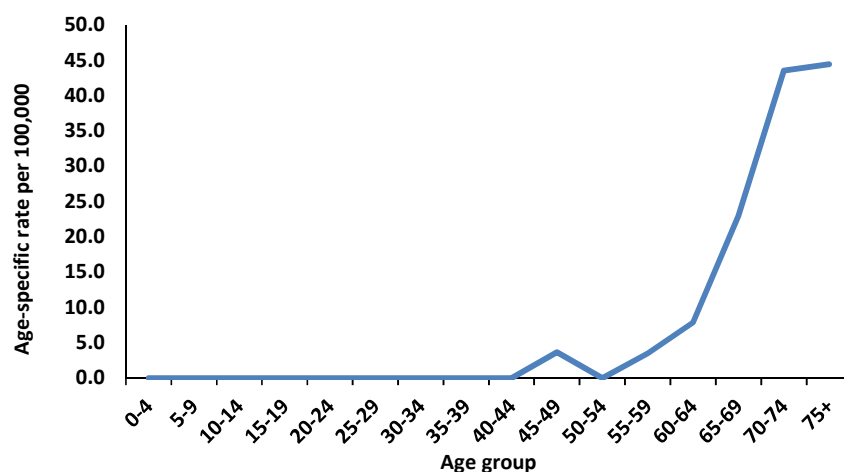
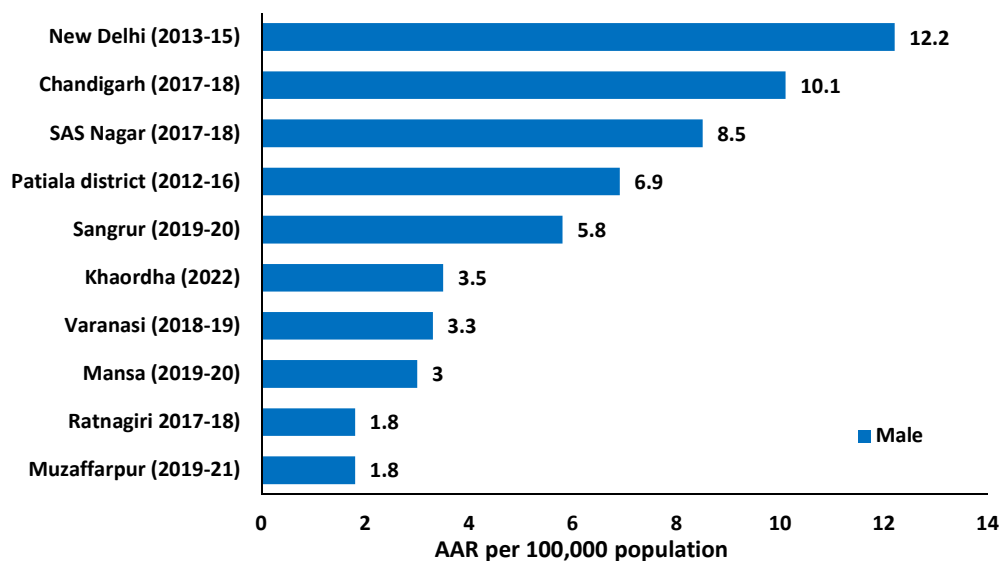


Figure 17: Comparison of prostate cancer incidence rate with other Indian registries



CANCER OF THE BREAST (C50)

	Female
Number of cases	149
Percentage (%)	22.7
Crude incidence rate (CR)	19.5
Age-adjusted rate (AAR)	17.3
Truncated rate (TR)	42.3

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

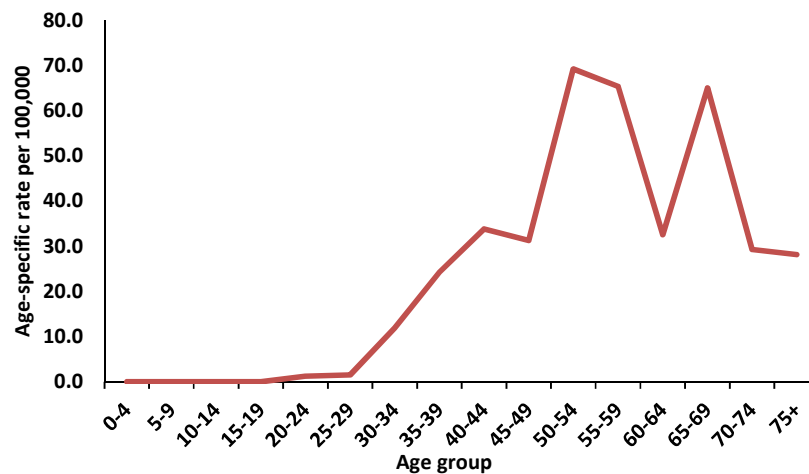
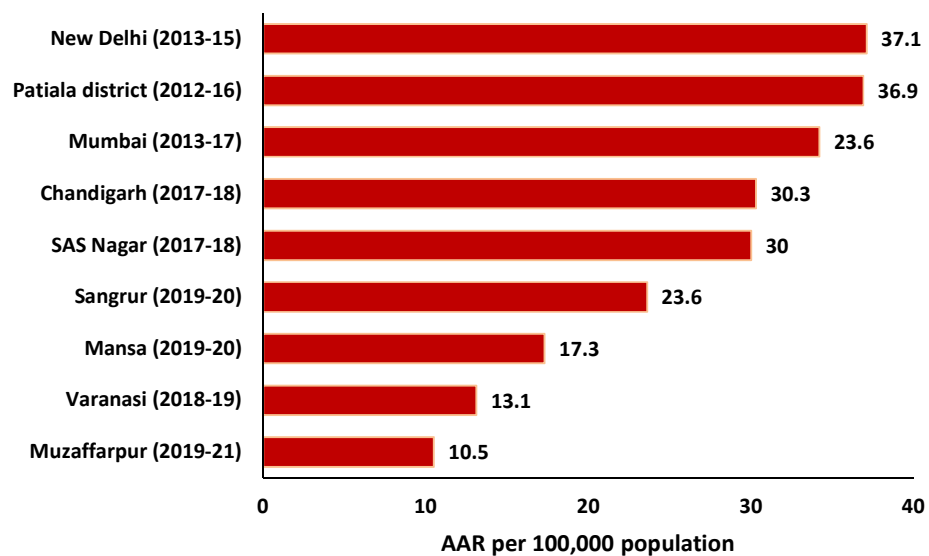


Figure 19: Comparison of breast cancer incidence rate with other Indian registries



CANCER OF CERVIX UTERI (C53)

Female	
Number of cases	75
Percentage (%)	11.5
Crude incidence rate (CR)	9.8
Age-adjusted rate (AAR)	8.4
Truncated rate (TR)	17.3

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

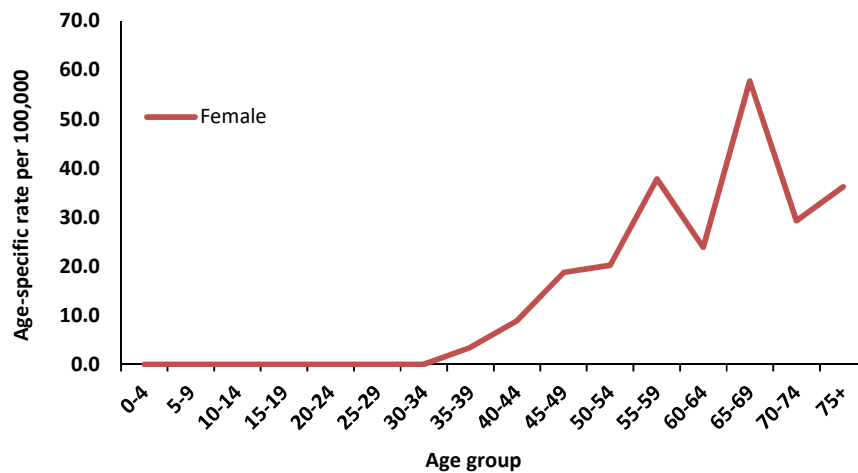
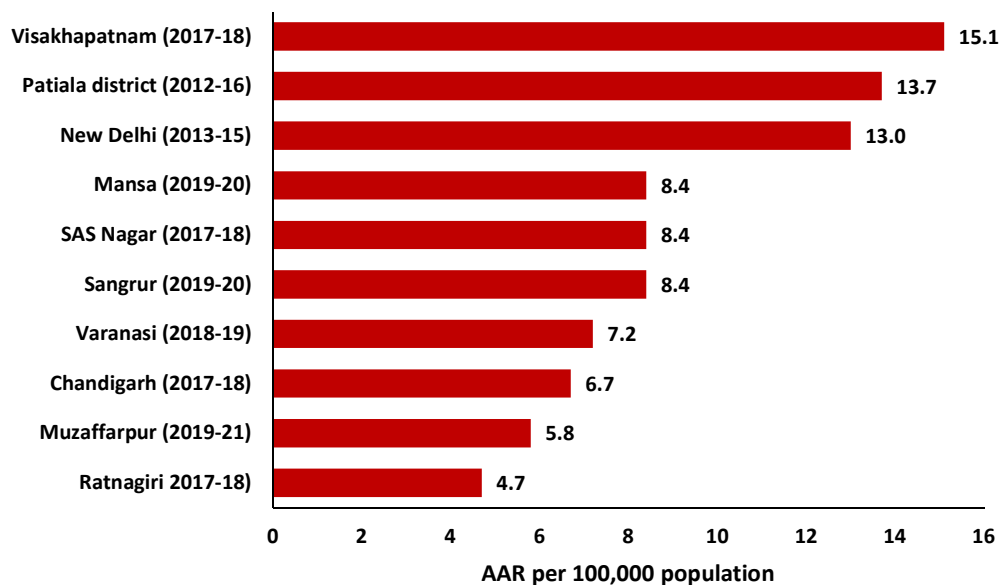


Figure 21: Comparison of cervix uteri cancer incidence rate with other Indian registries



CANCER OF THE OVARY (C56)

	Female
Number of cases	46
Percentage (%)	7.0
Crude incidence rate (CR)	6.0
Age-adjusted rate (AAR)	5.3
Truncated rate (TR)	12.9

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

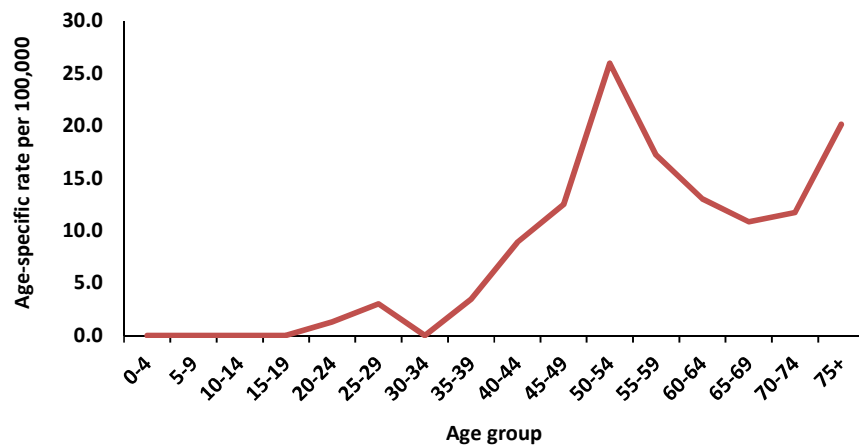


Figure 23: Comparison of ovarian cancer incidence rate with other Indian registries

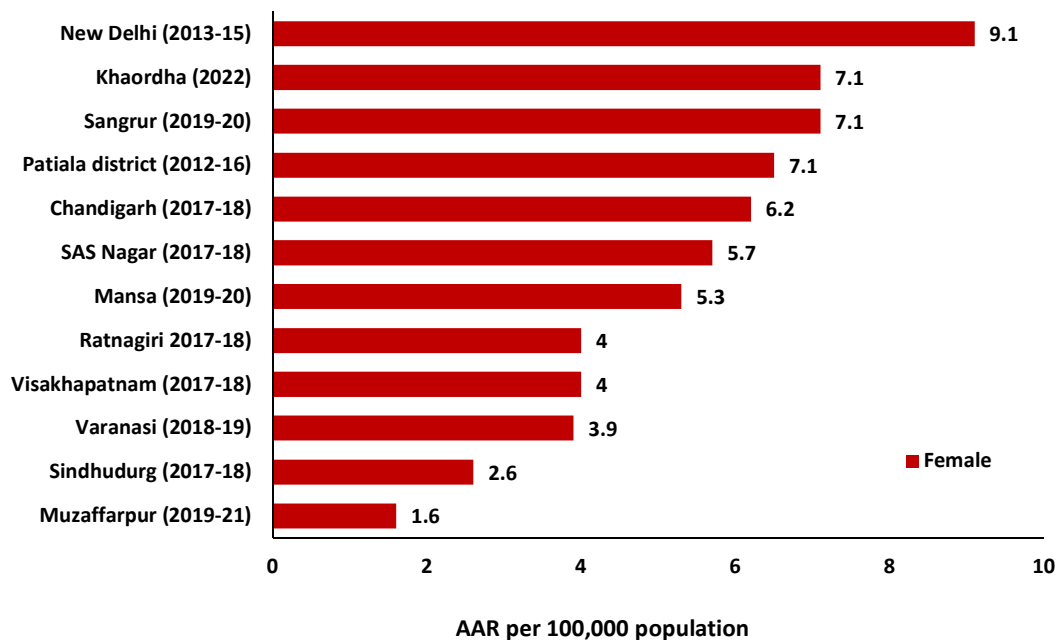


Figure 24: Age-specific incidence and mortality rate: Male all cancer sites (Mansa district): 2019-2020

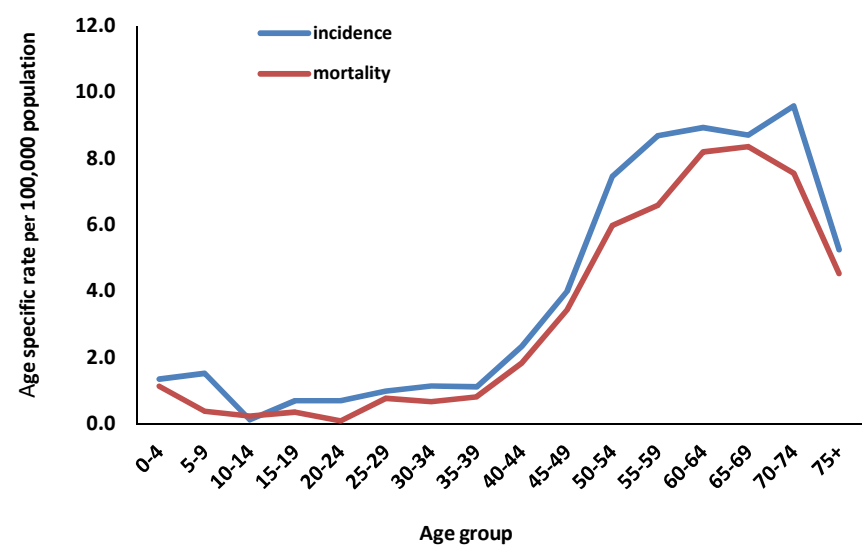
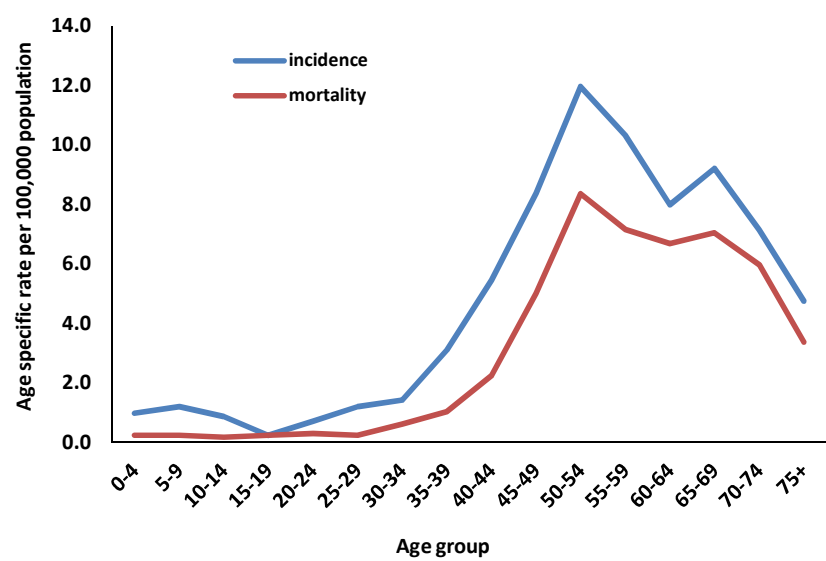


Figure 25: Age-specific incidence and mortality rate: Female all cancer sites (Mansa district): 2019-2020



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 585 cases, 45 (7.7%) cases are of other and unspecified sites. The predominant cases are C80 – primary unknown (6.2%), followed by C76 – Other and Ill- Defined, Secondary and Unspecified sites (0.9%), and C77 Secondary and Unspecified Malignant Neoplasm of Lymph Node (0.3%). In females, out of 655 cases, 38 (5.8%) cases are of other and unspecified sites. The predominant cases are C80 – primary unknown (4.7%), followed by and C76 – other and ill-defined, secondary and unspecified sites (0.6%). The details are presented in table 11.

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

Table 11: Other and unspecified cases by sex

ICD 10	Male		Female	
	Number	%	Number	%
C26	1	0.2	1	0.2
C48	1	0.2	1	0.2
C75	0	0.0	0	0.0
C76	5	0.9	4	0.6
C77	2	0.3	1	0.2
C78	0	0.0	0	0.0
C79	0	0.0	0	0.0
C80	36	6.2	31	4.7
Total	45/585	7.7/100	38/655	5.8/100

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

	Male	Female
Number of cases	45	38
Percentage (%)	7.7	5.8
Crude incidence rate (CR)	5.2	5.0
Age-adjusted rate (AAR)	4.6	4.4
Truncated rate (TR)	7.1	9.6

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

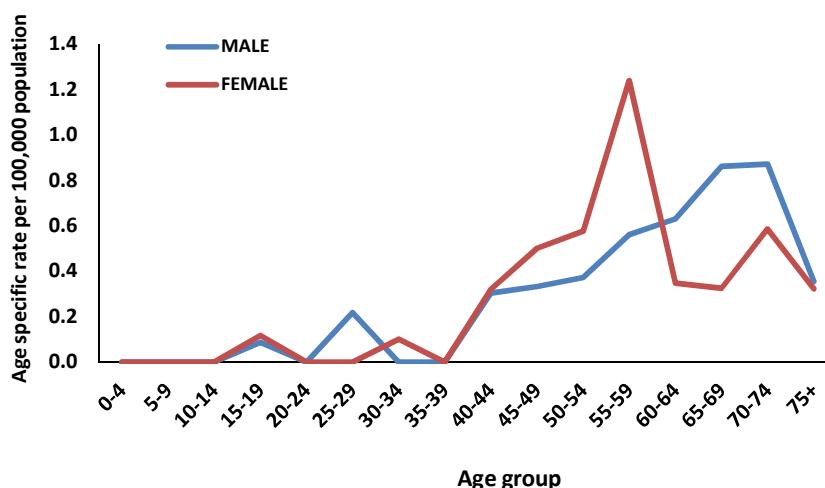
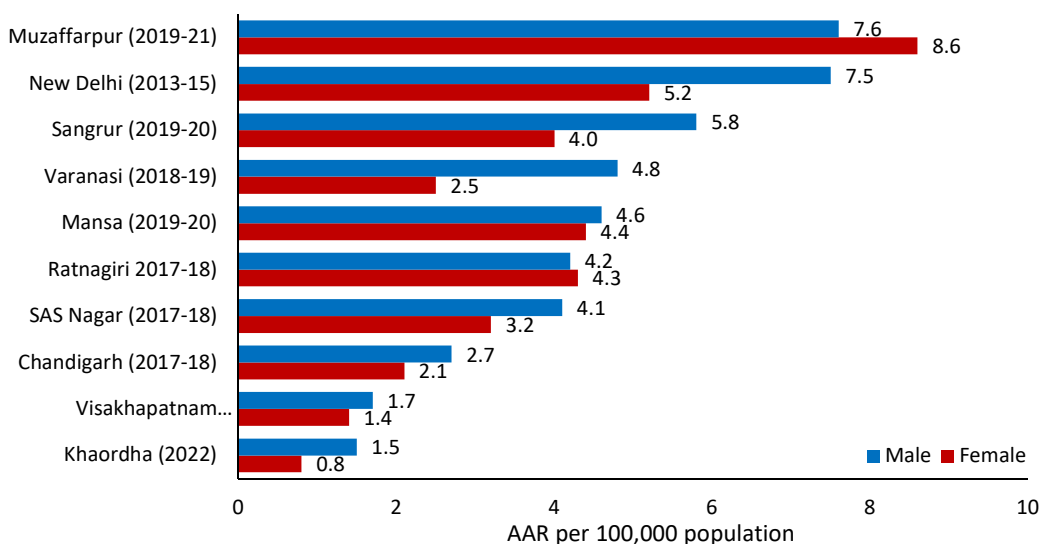


Figure 27: Comparison of other and unspecified cancer incidence rate with other Indian registries



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

In the year 2019-2020, out of 1240 registered cancer cases 29 (2.3%) pediatric cases (0-14 age group) were registered. The age-adjusted incidence for boys is 96.4 per million and 98.1 per million for girls. Due to COVID-19 pandemic the registry activities were badly affected due to which the registry might have missed some cases.

The leading cancer sites in boys are brain and nervous system, eye, leukemia unspecified, other thoracic organs, lymphoid leukemia, myeloid leukemia. While in girls; brain, lymphoid leukemia, leukemia unspecified, Hodgkin's are the leading cancer sites. Leading cancer sites in boys and girls are mentioned below in figures 28 and 29 respectively.

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

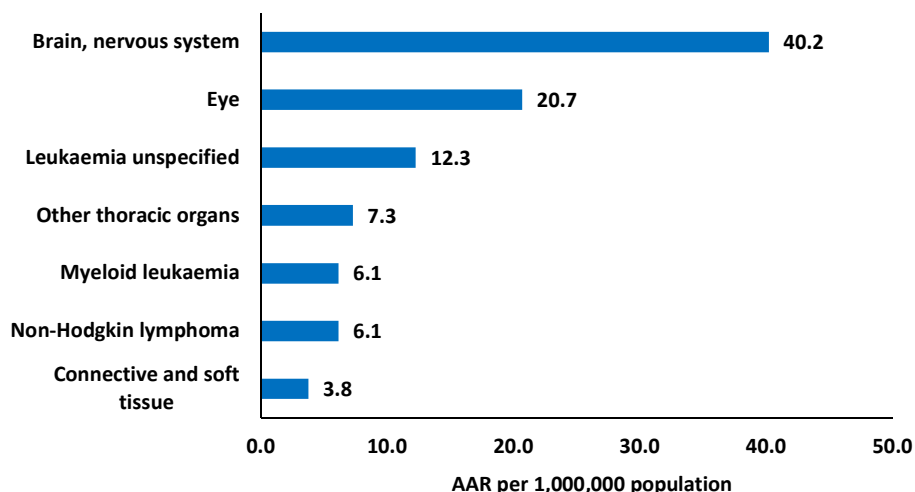
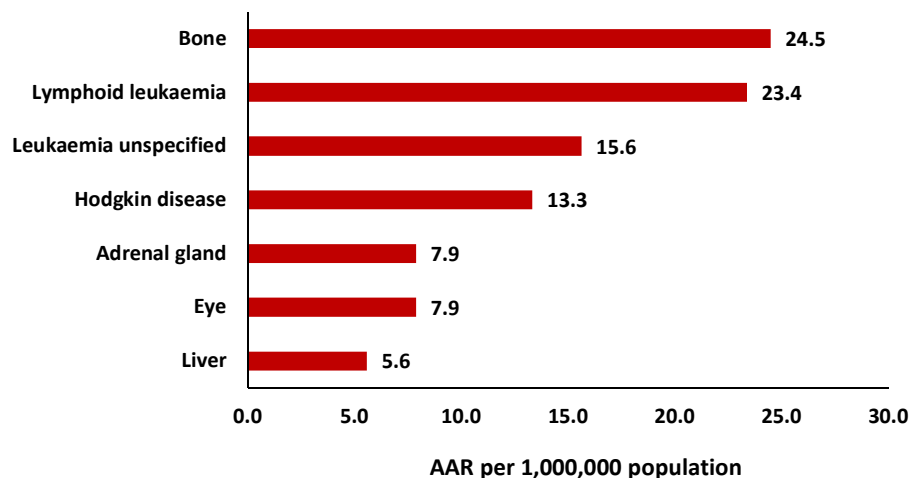


Figure 29: Leading cancer sites in girls: 2019-2020



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 12. The pediatric cancer burden as per ICCC-3 standard is mentioned separately in Table 39 and 40. ⁽¹⁵⁾ 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 the pediatric cancer cases by age-group: Both sex (Mansa district)

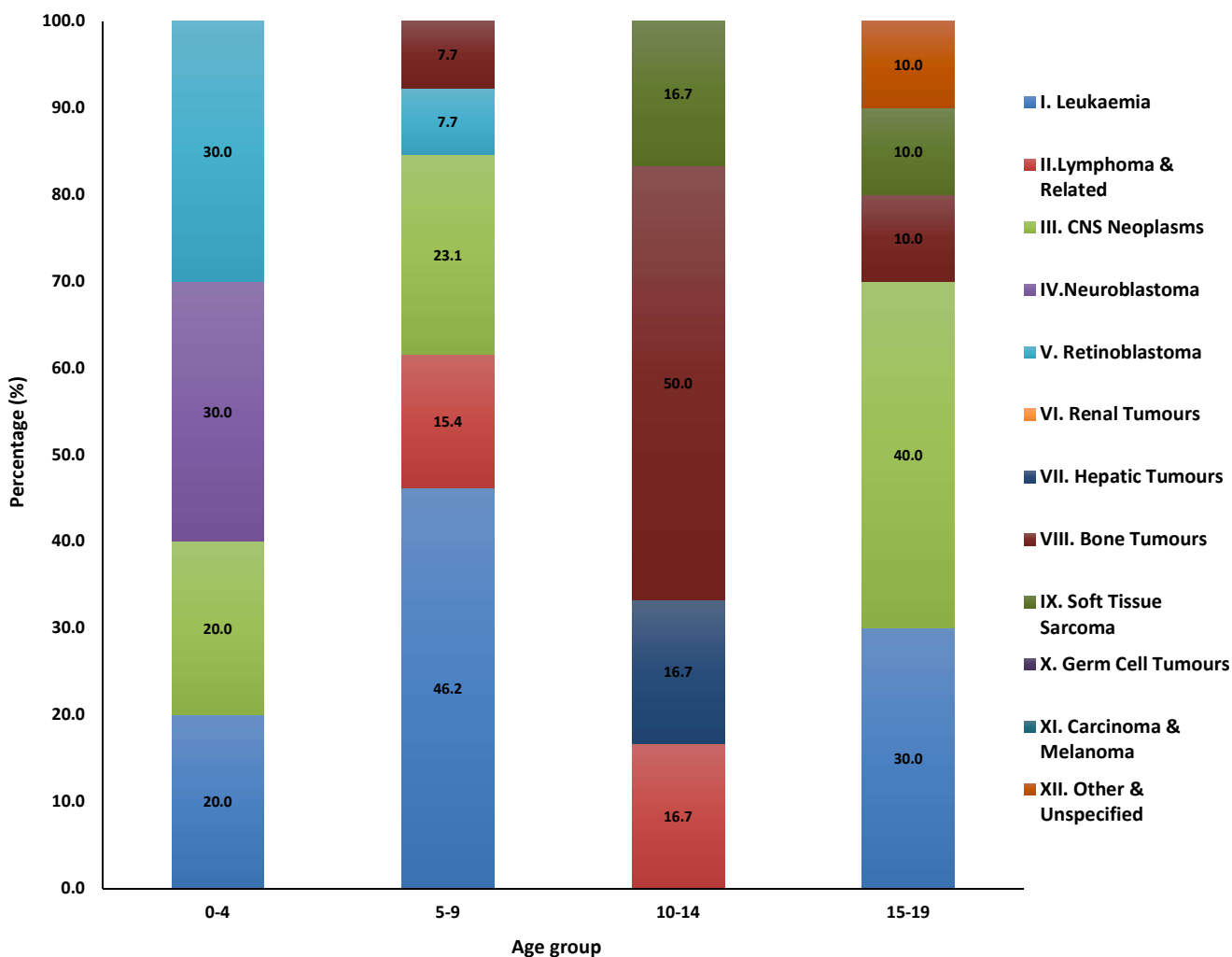


Table 12: Cancer cases distribution as per the International Classification of Childhood Cancer (ICCC) code: 2019-2020

ICCC Code	Site	Boys			Girls		
		Number	%	AAR*	Number	%	AAR*
1a	Lymphoid leukemia	-	-	-	3	21	23
1b	Acute myeloid leukemia	1	7	6	-	-	-
1c	Chronic Myeloproliferative Diseases	-	-	-	-	-	-
1e	Unspecified and other specified leukemia	2	13	12	2	14	16
2a	Hodgkin lymphomas	-	-	-	2	14	13
2b	Non-Hodgkin Lymphoma (except Burkitt Lymphoma)	-	-	-	-	-	-
2c	Burkitt (BL)	1	7	6	-	-	-
3b	Astrocytoma's	1	7	7	-	-	-
3d	Other gliomas	1	7	7	-	-	-
3f	Unspecified intracranial and intraspinal neoplasms	3	20	18	-	-	-
4a	(Ganglion) neuroblastoma	2	13	15	1	7	8
5	Retinoblastoma	3	20	21	1	7	8
6a	Nephroblastoma and other nonepithelial renal tumors	-	-	-	-	-	-
7c	Unspecified malignant hepatic tumors	-	-	-	1	7	6
8a	Osteosarcoma	-	-	-	3	21	17
8e	Unspecified Bone tumors	-	-	-	1	7	8
9d	Other specified soft tissue sarcomas	1	7	4	-	-	-
12b	Other unspecified malignant tumors	-	-	-	-	-	-
ALL	All sites	15	100	96.5	14	100	98.1

* 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 International Agency for Research on Cancer (IARC), World Health Organization (WHO).⁽¹⁶⁾ Lip (C00), tongue (C01-C02), mouth (C03-C06), pharynx (C10, C12-C14), Esophagus (C15), larynx (C32), lung (C33-C34) and urinary bladder (C67) cancers are associated with the use to tobacco.

As per the Mansa registry data, tobacco-related cancer burden is 37.8% among males while 22.8% among females. The leading sites under tobacco-related cancer are esophagus, mouth, lung, tongue, and hypopharynx in males; and in females, esophagus, lung, mouth, hypopharynx, tongue and bladder.

In males out of 195; 101 (51.8%) are farmer, 49 (25.1%) unskilled worker and 14 (7.2%) are clerical/shop owner. In the female out of 110; 108 (98.2%) are housewives. Considering the educational level in this population 56.4% of males and 80.9% of females are illiterate.

Table 13: Tobacco-related cancer burden in males: 2019-2020

ICD 10	Site	Total	%	CR	AAR	TR
C00	Lip	1	0.2	0.1	0.1	0.0
C01-C02	Tongue	22	3.8	2.5	2.4	6.0
C03-C06	Mouth	31	5.3	3.6	3.3	6.8
C10	Other oropharynx	5	0.9	0.6	0.5	1.5
C12-C13	Hypopharynx	10	1.7	1.1	1.0	1.2
C14	Pharynx unspecified	2	0.3	0.2	0.2	0.7
C15	Oesophagus	68	11.6	7.8	6.9	10.5
C32	Larynx	17	2.9	1.9	1.8	3.5
C33-C34	Trachea, bronchus and lung	27	4.6	3.1	2.9	5.2
C67	Bladder	12	2.0	1.4	1.2	2.3
C00, C06, C10, C12, C15, C32-34, &C67	Tobacco-related Cancer	195	33.2	22.4	20.4	37.8

Table 14: Tobacco-related cancer burden along with associated site in female: 2019-2020

Tobacco related cancer in Females 2019-2020						
ICD10	Site	Total	%	CR	AAR	TR
C00	Lip	1	0.2	0.1	0.1	0.0
C01-02	Tongue	1	0.2	0.1	0.1	0.4
C03-06	Mouth	8	1.2	1.0	0.7	0.6
C10	Other oropharynx	1	0.2	0.1	0.1	0.0
C12-13	Hypopharynx	9	1.4	1.2	1.1	3.1
C14	Pharynx unspecified	0	0.0	0.0	0.0	0.0
C15	Oesophagus	69	10.5	9.0	7.7	14.8
C32	Larynx	2	0.3	0.3	0.2	0.3
C33-34	Trachea, bronchus and lung	13	2.0	1.7	1.5	3.6
C67	Bladder	8	1.2	1.0	0.8	0.3
C00, C06, C10, C12, C15, C32-34, &C67	Tobacco-related Cancer	112	17.0	14.6	12.3	23.2

Table 15: Occupation in tobacco-related cancer cases: 2019-2020

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Farmer	101	51.8	2.0	1.8	103.0	33.6
Unskilled Worker	49	25.1	0.0	0.0	49.0	16.0
Clerical/Shop owner	14	7.2	0.0	0.0	14.0	4.6
Govt Employee	12	6.2	0.0	0.0	12.0	3.9
Other	5	2.6	0.0	0.0	5.0	1.6
Semi-Skilled Worker	5	2.6	0.0	0.0	5.0	1.6
Skilled Worker	5	2.6	0.0	0.0	5.0	1.6
Pvt Employee	2	1.0	0.0	0.0	2.0	0.7
Professional	1	0.5	0.0	0.0	1.0	0.3
Unemployed	1	0.5	0.0	0.0	1.0	0.3
Housewife	0	0.0	110.0	98.2	110.0	35.8
Total	195	100	112	100	307	100

Table 16: Educational characteristics in tobacco-related cancer cases: 2019-2020

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	110	56.4	90	80.4	200	65.1
Primary (1-7 std)	37	19.0	8	7.1	45	14.7
Secondary (8-10 std)	24	12.3	6	5.4	30	9.8
Literate	11	5.6	5	4.5	16	5.2
Technical after 10th	9	4.6	3	2.7	12	3.9
College	4	2.1	0	0.0	4	1.3
Grand Total	195	100	112	100	307	100

Table 17: Religion in tobacco-related cancer cases: 2019-2020

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Sikh	164	84.1	103	92.0	267	87.0
Hindu	31	15.9	8	7.1	39	12.7
Muslim	0	0.0	1	0.9	1	0.3
Grand Total	195	100.0	112	100.0	307	100.0

13. Cancer burden as per anatomical system

In males, the majority of cancer cases involves the site from the digestive organ (34.9%) followed by Head and Neck cancer (19.0%), Lip, Oral cavity (9.4%) , male genital organ (9.2%) Lymphoid and Hematopoietic tissue (8.6%), with AAR 21.4, 11.7, 6.0, 5.3 and 5.6 per 100,000 population respectively. In digestive organs, the liver and esophagus are the predominant cancers while in Head and Neck cancer, the predominant cancers are the tongue and mouth. Among Lymphoid and Hematopoietic tissue, NHL and lymphoid leukemia are the predominant cancers. Prostate cancer is predominant cancer in the male genital organs.

In females, the majority of cancer cases involved the sites from the female genital organ (21.7%) followed by the digestive organ (29.6%), breast (22.7%), and Head and Neck (5.6%) with AAR 16.2, 17.3, 21.9, and 3.9 per 100,000 population respectively. In the female genital organ, cervix uteri, and ovary are predominant cancer while in the digestive organ, esophagus, liver and gall bladder are predominant cancer. The details are presented in Figure 31, Tables 18 and 19.

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

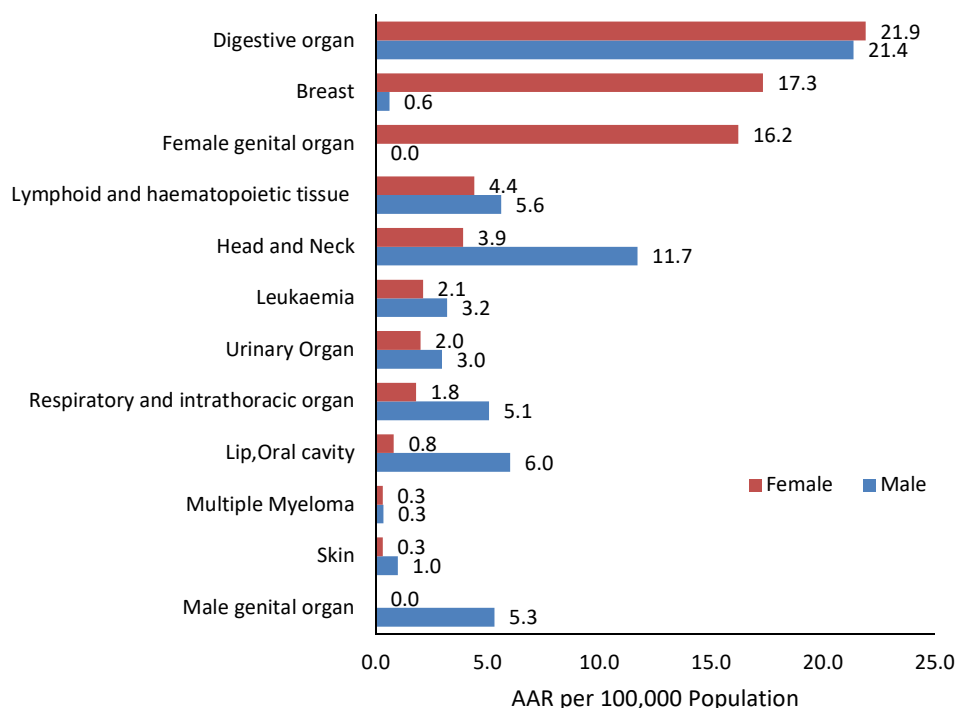


Table 18: Cancer burden as per the various anatomical system in male: 2019-2020

ICD 10	Site	Total	%	CR	AAR	TR
C15-C25	Digestive organ	204	34.9	23.4	21.4	36.9
C00,C14,C30-C32&C73	Head and Neck	111	19.0	12.7	11.7	24.0
C00-C06	Lip, Oral cavity	55	9.4	6.3	6.0	13.3
C81-C96	Lymphoid and hematopoietic tissue	50	8.6	5.7	5.6	9.4
C60-C63	Male genital organ	54	9.2	6.2	5.3	7.0
C30-C38	Respiratory and intrathoracic organ	47	8.0	5.4	5.1	8.6
C91-C95	Leukemia	28	4.8	3.2	3.2	5.2
C64-C68	Urinary Organ	29	5.0	3.3	3.0	4.8
C43-C44	Skin	10	1.7	1.1	1.0	1.1
C50	Breast	6	1.0	0.7	0.6	0.8
C88+C90	Multiple Myeloma	3	0.5	0.3	0.3	0.8

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

ICD10	Site	Total	%	CR	AAR	TR
C51-C58	Female genital organ	142	21.7	18.6	16.2	35.3
C50	Breast	149	22.7	19.5	17.3	42.3
C15-C25	Digestive Organ	194	29.6	25.4	21.9	41.1
C00-C14,C30-C32 & C73	Head and Neck	37	5.6	4.8	3.9	7.5
C00-C06	Lip,Oral cavity	9	1.4	1.2	0.8	0.6
C81-C96	Lymphoid and hematopoietic tissue	33	5.0	4.3	4.4	4.5
C91-C95	Leukemia	13	2.0	1.7	2.1	1.4
C64-C68	Urinary Organ	19	2.9	2.5	2.0	3.2
C30-C38	Respiratory and intrathoracic organ	16	2.4	2.1	1.8	4.4
C43-C44	Skin	2	0.3	0.3	0.3	0.5
C88+C90	Multiple Myeloma	3	0.5	0.4	0.3	1.0

14.Cancer trends in Mansa district

The all-site cancer incidence trends for males and females have increased. The increased cancer incidence trend indicates an improved cancer registration process. Initially, there might have been a possibility of under registration. With continuous efforts towards proper documentation and establishment of HBCH, Sangrur has greatly improved the cancer registration process.

For males, the esophageal cancer trend is showing a stable incidence rate but liver, brain, mouth, and prostate cancer incidence shows increasing trends.

In females; breast, gall bladder, and liver cancer incidence are showing increasing trends throughout 2013 – 2020, while Esophagus, mouth, ovary, and cervical cancer trends are stable. There may be under registration of cervical cancer cases in the year 2015-2016.

Figure 32: All sites cancer trends in Mansa district

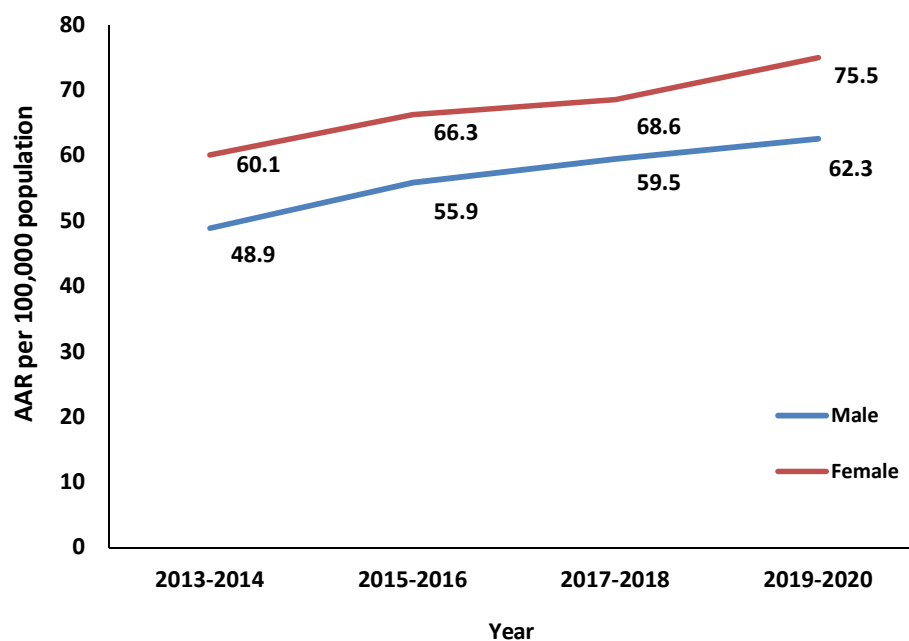


Figure 33: Esophagus cancer trends in Mansa district

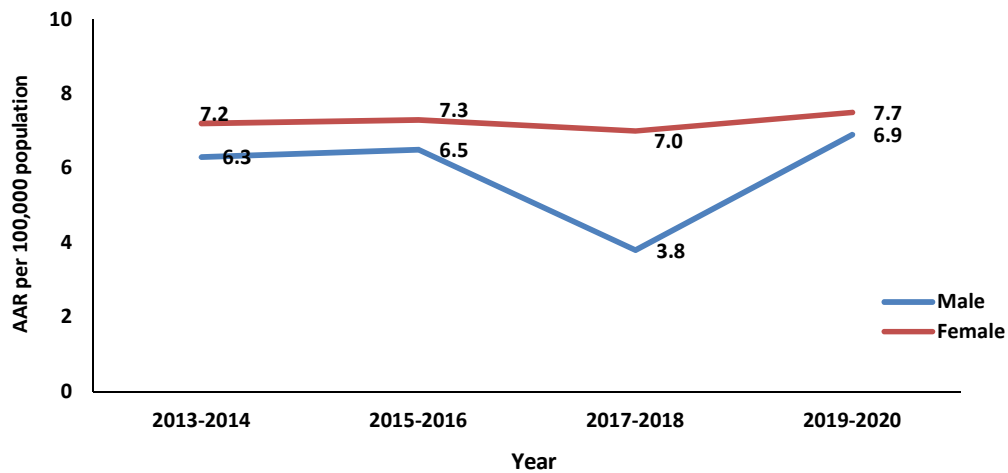


Figure 34: Liver cancer trends in Mansa district

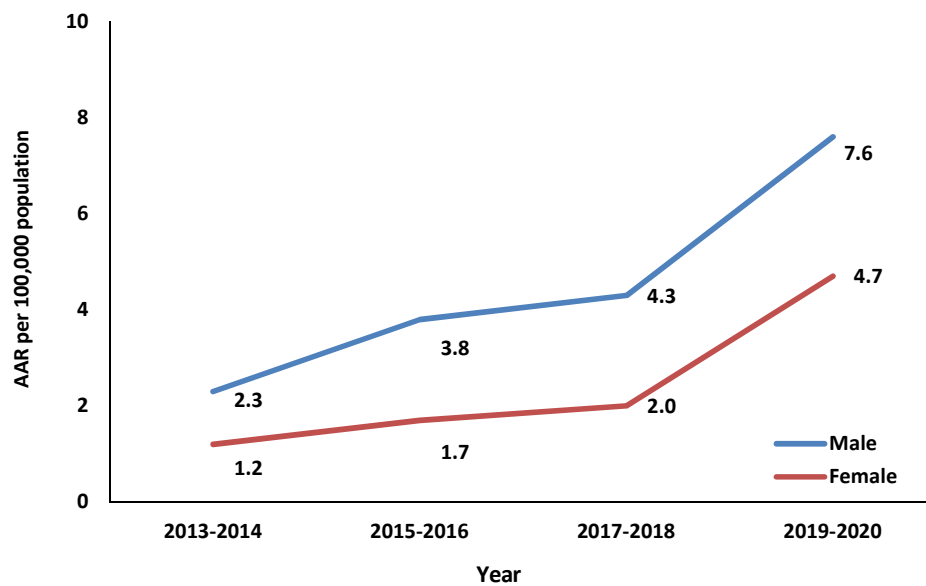


Figure 35: Breast cancer trends in Mansa district: Female

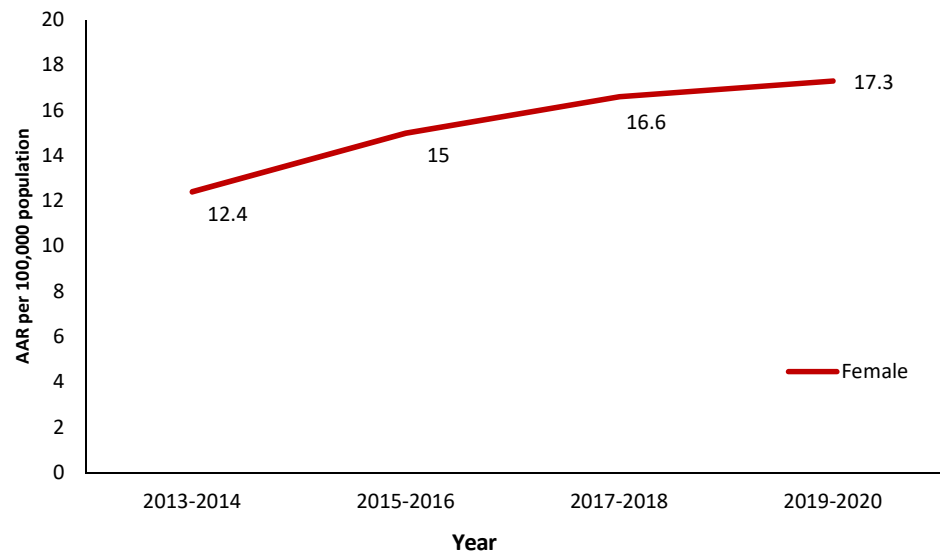


Figure 36: Cervical cancer trends in Mansa district

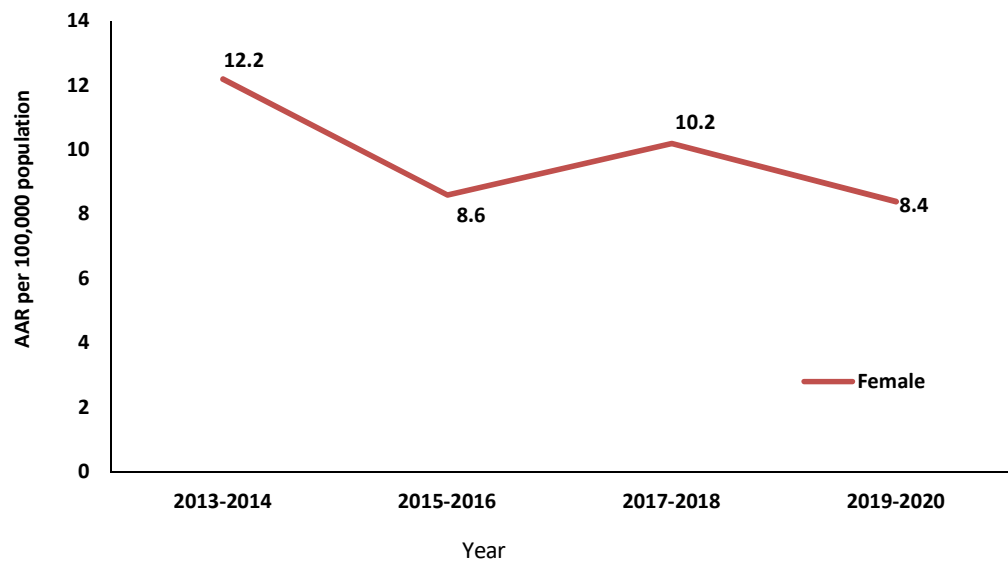


Figure 37: Ovarian cancer trends in Mansa district

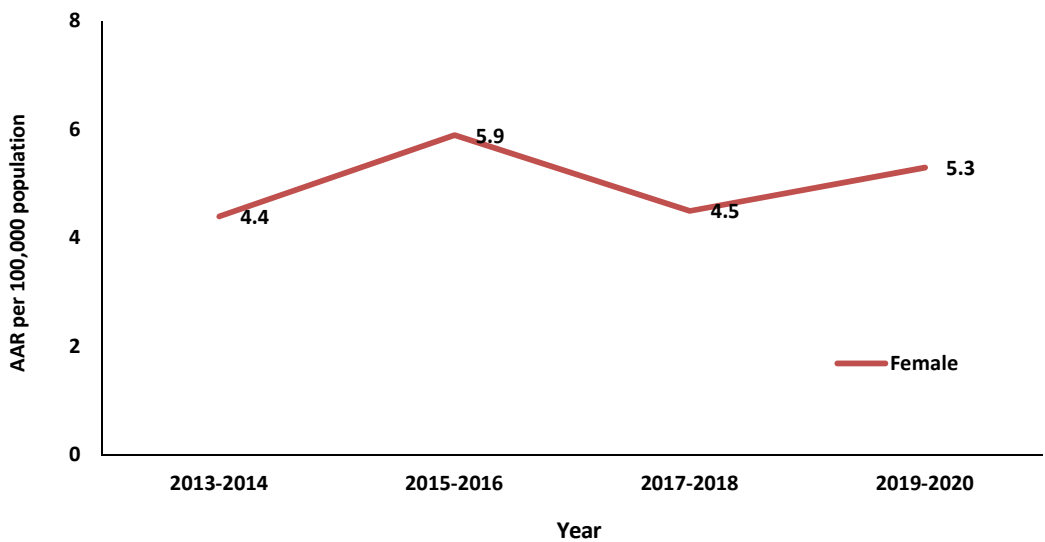


Figure 38: Prostate cancer trends in Mansa district

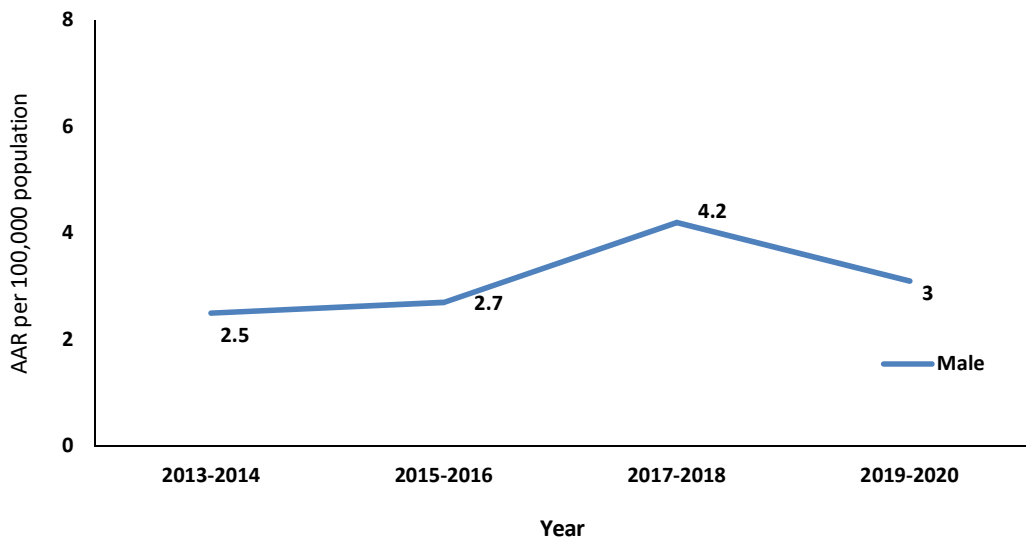


Figure 39: Gall bladder cancer trends in Mansa district

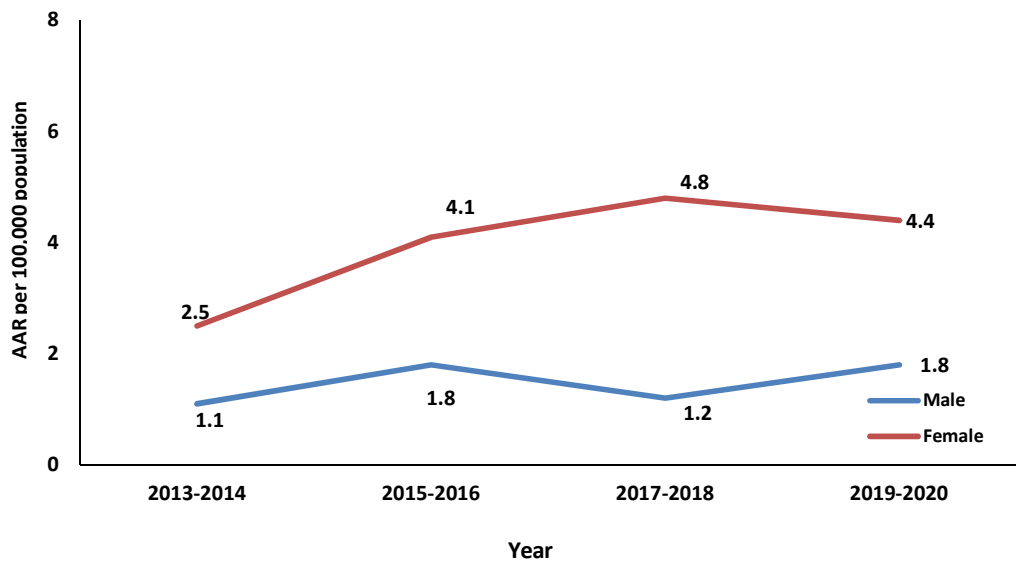
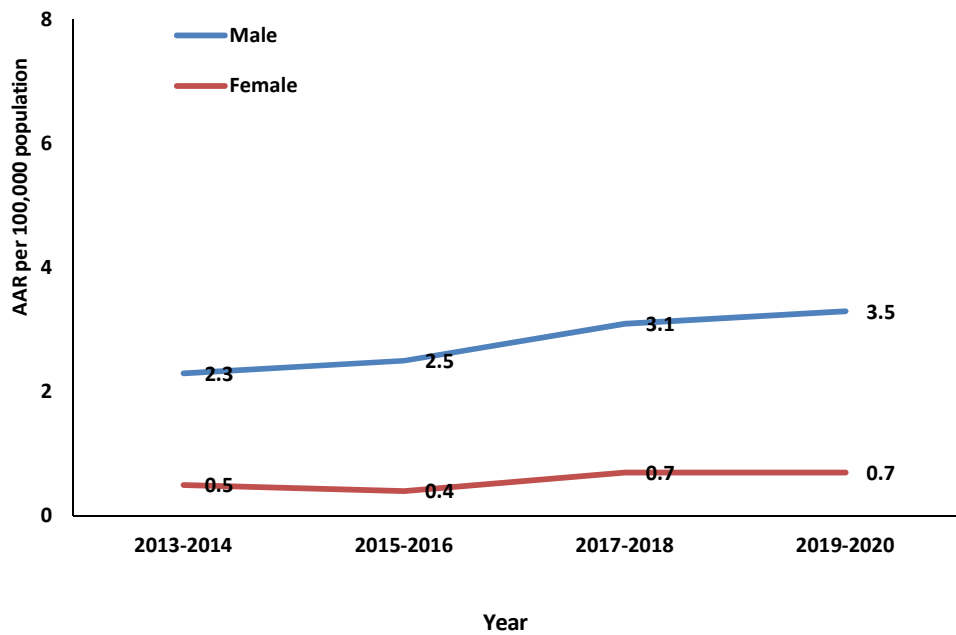


Figure 40: Mouth cancer trends in Mansa district



15. Cancer survival studies

Mansa 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 382 total breast cancer cases 166 (43.5%) patients are alive while 211 (55.2%) are dead. Out of 461 esophagus cancer cases, 53 (11.5%) patients are alive while 407 (88.3%) are dead. Similarly, out of 258 cervix uteri cancer cases, 82 (31.8%) patients are alive while 173 (67.1%) patients are dead. Out of total 127 prostate cancer cases, 25 (19.7%) patients are alive while 101 (79.5%) patients are dead.

Table 20: 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	382	166	43.5	211	55.2	5	1.3
Esophagus	461	53	11.5	407	88.3	1	0.2
Cervix uteri	258	82	31.8	173	67.1	3	1.2
Prostate	127	25	19.7	101	79.5	1	0.8

16. Socio-demographic information

The Mansa district cancer registry staff interacted with cancer patients or their relatives and gathered socio-demographic information. Based on the information collected, in Mansa district, cancer cases were highest among the Sikh community (86.8%). Moreover, cancer cases were more among illiterate population [n= 739, (59.7%)]. Among the illiterate population, cancer cases are more among females [438 (67.4%) out of 650 cancer cases] than males. Furthermore, in terms of occupation, cancer cases were more commonly found among housewives in females and farmers in males respectively 94% and 52.7%. The number of cancer cases was more among the population with an income of less than Rs. 15,000/- per month.

Table 21: Cancer cases by education and sex: 2019-2020

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	299	51.1	440	67.2	739	59.6
Literate	33	5.6	26	4.0	59	4.8
Primary (1-7 std)	90	15.4	68	10.4	158	12.7
Secondary (8-10 std)	84	14.4	69	10.5	153	12.3
Technical after 10 th	42	7.2	25	3.8	67	5.4
College	20	3.4	11	1.7	31	2.5
Post graduate	6	1.0	10	1.5	16	1.3
Other	0	0.0	0	0.0	0	0.0
Not applicable for children	11	1.9	6	0.9	17	1.4
Unknown/ No information	0	0.0	0	0.0	0	0.0
Total	585	100.0	655	100.0	1240	100.0

Table 22: Cancer cases by religion and sex: 2019-2020

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Sikh	513	87.7	564	86.1	1077	86.9
Hindu	70	12.0	82	12.5	152	12.3
Muslim	2	0.3	9	1.4	11	0.9
Total	585	100.0	655	100.0	1240	100.0

Table 23: Cancer cases by income and sex: 2019-2020

Income	Male		Female		Total	
	Number	%	Number	%	Number	%
>=30375	83	14.2	81	12.4	164	13.2
15188-30374	65	11.1	87	13.3	152	12.3
11362-15187	176	30.1	190	29.0	366	29.5
7594-11361	167	28.5	169	25.8	336	27.1
4556-7593	49	8.4	79	12.1	128	10.3
1521-4555	42	7.2	49	7.5	91	7.3
<=1520	3	0.5	0	0.0	3	0.2
Unknown/No information	0	0.0	0	0.0	0	0.0
Total	585	100.0	655	100.0	1240	100.0

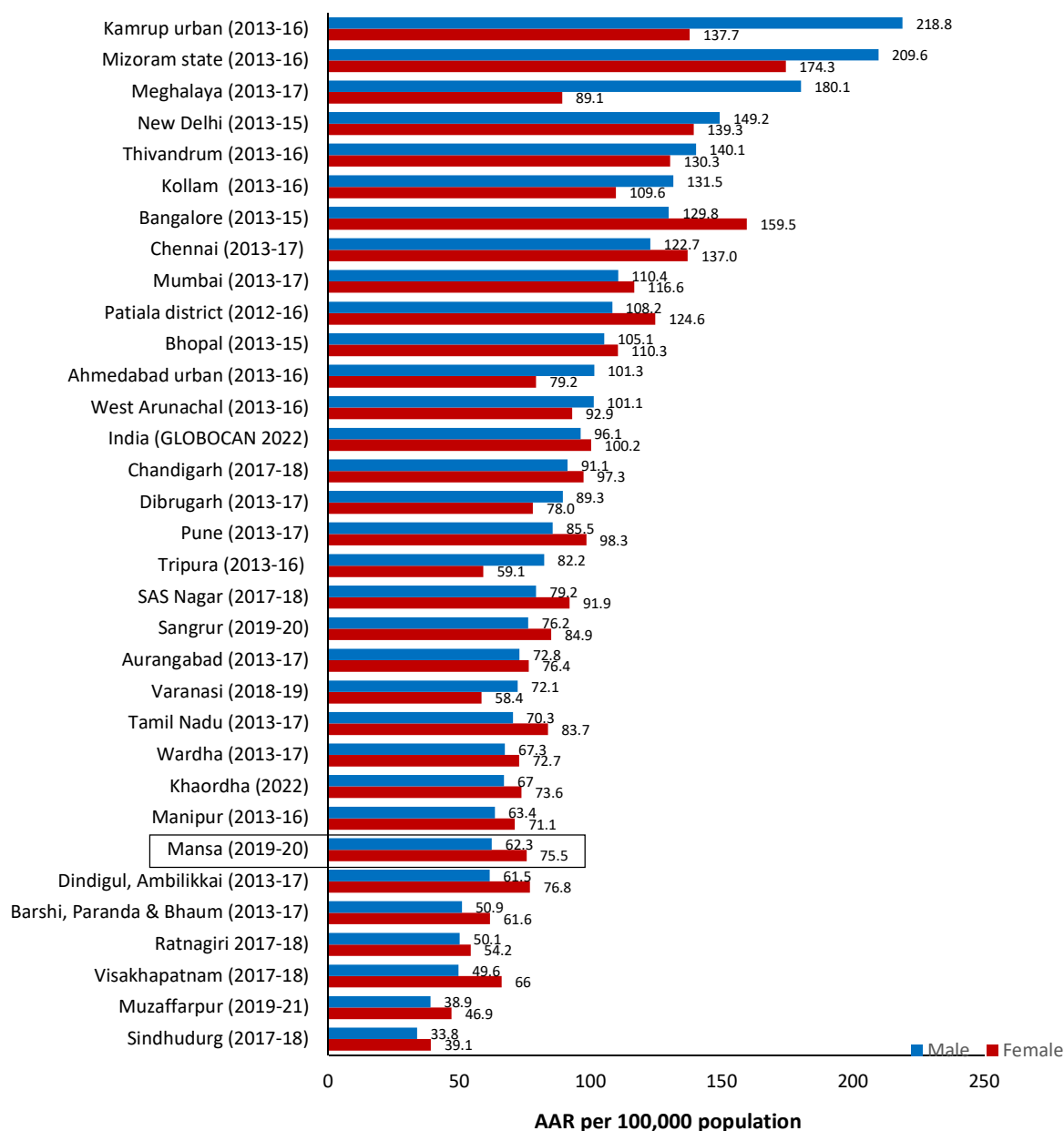
Table 24: Cancer cases by occupation and sex: 2019-2020

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Farmer	308	52.6	3	0.5	311	25.1
Unskilled worker	121	20.7	1	0.2	122	9.8
Government employee	39	6.7	11	1.7	50	4.0
Clerical/Shop owner	31	5.3	1	0.2	32	2.6
Skilled worker	18	3.1	0	0.0	18	1.5
Student	18	3.1	14	2.1	32	2.6
Semi-skilled worker	16	2.7	0	0.0	16	1.3
Not applicable to children	11	1.9	6	0.9	17	1.4
Other	9	1.5	1	0.2	10	0.8
Unemployed	5	0.9	0	0.0	5	0.4
Private employee	5	0.9	1	0.2	6	0.5
Professional	3	0.5	1	0.2	4	0.3
Semi-professional	1	0.2	0	0.0	1	0.1
Housewife	0	0.0	616	94.0	616	49.7
Total	585	100	655	100	1240	100

17. Comparison of cancer incidence rate with other Indian registries

Age-adjusted incidence rate for all cancer sites for both sexes for the year 2019-2020 was compared with other Indian PBCRs in Figures 41. The cancer incidence rate in Mansa district is comparable with other rural cancer registries in the country.

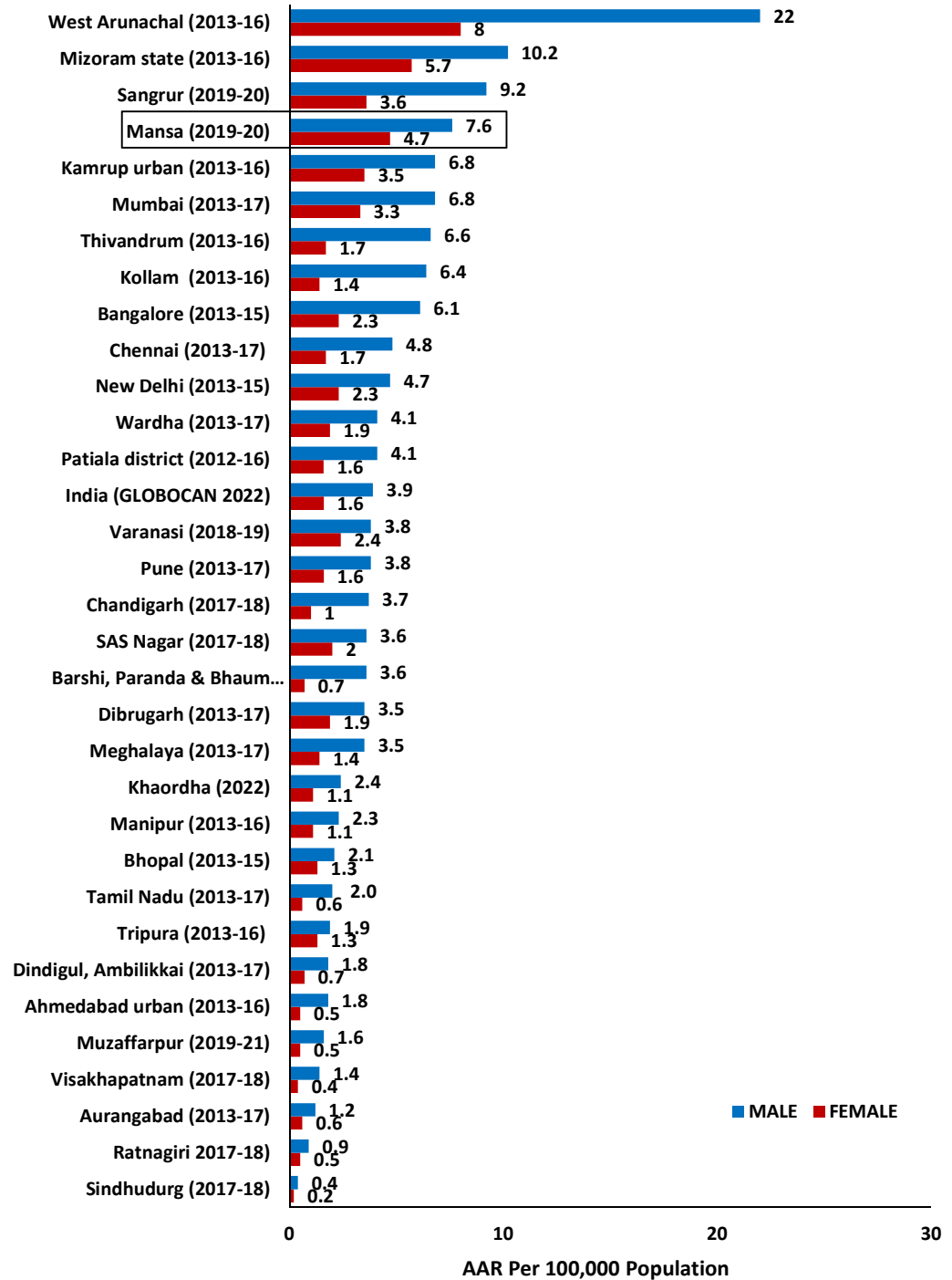
Figure 41: Age-adjusted incidence rate of all cancer sites in males and females



(References: 1-6, 15)

The liver cancer rate is high in Mansa district as compared to other registries. A comparison of liver cancer rates is shown in Figure 42.

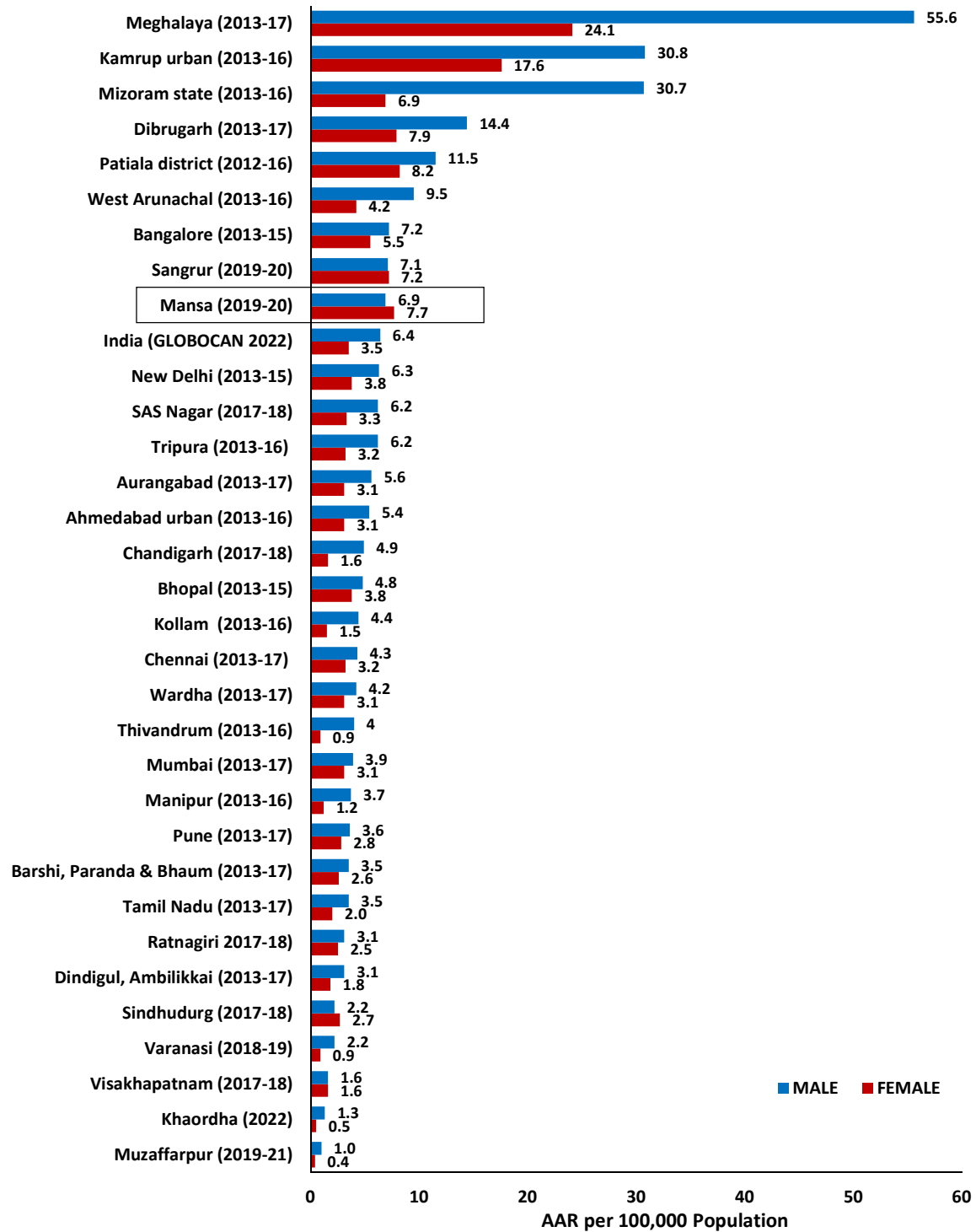
Figure 42: Age-adjusted incidence rate of liver cancer



(References: 1-6, 15)

The Esophagus cancer rate in Mansa district is higher in comparison to national average but lower than Patiala registry in Punjab. A comparison of Esophagus cancer rates is shown in Figure 43.

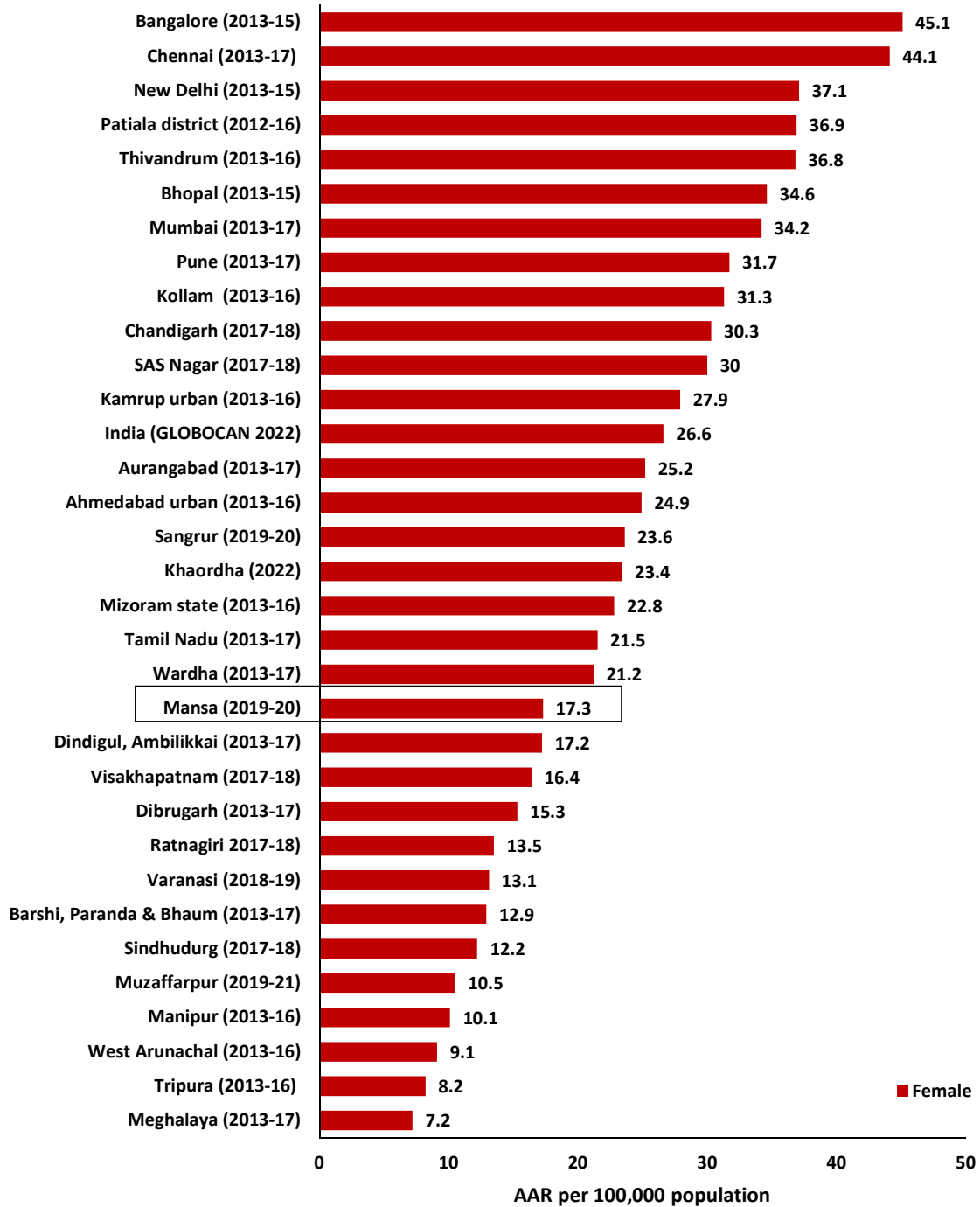
Figure 43: Age-adjusted incidence rate of Esophagus cancer



(References: 1-6, 15)

The breast cancer incidence rate is low in Mansa district as compared to other registries in India. The comparison of breast cancer rates is shown in Figure 44.

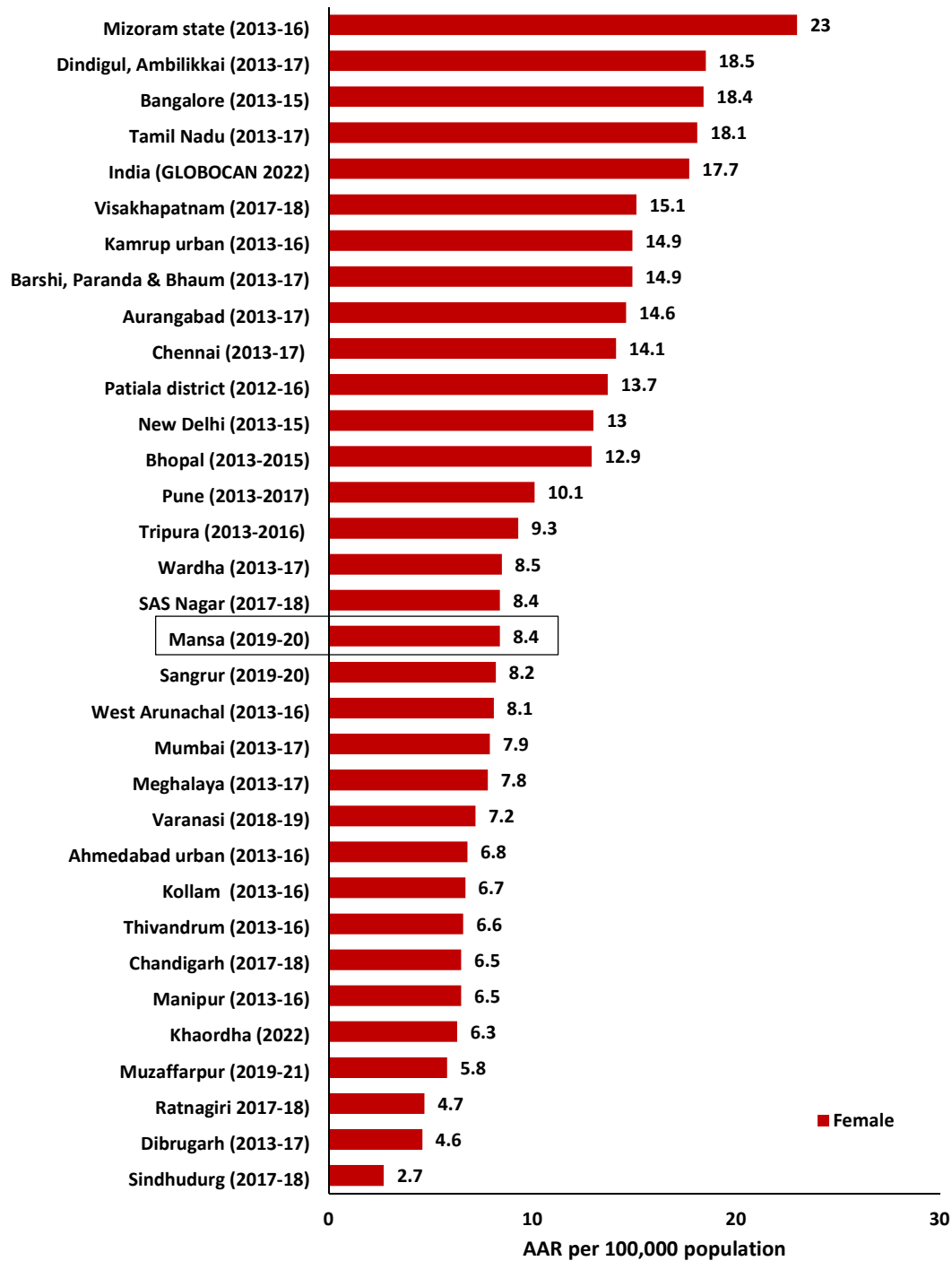
Figure 44: Age-adjusted incidence rate of breast cancer



(References: 1-6, 15)

The cervical cancer incidence rate is low in Mansa district with national average but higher in comparison to Mumbai, Varanasi registries. The comparison of cervical cancer rates is shown in Figure 45.

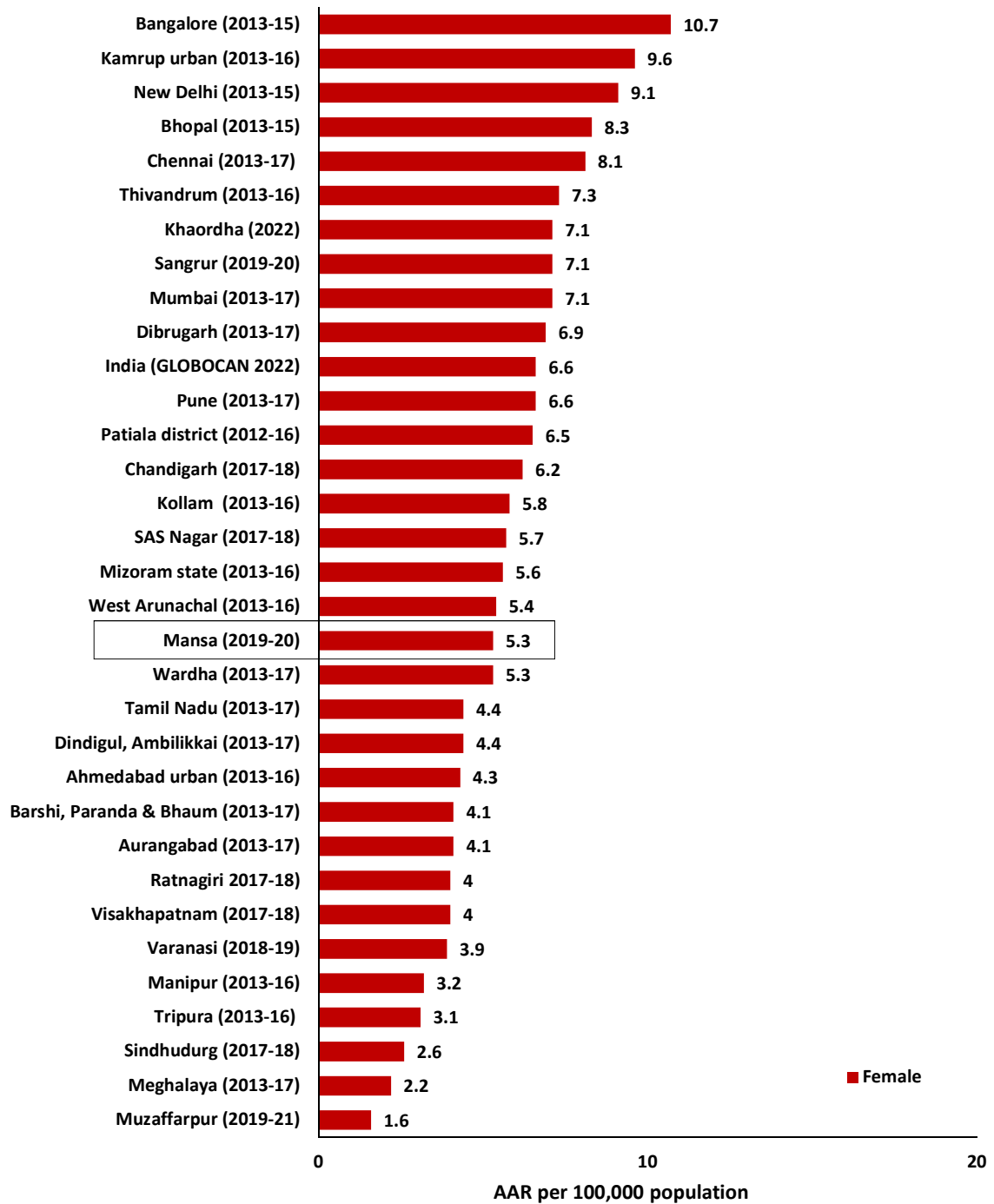
Figure 45: Age-adjusted incidence rate of cervical cancer



(References: 1-6, 15)

The ovarian cancer incidence rate is higher in Mansa district as compared to other registries. The comparison of ovarian cancer rates is shown in Figure 46.

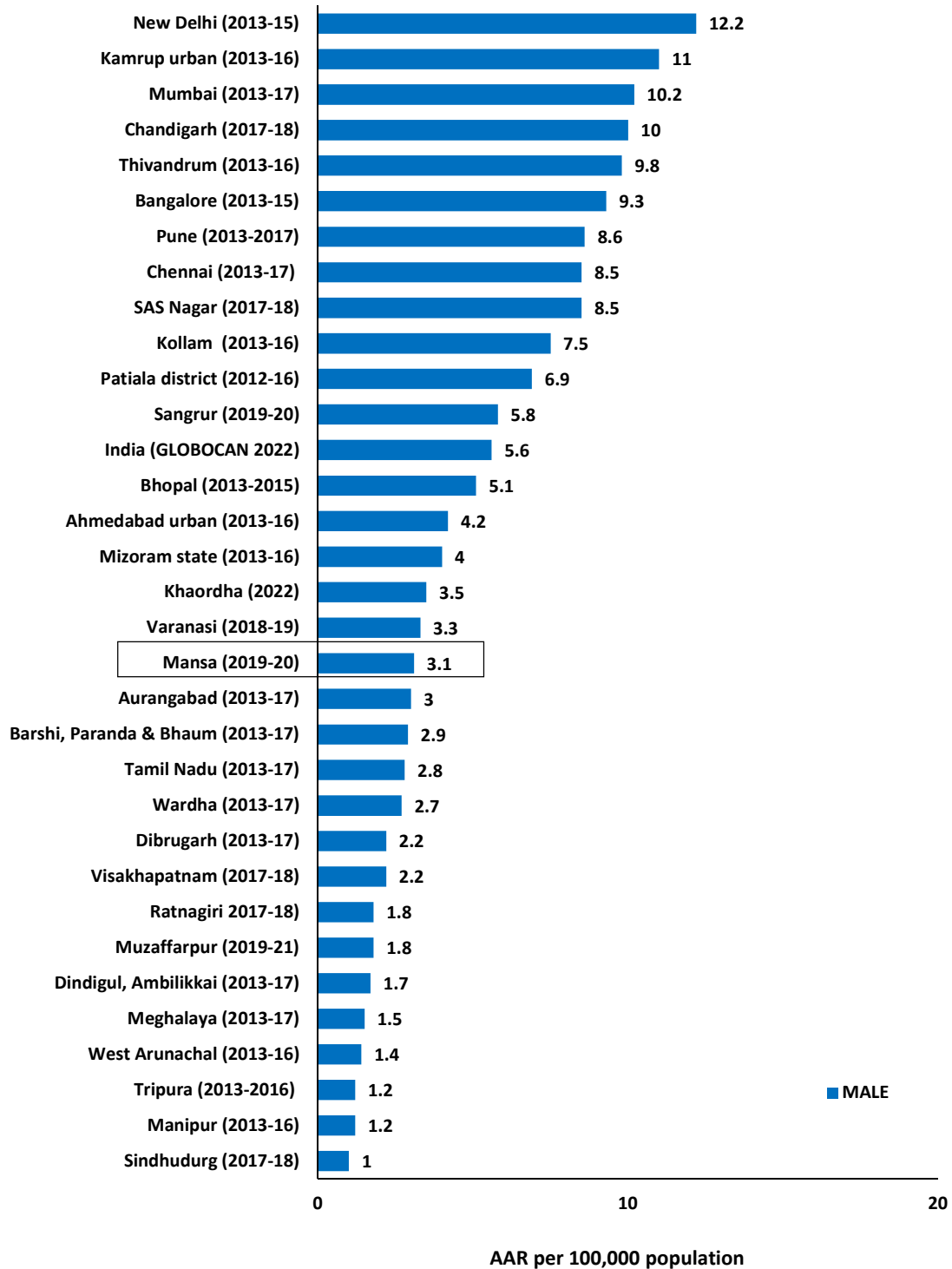
Figure 46: Age-adjusted incidence rate of ovarian cancer



(References: 1-6, 15)

The prostate cancer incidence rate is low in Mansa district as compared to other registries in India. The comparison of prostate cancer rates is shown in Figure 48.

Figure 48: Age-adjusted incidence rate of prostate cancer



(References: 1-5, 17)

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 the different hospitals, and meeting with the consultant for the data collection were completely stopped. 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 support 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 update their manual registers.

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

Severe impact in the number of cases registered and coverage by the field staff during this time period could be seen due to mis-diagnosis or under reporting of the cancer cases in the field.

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

19. Description of statistical term 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 Mansa district have been included.

Mortality: Cancer mortality is defined as the number of cancer deaths occurring in a defined population, in a defined geographic area, during a particular year(s) per 100,000 population. All cancer deaths between January 1, 2019, and December 31, 2020, in the Mansa 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.

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

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 25: Number of incidence cancers by five-year age groups and site (ICD 10): 2019-2020

Males Mansa 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+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C01-C02	Tongue	-	-	-	-	-	-	1	-	2	1	6	2	5	2	2	1	22	3.8
C03-C06	Mouth	-	-	-	-	-	-	1	1	2	3	4	5	4	4	6	2	32	5.5
C07-C08	Salivary glands	-	-	-	-	-	1	-	-	-	1	1	-	1	-	1	-	5	0.9
C09	Tonsil	-	-	-	-	-	-	-	-	-	2	1	-	3	4	1	1	12	2.1
C10	Other oropharynx	-	-	-	-	-	-	-	1	-	-	-	1	2	-	1	-	5	0.9
C11	Nasopharynx	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	3	0.5
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	2	-	-	3	4	-	10	1.7
C14	Pharynx unspecified	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2	0.3
C15	Esophagus	-	-	-	-	-	-	2	2	2	4	6	5	9	17	14	7	68	11.6
C16	Stomach	-	-	-	-	1	-	-	-	-	-	1	1	2	1	2	1	9	1.5
C17	Small intestine	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	3	0.5
C18	Colon	-	-	-	-	-	-	1	-	1	1	1	1	1	1	-	-	7	1.2
C19-C20	Rectum	-	-	-	-	-	1	-	-	2	-	2	1	1	1	2	1	11	1.9
C21	Anus	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	3	0.5
C22	Liver	-	-	-	-	1	-	1	-	2	3	12	13	7	7	16	8	70	12.0
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	1	1	-	1	3	4	6	2	18	3.1
C25	Pancreas	-	-	-	-	-	1	-	-	-	1	1	3	2	4	1	2	15	2.6
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	0.3
C32	Larynx	-	-	-	-	-	-	-	-	1	-	3	2	3	4	3	1	17	2.9
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	1	3	5	4	6	4	4	27	4.6
C37-C38	Other thoracic organs	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-	2	5	0.9
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.3
C44	Other skin	-	-	-	-	1	-	-	-	-	-	-	-	2	2	1	2	8	1.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1	-	-	-	1	-	1	-	1	-	1	1	-	-	6	1.0
C50	Breast	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1	2	6	1.0
C60	Penis	-	-	-	-	-	-	-	-	-	2	2	2	5	3	-	2	16	2.7
C61	Prostate	-	-	-	-	-	-	-	-	-	2	-	1	3	8	8	10	32	5.5
C62	Testis	-	-	-	-	1	1	1	1	1	-	-	-	-	1	-	-	6	1.0
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	1	-	1	4	3	5	1	15	2.6
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C66	Ureter	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C67	Bladder	-	-	-	-	-	-	-	-	-	1	-	2	3	3	1	2	12	2.1
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0.5
C70-C72	Brain, nervous system	3	3	-	3	1	-	1	3	2	2	4	5	2	2	2	-	33	5.6
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	1	-	1	1	1	-	-	-	-	-	-	4	0.7
C82-C86,C96	Non-Hodgkin lymphoma	-	1	-	-	1	-	2	-	-	1	-	3	2	2	2	2	15	2.6
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	3	0.5
C91	Lymphoid leukaemia	-	-	-	1	-	-	-	-	-	1	2	-	2	-	2	1	9	1.5
C92-C94	Myeloid leukaemia	-	1	-	1	2	1	-	-	-	2	2	1	4	1	1	-	16	2.7
C95	Leukaemia unspecified	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	0.5
O&U	Other and unspecified	-	-	-	1	-	2	-	-	3	3	3	4	6	10	9	4	45	7.7
Grand Total	All Sites	6	8	1	8	8	9	12	11	23	36	59	63	85	100	97	59	585	100.0

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

Table 26: Number of incidence cancers by five-year age groups and site (ICD 10): 2019-2020

Females Mansa 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	Mouth	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	4	8	1.2
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-13	Hypopharynx	-	-	-	-	-	-	-	-	3	-	1	3	1	1	-	-	9	1.4
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Esophagus	-	-	-	-	-	1	1	1	-	10	10	3	16	10	11	6	69	10.5
C16	Stomach	-	-	-	-	1	-	-	-	1	1	1	3	-	2	-	-	9	1.4
C17	Small intestine	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	3	0.5
C18	Colon	-	-	-	-	-	-	1	-	1	-	-	2	1	-	1	1	7	1.1
C19-C20	Rectum	-	-	-	-	1	-	-	1	-	-	1	-	3	-	-	2	8	1.2
C21	Anus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.2
C22	Liver	-	-	1	-	-	-	-	1	2	5	5	3	5	9	9	-	40	6.1
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	5	1	4	3	3	5	6	9	4	40	6.1
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	2	5	3	1	2	3	17	2.6
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.3
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	4	-	2	4	-	3	-	13	2.0
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	Bone	-	1	3	-	-	-	-	-	-	-	-	1	-	-	-	-	5	0.8
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	0.3
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	1	2	-	1	-	-	1	-	-	1	6	0.9
C50	Breast	-	-	-	-	1	1	7	14	19	15	24	21	16	18	6	7	149	22.7
C51	Vulva	-	-	-	-	-	-	-	-	-	-	1	-	-	2	2	-	5	0.8
C52	Vagina	-	-	-	-	-	-	-	-	2	-	1	1	-	-	-	-	4	0.6
C53	Cervix uteri	-	-	-	-	-	-	-	2	5	9	7	11	11	16	5	9	75	11.5
C54	Corpus uteri	-	-	-	-	1	-	-	-	1	2	3	-	1	1	1	1	11	1.7
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	3	3	-	8	1	-	-	1	0.2
C56	Ovary	-	-	-	-	1	2	-	2	5	6	9	5	6	3	2	5	46	7.0
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	2	2	4	1	-	2	11	1.7
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	8	1.2
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C70-72	Brain, nervous system	-	-	-	1	1	1	-	-	-	2	5	1	2	2	-	-	15	2.3
C73	Thyroid	-	-	-	-	1	2	-	1	1	1	-	1	4	1	-	1	13	2.0
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C81	Hodgkin disease	-	1	1	-	-	1	2	-	1	1	-	-	-	-	-	-	7	1.1
C82-85,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	-	-	-	1	2	-	-	1	1	4	10	1.5
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	3	0.5
C91	Lymphoid leukaemia	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	5	0.8
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	1	1	-	-	1	1	1	-	-	5	0.8
C95	Leukaemia unspecified	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	3	0.5
O&U	Other and unspecified	-	-	-	1	-	-	1	-	3	4	4	9	4	3	5	4	38	5.8
Grand Total	All Sites	4	5	5	2	7	10	14	30	51	67	83	77	93	85	62	60	655	100.0

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

**Table 27: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR)
Incidence Rate per 100,000 Population: 2019-2020– Males Mansa district**

ICD 10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C01-C02	-	-	-	-	-	-	1.6	-	3.4	1.8	14.9	7.0	13.1	5.7	9.7	4.4	2.5	2.4	6.0
C03-C06	-	-	-	-	-	-	1.6	1.7	3.4	5.5	10.0	17.5	10.5	11.5	29.1	8.9	3.7	3.5	7.3
C07-C08	-	-	-	-	-	1.4	-	-	-	1.8	2.5	-	2.6	-	4.8	-	0.6	0.5	1.1
C09	-	-	-	-	-	-	-	-	-	3.7	2.5	-	7.9	11.5	4.8	4.4	1.4	1.2	2.1
C10	-	-	-	-	-	-	-	1.7	-	-	-	3.5	5.3	-	4.8	-	0.6	0.5	1.5
C11	-	-	-	-	1.1	-	-	-	1.7	-	-	-	2.6	-	-	-	0.3	0.3	0.7
C12-C13	-	-	-	-	-	-	-	-	-	1.8	5.0	-	-	8.6	19.4	-	1.1	1.0	1.2
C14	-	-	-	-	-	-	-	1.7	-	-	2.5	-	-	-	-	-	0.2	0.2	0.7
C15	-	-	-	-	-	-	3.2	3.4	3.4	7.4	14.9	17.5	23.7	48.8	67.8	31.1	7.8	6.9	10.5
C16	-	-	-	-	1.1	-	-	-	-	-	2.5	3.5	5.3	2.9	9.7	4.4	1.0	0.9	1.5
C17	-	-	-	-	-	1.4	-	-	1.7	-	-	-	-	2.9	-	-	0.3	0.3	0.3
C18	-	-	-	-	-	-	1.6	-	1.7	1.8	2.5	3.5	2.6	2.9	-	-	0.8	0.8	1.9
C19-C20	-	-	-	-	-	1.4	-	-	3.4	-	5.0	3.5	2.6	2.9	9.7	4.4	1.3	1.2	2.2
C21	-	-	-	-	-	-	-	1.7	-	-	-	-	2.6	-	4.8	-	0.3	0.3	0.7
C22	-	-	-	-	1.1	-	1.6	-	3.4	5.5	29.9	45.6	18.4	20.1	77.5	35.6	8.0	7.6	14.8
C23-C24	-	-	-	-	-	-	-	-	1.7	1.8	-	3.5	7.9	11.5	29.1	8.9	2.1	1.8	2.2
C25	-	-	-	-	-	1.4	-	-	-	1.8	2.5	10.5	5.3	11.5	4.8	8.9	1.7	1.6	2.8
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	4.4	0.2	0.2	-
C32	-	-	-	-	-	-	-	-	1.7	-	7.5	7.0	7.9	11.5	14.5	4.4	1.9	1.8	3.5
C33-C34	-	-	-	-	-	-	-	-	-	1.8	7.5	17.5	10.5	17.2	19.4	17.8	3.1	2.9	5.2
C37-C38	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
C40-C41	-	-	-	1.0	-	-	1.6	-	-	-	-	-	2.6	-	-	8.9	0.6	0.5	0.3
C43	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	4.8	-	0.2	0.2	0.5
C44	-	-	-	-	1.1	-	-	-	-	-	-	-	5.3	5.7	4.8	8.9	0.9	0.7	0.7
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	1.3	-	-	-	1.6	-	1.7	-	2.5	-	2.6	2.9	-	-	0.7	0.6	1.1
C50	-	-	-	-	-	-	-	-	-	1.8	-	3.5	-	2.9	4.8	8.9	0.7	0.6	0.8
C60	-	-	-	-	-	-	-	-	-	3.7	5.0	7.0	13.1	8.6	-	8.9	1.8	1.7	4.1
C61	-	-	-	-	-	-	-	-	-	3.7	-	3.5	7.9	23.0	38.7	44.5	3.7	3.0	2.2
C62	-	-	-	-	1.1	1.4	1.6	1.7	1.7	-	-	-	-	2.9	-	-	0.7	0.6	0.7
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	1.8	-	3.5	10.5	8.6	24.2	4.4	1.7	1.5	2.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C66	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	0.1	0.1	0.4
C67	-	-	-	-	-	-	-	-	-	1.8	-	7.0	7.9	8.6	4.8	8.9	1.4	1.2	2.3
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	3.8	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.6	-
C70-C72	5.6	5.7	-	2.9	1.1	-	1.6	5.1	3.4	3.7	10.0	17.5	5.3	5.7	9.7	-	3.8	4.2	6.9
C73	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	0.1	0.1	0.5
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	1.4	-	1.7	1.7	1.8	-	-	-	-	-	-	0.5	0.4	1.0
C82-C86,C96	-	1.9	-	-	-	-	3.2	-	-	1.8	-	10.5	5.3	5.7	9.7	8.9	1.7	1.7	2.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	3.5	2.6	2.9	-	-	0.3	0.3	0.8
C91	-	-	-	1.0	-	-	-	-	-	1.8	5.0	-	5.3	-	9.7	4.4	1.0	0.9	1.8
C92-C94	-	1.9	-	1.0	2.2	1.4	-	-	-	3.7	5.0	3.5	10.5	2.9	4.8	-	1.8	1.8	3.3
C95	-	3.8	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.5	-
O&U	-	-	-	1.0	-	2.7	-	-	5.1	5.5	7.5	14.0	15.8	28.7	43.6	17.8	5.2	4.6	7.1
Grand Total	11.3	15.2	1.3	7.7	8.7	12.3	19.0	18.6	38.9	66.6	146.9	220.8	223.5	287.3	469.6	262.4	67.1	62.3	105.0

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

Table 28: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population: 2019-2020– Females Mansa district

ICD 10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	0.1	0.1	-
C01-C02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	-	-	-	-	-	-	-	-	1.8	-	-	-	2.2	7.2	-	16.1	1.0	0.7	0.6
C07-C08	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.3
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	0.1	0.1	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	0.1	0.1	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-13	-	-	-	-	-	-	-	-	5.3	-	2.9	10.3	2.2	3.6	-	-	1.2	1.1	3.1
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	1.5	1.7	1.7	-	20.9	28.8	10.3	34.7	36.1	64.5	24.2	9.0	7.7	14.8
C16	-	-	-	-	1.3	-	-	-	1.8	2.1	2.9	10.3	-	7.2	-	-	1.2	1.1	2.5
C17	-	-	-	-	-	-	-	-	1.8	-	-	-	-	3.6	5.9	-	0.4	0.3	0.3
C18	-	-	-	-	-	-	1.7	-	1.8	-	-	6.9	2.2	-	5.9	4.0	0.9	0.8	1.5
C19-C20	-	-	-	-	1.3	-	-	1.7	-	-	2.9	-	6.5	-	-	8.1	1.0	0.8	1.6
C21	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
C22	-	-	1.9	-	-	-	-	1.7	3.6	10.4	14.4	10.3	10.9	32.5	52.8	-	5.2	4.7	8.1
C23-C24	-	-	-	-	-	-	-	8.6	1.8	8.3	8.7	10.3	10.9	21.7	52.8	16.1	5.2	4.4	7.8
C25	-	-	-	-	-	-	-	-	1.8	-	5.8	17.2	6.5	3.6	11.7	12.1	2.2	1.9	4.3
C30-C31	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	0.1	0.1	0.4
C32	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	5.9	-	0.3	0.2	0.3
C33-C34	-	-	-	-	-	-	-	-	-	8.3	-	6.9	8.7	-	17.6	-	1.7	1.5	3.6
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	2.4	5.8	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.7	0.9	0.4
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	2.9	-	-	3.6	-	-	0.3	0.3	0.5
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	1.7	3.5	-	2.1	-	-	2.2	-	-	4.0	0.8	0.6	1.4
C50	-	-	-	-	1.3	1.5	11.9	24.2	33.8	31.3	69.2	72.3	34.7	65.1	35.2	28.2	19.5	17.3	42.3
C51	-	-	-	-	-	-	-	-	-	-	2.9	-	-	7.2	11.7	-	0.7	0.6	0.5
C52	-	-	-	-	-	-	-	-	3.6	-	2.9	3.4	-	-	-	-	0.5	0.5	1.6
C53	-	-	-	-	-	-	-	3.5	8.9	18.8	20.2	37.9	23.9	57.8	29.3	36.2	9.8	8.4	17.3
C54	-	-	-	-	1.3	-	-	-	1.8	4.2	8.7	-	2.2	3.6	5.9	4.0	1.4	1.3	2.8
C55	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	0.1	0.1	0.3
C56	-	-	-	-	1.3	3.0	-	3.5	8.9	12.5	26.0	17.2	13.0	10.8	11.7	20.1	6.0	5.3	12.9
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	5.8	6.9	8.7	3.6	-	8.1	1.4	1.2	2.9
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	2.2	7.2	11.7	12.1	1.0	0.8	0.3
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
C70-72	-	-	-	1.3	1.3	1.5	-	-	-	4.2	14.4	3.4	4.3	7.2	-	-	2.0	1.8	4.1
C73	-	-	-	-	1.3	3.0	-	1.7	1.8	2.1	-	3.4	8.7	3.6	-	4.0	1.7	1.4	2.6
C74	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
C81	-	2.4	1.9	-	-	1.5	3.4	-	1.8	2.1	-	-	-	-	-	-	0.9	1.0	0.7
C82-85,C96	-	-	-	-	-	1.5	-	-	-	2.1	5.8	-	-	3.6	5.9	16.1	1.3	1.1	1.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	2.9	-	4.3	-	-	-	0.4	0.3	1.0
C91	2.0	4.8	-	-	-	-	-	-	-	-	-	-	-	-	5.9	4.0	0.7	0.9	-
C92-C94	-	-	-	-	-	-	-	1.7	1.8	-	-	3.4	2.2	3.6	-	-	0.7	0.5	1.4
C95	2.0	2.4	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	0.4	0.6	-
O&U	-	-	-	1.3	-	-	1.7	-	5.3	8.3	11.5	31.0	8.7	10.8	29.3	16.1	5.0	4.4	9.6
Grand Total	8.1	12.0	9.6	2.6	8.9	15.1	23.8	51.9	90.8	139.8	239.4	265.0	202.0	307.2	363.5	241.6	85.7	75.5	153.6

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

Table 29: 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	-	-	0.0001	0.0001
C01-C02	Tongue	0.0021	0.0021	0.0029	0.0029
C03-C06	Mouth	0.0025	0.0025	0.0045	0.0045
C07-C08	Salivary glands	0.0004	0.0004	0.0007	0.0007
C09	Tonsil	0.0007	0.0007	0.0015	0.0015
C10	Other oropharynx	0.0005	0.0005	0.0008	0.0008
C11	Nasopharynx	0.0003	0.0003	0.0003	0.0003
C12-C13	Hypopharynx	0.0003	0.0003	0.0017	0.0017
C14	Pharynx unspecified	0.0002	0.0002	0.0002	0.0002
C15	Oesophagus	0.0037	0.0037	0.0095	0.0095
C16	Stomach	0.0006	0.0006	0.0012	0.0012
C17	Small intestine	0.0002	0.0002	0.0003	0.0003
C18	Colon	0.0007	0.0007	0.0008	0.0008
C19-C20	Rectum	0.0008	0.0008	0.0014	0.0014
C21	Anus	0.0002	0.0002	0.0005	0.0005
C22	Liver	0.0053	0.0053	0.0102	0.0101
C23-C24	Gallbladder etc.	0.0007	0.0007	0.0028	0.0028
C25	Pancreas	0.0011	0.0011	0.0019	0.0019
C30-C31	Nose, sinuses etc.	-	-	0.0001	0.0001
C32	Larynx	0.0012	0.0012	0.0025	0.0025
C33-C34	Trachea, bronchus and lung	0.0019	0.0019	0.0037	0.0037
C37-C38	Other thoracic organs	0.0001	0.0001	0.0001	0.0001
C40-C41	Bone	0.0003	0.0003	0.0003	0.0003
C43	Melanoma of skin	0.0002	0.0002	0.0004	0.0004
C44	Other skin	0.0003	0.0003	0.0008	0.0008
C45	Mesothelioma	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-
C47,C49	Connective and soft tissue	0.0005	0.0005	0.0006	0.0006
C50	Breast	0.0003	0.0003	0.0007	0.0007
C60	Penis	0.0014	0.0014	0.0019	0.0019
C61	Prostate	0.0008	0.0008	0.0038	0.0038
C62	Testis	0.0004	0.0004	0.0005	0.0005
C63	Other male genital organs	-	-	-	-
C64	Kidney	0.0008	0.0008	0.0024	0.0024
C65	Renal pelvis	-	-	0.0001	0.0001
C66	Ureter	0.0001	0.0001	0.0001	0.0001
C67	Bladder	0.0008	0.0008	0.0015	0.0015
C68	Other urinary organs	-	-	-	-
C69	Eye	0.0003	0.0003	0.0003	0.0003
C70-C72	Brain, nervous system	0.0031	0.0031	0.0039	0.0039
C73	Thyroid	0.0002	0.0002	0.0002	0.0002
C74	Adrenal gland	-	-	-	-
C81	Hodgkin disease	0.0003	0.0003	0.0003	0.0003
C82-C86,C96	Non-Hodgkin lymphoma	0.0011	0.0011	0.0019	0.0019
C88	Immunoproliferative diseases	-	-	-	-
C90	Multiple myeloma	0.0003	0.0003	0.0005	0.0005
C91	Lymphoid leukaemia	0.0007	0.0007	0.0011	0.0011
C92-C94	Myeloid leukaemia	0.0015	0.0015	0.0018	0.0018
C95	Leukaemia unspecified	0.0002	0.0002	0.0002	0.0002
O&U	Other and unspecified	0.0026	0.0026	0.0062	0.0062
All Sites		0.0395	0.0388	0.0774	0.0745

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

Table 30: 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

ICD10	Site	Cum Rate (0-64)	Cum Risk (0-64)	Cum Rate (0-74)	Cum Risk (0-74)
C00	Lip	-	-	-	-
C01-C02	Tongue	-	-	-	-
C03-C06	Mouth	0.0002	0.0002	0.0006	0.0006
C07-C08	Salivary glands	0.0001	0.0001	0.0001	0.0001
C09	Tonsil	-	-	0.0002	0.0002
C10	Other oropharynx	-	-	-	-
C11	Nasopharynx	-	-	-	-
C12-13	Hypopharynx	0.0010	0.0010	0.0012	0.0012
C14	Pharynx unspecified	-	-	-	-
C15	Oesophagus	0.0050	0.0050	0.0100	0.0100
C16	Stomach	0.0009	0.0009	0.0013	0.0013
C17	Small intestine	0.0001	0.0001	0.0006	0.0006
C18	Colon	0.0006	0.0006	0.0009	0.0009
C19-C20	Rectum	0.0006	0.0006	0.0006	0.0006
C21	Anus	0.0001	0.0001	0.0001	0.0001
C22	Liver	0.0027	0.0027	0.0069	0.0069
C23-C24	Gallbladder etc.	0.0024	0.0024	0.0062	0.0061
C25	Pancreas	0.0016	0.0016	0.0023	0.0023
C30-C31	Nose, sinuses etc.	0.0001	0.0001	0.0001	0.0001
C32	Larynx	0.0001	0.0001	0.0004	0.0004
C33-C34	Trachea, bronchus and lung	0.0012	0.0012	0.0021	0.0021
C37-38	Other thoracic organs	-	-	-	-
C40-41	Bone	0.0006	0.0006	0.0006	0.0006
C43	Melanoma of skin	-	-	-	-
C44	Other skin	0.0001	0.0001	0.0003	0.0003
C45	Mesothelioma	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-
C47,C49	Connective and soft tissue	0.0005	0.0005	0.0005	0.0005
C50	Breast	0.0140	0.0139	0.0190	0.0188
C51	Vulva	0.0001	0.0001	0.0011	0.0011
C52	Vagina	0.0005	0.0005	0.0005	0.0005
C53	Cervix uteri	0.0057	0.0056	0.0100	0.0100
C54	Corpus uteri	0.0009	0.0009	0.0014	0.0014
C55	Uterus unspecified	0.0001	0.0001	0.0001	0.0001
C56	Ovary	0.0043	0.0043	0.0054	0.0054
C57	Other female genital organs	-	-	-	-
C58	Placenta	-	-	-	-
C64	Kidney	0.0011	0.0011	0.0012	0.0012
C65	Renal pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.0001	0.0001	0.0011	0.0011
C68	Other urinary organs	-	-	-	-
C69	Eye	0.0001	0.0001	0.0001	0.0001
C70-72	Brain, nervous system	0.0015	0.0015	0.0019	0.0019
C73	Thyroid	0.0011	0.0011	0.0013	0.0013
C74	Adrenal gland	0.0001	0.0001	0.0001	0.0001
C81	Hodgkin disease	0.0007	0.0007	0.0007	0.0007
C82-85,C96	Non-Hodgkin lymphoma	0.0005	0.0005	0.0009	0.0009
C88	Immunoproliferative diseases	-	-	-	-
C90	Multiple myeloma	0.0004	0.0004	0.0004	0.0004
C91	Lymphoid leukaemia	0.0003	0.0003	0.0006	0.0006
C92-C94	Myeloid leukaemia	0.0005	0.0005	0.0006	0.0006
C95	Leukaemia unspecified	0.0003	0.0003	0.0003	0.0003
O&U	Other and unspecified	0.0034	0.0034	0.0054	0.0054
	All Sites	0.0535	0.0521	0.0870	0.0833

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

**Table 31: Number (#) and Proportion (%) of cancers by site (ICD -10) and method of diagnosis:
2019-2020– Males Mansa district**

Row Labels	Site	DCO		Clinical		Radiology		Tumour Marker		Microscopic		Other		Grand Total	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
C00	Lip	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C01-C02	Tongue	-	-	4	18.2	1	4.5	-	-	17	77.3	-	-	22	100
C03-C06	Mouth	4	12.5	7	21.9	1	3.1	-	-	20	62.5	-	-	32	100
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	5	100.0	-	-	5	100
C09	Tonsil	-	-	2	16.7	-	-	-	-	10	83.3	-	-	12	100
C10	Other oropharynx	-	-	-	-	-	-	-	-	5	100.0	-	-	5	100
C11	Nasopharynx	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	10	100.0	-	-	10	100
C14	Pharynx unspecified	1	50.0	-	-	-	-	-	-	1	50.0	-	-	2	100
C15	Oesophagus	14	20.6	9	13.2	5	7.4	-	-	39	57.4	1	1.5	68	100
C16	Stomach	-	-	2	22.2	1	11.1	-	-	6	66.7	-	-	9	100
C17	Small intestine	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C18	Colon	-	-	-	-	-	-	-	-	7	100.0	-	-	7	100
C19-C20	Rectum	-	-	2	18.2	1	9.1	-	-	8	72.7	-	-	11	100
C21	Anus	1	33.3	1	33.3	-	-	-	-	1	33.3	-	-	3	100
C22	Liver	11	15.7	9	12.9	22	31.4	-	-	28	40.0	-	-	70	100
C23-C24	Gallbladder etc.	2	11.1	3	16.7	2	11.1	-	-	11	61.1	-	-	18	100
C25	Pancreas	-	-	4	26.7	4	26.7	-	-	7	46.7	-	-	15	100
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	2	100.0	-	-	2	100
C32	Larynx	-	-	3	17.6	1	5.9	-	-	13	76.5	-	-	17	100
C33-C34	Trachea, bronchus and lung	3	11.1	4	14.8	1	3.7	-	-	19	70.4	-	-	27	100
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C40-C41	Bone	2	40.0	-	-	-	-	-	-	3	60.0	-	-	5	100
C43	Melanoma of skin	-	-	-	-	-	-	-	-	2	100.0	-	-	2	100
C44	Other skin	-	-	1	12.5	-	-	-	-	7	87.5	-	-	8	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	-	6	100.0	-	-	6	100
C50	Breast	-	-	-	-	-	-	-	-	6	100.0	-	-	6	100
C60	Penis	-	-	2	12.5	-	-	-	-	14	87.5	-	-	16	100
C61	Prostate	4	12.5	7	21.9	1	3.1	-	-	20	62.5	-	-	32	100
C62	Testis	-	-	-	-	1	16.7	-	-	5	83.3	-	-	6	100
C68	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	2	13.3	-	-	5	33.3	-	-	8	53.3	-	-	15	100
C65	Renal pelvis	-	-	1	100.0	-	-	-	-	-	-	-	-	1	100
C66	Ureter	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C67	Bladder	1	8.3	2	16.7	1	8.3	-	-	7	58.3	1	8.3	12	100
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C70-C72	Brain, nervous system	6	18.2	1	3.0	9	27.3	-	-	17	51.5	-	-	33	100
C73	Thyroid	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	4	100.0	-	-	4	100
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	15	100.0	-	-	15	100
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	9	100.0	-	-	9	100
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	16	100.0	-	-	16	100
O&U	Other and unspecified	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
Grand Total		19	42.2	4	8.9	5	11.1	1	2.2	15	33.3	1	2.2	45	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 notes, and DCO # 1 case of specific cases tumor marker

**Table 32: Number (#) and Proportion (%) of cancers by the site (ICD -10) and method of diagnosis: 2019-2020– Females
Manisa district**

ICD10	Site	DCO		Clinical		Radiology		Tumour Marker		Microscopic		Other		Grand Total	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
C00	Lip	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	Mouth	-	-	2	25.0	-	-	-	-	6	75.0	-	-	8	100
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C09	Tonsil	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C10	Other oropharynx	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	9	100.0	-	-	9	100
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	11	15.9	10	14.5	4	5.8	-	-	44	63.8	-	-	69	100
C16	Stomach	3	33.3	-	-	-	-	-	-	6	66.7	-	-	9	100
C17	Small intestine	-	-	1	33.3	-	-	-	-	2	66.7	-	-	3	100
C18	Colon	1	14.3	1	14.3	-	-	-	-	5	71.4	-	-	7	100
C19-C20	Rectum	3	37.5	2	25.0	1	12.5	-	-	2	25.0	-	-	8	100
C21	Anus	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C22	Liver	6	15.0	5	12.5	18	45.0	-	-	11	27.5	-	-	40	100
C23-C24	Gallbladder etc.	6	15.0	6	15.0	6	15.0	-	-	22	55.0	-	-	40	100
C25	Pancreas	1	5.9	4	23.5	5	29.4	-	-	7	41.2	-	-	17	100
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C32	Larynx	-	-	-	-	-	-	-	-	2	100.0	-	-	2	100
C33-C34	Trachea, bronchus and lung	2	15.4	1	7.7	1	7.7	-	-	9	69.2	-	-	13	100
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	1	20.0	-	-	1	20.0	-	-	3	60.0	-	-	5	100
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	2	100.0	-	-	2	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	1	16.7	-	-	5	83.3	-	-	6	100
C50	Breast	2	1.3	15	10.0	1	0.7	-	-	130	86.7	2	1.3	150	100
C51	Vulva	-	-	1	20.0	-	-	-	-	4	80.0	-	-	5	100
C52	Vagina	-	-	1	25.0	-	-	-	-	3	75.0	-	-	4	100
C53	Cervix uteri	7	9.5	13	17.6	-	-	-	-	54	73.0	-	-	74	100
C54	Corpus uteri	-	-	1	9.1	-	-	-	-	10	90.9	-	-	11	100
C55	Uterus unspecified	1	100.0	-	-	-	-	-	-	-	-	-	-	1	100
C56	Ovary	-	-	7	15.2	2	4.3	-	-	37	80.4	-	-	46	100
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	1	9.1	1	9.1	3	27.3	-	-	6	54.5	-	-	11	100
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	4	50.0	-	-	-	-	4	50.0	-	-	8	100
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	1	100.0	-	-	1	-
C70-C72	Brain, nervous system	2	13.3	-	-	8	53.3	-	-	5	33.3	-	-	15	100
C73	Thyroid	-	-	1	7.7	-	-	-	-	12	92.3	-	-	13	100
C74	Adrenal gland	-	-	-	-	-	-	-	-	1	100.0	-	-	1	100
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	7	100.0	-	-	7	100
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	10	100.0	-	-	10	100
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	5	100.0	-	-	5	100
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	5	100.0	-	-	5	100
O&U	Other and unspecified	-	-	-	-	-	-	-	-	3	100.0	-	-	3	100
Total	All Sites	14	36.8	7	18.4	1	2.6	-	-	16	42.1	-	-	38	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 notes, and DCO # 1 case of specific cases tumor marker

Table 33: Number of cancer deaths by five-year age groups and site (ICD 10): 2019-2020
Males Mansa 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	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.4
C01-C02	Tongue	-	-	-	-	-	-	-	-	1	2	6	1	5	2	-	2	19	3.9
C03-C06	Mouth	-	-	-	-	-	-	1	1	1	3	1	5	2	3	3	2	22	4.5
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2	1	7	1.4
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	-	7	1.4
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	3	-	2	5	2	1	13	2.7
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C15	Oesophagus	-	-	-	-	-	-	2	2	-	4	4	4	6	12	12	6	52	10.7
C16	Stomach	-	-	-	-	-	-	-	-	-	1	1	1	2	1	1	-	7	1.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C18	Colon	-	-	-	-	-	-	-	-	3	-	-	1	2	-	-	-	6	1.2
C19-C20	Rectum	-	-	-	-	-	2	1	1	-	-	1	-	1	1	-	-	7	1.4
C21	Anus	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	1	5	1.0
C22	Liver	-	-	-	-	-	-	1	-	2	3	8	9	8	8	12	7	58	12.0
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	1	1	-	-	1	6	6	2	17	3.5
C25	Pancreas	-	-	-	-	-	1	-	-	-	2	1	2	2	3	1	2	14	2.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	1	-	1	4	-	3	5	1	-	15	3.1
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1	-	1	2	4	5	4	5	4	2	28	5.8
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	3	0.6
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.2
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	4	0.8
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1	-	-	1	-	-	1	-	-	-	1	-	-	-	4	0.8
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C60	Penis	-	-	-	-	-	-	-	1	-	-	1	3	4	1	1	4	15	3.1
C61	Prostate	-	-	-	-	-	-	-	-	-	1	-	-	4	9	6	5	25	5.2
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	1	-	-	-	1	-	-	2	2	2	1	9	1.9
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C66	Ureter	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C67	Bladder	-	-	-	-	-	-	-	-	1	-	-	1	3	4	3	1	13	2.7
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	3	1	-	2	-	-	-	1	3	4	4	5	5	2	2	2	34	7.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	-	-	-	-	-	-	2	2	2	1	8	-
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	4	-
C91	Lymphoid leukaemia	1	-	1	1	-	-	-	-	-	1	3	1	1	1	1	-	11	0.8
C92-C94	Myeloid leukaemia	-	1	-	1	1	1	-	-	1	2	1	-	2	2	3	-	15	2.3
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1
O&U	Other and unspecified	-	-	-	-	-	-	-	-	2	2	2	7	10	10	9	8	50	-
	All Sites	4	2	2	4	1	7	7	8	18	31	49	48	79	96	77	51	484	100

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

Table 34: Number of cancer deaths by five-year age groups and site (ICD 10): 2019-2020
Females Mansa district

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-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.5
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	3	0.7
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	2	-	2	1	-	-	-	-	5	1.2
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	1	7	7	3	9	10	11	3	53	12.2
C16	Stomach	-	-	-	-	1	-	-	-	-	-	1	2	1	1	-	-	6	1.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.5
C18	Colon	-	-	-	-	-	-	-	-	-	1	-	-	3	1	-	-	5	1.2
C19-C20	Rectum	-	-	-	-	1	-	-	1	-	-	-	-	1	1	-	-	4	0.9
C21	Anus	-	-	-	-	-	1	-	-	-	-	1	-	2	-	-	-	4	0.9
C22	Liver	-	-	1	-	-	-	-	1	-	3	3	2	6	6	6	2	30	6.9
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	3	-	2	4	4	7	8	9	5	42	9.7
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	4	3	1	1	3	12	2.8
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.5
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	1	3	-	3	3	2	1	-	13	3.0
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	0.5
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-	1	5	1.2
C50	Breast	-	-	-	-	-	1	3	1	4	4	13	9	10	6	5	8	64	14.8
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	4	0.9
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C53	Cervix uteri	-	-	-	-	-	-	2	1	3	4	7	5	8	11	8	6	55	12.7
C54	Corpus uteri	-	-	-	-	1	-	-	-	-	-	1	2	1	-	1	-	6	1.4
C55	Uterus unspecified	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	0.5
C56	Ovary	-	-	-	-	-	-	-	-	4	7	4	6	6	5	1	2	35	8.1
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	4	0.9
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	0.5
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	-	-	-	1	-	-	-	-	-	2	2	1	1	1	-	-	8	1.8
C73	Thyroid	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	1	4	0.9
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	1	-	2	-	-	1	1	-	6	1.4
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C92-C94	Myeloid leukaemia	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	5	1.2
C95	Leukaemia unspecified	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
O&U	Other and unspecified	-	-	-	1	-	-	-	-	2	5	7	7	5	5	3	5	40	9.2
All Sites		1	1	1	2	3	2	6	10	21	40	58	52	77	65	51	43	433	100

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

Table 35: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Mortality Rate per 100,000 population: 2019-2020– Males Mansa 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	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	-	0.2	0.2	0.7
C01-C02	Tongue	-	-	-	-	-	-	-	-	1.7	3.7	14.9	3.5	13.1	5.7	-	8.9	2.2	2.1	5.6
C03-C06	Mouth	-	-	-	-	-	-	1.6	1.7	1.7	5.5	2.5	17.5	5.3	8.6	14.5	8.9	2.5	2.4	5.1
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1.7	-	2.5	-	-	-	-	-	0.2	0.2	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	2.5	3.5	-	5.7	9.7	4.4	0.8	0.7	0.9
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	1.8	5.0	3.5	2.6	2.9	4.8	-	0.8	0.8	2.0
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	7.5	-	5.3	14.4	9.7	4.4	1.5	1.3	1.9
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C15	Oesophagus	-	-	-	-	-	-	3.2	3.4	-	7.4	10.0	14.0	15.8	34.5	58.1	26.7	6.0	5.3	7.5
C16	Stomach	-	-	-	-	-	-	-	-	-	1.8	2.5	3.5	5.3	2.9	4.8	-	0.8	0.8	1.9
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C18	Colon	-	-	-	-	-	-	-	-	5.1	-	-	3.5	5.3	-	-	-	0.7	0.7	2.1
C19-C20	Rectum	-	-	-	-	-	2.7	1.6	1.7	-	-	2.5	-	2.6	2.9	-	-	0.8	0.7	1.1
C21	Anus	-	-	-	-	-	-	-	1.7	-	-	-	-	2.6	2.9	4.8	4.4	0.6	0.5	0.7
C22	Liver	-	-	-	-	-	-	1.6	-	3.4	5.5	19.9	31.5	21.0	23.0	58.1	31.1	6.6	6.2	11.7
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	1.7	1.8	-	-	2.6	17.2	29.1	8.9	1.9	1.6	1.0
C25	Pancreas	-	-	-	-	-	1.4	-	-	-	3.7	2.5	7.0	5.3	8.6	4.8	8.9	1.6	1.5	2.7
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C32	Larynx	-	-	-	-	-	-	-	1.7	-	1.8	10.0	-	7.9	14.4	4.8	-	1.7	1.6	3.3
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1.6	-	1.7	3.7	10.0	17.5	10.5	14.4	19.4	8.9	3.2	3.0	6.3
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	8.9	0.3	0.3	-
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	0.1	0.1	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	2.6	5.7	-	4.4	0.5	0.4	0.3
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1.3	-	-	1.4	-	-	1.7	-	-	-	2.6	-	-	-	0.5	0.4	0.7
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	0.1	0.1	0.3
C60	Penis	-	-	-	-	-	-	-	1.7	-	-	2.5	10.5	10.5	2.9	4.8	17.8	1.7	1.6	3.4
C61	Prostate	-	-	-	-	-	-	-	-	-	1.8	-	-	10.5	25.9	29.1	22.2	2.9	2.3	1.7
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	1.4	-	-	-	1.8	-	-	5.3	5.7	9.7	4.4	1.0	0.9	1.0
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	0.1	0.1	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	0.1	0.1	0.4
C67	Bladder	-	-	-	-	-	-	-	-	1.7	-	-	3.5	7.9	11.5	14.5	4.4	1.5	1.3	1.8
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	5.6	1.9	-	1.9	-	-	-	1.7	5.1	7.4	10.0	17.5	13.1	5.7	9.7	8.9	3.9	4.2	8.3
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1.4	-	-	-	-	-	-	5.3	5.7	9.7	4.4	0.9	0.8	0.7
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	3.5	2.6	2.9	4.8	-	0.5	0.4	0.8
C91	Lymphoid leukaemia	1.9	-	1.3	1.0	-	-	-	-	-	1.8	7.5	3.5	2.6	2.9	4.8	-	1.3	1.3	2.4
C92-C94	Myeloid leukaemia	-	1.9	-	1.0	1.1	1.4	-	-	1.7	3.7	2.5	-	5.3	5.7	14.5	-	1.7	1.6	2.1
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	Other and unspecified	-	-	-	-	-	-	-	-	3.4	3.7	5.0	24.5	26.3	28.7	43.6	35.6	5.7	5.2	8.7
O&U Grand Total	All Sites	7.5	3.8	2.6	3.9	1.1	9.6	11.1	13.5	30.5	57.3	122.0	168.2	207.7	275.8	372.8	226.8	55.5	50.9	87.8

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

Table 36: Average annual Age Specific, Crude (CR), Age-Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Mortality Rate per 100,000 Population: 2019-2020– Females Mansa district

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+	CR	AAR	TR
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	5.9	-	0.3	0.2	0.3
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	2.2	3.6	-	4.0	0.4	0.3	0.3
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	0.1	0.1	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	0.1	0.1	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	3.6	-	5.8	3.4	-	-	-	-	0.7	0.6	2.1
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1.7	1.7	1.8	14.6	20.2	10.3	19.5	36.1	64.5	12.1	6.9	6.0	10.6
C16	Stomach	-	-	-	-	1.3	-	-	-	-	-	2.9	6.9	2.2	3.6	-	-	0.8	0.7	1.6
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	4.0	0.3	0.2	-
C18	Colon	-	-	-	-	-	-	-	-	-	2.1	-	-	6.5	3.6	-	-	0.7	0.5	1.2
C19-C20	Rectum	-	-	-	-	1.3	-	-	1.7	-	-	-	-	2.2	3.6	-	-	0.5	0.4	0.6
C21	Anus	-	-	-	-	-	1.5	-	-	-	-	2.9	-	4.3	-	-	-	0.5	0.4	1.0
C22	Liver	-	-	1.9	-	-	-	-	1.7	-	6.3	8.7	6.9	13.0	21.7	35.2	8.1	3.9	3.4	5.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	5.2	-	4.2	11.5	13.8	15.2	28.9	52.8	20.1	5.5	4.6	7.4
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	13.8	6.5	3.6	5.9	12.1	1.6	1.3	2.6
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	5.9	-	0.3	0.2	0.3
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	1.8	6.3	-	10.3	6.5	7.2	5.9	-	1.7	1.5	3.7
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	0.1	0.1	0.5
C40-C41	Bone	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	0.1	0.1	0.3
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	1.7	-	-	-	-	-	3.6	-	-	0.3	0.2	0.3
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	1.7	-	-	-	-	6.5	-	-	4.0	0.7	0.4	1.2
C50	Breast	-	-	-	-	-	1.5	5.1	1.7	7.1	8.3	37.5	31.0	21.7	21.7	29.3	32.2	8.4	7.3	16.2
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	2.2	3.6	5.9	4.0	0.5	0.4	0.3
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	0.1	0.1	0.4
C53	Cervix uteri	-	-	-	-	-	-	3.4	1.7	5.3	8.3	20.2	17.2	17.4	39.8	46.9	24.2	7.2	6.1	10.7
C54	Corpus uteri	-	-	-	-	1.3	-	-	-	-	-	2.9	6.9	2.2	-	5.9	-	0.8	0.7	1.6
C55	Uterus unspecified	-	-	-	-	-	-	-	-	1.8	-	-	-	2.2	-	-	-	0.3	0.2	0.6
C56	Ovary	-	-	-	-	-	-	-	-	7.1	14.6	11.5	20.7	13.0	18.1	5.9	8.1	4.6	4.0	10.4
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	2.1	5.8	3.4	-	-	-	-	0.5	0.6	1.8
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	4.0	0.3	0.2	-
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	-	-	-	1.3	-	-	-	-	-	4.2	5.8	3.4	2.2	3.6	-	-	1.0	1.0	2.5
C73	Thyroid	-	-	-	-	-	-	-	-	-	2.1	-	-	4.3	-	-	4.0	0.5	0.4	1.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	0.1	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	1.8	-	5.8	-	-	3.6	5.9	-	0.8	0.6	1.3
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	0.1	0.1	0.3
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	0.1	0.1	-
C92-C94	Myeloid leukaemia	-	2.4	-	-	-	-	-	-	-	-	2.9	3.4	2.2	3.6	-	-	0.7	0.7	1.2
C95	Leukaemia unspecified	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	-
O&U	Other and unspecified	-	-	-	1.3	-	-	-	-	3.6	10.4	20.2	24.1	10.9	18.1	17.6	20.1	5.2	4.7	10.5
	All Sites	2.0	2.4	1.9	2.6	3.8	3.0	10.2	17.3	37.4	83.5	167.3	179.0	167.2	235.0	299.0	173.2	56.7	49.0	98.4

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

ICCC	Site	0-4	5-9	10-14	15-19	0-14	0-19	Percentage (0-14)		Percentage (0-19)		Age-specific rate per 1,000,000				AAR		Cumulative		MV %	DC O %
								All	Group	All	Group	0-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19	0-19	0-19
I	LEUKAEMIA	2	6		3	8	11	27.6	100	28.2	100	19.5	63.7	-	16.7	21.8	25.5	2405	2004	100	0.0
a.	Lymphoid	1	2	-	1	3	4	10.3	37.5	10.3	36.4	9.8	21.2	-	5.6	8.2	9.5	6457	5476	100	0.0
b.	Acute myeloid	-	1	-	-	1	1	3.4	12.5	2.6	9.1	-	10.6	-	-	2.7	2.7	18853	18853	100	0.0
c.	CMD	-	-	-	1	-	1	-	-	2.6	9.1	-	-	-	5.6	-	1.2	-	36033	100	0.0
d.	MDS & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	1	3	-	1	4	5	13.8	50.0	12.8	45.5	9.8	31.8	-	5.6	10.9	12.1	4810	4243	100	0.0
II	LYMPHOMA & RELATED	-	2	1	-	3	3	10.3	100	7.7	100.0	-	21.2	7.7	-	7.0	7.0	6907	6907	100	0.0
a.	Hodgkin	-	1	1	-	2	2	6.9	66.7	5.1	66.7	-	10.6	7.7	-	4.4	4.4	10901	10901	100	0.0
b.	Non-Hodgkin except BL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Burkitt (BL)	-	1	-	-	1	1	3.4	33.3	2.6	33.3	-	10.6	-	-	2.7	2.7	18853	18853	100	0.0
d.	Lymphoreticular	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	CNS NEOPLASMS	2	3		4	5	9	17.2	100.0	23.1	100.0	19.5	31.8	-	22.2	13.8	18.8	3895	2720	100	0.0
a.	Ependymoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Astrocytoma	1	-	-	-	1	1	3.4	20.0	2.6	11.1	9.8	-	-	-	2.9	2.9	20489	20489	100	0.0
c.	CNS embryonal	-	-	-	2	-	2	-	-	5.1	22.2	-	-	-	11.1	-	2.5	-	18017	100	0.0
d.	Other gliomas	1	-	-	-	1	1	3.4	20.0	2.6	11.1	9.8	-	-	-	2.9	2.9	20489	20489	100	0.0
e.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Unspecified CNS	-	3	-	2	3	5	10.3	60.0	12.8	55.6	-	31.8	-	11.1	8.0	10.5	6285	4660	75	25
IV	NEUROBLASTOMA	3	-	-	-	3	3	10.0	100.0	7.7	100.0	29.3	-	-	-	8.8	8.8	6830	6830	100	0.0
a.	(Ganglion)neuroblastoma	3	-	-	-	3	3	10.0	100.0	7.7	100.0	29.3	-	-	-	8.8	8.8	6830	6830	100	0.0
b.	Peripheral nervous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V	RETINOBLASTOMA	3	1	-	-	4	4	13.8	100.0	10.3	100.0	29.3	10.6	-	-	11.4	11.4	5014	5014	100	0.0
VI	RENAL TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	Nephroblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Renal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII	HEPATIC TUMOURS	-	-	1	-	1	1	3.4	100.0	2.6	100.0	-	-	7.7	-	1.7	1.7	25842	25842	100	0.0
a.	Hepatoblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Hepatic carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	1	-	1	1	3.4	100.0	2.6	100.0	-	-	7.7	-	1.7	1.7	25842	25842	100	0.0
VIII	BONE TUMOURS	-	1	3	1	4	5	13.8	100.0	12.8	100.0	-	10.6	23.2	5.6	7.9	9.1	5913	5080	100	0.0
a.	Osteosarcoma	-	-	3	1	3	4	10.3	75.0	10.3	80.0	-	-	23.2	5.6	5.2	6.5	8614	6952	100	0.0
b.	Chondrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Ewing & related	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	1	-	-	1	1	3.4	25.0	2.6	20.0	-	10.6	-	-	2.7	2.7	18853	18853	100	0.0
IX	SOFT TISSUE SARCOMA	-	-	1	1	1	2	3.4	100.0	5.1	100.0	-	-	7.7	5.6	1.7	3.0	25842	15049	100	0.0
a.	Rhabdomyosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	1	1	1	2	3.4	100.0	5.1	100.0	-	-	7.7	5.6	1.7	3.0	25842	15049	100	0.0
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X	GERM CELL TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	CNS germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other extragonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Gonadal germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Gonadal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified gonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI	CARCINOMA & MELANOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	Adrenocortical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Nasopharyngeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Melanoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Skin carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Other & unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XII	OTHER & UNSPECIFIED	-	-	-	1	-	1	-	-	2.6	100.0	-	-	-	5.6	0.0	1.2	-	36033	100	0.0
a.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other unspecified	-	-	-	1	-	1	-	-	2.6	100.0	-	-	-	5.6	0.0	1.2	-	36033	100	0.0
	Total	10	13	6	10	29	39	100.0	100.0	100.0	100	97.6	137.9	46.4	55.5	74.2	86.7	710	593	79.4	2.6

Table 38: Number of cases in pediatric age-group, incidence rate per million population: 2019-2020 (By gender)

ICCC	Site	Males								Females									
		Number of cases in age groups						AAR per million		M/F Ratio		Number of cases in age groups						AAR per million	
		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	-	3	-	3	3	6	14.2	20.8	0.60	1.20	2	3	-	-	5	5	30.2	30.2
a.	Lymphoid	-	-	-	1	1	1	0.0	2.2	0.3	0.3	1	2	-	-	3	3	18.1	18.1
b.	Acute myeloid	-	1	-	-	1	1	4.7	4.7	0.0	0.0	-	-	-	-	-	-	-	-
c.	CMD	-	-	-	1	-	1	0.0	2.2	-	0.0	-	-	-	-	-	-	-	-
d.	MDS & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	2	-	1	2	3	9.5	11.7	1.0	1.5	1	1	-	-	2	2	12.1	12.1
II	LYMPHOMA & RELATED	-	1	-	-	1	1	4.7	4.7	0.5	0.5	-	1	1	-	2	2	10.3	10.3
a.	Hodgkin	-	-	-	-	-	-	-	-	0.0	0.0	-	1	1	-	2	2	10.3	10.3
b.	Non-Hodgkin except BL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Burkitt (BL)	-	1	-	-	1	1	4.7	4.7	0.0	0.0	-	-	-	-	-	-	-	-
d.	Lymphoreticular	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	CNS NEOPLASMS	2	3	-	3	5	8	-	-	0.0	8.0	-	-	-	1	-	1	0.0	2.9
a.	Ependymoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Astrocytoma	1	-	-	-	1	1	5.6	5.6	0.0	0.0	-	-	-	-	-	-	-	-
c.	CNS embryonal	-	-	-	2	-	2	0.0	4.3	-	0.0	-	-	-	-	-	-	-	-
d.	Other gliomas	1	-	-	-	1	1	5.6	5.6	0.0	0.0	-	-	-	-	-	-	-	-
e.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Unspecified CNS	-	3	-	1	3	4	14.2	16.4	0.0	4.0	-	-	-	1	-	1	0.0	2.9
IV	NEUROBLASTOMA	2	-	-	-	2	2	11.3	11.3	2.0	2.0	1	-	-	-	1	1	6.1	6.1
a.	(Ganglion)neuroblastoma	2	-	-	-	2	2	11.3	11.3	2.0	2.0	1	-	-	-	1	1	6.1	6.1
b.	Peripheral nervous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V	RETINOBLASTOMA	2	1	-	-	3	3	16.0	16.0	3.0	3.0	1	-	-	-	1	1	6.1	6.1
VI	RENAL TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	Nephroblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Renal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII	HEPATIC TUMOURS	-	-	-	-	-	-	-	-	0.0	0.0	-	-	1	-	1	1	4.3	4.3
a.	Hepatoblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Hepatic carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	0.0	0.0	-	-	1	-	1	1	4.3	4.3
VIII	BONE TUMOURS	-	-	-	1	-	1	0.0	2.2	0.0	0.3	-	1	3	-	4	4	19.0	19.0
a.	Osteosarcoma	-	-	-	1	-	1	0.0	2.2	0.0	0.3	-	-	3	-	3	3	13.0	13.0
b.	Chondrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Ewing & related	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	0.0	0.0	-	1	-	-	1	1	6.0	6.0
IX	SOFT TISSUE SARCOMA	-	-	1	1	1	2	2.9	5.1	0.0	0.0	-	-	-	-	-	-	-	-
a.	Rhabdomyosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	1	1	1	2	2.9	5.1	0.0	0.0	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X	GERM CELL TUMOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	CNS germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other extragonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Gonadal germ cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Gonadal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified gonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI	CARCINOMA & MELANOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	Adrenocortical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Nasopharyngeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Melanoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Skin carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Other & unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XII	OTHER & UNSPECIFIED	-	-	-	-	-	-	-	-	-	0.0	-	-	-	1	-	1	0.0	2.9
a.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other unspecified	-	-	-	-	-	-	-	-	-	0.0	-	-	-	1	-	1	0.0	2.9
Total		6	8	1	8	15	23	49.1	60.1	6.10	14.95	4	5	5	2	14	16	76.0	81.8

Standard registry tables for the year 2019

Table 39: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C01-02	Tongue	-	-	-	-	-	-	-	-	1	1	4	1	2	1	1	-	11	3.7
C03-C06	Mouth	-	-	-	-	-	-	1	1	-	1	1	4	2	3	4	1	18	6.1
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	3	1.0
C09	Tonsil	-	-	-	-	-	-	-	-	-	1	1	-	1	3	1	1	8	2.7
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.3
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	3	1.0
C14	Pharynx unspecified	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.3
C15	Oesophagus	-	-	-	-	-	-	1	1	1	3	4	3	4	6	10	3	36	12.1
C16	Stomach	-	-	-	-	-	-	-	-	-	-	1	-	2	1	1	-	5	1.7
C17	Small intestine	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.3
C18	Colon	-	-	-	-	-	-	1	-	-	1	-	2	-	-	-	-	4	1.3
C19-C20	Rectum	-	-	-	-	-	1	-	-	1	-	1	1	-	-	1	-	5	1.7
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	1	2	6	7	4	5	4	5	34	11.4
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	1	-	-	-	1	2	4	2	10	3.4
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	1	4	1.3
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	1	-	1	4	1	-	7	2.4
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	12	4.0
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2	0.7
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.3
C44	Other skin	-	-	-	-	1	-	-	-	-	-	-	-	2	2	-	1	6	2.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47, C49	Connective and soft tissue	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.3
C50	Breast	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	4	1.3
C60	Penis	-	-	-	-	-	-	-	-	-	1	-	2	4	2	-	-	9	3.0
C61	Prostate	-	-	-	-	-	-	-	-	-	1	-	-	2	7	5	8	23	7.7
C62	Testis	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	4	1.3
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	-	1	2	1	3	1	8	2.7
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	1	-	1	3	1	-	2	8	2.7
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.7
C70-C72	Brain, nervous system	1	1	-	3	-	-	-	1	2	1	2	5	-	-	-	-	16	5.4
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	0.7
C82-C86, C96	Non-Hodgkin lymphoma	-	1	-	-	-	-	-	-	-	1	-	1	1	1	2	1	8	2.7
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	0.7
C91	Lymphoid leukaemia	-	-	-	1	-	-	-	-	-	-	2	-	2	-	1	-	6	2.0
C92-C94	Myeloid leukaemia	-	-	-	-	1	-	-	-	-	2	2	1	2	1	-	-	9	3.0
C95	Leukaemia unspecified	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
O&U	Other and unspecified	-	-	-	-	-	-	-	-	3	1	1	3	1	6	2	4	21	7.1
ALL	All sites	3	2	-	6	2	2	4	5	14	22	31	36	40	52	44	34	297	100

Table 40: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.3
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.3
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.3
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	2	-	1	2	1	-	-	-	6	1.7
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	1	-	1	-	4	7	1	11	6	6	2	39	11.3
C16	Stomach	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	4	1.2
C17	Small intestine	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.6
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.6
C19-C20	Rectum	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-	1	4	1.2
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	2	1	2	2	3	1	2	-	13	3.8
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	4	-	-	2	2	4	3	6	2	23	6.7
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	1	4	1	-	2	1	10	2.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.3
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	3	-	1	2	-	-	-	6	1.7
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.6
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	0.6
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	1	1	-	1	-	-	1	-	-	1	5	1.5
C50	Breast	-	-	-	-	-	1	4	8	10	5	15	9	7	7	2	3	71	20.6
C51	Vulva	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	4	1.2
C52	Vagina	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	3	0.9
C53	Cervix uteri	-	-	-	-	-	-	-	1	3	1	3	8	6	7	4	6	39	11.3
C54	Corpus uteri	-	-	-	-	1	-	-	-	-	1	1	-	-	-	1	1	5	1.5
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.3
C56	Ovary	-	-	-	-	-	1	-	1	4	2	4	3	5	1	-	3	24	7.0
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	2	6	1.7
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	4	1.2
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	-	-	-	1	-	1	-	-	-	1	3	-	1	-	-	-	7	2.0
C73	Thyroid	-	-	-	-	1	2	-	1	1	1	-	-	2	1	-	-	9	2.6
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
C81	Hodgkin disease	-	1	1	-	-	1	2	-	1	1	-	-	-	-	-	-	7	2.0
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	-	-	-	-	1	-	-	1	1	3	7	2.0
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	3	0.9
C91	Lymphoid leukaemia	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	-	4	1.2
C95	Leukaemia unspecified	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.6
O&U	Other and unspecified	-	-	-	-	-	-	1	-	2	2	2	2	4	2	4	4	23	6.7
Grand Total		2	3	3	1	3	8	8	18	30	25	48	40	56	35	32	32	344	100.0

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

Table 41: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	0.2	0.2	-
C01-C02	-	-	-	-	-	-	-	-	3.4	3.7	20.1	7.1	10.7	5.8	9.8	-	2.5	2.5	6.9
C03-C06	-	-	-	-	-	-	3.2	3.4	-	3.7	5.0	28.4	10.7	17.5	39.0	9.0	4.1	3.9	7.2
C07-C08	-	-	-	-	-	-	-	-	-	3.7	5.0	-	-	-	9.8	-	0.7	0.7	1.5
C09	-	-	-	-	-	-	-	-	-	3.7	5.0	-	5.3	17.5	9.8	9.0	1.8	1.6	2.2
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	0.2	0.2	0.7
C12-C13	-	-	-	-	-	-	-	-	-	3.7	5.0	-	-	5.8	-	-	0.7	0.7	1.5
C14	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	0.2	0.2	0.7
C15	-	-	-	-	-	-	3.2	3.4	3.4	11.2	20.1	21.3	21.3	35.0	97.6	27.0	8.3	7.5	12.2
C16	-	-	-	-	-	-	-	-	-	-	5.0	-	10.7	5.8	9.8	-	1.2	1.0	2.2
C17	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	0.2	0.2	0.7
C18	-	-	-	-	-	-	3.2	-	-	3.7	-	14.2	-	-	-	-	0.9	1.0	2.6
C19-C20	-	-	-	-	-	2.7	-	-	3.4	-	5.0	7.1	-	-	9.8	-	1.2	1.2	2.4
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	3.4	7.5	30.1	49.7	21.3	29.2	39.0	44.9	7.8	7.6	16.1
C23-C24	-	-	-	-	-	-	-	-	3.4	-	-	-	5.3	11.7	39.0	18.0	2.3	1.9	1.3
C25	-	-	-	-	-	-	-	-	-	3.7	5.0	7.1	-	-	-	9.0	0.9	0.9	2.4
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	5.0	-	5.3	23.3	9.8	-	1.6	1.4	1.5
C33-C34	-	-	-	-	-	-	-	-	-	-	10.0	14.2	10.7	11.7	19.5	18.0	2.8	2.6	4.8
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	9.0	0.5	0.4	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8	-	0.2	0.2	-
C44	-	-	-	-	2.2	-	-	-	-	-	-	-	10.7	11.7	-	9.0	1.4	1.1	1.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	-	0.2	0.2	0.7
C50	-	-	-	-	-	-	-	-	-	3.7	-	7.1	-	5.8	-	9.0	0.9	0.9	1.6
C60	-	-	-	-	-	-	-	-	-	3.7	-	14.2	21.3	11.7	-	-	2.1	2.0	5.3
C61	-	-	-	-	-	-	-	-	-	3.7	-	-	10.7	40.8	48.8	71.9	5.3	4.3	2.1
C62	-	-	-	-	-	2.7	3.2	3.4	3.4	-	-	-	-	-	-	-	0.9	0.8	1.3
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	7.1	10.7	5.8	29.3	9.0	1.8	1.7	2.3
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	3.7	-	7.1	16.0	5.8	-	18.0	1.8	1.7	3.7
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.9	-
C70-C72	3.7	3.7	-	5.8	-	-	-	3.4	6.8	3.7	10.0	35.5	-	-	-	-	3.7	4.1	8.9
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	3.4	3.7	-	-	-	-	-	-	0.5	0.4	1.4
C82-C86,C96	-	3.7	-	-	-	-	-	-	-	3.7	-	7.1	5.3	5.8	19.5	9.0	1.8	1.8	2.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	5.3	5.8	-	-	0.5	0.4	0.7
C91	-	-	-	1.9	-	-	-	-	-	-	10.0	-	10.7	-	9.8	-	1.4	1.3	3.0
C92-C94	-	-	-	-	2.2	-	-	-	-	7.5	10.0	7.1	10.7	5.8	-	-	2.1	2.0	5.4
C95	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.2	-
O&U	-	-	-	-	-	-	-	-	10.2	3.7	5.0	21.3	5.3	35.0	19.5	36.0	4.8	4.3	6.9
ALL	11.1	7.4	-	11.6	4.4	5.5	12.7	17.0	47.7	82.3	155.6	255.4	213.3	303.3	429.4	305.6	68.3	63.8	114.0

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

Table 42: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	0.3	0.2	-
C01-C02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	0.3	0.2	-
C07-C08	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	0.3	0.2	0.7
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	0.3	0.2	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-13	-	-	-	-	-	-	-	-	7.2	-	5.8	13.9	4.4	-	-	-	1.6	1.5	4.7
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	3.0	-	3.5	-	16.9	40.8	7.0	48.5	43.8	70.9	16.3	10.2	8.8	17.7
C16	-	-	-	-	-	-	-	-	-	4.2	5.8	13.9	-	-	-	-	1.0	1.1	3.6
C17	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	11.8	-	0.5	0.5	0.7
C18	-	-	-	-	-	-	-	-	-	-	-	7.0	4.4	-	-	-	0.5	0.5	1.5
C19-C20	-	-	-	-	2.6	-	-	-	-	-	5.8	-	4.4	-	-	8.2	1.0	0.8	1.5
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	7.2	4.2	11.7	13.9	13.2	7.3	23.6	-	3.4	3.0	7.6
C23-C24	-	-	-	-	-	-	-	13.9	-	-	11.7	13.9	17.6	21.9	70.9	16.3	6.0	5.1	8.6
C25	-	-	-	-	-	-	-	-	3.6	-	5.8	27.9	4.4	-	23.6	8.2	2.6	2.4	5.8
C30-C31	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	0.3	0.3	0.8
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	-	12.7	-	7.0	8.8	-	-	-	1.6	1.4	4.5
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	-	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.7	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	5.8	-	-	7.3	-	-	0.5	0.5	0.9
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	3.4	3.5	-	4.2	-	-	4.4	-	-	8.2	1.3	1.0	2.1
C50	-	-	-	-	-	3.0	13.6	27.8	36.0	21.1	87.4	62.7	30.9	51.1	23.6	24.5	18.6	16.8	42.6
C51	-	-	-	-	-	-	-	-	-	-	5.8	-	-	14.6	11.8	-	1.0	1.0	0.9
C52	-	-	-	-	-	-	-	-	3.6	-	5.8	7.0	-	-	-	-	0.8	0.8	2.5
C53	-	-	-	-	-	-	-	3.5	10.8	4.2	17.5	55.7	26.5	51.1	47.3	48.9	10.2	8.7	17.0
C54	-	-	-	-	2.6	-	-	-	-	4.2	5.8	-	-	-	11.8	8.2	1.3	1.1	1.8
C55	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	-	0.3	0.2	0.6
C56	-	-	-	-	-	3.0	-	3.5	14.4	8.4	23.3	20.9	22.1	7.3	-	24.5	6.3	5.4	14.4
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	13.9	4.4	7.3	-	16.3	1.6	1.3	2.4
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	23.6	8.2	1.0	0.8	0.6
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-72	-	-	-	2.6	-	3.0	-	-	-	4.2	17.5	-	4.4	-	-	-	1.8	1.8	4.2
C73	-	-	-	-	2.6	6.1	-	3.5	3.6	4.2	-	-	8.8	7.3	-	-	2.4	1.9	3.3
C74	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.5	-
C81	-	4.7	3.8	-	-	3.0	6.8	-	3.6	4.2	-	-	-	-	-	-	1.8	1.9	1.5
C82-85,C96	-	-	-	-	-	3.0	-	-	-	-	5.8	-	-	7.3	11.8	24.5	1.8	1.5	0.9
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	5.8	-	8.8	-	-	-	0.8	0.6	2.1
C91	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.5	-
C92-C94	-	-	-	-	-	-	-	3.5	3.6	-	-	-	4.4	7.3	-	-	1.0	0.8	1.9
C95	4.0	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	1.0	-
O&U	-	-	-	-	-	-	3.4	-	7.2	8.4	11.7	13.9	17.6	14.6	47.3	32.6	6.0	5.0	9.0
Grand Total	8.1	14.0	11.3	2.6	7.7	24.2	27.2	62.5	107.9	105.5	279.7	278.6	247.0	255.5	378.1	260.9	90.3	79.8	166.3

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

Table 43: 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	1	1	-	1	7	2.9
C03-C06	Mouth	-	-	-	-	-	-	-	-	1	1	1	1	-	-	2	-	6	2.5
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	0.8
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	3	1.3
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	2	1	1	1	-	-	5	2.1
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	2	-	2	5	-	1	10	4.2
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	-	-	2	2	3	6	11	2	28	11.7
C16	Stomach	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	3	1.3
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	0.8
C19-C20	Rectum	-	-	-	-	-	1	1	1	-	-	1	-	-	1	-	-	5	2.1
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	0.8
C22	Liver	-	-	-	-	-	-	-	-	1	2	3	1	4	4	4	3	22	9.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	1	7	2.9
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	1	5	2.1
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	1	-	1	2	-	-	2	-	-	6	2.5
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	1	-	1	2	2	1	2	4	2	-	15	6.3
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.4
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2	0.8
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	Penis	-	-	-	-	-	-	-	-	-	-	1	3	1	1	1	1	8	3.3
C61	Prostate	-	-	-	-	-	-	-	-	-	-	-	-	2	5	4	4	15	6.3
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	1	3	1	1	1	1	8	3.3
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	2	5	4	4	15	6.3
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	1	1	-	2	-	-	-	-	-	3	2	2	3	-	-	1	15	6.3
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	1	-	-	-	-	-	-	-	2	1	1	5	2.1
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	0.8
C91	Lymphoid leukaemia	1	-	1	1	-	-	-	-	-	-	1	1	1	-	1	-	7	2.9
C92-C94	Myeloid leukaemia	-	-	-	1	1	-	-	-	1	1	1	-	1	-	2	-	8	3.3
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	Other and unspecified	-	-	-	-	-	-	-	-	1	-	2	4	5	3	2	8	25	10.4
Grand Total	All Sites	2	1	1	4	1	3	3	3	9	13	27	21	34	46	40	32	240	100.0

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

Table 44: 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	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	1.0
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.5
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.5
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	3	1.5
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	1	1	3	2	3	3	4	4	2	24	11.9
C16	Stomach	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	1.0
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.5
C18	Colon	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	-	4	2.0
C19-C20	Rectum	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.5
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	1.0
C22	Liver	-	-	-	-	-	-	-	-	-	1	1	-	3	1	1	1	8	4.0
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	1	-	-	3	2	4	3	8	2	23	11.4
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	3	1.5
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	1	-	2	1	2	-	-	6	3.0
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.5
C40-C41	Bone	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.5
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.5
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	4	2.0
C50	Breast	-	-	-	-	-	-	2	1	2	3	3	6	1	5	3	5	31	15.3
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	1.0
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	Cervix uteri	-	-	-	-	-	-	-	2	-	1	2	2	-	3	5	4	21	10.4
C54	Corpus uteri	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	1.0
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	-	-	-	-	4	6	2	-	2	2	-	1	17	8.4
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	3	1.5
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.5
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	2	1.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	1.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	3	1.5
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.5
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C92-C94	Myeloid leukaemia	-	1	-	-	-	-	-	-	-	-	1	-	1	1	-	-	4	2.0
C95	Leukaemia unspecified	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.5
O&U	Other and unspecified	-	-	-	-	-	-	-	-	1	1	3	4	5	4	3	3	24	11.9
Grand Total		1	1	-	1	-	-	5	5	13	19	22	22	35	32	25	21	202	100.0

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

**Table 45: 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-C02	-	-	-	-	-	-	-	-	3.4	3.7	5.0	7.1	5.3	5.8	-	9.0	1.6	1.5	3.8
C03-C06	-	-	-	-	-	-	-	-	3.4	3.7	5.0	7.1	-	-	19.5	-	1.4	1.4	3.1
C07-C08	-	-	-	-	-	-	-	-	3.4	-	5.0	-	-	-	-	-	0.5	0.5	1.5
C09	-	-	-	-	-	-	-	-	-	-	5.0	-	-	5.8	-	9.0	0.7	0.6	0.8
C10	-	-	-	-	-	-	-	-	-	-	10.0	7.1	5.3	5.8	-	-	1.2	1.2	3.2
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	10.0	-	10.7	29.2	-	9.0	2.3	2.0	3.0
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	3.2	3.4	-	-	10.0	14.2	16.0	35.0	107.3	18.0	6.4	5.7	6.2
C16	-	-	-	-	-	-	-	-	-	3.7	-	-	5.3	-	9.8	-	0.7	0.6	1.4
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	3.4	-	-	-	5.3	-	-	-	0.5	0.4	1.3
C19-C20	-	-	-	-	-	2.7	3.2	3.4	-	-	5.0	-	-	5.8	-	-	1.2	1.0	1.5
C21	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	9.0	0.5	0.4	0.7
C22	-	-	-	-	-	-	-	-	3.4	7.5	15.1	7.1	21.3	23.3	39.0	27.0	5.1	4.6	8.2
C23-C24	-	-	-	-	-	-	-	-	-	-	-	-	-	17.5	29.3	9.0	1.6	1.3	-
C25	-	-	-	-	-	-	-	-	-	3.7	5.0	7.1	5.3	-	-	9.0	1.2	1.2	3.1
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	3.4	-	3.7	10.0	-	-	11.7	-	-	1.4	1.3	3.0
C33-C34	-	-	-	-	-	-	3.2	-	3.4	7.5	10.0	7.1	10.7	23.3	19.5	-	3.5	3.1	6.0
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8	-	0.2	0.2	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	0.2	0.2	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	2.7	-	-	3.4	-	-	-	-	-	-	-	0.5	0.4	0.7
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	5.0	21.3	5.3	5.8	9.8	9.0	1.8	1.9	4.2
C61	-	-	-	-	-	-	-	-	-	-	-	-	10.7	29.2	39.0	36.0	3.5	2.8	1.4
C62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	5.0	21.3	5.3	5.8	9.8	9.0	1.8	1.9	4.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	10.7	29.2	39.0	36.0	3.5	2.8	1.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	3.7	3.7	-	3.9	-	-	-	-	-	11.2	10.0	14.2	16.0	-	-	9.0	3.5	3.7	7.7
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	-	-	-	-	-	2.7	-	-	-	-	-	-	-	11.7	9.8	9.0	1.2	0.9	-
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	5.3	5.8	-	-	0.5	0.4	0.7
C91	3.7	-	2.6	1.9	-	-	-	-	-	-	5.0	7.1	5.3	-	9.8	-	1.6	1.8	2.4
C92-C94	-	-	-	1.9	2.2	-	-	-	3.4	3.7	5.0	-	5.3	-	19.5	-	1.8	1.6	2.9
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	-	-	-	-	-	-	-	-	3.4	-	10.0	28.4	26.7	17.5	19.5	71.9	5.8	5.3	9.4
Grand Total	7.4	3.7	2.6	7.8	2.2	8.2	9.6	10.2	30.7	48.6	135.5	149.0	181.3	268.3	390.4	287.7	55.2	50.6	81.8

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

Table 46: 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	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	11.8	-	0.5	0.4	0.6
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	-	0.3	0.2	0.6
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	0.3	0.2	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	7.2	-	5.8	-	-	-	-	-	0.8	0.7	2.3
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	3.4	3.5	3.6	12.7	11.7	20.9	13.2	29.2	47.3	16.3	6.3	5.5	10.1
C16	-	-	-	-	-	-	-	-	-	-	5.8	7.0	-	-	-	-	0.5	0.6	1.8
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	0.3	0.2	-
C18	-	-	-	-	-	-	-	-	-	4.2	-	-	8.8	7.3	-	-	1.0	0.8	2.0
C19-C20	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	0.3	0.2	0.7
C21	-	-	-	-	-	-	-	-	-	-	-	-	8.8	-	-	-	0.5	0.4	1.1
C22	-	-	-	-	-	-	-	-	-	4.2	5.8	-	13.2	7.3	11.8	8.2	2.1	1.7	3.5
C23-C24	-	-	-	-	-	-	-	3.5	-	-	17.5	13.9	17.6	21.9	94.5	16.3	6.0	5.2	7.6
C25	-	-	-	-	-	-	-	-	-	-	-	7.0	-	7.3	11.8	-	0.8	0.7	0.9
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	-	4.2	-	13.9	4.4	14.6	-	-	1.6	1.4	3.2
C37-38	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-	-	0.3	0.3	0.9
C40-C41	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	0.3	0.2	0.7
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	0.3	0.2	0.7
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	-	-	-	-	-	-	13.2	-	-	8.2	1.0	0.7	1.7
C50	-	-	-	-	-	-	6.8	3.5	7.2	12.7	17.5	41.8	4.4	36.5	35.4	40.8	8.1	7.1	13.3
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	8.2	0.5	0.4	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	6.8	-	3.6	8.4	11.7	-	13.2	36.5	47.3	16.3	5.5	4.6	5.9
C54	-	-	-	-	-	-	-	-	-	-	5.8	7.0	-	-	-	-	0.5	0.6	1.8
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	-	14.4	25.3	11.7	-	8.8	14.6	-	8.2	4.5	3.9	10.7
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	4.2	5.8	7.0	-	-	-	-	0.8	0.8	2.7
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	0.3	0.2	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	2.6	-	-	-	-	-	-	-	7.0	-	-	-	-	0.5	0.5	0.9
C73	-	-	-	-	-	-	-	-	-	-	-	-	8.8	-	-	-	0.5	0.4	1.1
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	-	-	-	-	-	-	-	-	3.6	-	-	-	-	7.3	-	8.2	0.8	0.6	0.7
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	-	0.3	0.2	0.6
C91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C92-C94	-	4.7	-	-	-	-	-	-	-	-	5.8	-	4.4	7.3	-	-	1.0	1.2	1.5
C95	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.5	-
O&U	-	-	-	-	-	-	-	-	3.6	4.2	17.5	27.9	22.1	29.2	35.4	24.5	6.3	5.4	10.8
Grand Total	4.0	4.7	-	2.6	-	-	17.0	17.4	46.8	80.2	128.2	153.2	154.4	233.6	295.4	171.2	53.0	45.9	88.3

* 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 47: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	1	-	1	-	2	1	3	1	1	1	11	3.8
C03-C06	Mouth	-	-	-	-	-	-	-	-	2	2	3	1	2	2	2	1	15	5.2
C07-C08	Salivary glands	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	-	4	1.4
C10	Other oropharynx	-	-	-	-	-	-	-	1	-	-	-	1	2	-	1	-	5	1.7
C11	Nasopharynx	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	2	0.7
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	1	-	-	2	4	-	7	2.4
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.3
C15	Oesophagus	-	-	-	-	-	-	1	1	1	1	2	2	5	11	4	4	32	11.1
C16	Stomach	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	1	4	1.4
C17	Small intestine	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	2	0.7
C18	Colon	-	-	-	-	-	-	-	-	1	-	1	-	1	1	-	-	4	1.4
C19-C20	Rectum	-	-	-	-	-	-	-	-	1	-	1	-	1	1	1	1	6	2.1
C21	Anus	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	3	1.0
C22	Liver	-	-	-	-	1	-	1	-	1	1	6	6	3	2	12	3	36	12.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1	-	-	2	2	2	-	7	2.4
C25	Pancreas	-	-	-	-	-	1	-	-	-	-	-	2	2	4	1	1	11	3.8
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	0.7
C32	Larynx	-	-	-	-	-	-	-	-	1	-	2	2	2	-	2	1	10	3.5
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	1	1	3	2	4	1	2	14	4.9
C37-C38	Other thoracic organs	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
C40-C41	Bone	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	3	1.0
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1	-	-	-	1	-	1	-	1	-	-	1	-	-	5	1.7
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.7
C60	Penis	-	-	-	-	-	-	-	-	-	1	2	-	1	1	-	2	7	2.4
C61	Prostate	-	-	-	-	-	-	-	-	-	1	-	1	1	1	3	2	9	3.1
C62	Testis	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	2	0.7
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	1	-	-	2	2	2	-	7	2.4
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C66	Ureter	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.3
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	4	1.4
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
C70-C72	Brain, nervous system	2	2	-	-	1	-	1	2	-	1	2	-	2	2	2	-	17	5.9
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	2	0.7
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	2	-	-	-	-	2	1	1	-	1	7	2.4
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	3	1.0
C92-C94	Myeloid leukaemia	-	1	-	1	1	1	-	-	-	-	-	-	2	-	1	-	7	2.4
C95	Leukaemia unspecified	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.7
O&U	Other and unspecified	-	-	-	1	-	2	-	-	-	2	2	1	5	3	8	-	24	8.3
ALL	All sites	3	6	1	2	6	7	8	6	9	14	28	27	45	48	53	25	288	100.0

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

Table 48: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	Mouth	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	3	7	2.3
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.3
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	3	1.0
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	1	-	-	6	3	2	5	4	5	4	30	9.6
C16	Stomach	-	-	-	-	1	-	-	-	1	-	-	1	-	2	-	-	5	1.6
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C18	Colon	-	-	-	-	-	-	1	-	1	-	-	1	-	-	1	1	5	1.6
C19-C20	Rectum	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	1	4	1.3
C21	Anus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.3
C22	Liver	-	-	1	-	-	-	-	1	-	4	3	1	2	8	7	-	27	8.7
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	1	1	4	1	1	1	3	3	2	17	5.5
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	1	1	2	1	-	2	7	2.3
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.6
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	1	-	1	2	-	3	-	7	2.3
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	3	1.0
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.3
C50	Breast	-	-	-	-	1	-	3	6	9	9	9	12	9	11	4	4	77	24.8
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.3
C52	Vagina	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.3
C53	Cervix uteri	-	-	-	-	-	-	-	1	2	8	4	3	5	9	1	3	36	11.6
C54	Corpus uteri	-	-	-	-	-	-	-	-	1	1	2	-	1	1	-	-	6	1.9
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	1	1	-	1	1	4	5	2	1	2	2	2	22	7.1
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	2	-	3	-	-	-	5	1.6
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	3	1.0
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
C70-C72	Brain, nervous system	-	-	-	-	1	-	-	-	-	1	2	1	1	2	-	-	8	2.6
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	4	1.3
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	3	1.0
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid leukaemia	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4	1.3
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C95	Leukaemia unspecified	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.3
O&U	Other and unspecified	-	-	-	1	-	-	-	-	1	3	2	7	-	1	1	1	17	5.5
Grand Total		2	2	2	1	4	2	6	12	21	42	35	37	37	50	30	28	311	100.0

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

Table 49: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	3.2	-	3.4	-	9.9	6.9	15.6	5.7	9.6	8.8	2.5	2.3	5.1
C03-C06	Mouth	-	-	-	-	-	-	-	-	6.7	7.3	14.8	6.9	10.4	11.3	19.2	8.8	3.4	3.2	7.3
C07-C08	Salivary glands	-	-	-	-	-	2.7	-	-	-	-	-	-	5.2	-	-	-	0.5	0.4	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	3.7	-	-	10.4	5.7	-	-	0.9	0.8	2.0
C10	Other oropharynx	-	-	-	-	-	-	-	3.4	-	-	-	6.9	10.4	-	9.6	-	1.1	1.1	2.9
C11	Nasopharynx	-	-	-	-	2.2	-	-	-	-	-	-	-	5.2	-	-	-	0.5	0.4	0.7
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	4.9	-	-	11.3	38.4	-	1.6	1.4	0.8
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	-	0.2	0.2	0.8
C15	Oesophagus	-	-	-	-	-	-	3.2	3.4	3.4	3.7	9.9	13.9	25.9	62.3	38.4	35.2	7.3	6.2	8.7
C16	Stomach	-	-	-	-	2.2	-	-	-	-	-	-	6.9	-	-	9.6	8.8	0.9	0.8	0.9
C17	Small intestine	-	-	-	-	-	2.7	-	-	-	-	-	-	-	5.7	-	-	0.5	0.4	-
C18	Colon	-	-	-	-	-	-	-	-	3.4	-	4.9	-	5.2	5.7	-	-	0.9	0.8	2.1
C19-C20	Rectum	-	-	-	-	-	-	-	-	3.4	-	4.9	-	5.2	5.7	9.6	8.8	1.4	1.2	2.1
C21	Anus	-	-	-	-	-	-	-	3.4	-	-	-	-	5.2	-	9.6	-	0.7	0.6	1.3
C22	Liver	-	-	-	-	2.2	-	3.2	-	3.4	3.7	29.6	41.6	15.6	11.3	115.3	26.4	8.2	7.7	13.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	3.7	-	-	10.4	11.3	19.2	-	1.6	1.4	2.0
C25	Pancreas	-	-	-	-	-	2.7	-	-	-	-	-	13.9	10.4	22.7	9.6	8.8	2.5	2.2	3.1
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	8.8	0.5	0.3	-
C32	Larynx	-	-	-	-	-	-	-	-	3.4	-	9.9	13.9	10.4	-	19.2	8.8	2.3	2.2	5.4
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	3.7	4.9	20.8	10.4	22.7	9.6	17.6	3.2	2.9	5.5
C37-C38	Other thoracic organs	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.5	-
C40-C41	Bone	-	-	-	-	-	-	3.2	-	-	-	-	-	5.2	-	-	8.8	0.7	0.6	0.7
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	0.2	0.3	0.9
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	8.8	0.5	0.4	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	2.6	-	-	-	3.2	-	3.4	-	4.9	-	-	5.7	-	-	1.1	1.0	1.4
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	8.8	0.5	0.4	-
C60	Penis	-	-	-	-	-	-	-	-	-	3.7	9.9	-	5.2	5.7	-	17.6	1.6	1.4	3.0
C61	Prostate	-	-	-	-	-	-	-	-	-	3.7	-	6.9	5.2	5.7	28.8	17.6	2.1	1.8	2.3
C62	Testis	-	-	-	-	2.2	-	-	-	-	-	-	-	-	5.7	-	-	0.5	0.3	-
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	3.7	-	-	10.4	11.3	19.2	-	1.6	1.4	2.0
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	0.2	0.2	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	-	0.2	0.2	0.8
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	6.9	-	11.3	9.6	-	0.9	0.8	0.9
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.4	-
C70-C72	Brain, nervous system	7.6	7.8	-	-	2.2	-	3.2	6.7	-	3.7	9.9	-	10.4	11.3	19.2	-	3.9	4.3	4.9
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	0.2	0.3	0.9
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	2.7	-	3.4	-	-	-	-	-	-	-	-	0.5	0.4	0.7
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	6.3	-	-	-	-	13.9	5.2	5.7	-	8.8	1.6	1.5	2.5
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	0.2	0.3	0.9
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	9.6	8.8	0.7	0.6	0.7
C92-C94	Myeloid leukaemia	-	3.9	-	1.9	2.2	2.7	-	-	-	-	-	-	10.4	-	9.6	-	1.6	1.6	1.3
C95	Leukaemia unspecified	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.8	-
O&U	Other and unspecified	-	-	-	1.9	-	5.4	-	-	-	7.3	9.9	6.9	25.9	17.0	76.9	-	5.5	4.9	7.2
ALL	All sites	11.4	23.4	2.6	3.8	12.9	19.0	25.3	20.2	30.2	51.2	138.3	187.0	233.5	271.8	509.3	220.1	65.8	60.9	96.2

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

Table 50: 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	Mouth	-	-	-	-	-	-	-	-	3.5	-	-	-	4.3	14.3	-	23.9	1.8	1.3	1.2
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	0.3	0.2	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	3.5	-	-	6.8	-	7.2	-	-	0.8	0.7	1.6
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	3.4	-	-	24.8	17.1	13.6	21.4	28.6	58.2	31.8	7.8	6.6	12.1
C16	Stomach	-	-	-	-	2.5	-	-	-	3.5	-	-	6.8	-	14.3	-	-	1.3	1.1	1.6
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	0.3	0.2	-
C18	Colon	-	-	-	-	-	-	3.4	-	3.5	-	-	6.8	-	-	11.6	8.0	1.3	1.1	1.6
C19-C20	Rectum	-	-	-	-	-	-	-	3.4	-	-	-	-	8.6	-	-	8.0	1.0	0.7	1.8
C21	Anus	-	-	-	-	-	3.0	-	-	-	-	-	-	-	-	-	-	0.3	0.2	-
C22	Liver	-	-	3.9	-	-	-	-	3.4	-	16.5	17.1	6.8	8.6	57.3	81.4	-	7.0	6.4	8.6
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	3.4	3.5	16.5	5.7	6.8	4.3	21.5	34.9	15.9	4.4	3.8	6.9
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	5.7	6.8	8.6	7.2	-	15.9	1.8	1.4	2.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	11.6	-	0.5	0.4	0.7
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	4.1	-	6.8	8.6	-	34.9	-	1.8	1.6	2.8
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	4.9	3.9	-	-	-	-	-	-	-	-	6.8	-	-	-	-	0.8	1.1	0.9
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	0.3	0.2	0.7
C50	Breast	-	-	-	-	2.5	-	10.2	20.7	31.8	37.1	51.4	81.6	38.5	78.8	46.5	31.8	20.1	17.5	41.1
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	-	0.3	0.2	-
C52	Vagina	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	0.3	0.2	0.7
C53	Cervix uteri	-	-	-	-	-	-	-	3.4	7.1	33.0	22.9	20.4	21.4	64.4	11.6	23.9	9.4	8.1	17.5
C54	Corpus uteri	-	-	-	-	-	-	-	-	3.5	4.1	11.4	-	4.3	7.2	-	-	1.6	1.4	3.9
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	2.5	3.0	-	3.4	3.5	16.5	28.6	13.6	4.3	14.3	23.3	15.9	5.7	5.2	11.5
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	11.4	-	12.8	-	-	-	1.3	1.1	3.5
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	14.3	-	8.0	0.8	0.6	-
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.5	-
C70-C72	Brain, nervous system	-	-	-	-	2.5	-	-	-	-	4.1	11.4	6.8	4.3	14.3	-	-	2.1	1.9	4.1
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	6.8	8.6	-	-	8.0	1.0	0.8	2.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	-	4.1	5.7	-	-	-	-	8.0	0.8	0.7	1.7
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid leukaemia	4.1	4.9	-	-	-	-	-	-	-	-	-	-	-	-	11.6	8.0	1.0	1.4	-
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-	0.3	0.3	0.9
C95	Leukaemia unspecified	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-	0.3	0.2	-
O&U	Other and unspecified	-	-	-	2.6	-	-	-	-	3.5	12.4	11.4	47.6	-	7.2	11.6	8.0	4.4	4.3	11.1
Grand Total		8.2	9.9	7.8	2.6	10.1	6.0	20.3	41.3	74.1	173.3	200.0	251.8	158.3	358.0	349.0	222.8	81.2	71.3	141.1

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

Table 51: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2016 – Males Sangrur District

% = Relative Proportion of Cancers of All Sites

ICD 10	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	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.8
C01-02	Tongue	-	-	-	-	-	-	-	-	-	1	5	-	4	1	-	1	12	4.7
C03-C06	Mouth	-	-	-	-	-	-	1	1	-	2	-	4	2	3	1	2	16	6.3
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	-	4	1.6
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	0.8
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	3	1.2
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C15	Oesophagus	-	-	-	-	-	-	1	1	-	4	2	2	3	6	1	4	24	9.4
C16	Stomach	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	4	1.6
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C18	Colon	-	-	-	-	-	-	-	-	2	-	-	1	1	-	-	-	4	1.6
C19-C20	Rectum	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	0.8
C21	Anus	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	3	1.2
C22	Liver	-	-	-	-	-	-	1	-	1	1	5	8	4	4	8	4	36	14.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	1	1	-	-	1	3	3	1	10	3.9
C25	Pancreas	-	-	-	-	-	1	-	-	-	1	-	1	1	3	1	1	9	3.5
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C32	Larynx	-	-	-	-	-	-	-	-	-	-	2	-	3	3	1	-	9	3.5
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	-	-	2	4	2	1	2	2	13	5.1
C37-C38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	3	1.2
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	3	1.2
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2	0.8
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C60	Penis	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-	3	7	2.8
C61	Prostate	-	-	-	-	-	-	-	-	-	1	-	-	2	4	2	1	10	3.9
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C63	Other male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	3	1.2
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C66	Ureter	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.4
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1	6	2.4
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	2	-	-	-	-	-	-	1	3	1	2	3	2	2	2	1	19	7.5
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	3	1.2
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.8
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	4	1.6
C92-C94	Myeloid leukaemia	-	1	-	-	-	1	-	-	-	1	-	-	1	2	1	-	7	2.8
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	Other and unspecified	-	-	-	-	-	-	-	-	1	2	-	3	5	7	7	-	25	9.8
ALL	All sites	2	1	1	-	-	4	4	5	8	17	23	29	44	53	40	23	254	100.0

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

Table 52: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2020– FemalesSangrur 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	0.9
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.9
C14	Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	-	-	4	5	-	6	6	7	1	29	12.6
C16	Stomach	-	-	-	-	1	-	-	-	-	-	-	1	1	1	-	-	4	1.7
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.4
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C19-C20	Rectum	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	3	1.3
C21	Anus	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2	0.9
C22	Liver	-	-	1	-	-	-	-	1	-	2	2	2	3	5	5	1	22	9.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	2	-	2	1	2	3	5	1	3	19	8.2
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	3	9	3.9
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.9
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	1	2	-	1	2	-	1	-	7	3.0
C37-38	Other thoracic organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	Connective and soft tissue	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.4
C50	Breast	-	-	-	-	-	1	1	-	2	1	10	3	9	1	2	3	33	14.3
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.9
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C53	Cervix uteri	-	-	-	-	-	-	-	1	2	2	5	5	5	6	4	4	34	14.7
C54	Corpus uteri	-	-	-	-	1	-	-	-	-	-	-	1	1	-	1	-	4	1.7
C55	Uterus unspecified	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	0.9
C56	Ovary	-	-	-	-	-	-	-	-	-	1	2	6	4	3	1	1	18	7.8
C57	Other female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.4
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, nervous system	-	-	-	-	-	-	-	-	-	2	2	-	1	1	-	-	6	2.6
C73	Thyroid	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	0.9
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	3	1.3
C88	Immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid leukaemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C92-C94	Myeloid leukaemia	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C95	Leukaemia unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	Other and unspecified	-	-	-	1	-	-	-	-	1	4	4	3	-	1	-	2	16	6.9
Grand Total		-	-	1	1	3	2	1	5	8	21	36	30	42	33	26	22	231	100.0

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

Table 53: 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	-	-	-	-	-	-	-	-	-	-	-	-	10.4	-	-	-	0.5	0.4	1.3
C01-02	-	-	-	-	-	-	-	-	-	3.7	24.7	-	20.8	5.7	-	8.8	2.7	2.6	7.4
C03-C06	-	-	-	-	-	-	3.2	3.4	-	7.3	-	27.7	10.4	17.0	9.6	17.6	3.7	3.4	7.0
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	6.9	-	5.7	19.2	-	0.9	0.8	0.9
C10	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	9.6	-	0.5	0.4	0.7
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	19.2	-	0.7	0.6	0.8
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	0.2	0.2	-
C15	-	-	-	-	-	-	3.2	3.4	-	14.6	9.9	13.9	15.6	34.0	9.6	35.2	5.5	4.9	8.9
C16	-	-	-	-	-	-	-	-	-	-	4.9	6.9	5.2	5.7	-	-	0.9	0.9	2.4
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	0.2	0.2	-
C18	-	-	-	-	-	-	-	-	6.7	-	-	6.9	5.2	-	-	-	0.9	0.9	2.9
C19-C20	-	-	-	-	-	2.7	-	-	-	-	-	-	5.2	-	-	-	0.5	0.4	0.7
C21	-	-	-	-	-	-	-	3.4	-	-	-	-	-	5.7	9.6	-	0.7	0.6	0.7
C22	-	-	-	-	-	-	3.2	-	3.4	3.7	24.7	55.4	20.8	22.7	76.9	35.2	8.2	7.8	15.2
C23-C24	-	-	-	-	-	-	-	-	3.4	3.7	-	-	5.2	17.0	28.8	8.8	2.3	1.9	2.0
C25	-	-	-	-	-	2.7	-	-	-	3.7	-	6.9	5.2	17.0	9.6	8.8	2.1	1.8	2.3
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	0.2	0.2	-
C32	-	-	-	-	-	-	-	-	-	-	9.9	-	15.6	17.0	9.6	-	2.1	1.8	3.6
C33-C34	-	-	-	-	-	-	-	-	-	-	9.9	27.7	10.4	5.7	19.2	17.6	3.0	2.9	6.5
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-	-	17.6	0.7	0.5	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	5.2	11.3	-	-	0.7	0.5	0.7
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	2.6	-	-	-	-	-	-	-	-	-	5.2	-	-	-	0.5	0.4	0.7
C50	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	0.2	0.2	0.7
C60	-	-	-	-	-	-	-	3.4	-	-	-	-	15.6	-	-	26.4	1.6	1.4	2.7
C61	-	-	-	-	-	-	-	-	-	3.7	-	-	10.4	22.7	19.2	8.8	2.3	1.9	2.0
C62	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	0.2	0.2	-
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	2.7	-	-	-	-	-	-	-	5.7	9.6	-	0.7	0.6	-
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	0.2	0.2	-
C66	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	-	0.2	0.2	0.8
C67	-	-	-	-	-	-	-	-	-	-	-	-	5.2	11.3	19.2	8.8	1.4	1.1	0.7
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	7.6	-	-	-	-	-	-	3.4	10.1	3.7	9.9	20.8	10.4	11.3	19.2	8.8	4.3	4.6	8.9
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C86,C96	-	-	-	-	-	-	-	-	-	-	-	-	10.4	-	9.6	-	0.7	0.6	1.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	9.6	-	0.5	0.5	0.9
C91	-	-	-	-	-	-	-	-	-	3.7	9.9	-	-	5.7	-	-	0.9	0.9	2.3
C92-C94	-	3.9	-	-	-	2.7	-	-	-	3.7	-	-	5.2	11.3	9.6	-	1.6	1.6	1.4
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	-	-	-	-	-	-	-	-	3.4	7.3	-	20.8	25.9	39.6	67.3	-	5.7	5.0	8.1
ALL	7.6	3.9	2.6	-	-	10.9	12.6	16.9	26.9	62.2	113.6	200.8	228.3	300.1	384.4	202.5	58.1	53.1	94.2

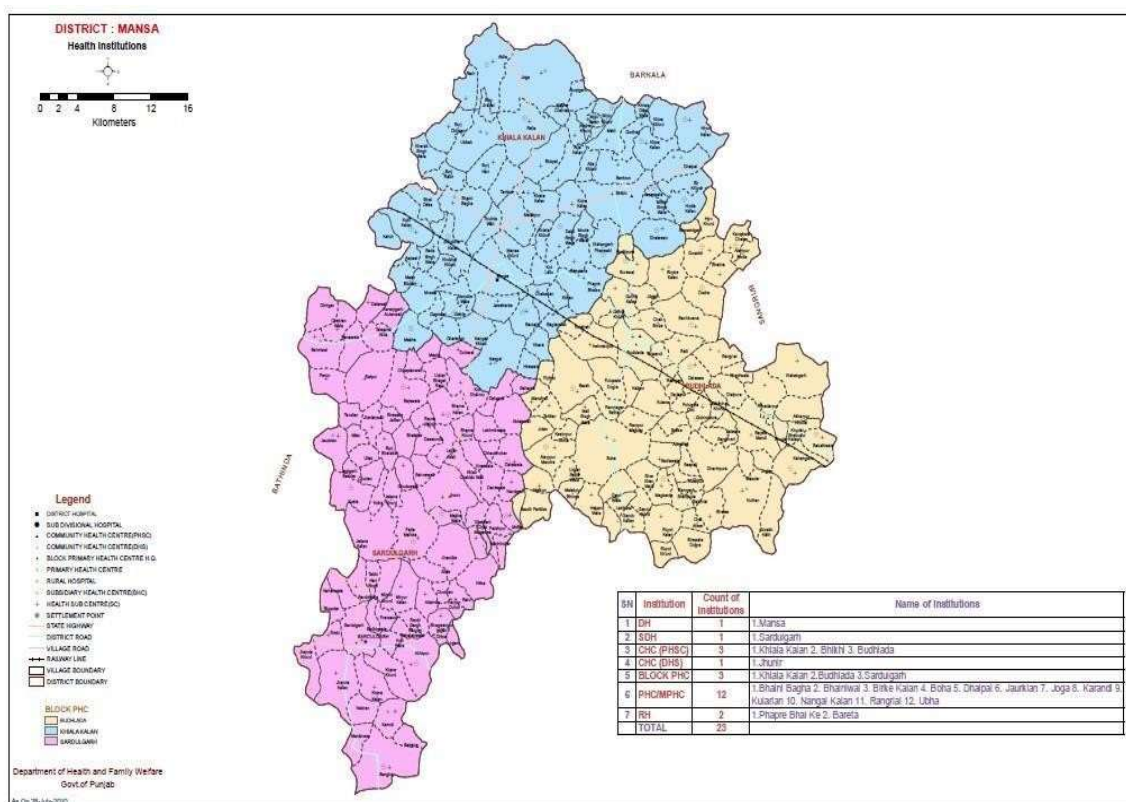
* O & U includes the sites (ICD - 10: C26, C39, C48, C75, C76, C77, C78, C79, C80, C97)

Table 54: 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

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	8.0	0.5	0.4	-
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	0.3	0.2	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-13	-	-	-	-	-	-	-	-	-	-	5.7	6.8	-	-	-	-	0.5	0.6	1.8
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	-	16.5	28.6	-	25.7	43.0	81.4	8.0	7.6	6.5	11.1
C16	-	-	-	-	2.5	-	-	-	-	-	-	6.8	4.3	7.2	-	-	1.0	0.9	1.4
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	-	0.3	0.2	-
C18	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	0.3	0.2	0.6
C19-C20	-	-	-	-	2.5	-	-	-	-	-	-	-	4.3	7.2	-	-	0.8	0.6	0.6
C21	-	-	-	-	-	3.0	-	-	-	-	5.7	-	-	-	-	-	0.5	0.5	0.9
C22	-	-	3.9	-	-	-	-	3.4	-	8.3	11.4	13.6	12.8	35.8	58.2	8.0	5.7	5.1	7.5
C23-C24	-	-	-	-	-	-	-	6.9	-	8.3	5.7	13.6	12.8	35.8	11.6	23.9	5.0	4.0	7.3
C25	-	-	-	-	-	-	-	-	-	-	-	20.4	12.8	-	-	23.9	2.3	1.8	4.3
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	11.6	-	0.5	0.4	0.7
C33-C34	-	-	-	-	-	-	-	-	3.5	8.3	-	6.8	8.6	-	11.6	-	1.8	1.6	4.3
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	0.3	0.2	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47,C49	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	0.3	0.2	0.7
C50	-	-	-	-	-	3.0	3.4	-	7.1	4.1	57.1	20.4	38.5	7.2	23.3	23.9	8.6	7.5	19.0
C51	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	11.6	-	0.5	0.4	0.6
C52	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-	0.3	0.3	0.9
C53	-	-	-	-	-	-	-	3.4	7.1	8.3	28.6	34.0	21.4	43.0	46.5	31.8	8.9	7.6	15.4
C54	-	-	-	-	2.5	-	-	-	-	-	-	6.8	4.3	-	11.6	-	1.0	0.9	1.4
C55	-	-	-	-	-	-	-	-	3.5	-	-	-	4.3	-	-	-	0.5	0.4	1.2
C56	-	-	-	-	-	-	-	-	-	4.1	11.4	40.8	17.1	21.5	11.6	8.0	4.7	4.2	10.1
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	5.7	-	-	-	-	-	0.3	0.3	0.9
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	0.3	0.2	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-72	-	-	-	-	-	-	-	-	-	8.3	11.4	-	4.3	7.2	-	-	1.6	1.5	4.0
C73	-	-	-	-	-	-	-	-	-	4.1	-	-	-	-	-	8.0	0.5	0.4	0.8
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-85,C96	-	-	-	-	-	-	-	-	-	-	11.4	-	-	-	11.6	-	0.8	0.8	1.8
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	0.3	0.2	-
C92-C94	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-	0.3	0.3	0.9
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	-	-	-	2.6	-	-	-	-	3.5	16.5	22.9	20.4	-	7.2	-	15.9	4.2	3.9	10.2
Grand Total	-	-	3.9	2.6	7.6	6.0	3.4	17.2	28.2	86.7	205.7	204.1	179.7	236.3	302.5	175.1	60.3	52.1	108.3

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

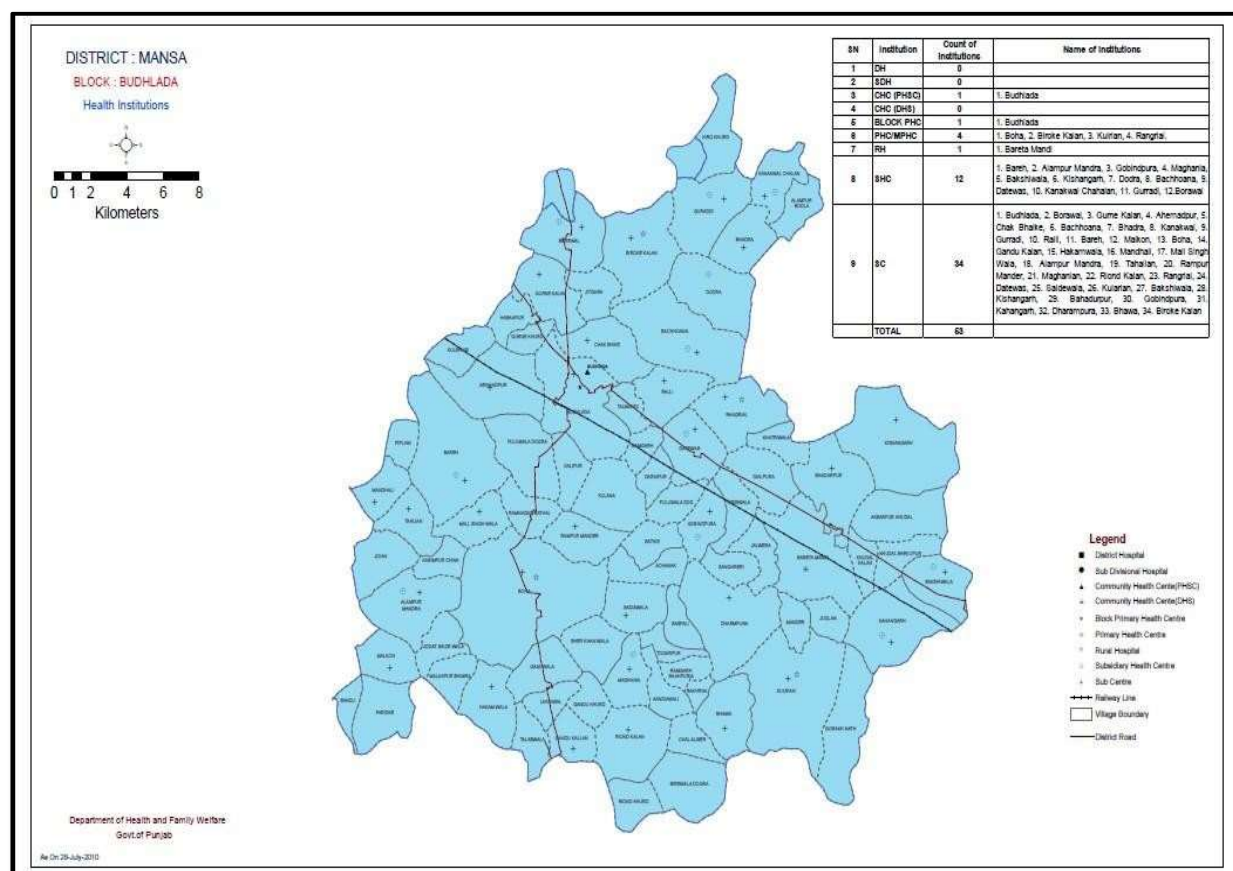
22. Village-wise incidence and mortality cases in Mansa district: 2013-2020



Block-wise Cancer Incidence Cases and Mortality Cases: Mansa District

Block	Incidence (2013-2020)			Mortality (2013-2020)		
	Male	Female	Total	Male	Female	Total
Budhlada	700	715	1415	529	457	986
Khaila Kalan	837	1036	1873	606	628	1234
Sardulgarh	524	569	1093	394	356	750
Total	2061	2320	4381	1529	1441	2970

Village-wise Cancer Incidence Cases and Mortality Cases: Budhlada, Mansa District (2013-2020)

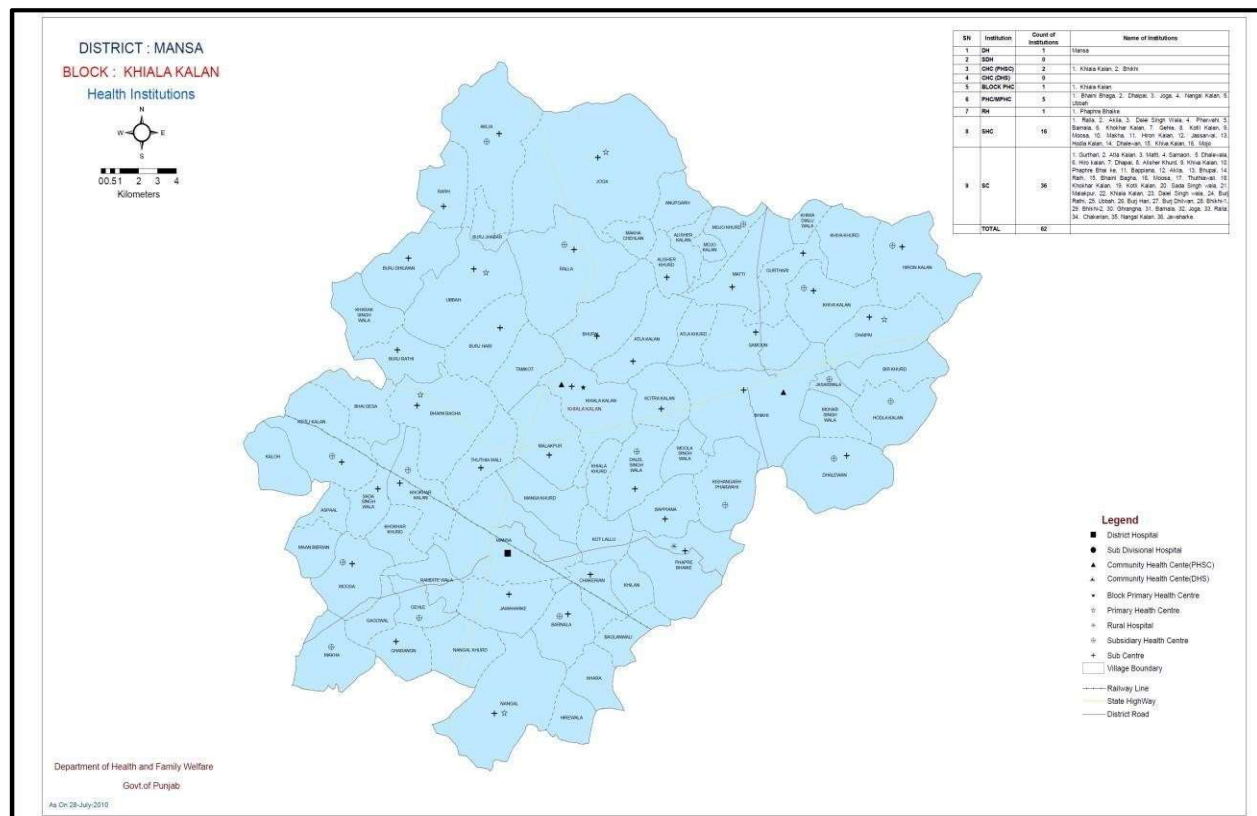


Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Achanak	5	3	8	3	3	6
2	Ahmedpur	11	13	24	9	4	13
3	Akbarpur Khudal	5	12	17	3	7	10
4	Alampur Bodla	4	4	8	4	4	8
5	Alampur Mandran	9	15	24	10	8	18
6	Andian Wali	3	7	10	2	4	6
7	Bachhoana	16	15	31	9	15	24
8	Bahadarpur	25	24	49	21	19	40
9	Bakhshiwala	0	4	4	1	3	4
10	Bareh	22	14	36	19	8	27
11	Baretta	57	43	100	39	26	65

Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
12	Bhadra	8	9	17	4	7	11
13	Bhakhrial	9	1	10	10	1	11
14	Bhawa	7	8	15	5	3	8
15	Birewala Dogra	4	4	8	3	2	5
16	Biroke Kalan	8	11	19	6	8	14
17	Biroke Khurd	4	3	7	3	1	4
18	Boha	30	33	63	21	19	40
19	Borewal	8	17	25	6	10	16
20	Budhlada	81	92	173	65	60	125
21	Budhlada Pind	0	3	3	0	3	3
22	Chak Ali Sher	3	5	8	3	3	6
23	Chak Bhai Ke	3	9	12	1	3	4
24	Dariapur	2	4	6	0	3	3
25	Datewas	8	9	17	4	5	9
26	Dharampura	22	18	40	18	10	28
27	Dodra	8	14	22	5	7	12
28	Dyalpura	4	6	10	2	5	7
29	Farid Ke	3	4	7	3	3	6
30	Gami Wala	4	5	9	4	6	10
31	Gandhu Kalan	5	5	10	2	1	3
32	Gandhu Khurd	3	2	5	3	2	5
33	Gobindpura	2	4	6	2	1	3
34	Gorkhnath	2	4	6	2	3	5
35	Guraddi	11	17	28	11	10	21
36	Gurne Kalan	11	13	24	9	8	17
37	Gurne Khurd	3	6	9	3	5	8
38	Hakamwala	8	6	14	6	4	10
39	Hassanpur	2	3	5	2	1	3
40	Heron Khurd	7	7	14	4	5	9
41	Jalwehra	4	4	8	3	3	6
42	Joian	3	3	6	1	2	3
43	Juglan	2	5	7	1	4	5
44	Kahangarh	12	7	19	7	8	15
45	Kalipur	5	5	10	6	6	12
46	Kanakwal Chehlan	5	7	12	3	3	6
47	Kasimpur Chhina	2	5	7	2	3	5
48	Khatttri Wala	3	4	7	4	2	6

Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
49	Khiva Mihan Singh Wala	2	1	3	3	0	3
50	Khudal Kalan	4	5	9	2	3	5
51	Kishangarh	11	12	23	9	7	16
52	Kulana	8	15	23	6	7	13
53	Kulehri	10	11	21	7	7	14
54	Kulrian	43	20	63	34	15	49
55	Lakhiwal	2	2	4	2	1	3
56	Maghanian	3	2	5	3	1	4
57	Mal Singh Wala	8	7	15	3	3	6
58	Malakpur Bhimra	3	1	4	4	3	7
59	Malko	4	5	9	3	5	8
60	Mander	10	6	16	7	7	14
61	Mandhali	7	6	13	3	4	7
62	Phulluwala Dod	2	1	3	1	1	2
63	Phulluwala Dogra	6	7	13	4	5	9
64	Piplian	3	4	7	2	2	4
65	Rali	11	13	24	5	10	15
66	Ramgarh	1	1	2	1	0	1
67	Ramgarh Bhathal	6	8	14	6	5	11
68	Ramgarh Shahpurian	5	2	7	5	0	5
69	Rampur Mander	9	5	14	7	4	11
70	Ranghrial	13	9	22	9	3	12
71	Reond Kalan	6	4	10	4	2	6
72	Reond Khurd	4	3	7	3	2	5
73	Saide Wala	10	6	16	7	5	12
74	Sandli	1	1	2	1	1	2
75	Sanghreri	4	3	7	4	2	6
76	Saspali	5	2	7	4	1	5
77	Sati Ke	7	3	10	4	1	5
78	Shekhupur Khudal	11	8	19	10	6	16
79	Sher Khan Wala	3	3	6	0	2	2
80	Sirsi Wala	3	3	6	2	1	3
81	Tahlian	4	6	10	3	3	6
82	Talib Wala	3	6	9	3	5	8
83	Toderpur	1	0	1	0	0	0
84	Uddat Saide Wala	4	8	12	4	2	6
Grand Total		700	715	1415	529	457	986

Village-wise cancer incidence cases and mortality cases: Khiala Kalan, Mansa District (2013-2020)

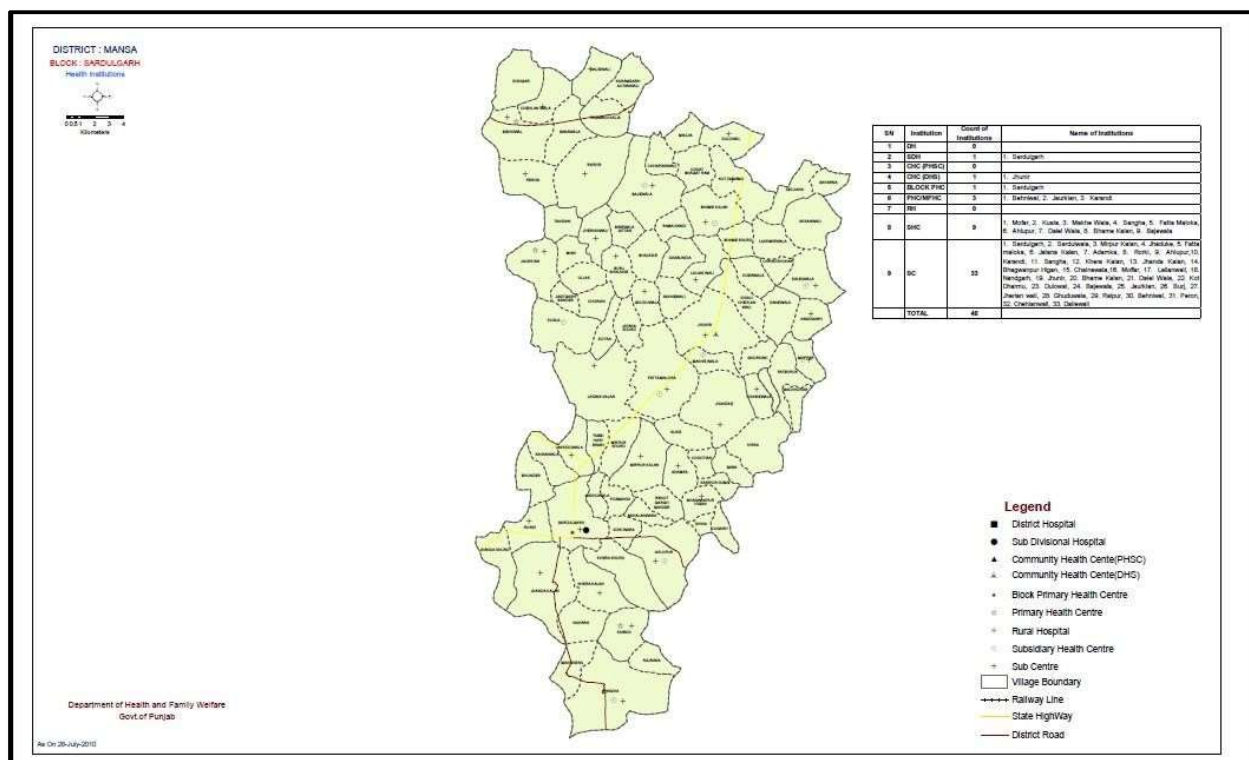


Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Aklia	17	34	51	10	26	36
2	Ali Sher Kalan	4	5	9	3	3	6
3	Ali Sher Khurd	3	1	4	1	0	1
4	Anoopgarh	2	2	4	2	2	4
5	Aspal	3	1	4	2	1	3
6	Atla Kalan	8	6	14	6	3	9
7	Atla Khurd	3	5	8	2	8	10
8	Bapiana	6	9	15	5	7	12
9	Barnala	10	8	18	10	4	14
10	Bhai Desa	3	7	10	2	3	5
11	Bhaini Bagha	18	30	48	12	20	32

Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
12	Bhikhi	43	50	93	34	31	65
13	Bhupal Kalan	12	14	26	8	8	16
14	Bhupal Khurd	2	0	2	2	1	3
15	Bir Khurd	1	10	11	2	6	8
16	Burj Dhilwan	15	10	25	12	8	20
17	Burj Hari	8	17	25	8	11	19
18	Burj Jhabbar	2	2	4	2	1	3
19	Burj Rathī	10	11	21	6	7	13
20	Chakerian	2	11	13	2	6	8
21	Dalel Singh Wala	11	12	23	9	11	20
22	Dhaipi	7	10	17	5	6	11
23	Dhalewan	10	11	21	5	6	11
24	Gagowal	3	2	5	3	2	5
25	Gehle	6	7	13	3	2	5
26	Gharangna	11	8	19	9	4	13
27	Gurthari	1	7	8	1	4	5
28	Heron Kalan	17	14	31	13	7	20
29	Hire Wala	6	9	15	4	4	8
30	Hodla Kalan	10	7	17	7	6	13
31	Jassarwal	0	3	3	0	3	3
32	Jawaharke	13	21	34	6	14	20
33	Joga	31	30	61	26	23	49
34	Kahllon	5	8	13	4	7	11
35	Khara	14	11	25	12	7	19
36	Kharak Singh Wala	6	12	18	4	5	9
37	Khiala Kalan	24	18	42	16	14	30
38	Khiala Khurd	2	2	4	2	3	5
39	Khillan	8	5	13	5	3	8
40	Khiva Dyalu	3	6	9	2	2	4
41	Khiva Kalan	14	21	35	10	10	20
42	Khiva Khurd	4	5	9	4	2	6
43	Khokhar Kalan	11	10	21	10	4	14
44	Khokhar Khurd	8	8	16	7	6	13
45	Kishangarh Urf Pharwahi	17	13	30	15	12	27
46	Kot Lallu	5	10	15	4	6	10
47	Kotli Kalan	13	21	34	8	13	21
48	Kotra Kalan	15	17	32	9	11	20

Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
49	Maan Bibrian	5	6	11	4	1	5
50	Makha	13	11	24	9	7	16
51	Makha Chehlan	5	13	18	5	9	14
52	Malakpur	6	9	15	4	8	12
53	Mansa	192	223	415	130	116	246
54	Mansa Kanchiyan	3	5	8	1	3	4
55	Mansa Khurd	3	10	13	2	2	4
56	Maojo kalan	1	2	3	1	0	1
57	Maojo Khurd	11	4	15	9	1	10
58	Matti	5	12	17	5	7	12
59	Mohar Singh Wala	3	8	11	3	4	7
60	Moola Singh Wala	2	2	4	1	2	3
61	Moosa	19	10	29	14	5	19
62	Nangal Kalan	27	31	58	20	19	39
63	Nangal Khurd	8	14	22	4	11	15
64	Narinder Pura	2	7	9	2	4	6
65	Phaphre Bhai Ke	9	17	26	7	8	15
66	Ralla	17	30	47	11	15	26
67	Ramditta Wala	3	8	11	1	7	8
68	Rar	10	9	19	2	5	7
69	Sadda Singh Wala	8	7	15	4	5	9
70	Samaon	15	15	30	10	6	16
71	Tamkot	7	10	17	8	9	17
72	Thuthianwali	10	15	25	10	7	17
73	Ubha	6	17	23	5	14	19
Total		837	1036	1873	606	628	1234

Village-wise Cancer Incidence Cases and Mortality Cases: Sardulgarh, Mansa District (2013-2020)



Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
1	Adam Ke	2	3	5	2	3	5
2	Ahlupur	8	13	21	6	6	12
3	Akkanwali	5	3	8	1	2	3
4	Ali Ke	3	3	6	2	3	5
5	Bajewala	8	8	16	10	9	19
6	Banawali	0	7	7	1	3	4
7	Behniwal	10	14	24	6	3	9
8	Bern	1	2	3	1	3	4
9	Bhagwanpur Hingna	2	4	6	2	3	5
10	Bhalai Ke	5	3	8	5	0	5
11	Bhallanwara	1	2	3	1	1	2

Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
12	Bhamme Kalan	9	13	22	7	10	17
13	Bhamme Khurd	5	6	11	4	5	9
14	Bhunder	10	3	13	10	3	13
15	Bire Wala Jattan	4	6	10	4	3	7
16	Burj Bhalai Ke	0	5	5	0	6	6
17	Chachohar	1	1	2	1	1	2
18	Chahlanwala	8	10	18	7	5	12
19	Chaine Wala	4	4	8	4	2	6
20	Chhapian Wali	2	1	3	1	0	1
21	Chotian	2	4	6	0	4	4
22	Chuhrian	4	3	7	3	2	5
23	Dalelwala	8	11	19	2	8	10
24	Dalie Wali	5	4	9	5	3	8
25	Dane Wala	4	9	13	3	4	7
26	Dasoundhia	6	3	9	4	5	9
27	Deluana	4	4	8	1	3	4
28	Dhingana	0	1	1	0	0	0
29	Dhingar	11	9	20	7	7	14
30	Dulowal	14	7	21	12	4	16
31	Fatehpur	12	1	13	10	1	11
32	Fatta Maluke	13	16	29	10	9	19
33	Ghurkani	3	6	9	0	4	4
34	Gudduwala	4	3	7	3	0	3
35	Hirke	9	6	15	6	3	9
36	Jagat Garh Bandran	4	2	6	3	2	5
37	Jatana Kalan	8	9	17	6	4	10
38	Jatana Khurd	0	3	3	0	1	1
39	Jhanda Kalan	7	12	19	6	8	14
40	Jhanda Khurd	8	11	19	5	3	8
41	Jhandu Ke	10	17	27	7	10	17
42	Jherianwali	3	5	8	3	2	5
43	Jhunir	22	20	42	16	14	30
44	Jourkian	5	12	17	6	7	13
45	Kahne Wala	6	4	10	5	1	6
46	Karamgarh Autanwali	1	7	8	1	6	7
47	Karandi	8	4	12	4	2	6
48	Karipur Dumb	1	1	2	1	1	2

Sr. No.	Village Name	Incidence (2013-2020)			Mortality (2013-2020)		
		Male	Female	Total	Male	Female	Total
49	Kauriwara	3	1	4	2	0	2
50	Khaira Kalan	9	3	12	8	2	10
51	Khaira Khurd	19	7	26	14	3	17
52	Khiali Chehlanwali	6	8	14	4	9	13
53	Kore Wala	4	7	11	3	4	7
54	Kot Dharmu	14	11	25	11	5	16
55	Kotra	5	4	9	4	3	7
56	Kusla	7	10	17	2	7	9
57	Lakhmirwala	5	5	10	4	3	7
58	Lallianwali	7	6	13	6	4	10
59	Lohar Khera	0	1	1	0	0	0
60	Lohgarh	3	10	13	3	8	11
61	Makha	0	1	1	0	1	1
62	Makhe Wala	7	12	19	4	10	14
63	Man Khera	3	8	11	2	6	8
64	Mian	4	1	5	4	0	4
65	Mirpur Kalan	6	12	18	6	10	16
66	Mirpur Khurd	3	4	7	2	4	6
67	Moda	1	0	1	0	0	0
68	Moffar	4	2	6	3	1	4
69	Mojia	4	6	10	4	4	8
70	Nahrn	0	4	4	0	1	1
71	Nandgarh	5	7	12	5	6	11
72	Peron	9	7	16	8	8	16
73	Phus Mandi	4	2	6	3	1	4
74	Raipur	16	17	33	12	8	20
75	Raj Rana	2	3	5	2	0	2
76	Rama Nandi	3	2	5	2	4	6
77	Ranjitgarh Bander	3	5	8	2	1	3
78	Rorki	5	7	12	3	5	8
79	Sadhuwala	2	3	5	2	1	3
80	Saharna	8	4	12	8	1	9
81	Sahniawali	2	4	6	2	2	4
82	Sangha	8	8	16	7	4	11
83	Sardulewala	9	4	13	6	2	8
84	Sardulgarh	42	40	82	27	21	48
85	Talwandi Akalia	3	6	9	2	4	6
86	Tandian	8	8	16	5	5	10
87	Tibbi Hari Singh	1	3	4	0	2	2
88	Uddat Bhagat Ram	5	7	12	4	5	9
89	Ullak	5	4	9	4	2	6
Total		524	569	1093	394	356	750

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24. Acknowledgement

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25. Annexure

Release of fourth annual report of the Mansa population-based cancer registry

The fourth annual report of population-based cancer registry of Chandigarh and Punjab State was released on 8th February 2021 in the presence of Director HBCH & RC Prof. (Dr.) Rakesh Kapoor, Prof. Dr. Atul Budukh and all the dedicated Consultants of the Hospital. Amidst the COVID-19 situation they joined the meeting virtually. While releasing the report, 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>

WORKSHOPS/ TRAININGS ATTENDED



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



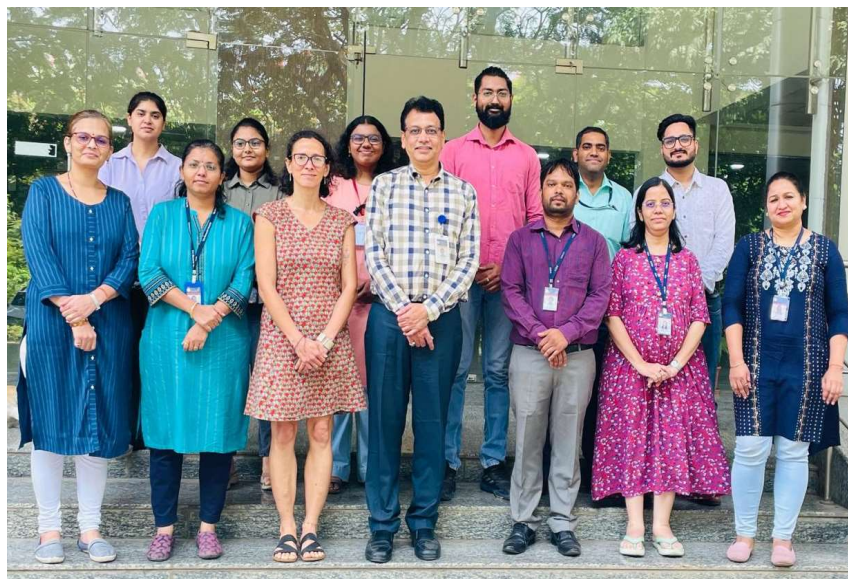
Punjab Cancer Registry Staff Attended the Workshop on “Setting up of Cancer Registry” organized by Tata Memorial Centre, Mumbai (TMC) with the help of State Government of Odisha at Homi Bhabha Hall, NISER, Jatni (9th-14th, October 2023)



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

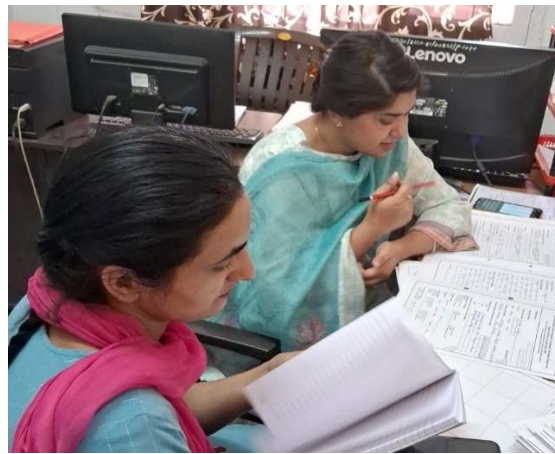


CME on “Cancer Registry, Medical Certification of Cause of Death and Early Detection Screening & prevention of Common Cancers” (5th July and 6th July 2024) at SGRD, Amritsar organized by HBCH& RC Punjab in collaboration with SGRD Amritsar



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
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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>

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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
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