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

Second Year Report of the Population-Based Cancer Registry

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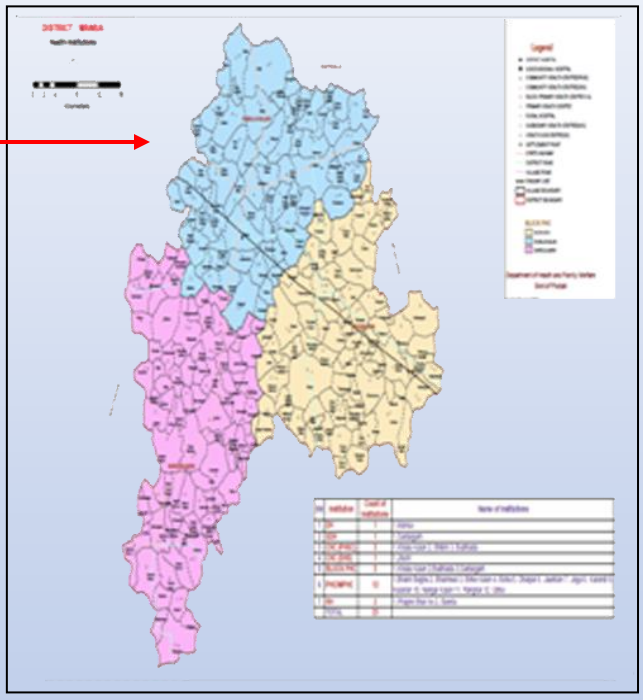
Mansa District, Punjab State, North India



Mansa District, Punjab State

Tata Memorial Centre, Mumbai, India

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

Ministry of Health, Government of Punjab State, India

Civil Hospital, Mansa District, Punjab State, India

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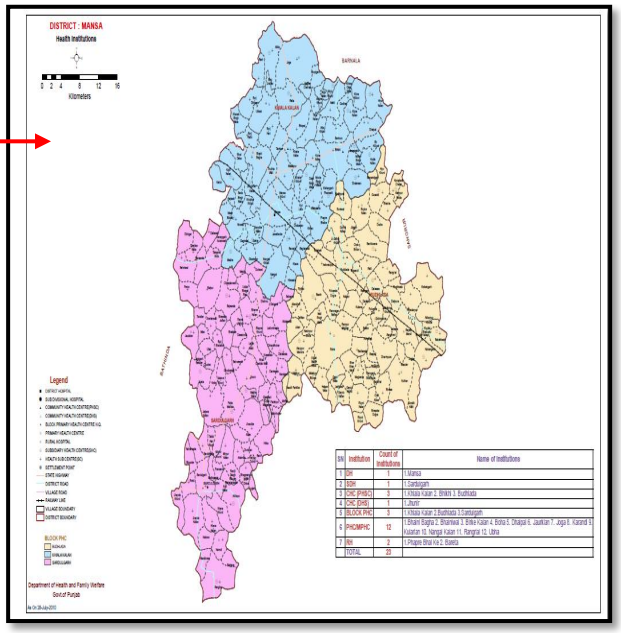

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Dr. Atul Budukh	Co -Principal Investigator	Asst. Professor of Epidemiology
Dr. Rajesh Dikshit	Co - Investigator	Professor of Epidemiology
Mr. T. Anbumani	Administrator	Project Consultant

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

Name	Role	Designation
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Dr. Jagat Ram	Steering Committee Chairman	Director
Dr. J S Thakur	Co-Principal Investigator	Professor
Dr. Rakesh Kapoor	Co- Investigator	Professor
Dr. Pankaj Malhotra	Co- Investigator	Professor
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Mrs. Kirna	Field Investigator

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Name	Designation
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Dr. R A Badwe Director, TMC, Mumbai	Member
Dr. Subhash C. Varma Professor and Head of Internal Medicine, PGIMER, Chandigarh	Member
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CONTENTS

Executive Summary

Background

Tata Memorial Centre, Mumbai, an autonomous institute under the Department of Atomic Energy Government of India started the Population-Based Cancer Registry in Mansa District on April 1, 2013 in collaboration with the Post-Graduate Institute of Medical Education and Research, 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 subdivisions Mansa, Budhlada and Sardulgarh covering a population of 798,852. The registry covers the urban and rural area of the district (242 villages of the three subdivisions). **More than 75% of the population of the district is rural.**

Registration method

A trained social worker of the registry regularly visits the villages as well as hospitals, pathology laboratories, medical colleges, the cancer center, and the birth and death registration office to collect cancer incident and death cases. The registry staff interact with the village Sarpanch, ANM, ASHA workers, and the primary health center staff periodically to get to know the cancer cases diagnosed in the area as well as the cancer deaths that have occurred in the village. With the help of an ASHA worker, the registry staff interacts with the patient/patient's relative and notes down the information available. This information is then confirmed at the patient's treating hospital. After confirming the patient's residence (residence of at least one year in the district), and the information is double checked by senior staff, the case is registered in the prescribed format. The data entry is carried out in Canreg5 software. Due to continued interactions with the community, we can update the survival status of cancer patients. As of June 1, 2016 we have the survival status of more than 90% of cancer patients. This information will be utilized for cancer survival analysis.

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

Release of the First Year Report of the Mansa Cancer Registry

The first-year report (2013) of the cancer registry was published on March 8, 2016. The report was released on March 8, 2016 at Bhargva auditorium, PGIMER Chandigarh. The occasion was graced by Dr. KK. Talwar, Prof Raj Bhaddur – Vice Chancellor, Ms. Vini Mahajan IAS PSHFW, Punjab, and Dr. Yogesh Chawala, then Director of PGI, Chandigarh. **The message from the first-year report of the cancer registry is that the cancer incidence rates are not high in Mansa district and they are in comparison with other parts of rural India.**

Results

In this issue we are reporting the cancer registry results for the year 2014. This is the second year of the cancer registry. In the year 2014, the cancer registry registered 447 cancer cases. In males, we have 203 cases and in females we have 244 cases. **The age adjusted incidence rate for males is 47.7 per 100,000 and for females the age adjusted incidence rate is 60.0 per 100,000. The cumulative risk for the age group 0-74 in males is 6% (1 in 17 men is at risk of getting cancer) and in females the cumulative risk for the age group 0-74 is 7% (1 in 14 females is at risk of getting cancer).**

Due to improvement in the cancer registration process, we have noted 19 (Males-10, Females-9) late registration incidence cases of the year 2013. After including the late registration cases, the age adjusted incidence rate for males for the year 2013 is 48.1 and for females 58.1 per 100,000.

In the year 2014, the cancer registry has registered 254 cancer deaths. In males we have registered 134 deaths and in females 120 deaths. **The age adjusted mortality rate for males 30.8 per 100,000 and for females it is 30.0 per 100,000. The cumulative risk of death due to cancer in the age group 0-74 in males and females is 3% (1 in 33 males/ females is at risk of death due to cancer).**

In mortality cases, we have noted 6 late registration cases of the year 2013. After including the late registration cases, the age adjusted mortality rate for males for the year 2013 is 29.4 and for females it is 30.9 per 100,000.

Leading Cancer sites

The leading cancer sites in males are the oesophagus, larynx, prostate, liver, and tongue. The leading cancer sites in females are the breast, cervix uteri, oesophagus, ovary and gall bladder. The leading cancer sites are mentioned in Table I and II. Due to fewer numbers of cases the rank of leading sites in males has changed compared to 2013. In females, breast cancer has moved from the second rank in 2013 to the first rank in 2014. This is due to improvements in the case identifying process.

Table I: Leading Cancer Sites in Males: 2014

ICD 10	Sites	Number	CR	AAR	TR
C15	Oesophagus	22	**5.2**	**5.5**	**13.7**
C32	Larynx	13	**3.1**	**3.0**	**5.2**
C61	Prostate	11	**2.6**	**2.5**	**2.9**
C22	Liver	10	**2.4**	**2.3**	**5.6**
C01-02	Tongue	10	**2.4**	**2.3**	**5.6**

CR: Crude incidence rate per 100,000, AAR: Age adjusted incidence rate per 100,000, TR: Truncated incidence rate per 100,000

Table II: Leading Cancer Sites in Females: 2014

ICD 10	Sites	Number	CR	AAR	TR
C50	Breast	51	**13.6**	**12.5**	**31.5**
C53	Cervix Uteri	46	**12.3**	**11.8**	**29.2**
C15	Oesophagus	26	**6.9**	**6.4**	**15.9**
C56	Ovary	14	**3.7**	**3.6**	**8.2**
C23	Gall Bladder	12	**3.2**	**3.0**	**5.8**

CR: Crude incidence rate per 100,000, AAR: Age adjusted incidence rate per 100,000, TR: Truncated incidence rate per 100,000

Under Registration

In the year 2014, we noted 13% of primary unknown cases in males and 3% of primary unknown cases in females. The primary site unknown cases are clearly related to the quality of diagnostic information as well poor documentation of the medical records. Due to continuous interaction with the clinician by the registry staff there was an improvement in the medical documentation and the primary unknown cases percentage has decreased from 15% to 13 % in males and from 8% to 3% in females compared to the year 2013.

There may be under registration or under diagnosis of the cancer incidence and mortality cases. We may have missed the clinically diagnosed cases as well as the internal cancer cases and the pediatric cancer cases. Compared to the year 2013, the registration process has improved and we have registered 447 cases compared to 403 cases in the previous year. Under registration will occur more in urban areas. Due to continuous interaction in the villages, the chances of under registration are lower while the chances of under diagnosis are higher. The quality control exercises were carried out and the results of the quality control are satisfactory.

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.

Figure I: All Site Cancer Incidence Rate –Males

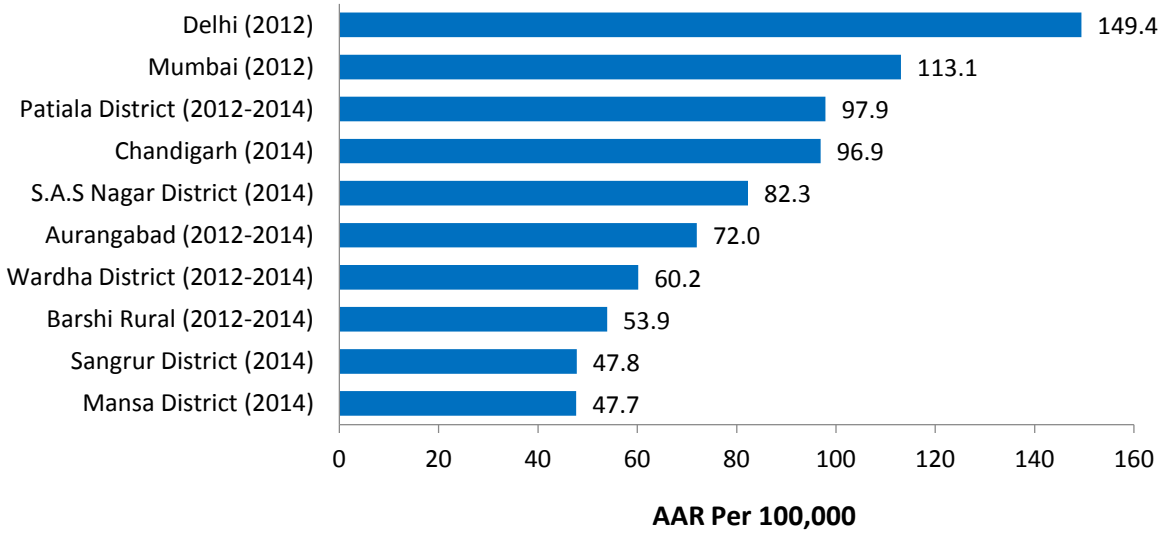
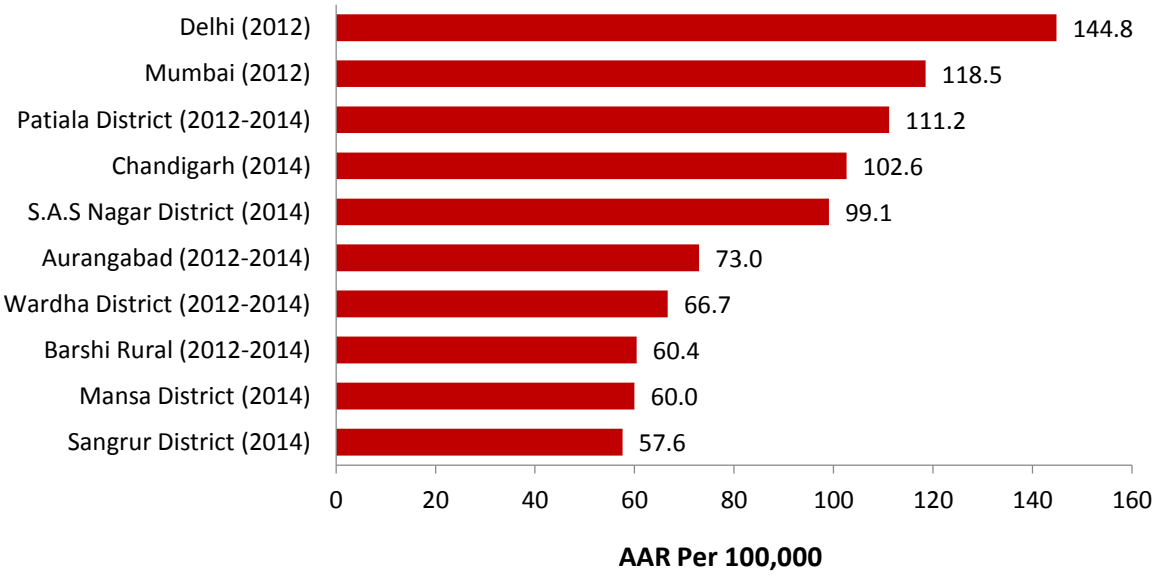


Figure II: All Site Cancer Incidence Rate -Females



Cancer Control Activities in Mansa district

The cancer registry data has estimated that the risk of getting cancer in males is 6% and 7% in females. The major cancers in Mansa district are breast, cervix uteri, oesophagus, larynx and prostate. Most of these cancers are preventable. Based on the observation of the cancer registry, Tata Memorial Centre has started a satellite centre in Sangrur and will establish a comprehensive cancer centre in SAS Nagar. In addition to this, PGIMER Chandigarh is also starting a 500 bedded multispecialty hospital in Sangrur. Cancer awareness programmes need to be implemented particularly for the early detection of breast and cervical cancer. The population-based cancer registry in Mansa will be useful in the future to monitor cancer trends and evaluate the effects of prevention and treatment.

1. Punjab State Profile

Punjab is situated in northwest India. The Indian state borders the Pakistani province of Punjab to the west, Jammu and Kashmir to the north, Himachal Pradesh to the 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 2,77,04,236 (Census, 2011)[1]. The capital of Punjab is Chandigarh, which is administered separately as a Union Territory since it is also the capital of neighboring Haryana.

As per the census of 2011, Punjab has a total population of 2, 77, 04,236 of which 1, 46, 34,819 are males and 1, 30, 69,417 are females. It constitutes 2.29% of the total population of India. Population density of Punjab is 550 persons per sq.km. The population of Punjab, according to the 2011 census stands at about 27 million, making it the 15th most populated state in India.

The state is spread over an area of about 50,000 sq. km. making it the 19thlargest 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 towards 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 1 (Reference: Government of Punjab Website)[2].

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

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

2. Mansa District Profile

Mansa district was formed on April 13, 1992 from the east, while 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 2,174 sq.kms, having a total population of 6,88,630 as per the 2001 census, amounting to 2.9% of the total population of Punjab. In Mansa district, River Ghaghar flows through a distance of 15Kms and Sirhind Drain passes through the entire district and has its out-fall in river Ghaghar. Mansa district is a part of the Bhatinda Parliamentary Constituency. The district has three sub division / tahsils and five blocks. (Reference: Mansa district website)[3]. The Mansa district subdivision and number of villages are presented in Table 2.

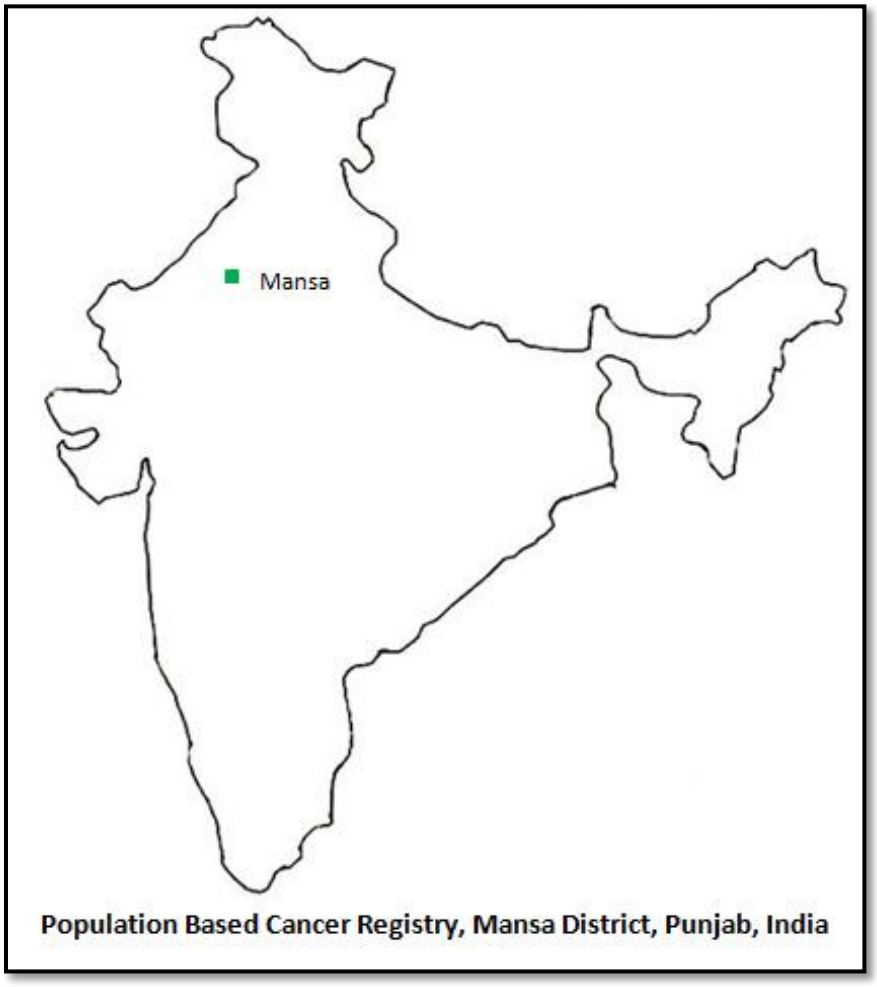


Figure 1: Location of Population Based Cancer Registry Mansa District, Punjab

Table 2: Subdivision/Tahsil under Mansa District

Tehsil	Number of villages	Block
Mansa	72	1. Mansa 2. Bhikhi
Budhlada	82	1. Budhlada
Sardulgarh	88	1. Sardulgarh 2. Jhunir
Total	**242**	

Health infrastructure of Mansa district

Mansa district has one district hospital and one sub district hospital 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 100 sub-centers. The primary health care is taken by these hospitals. The Mansa district hospital provides supportive services to the cancer cases. Detailed information about the hospital and PHC is presented in Table 3.

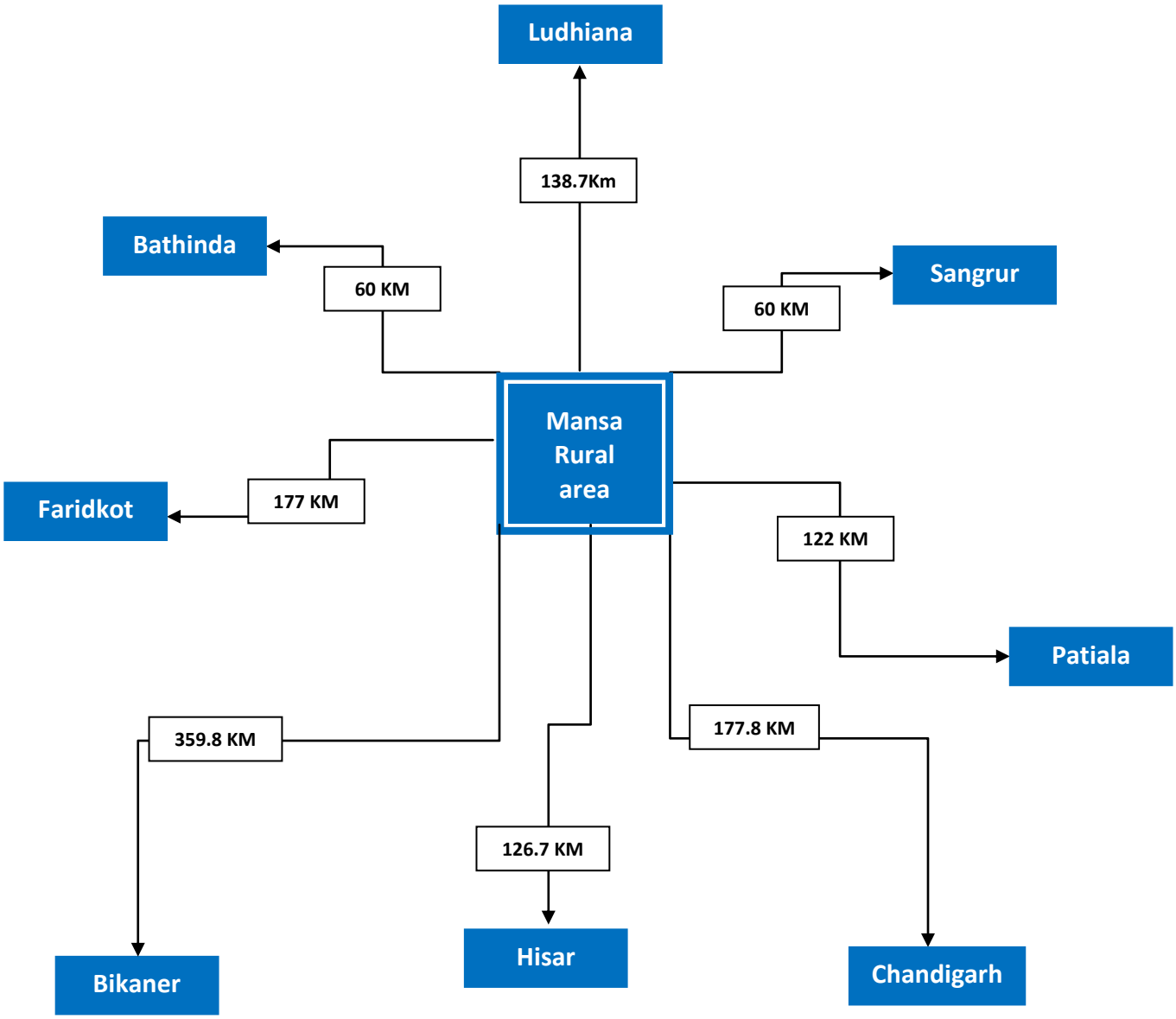
Table 3: Number of Government Hospitals /Health Centers in Mansa district

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 Centre (SC)	103
	Total	**164**

The cancer treatment facility is not available in the district. For cancer treatment the patients from these areas go to Bhatinda, Faridkot, Ludhiana, Chandigarh, Hisar and New Delhi and also to Bikaner, in the state of Rajasthan. The nearest center is Bhatinda (60kms) and the farthest center is Bikaner (360 kms). The distance from Mansa to different cancer treatment centres is shown in Figure 2.

Tata Memorial Centre, Mumbai – an autonomous unit of the Department of Atomic Energy, Government of India with the support of Government of Punjab has started the Homi Bhabha Cancer Hospital in Sangrur district (HBCH). The hospital started functioning in January 2015. The HBCH has surgical, radiotherapy and medical oncology facilities. Since its inception, 4000 cancer patients have been treated. The hospital is listed in the Government sponsor scheme "Mukhmantri Punjab Cancer RahatKoshScheme" for cancer treatment.

Figure 2: Distance from Mansa to the Treatment Centre



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

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

NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF CANCER, DIABETES, CARDIOVASCULAR DISEASES & STROKE
Directorate of Health & Family Welfare
Room No 502 , 4th Floor,
Sector 34 A , Chandigarh
0172-2605600

No. NPCDCS/Pb/2013/ Dated:-11-03-2013

To

1. Civil Surgeons
   Mohali ,Sangrur and Mansa.
2. All empanelled Hospitals
   underMukhMantri Punjab Cancer RahatKosh scheme.

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

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

For the above said purpose , the teams will be visiting various institutions , Public and Private , in your area . As per the orders of Worthy PSHFW , Punjab , you are directed to co-operate and co-ordinate with them in every possible way to make this initiative taken by Punjab Government , a success.

State Programme Officer
Cancer Control Cell

No. NPCDCS/Pb/2013/ Dated:-11-03-2013

A copy of above is forwarded to:-

1. PA to PSHFW , for information of Worthy PSHFW , Punjab please.
2. PA to DHS , for information of Worthy DHS , Punjab please.
3. Civil Surgeon Mohali , Snagrur and Mansa for information and necessary action please.
4. All empanelled Hospitals (Public and Private) under Mukh Mantri Punjab Cancer Rahat Kosh.

4. Population Covered by the Cancer Registry

Mansa district is divided into three subdivisions – Mansa, Budhlada, and Sardulgarh and these divisions are further divided into six blocks (Mansa (Mansa and Bhiki), Budhlada, Sardulgarh (Sardulgarh and Jhunir). As per the 2011 census, the total population of Mansa district is 769,751. Of the total population 606,147 (78.7%) is rural and 163604 (21.3%) is urban. Of the total population, males are 53.1% and females are 46.9%.The population as per 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	606147 (78.7%)	322184	283963
Urban	32398	163604 (21.3%)	86548	77056
Total	**149630**	**769751**	**408732 (53.1%)**	**361019 (46.9%)**

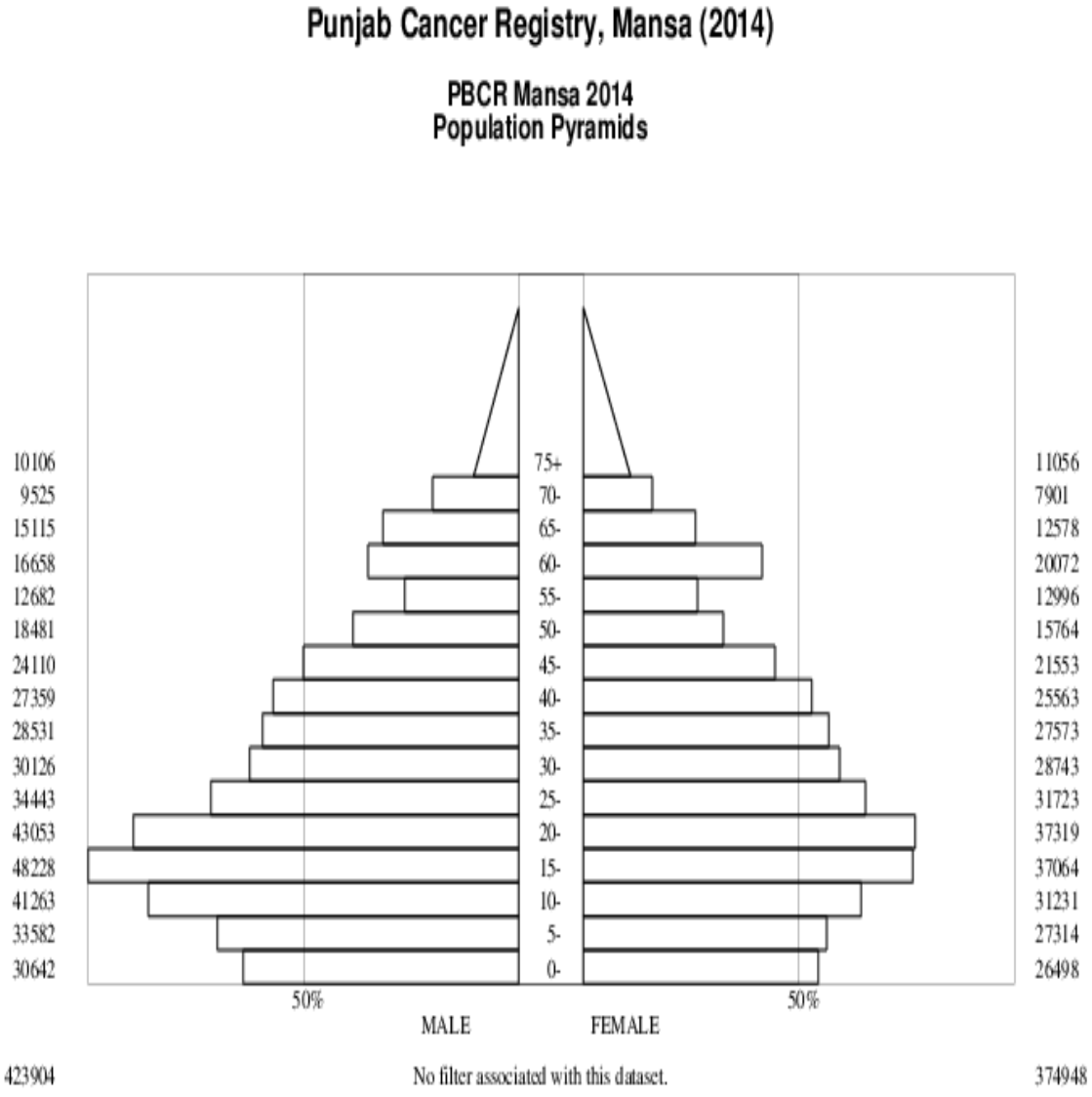
Estimated Population of Mansa district in 2014

The registry population for 2014 was estimated by the exponential growth rate using the growth rate for the 2001 to 2011 census population. As a result, in 2014 there are 423,904 males and 374,948 females. More than 75% of the population is rural and depends on agricultural activities. The estimated population of 2014 is presented in Table 5. The population pyramid of Mansa district is shown in Figure 3.

Table 5: Estimated Population of Mansa district as of 1st July 2014

Age-group	Male	%	Female	%	Total	%
0-4	30642	7.23	26498	7.07	57140	7.15
5-9	33582	7.92	27314	7.28	60896	7.62
10-14	41263	9.73	31231	8.33	72494	9.07
15-19	48228	11.38	37064	9.89	85292	10.68
20-24	43053	10.16	37319	9.95	80372	10.06
25-29	34443	8.13	31723	8.46	66166	8.28
30-34	30126	7.11	28743	7.67	58869	7.37
35-39	28531	6.73	27573	7.35	56104	7.02
40-44	27359	6.45	25563	6.82	52922	6.62
45-49	24110	5.69	21553	5.75	45663	5.72
50-54	18481	4.36	15764	4.2	34245	4.29
55-59	12682	2.99	12996	3.47	25678	3.21
60-64	16658	3.93	20072	5.35	36730	4.60
65-69	15115	3.57	12578	3.35	27693	3.47
70-74	9525	2.25	7901	2.11	17426	2.18
75+	10106	2.38	11056	2.95	21162	2.65
Total	**423904**	**100**	**374948**	**100**	**798852**	**100**

Figure 3: Population Pyramid of Mansa district on 1st July 2014



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 cancer deaths noted in the village administrative office. Field staff interact with the village Sarpanch, Auxiliary Nurse Midwife (ANM), Anganwadi workers, ASHA workers and a medical officer of the primary health centre to know the information of cancer cases diagnosed in the villages and to record whether any cancer deaths have occurred in the villages. The social worker takes detailed information of the cancer case and visits the patient's house along with the ASHA workers. The field staff interact with the patient or patient's relative and asks the following questions:

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

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

In the second visit, field staff update status of the cancer cases. They also identify any new cancer cases or deaths in the villages and repeat the same procedure mentioned above. This is a continuous process of village visits.

Cancer Death Cases

During the village visit, the social worker enquires about cancer deaths that have happened in the village. The social worker also collects the death case information from the village birth and death office. In the same manner as the cancer incidence cases, the field staff interact with the patient's relative and enquire about the deaths that have happened. 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 come across the cases diagnosed before 2013. The field staff take detailed information of the cancer case from the patient's relative and maintain the data in the registry office. In the second visit, field staff update the status of the cancer cases. If there is any death of the prevalent case in that year, then after matching with the registry record, the cancer death is registered.

Cancer Prevalence Cases

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

Data Checking

All the cases collected by the field staff from the villages as well from the hospital 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 is coded in ICD-O3.

Data Entry

The data entry was carried out in the CanReg5 software developed by the International Agency for Research on Cancer, Lyon, France.
After all, the quality checks the cancer incidence and death case registered.
The cancer registration process is presented in Figure 4.

Cancer Case Data Collection from Hospitals and Nursing Centers

Registry staff regularly visit the following centers to collect information of the cancer cases and death cases from the Mansa districts. The Chandigarh and SAS Nagar PBCR Staff appointed by TMC regularly visit all the hospitals from 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.

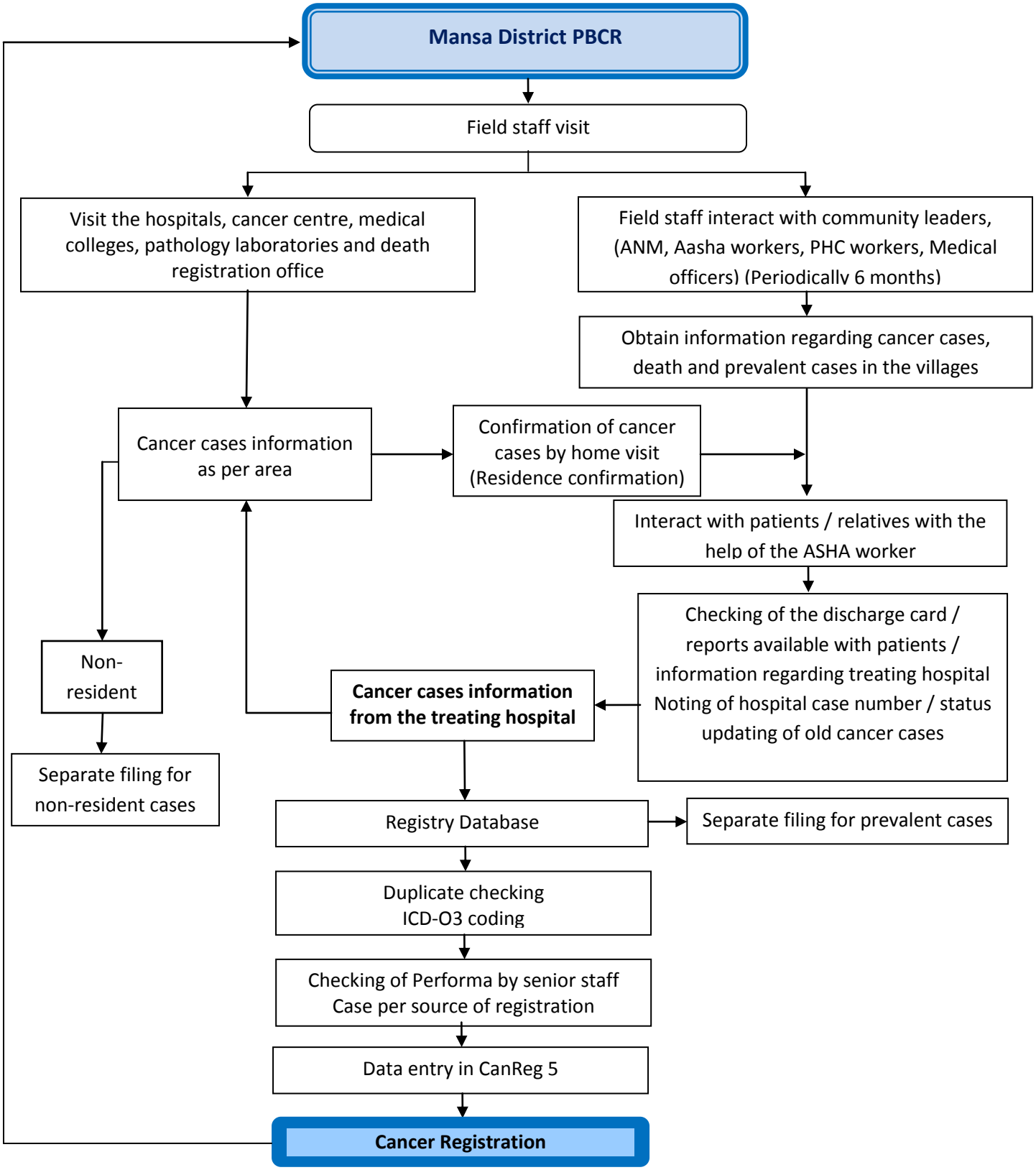
Table 6: Different Sources of Data Collection

Sr. No.	Institution Name	Place
1	Cancer Control Cell	Mansa
2	SDH Sardulgarh	Mansa
3	CHC Jhunir	Mansa
4	CHC Bhikhi	Mansa
5	CHC Khiala Kalan	Mansa
6	CHC Budhlada	Mansa
7	Raikhy Nursing Home	Mansa
8	Janak Raj Nursing Home	Mansa
9	Jindal Diagnostic Center	Mansa
10	Brar Nursing Home	Mansa
11	Sran Hospital	Mansa
12	Akashdeep Nursing Home	Mansa
13	Dr. Amritpal Nursing Home	Mansa

14	Medilife Cancer Research Center	Mansa
15	Chandigarh Path Lab	Mansa
16	Ankush Path lab	Mansa
17	Paul Path lab	Mansa
18	Satyam Diagnosis Center	Mansa
19	Mansa (Birth & Death register)	Mansa
20	Sardulgarh (Birth & Death register)	
21	Budhlada (Birth & Death register)	
22	Cancer Control Cell	Bhathinda
23	Bansal Cancer Hospital	Bhathinda
24	Dhillon Hospital	Bhathinda
25	Max Hospital	Bhathinda
26	Punjab Cancer Care	Bhathinda
27	Dr. Monika Path Lab	Bhathinda
28	Dr. Deepali Path Lab and Cancer diagnostic center	Bhathinda
29	Sheena Path Lab	Bhathinda
30	Harmone Path Lab	Bhathinda
31	Bhatinda (Birth & Death register)	Bhathinda
32	Post Graduate Institute of Medical Education and Research/PBCR Chandigarh	Chandigarh
33	Govt. Multi specialty hospital sector 32	Chandigarh
34	Rajindra Medical Hospital	Patiala
35	Amar Hospital	Patiala
36	Dr. Lal Path Lab	Patiala
37	Mohandai Oswal Cancer Hospital	Ludhiana
38	Dayanad Medical College & Hospital	Ludhiana
39	Christian Medical College & Hospital	Ludhiana
40	Max Super specialty	SAS Nagar
41	Fortis Hospital	SAS Nagar
42	Homi Bhabha Cancer Hospital	Sangrur
43	Guru GobindSingh Medical College & Hospital	Faridkot
44	Acharya Tulsi das Regional Cancer Center Research & Hospital	Bikaner
45	Shiromani Gurudwara Prabhantak committee (SGPC)	Amritsar

CHC: Community Health Centre.

Figure 4: Cancer Registration Method



6. Community Involvement in the Cancer Registration Process

Cancer patients from this area travel 60 kms to 360 kms for cancer treatment. It is practically difficult for the registry staff to visit these entire centers regularly. The Punjab Government has conducted a door to door campaign and household survey to know the prevalence of cancer in each district of the state[11].Due to these programs the community leaders are aware of the importance of the disease and cancer registration process. The primary health centre staff such as ANM and the supportive staff, Anganwadi workers, and ASHA workers keep the information of the cancer incidence and death cases that have occurred in the village. The trained field staff from the registry continuously interact with these community members to get to know the cancer cases' information in the villages.

Due to community interaction, we are 100% sure about the residence confirmation of the cancer cases. Due to interaction with the patients/patient's relatives, they provide the demographic information such as education, income, religion, etc. Due to regular village visits and interactions with the community, we update the status of the cancer patients, which will be utilized for the cancer survival analysis. In the initial period the two major cancer centers refused to provide the cancer cases data. In this situation, due to field visits and interactions with community leaders we are able to get the information of the cancer cases from the village after contacting patients / their relatives through these community leaders. **As compared to the previous year we have interacted more with the urban community leaders and our case finding has improved in the urban area compared to the year 2013. In the previous year we have interacted with 1,419 community leaders and in the year 2014 we have interacted with 1,699 community representatives from 242 villages.**

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

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

Block Name	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	Total
KhialaKalan	72	07	2	16	1	47	207	234	25	611
Budhlada	82	06	2	7	1	51	203	282	8	642
Sardulgarh	88	13	1	15	1	47	136	140	5	446
Total	**242**	**26**	**5**	**38**	**3**	**145**	**546**	**656**	**38**	**1699**

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 2014, 447 incidence cases (203 males and 244 females) have been registered. For the same period, 254 cancer deaths have been registered (134 males and 120 females). The overall M/I ratio is 57%. In males it is 66% and females it is 49%. The M/I ratio reported is comparable with the other rural cancer registries in the country [4].

Reabstraction of the Cases

A quality control exercise was carried out for the improvement of the records and for the retraining of the staff. We have taken 418 cases registered up to December 2016. Medical personnel from PGI have selected 40 cases (randomly 10% of cases) for reabstraction. During the quality control exercise, it was observed that staff needed to be retrained in the abstraction of cases with the primary site unknown, metastatic cases, and lymphoma-leukemia cases. Based on the results, the staff was retrained at TMC/ PGI Chandigarh. The data were modified and reentered.

Incidence Rates of Childhood Cancers

In the year 2014, we registered 8 cases in boys and 2 cases in girls. The age specific incidence rate by sex is mentioned below in Table 8. We may have missed pediatric cancer cases.

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

Age group	Boys		Girls	
	Number of cases	Age Specific Rate	Number of cases	Age Specific Rate
0-4	1	3.3	1	3.8
5-9	3	8.9	0	0
10-14	4	9.7	1	3.2

Microscopic Verification of the Cases

In the year of 2014, out of 203 male cases, 188 (92.6%) were diagnosed on microscopic verification. 3.9% of cases were diagnosed on the basis of radiological findings. Most of the other and unspecified cases were diagnosed on radiology (e.g. lymph node, primary site unknown cases). In females, out of 244 cases 229 cases (93.9%) were diagnosed on microscopic verification. Around 2% of cases were diagnosed on radiological findings. There may be under-registration of the clinically diagnosed cases.

Death Certificate Only (DCO Cases)

We have registered 5(2.5%) cases in males and 6(2.5%) cases in females under the DCO/ Other category. The death cases 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 only the death certificate. Due to improvement in the cancer registration process the DCO cases were less than 5%.

Per Source Case 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 2.00. The coverage of sources is very good. In total we have 447 cancer cases; of these 34 (7.6%) cases have more than two sources of registration, 337 (83%) cases have two sources of registration and 41 (9.2%) cases have one source of registration. The per source case registration is very good in the Mansa population-based cancer registry.

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

The first information of the cancer case diagnosed/ cancer death is from the village visit due to interaction with the community. After documentation, these cases are further confirmed from hospital records**. More than 50% of cases first source of information is from the village visit. As compared with the previous year, the first source of registration as a village visit has decreased by 16% (from 71% to 54%).** The cancer incidence and death cases registered by source of registration are mentioned in Table 9 and Table 10.

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

Sr. No.	Source of registration	Male	%	Female	%	Total	%
1	Village Visit	105	52.24	137	56.15	242	54.38
2	Guru Gobind Singh Medical College & Hospital, Faridkot	32	15.92	42	17.21	74	16.63
3	Post Graduate Institute of Medical Education & Research, Chandigarh	24	11.94	24	9.84	48	10.79
4	Achariya TulsiDas Cancer Research Center, Bikaner	4	1.99	10	4.10	14	3.15
5	Rajindra Hospital, Patiala	1	0.50	2	0.82	3	0.67
6	Birth & Death Registrar, Dist. Mansa	5	2.49	3	1.23	8	1.80
7	Max Super Specialty Hospital, Bhatinda	3	1.49	5	2.05	8	1.80
8	Mohandai Oswal Hospital, Ludhiana	4	1.00	0	0.00	2	0.45
9	Civil Hospital Mansa (Cancer Cell or MMPCRKS)	16	7.96	14	5.74	30	6.74
10	Homi Bhabha Cancer Hospital Sangrur	0	0.00	3	1.23	3	0.67
11	Akashdeep Nursing Home	1	0.50	0	0.00	1	0.22
12	Dr. Amritpal Nursing Home, Mansa	2	1.00	0	0.00	2	0.45
13	Fortis Hospital, Mohali	0	0.00	1	0.41	1	0.22
14	MAX Multispecialty Hospital, Mohali	0	0.00	1	0.41	1	0.22
15	Government Medical College and Hospital, Chandigarh	1	0.50	1	0.41	2	0.45
16	Government Multi Specialty and Hospital, Chandigarh	1	0.50	0	0.00	1	0.22
17	Dayanad Medical College & Hospital, Ludhiana	1	0.50	0	0.00	1	0.22
18	Raikhy Nursing Home, Mansa	2	1.00	0	0.00	2	0.45
19	Monika Path Lab, Bhatinda	1	0.50	1	0.41	2	0.45
	Total	**203**	**100**	**244**	**100**	**447**	**100**

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

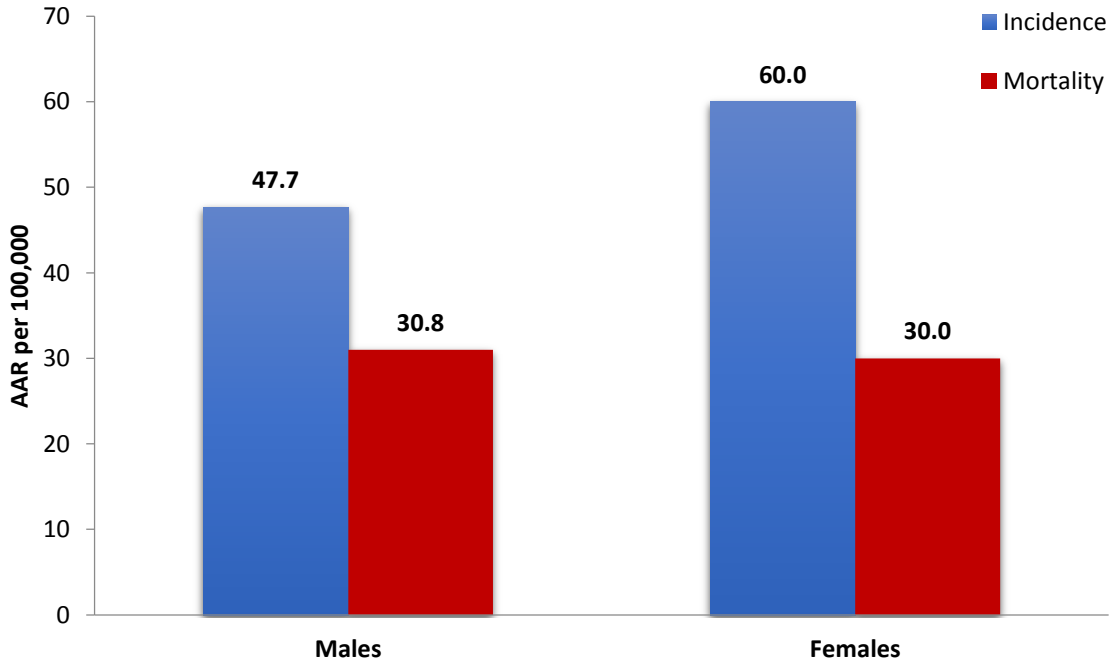
Sr. No.	Source of Registration	Male	%	Female	%	Total	%
1.	Village Visit	88	65.67	73	60.83	161	63.40
2.	Guru Gobind Singh Medical College &Hospital Faridkot	20	14.93	21	17.50	41	16.14
3.	Birth & Death Registrar, Dist. Mansa	8	5.97	8	6.67	16	6.30
4.	Post Graduate Institute of Medical Education & Research, Chandigarh	6	4.48	6	5.00	12	4.72
5.	AchariyaTulsiDas Cancer Reasearch Center, Bikaner	6	4.48	7	5.83	13	5.12
6.	Government Medical College and Hospital,Chandigarh	1	0.75	0	0.00	1	0.39
7.	Max Super Specialty Hospital, Bhatinda	1	0.75	1	0.83	2	0.79
8.	Government Multi Specialty and Hospital, Chandigarh	0	0.00	1	0.83	1	0.39
9.	Dayanad Medical College & Hospital, Ludhiana	0	0.00	1	0.83	1	0.39
10.	Civil Hospital Mansa (Cancer Cell or MMPCRKS)	2	1.49	0	0.00	2	0.79
11.	Rajindra Hospital, Patiala	1	0.75	2	1.67	3	1.18
12.	Dr. Amritpal Nursing Home, Mansa	1	0.75	0	0.00	1	0.39
Total		**134**	**100**	**120**	**100**	**254**	**100**

9. Cancer Incidence and Mortality – All Sites

In the year 2014, the cancer registry registered 447 cancer cases. In males, we had 203 cases and in females we had 244 cases. The age adjusted incidence rate for males was 47.7 per 100,000 and for females it was 60.0 per 100,000.

In the year 2014, the cancer registry has registered 254 cancer deaths. In males, we have registered 134 deaths and in females 120 deaths. The age adjusted mortality rate for males is 30.8 per 100,000 and for females it is 30.0 per 100,000. The cancer incidence and mortality rates for all sites for males and females are presented in Figure 5.

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



10. Leading Cancer Sites By Sex

In males, Oesophagus, Larynx, Prostate, Brain, Tongue, Liver, Lung, Myeloid leukemia, Lymphoid Leukemia and NHL are the leading cancer sites. The top ten leading cancer sites rates are presented in Figure 6. In females Breast, Cervix uteri, Oesophagus, Ovary, Gall Bladder, Myeloid Leukemia, Kidney, Lung, Brain and Thyroid cancer are the leading cancer sites. The top ten 10 leading cancer sites are presented in Figure 7.

Figure 6: Leading Cancer Sites in Males (Figures in parenthesis indicate the percentage)

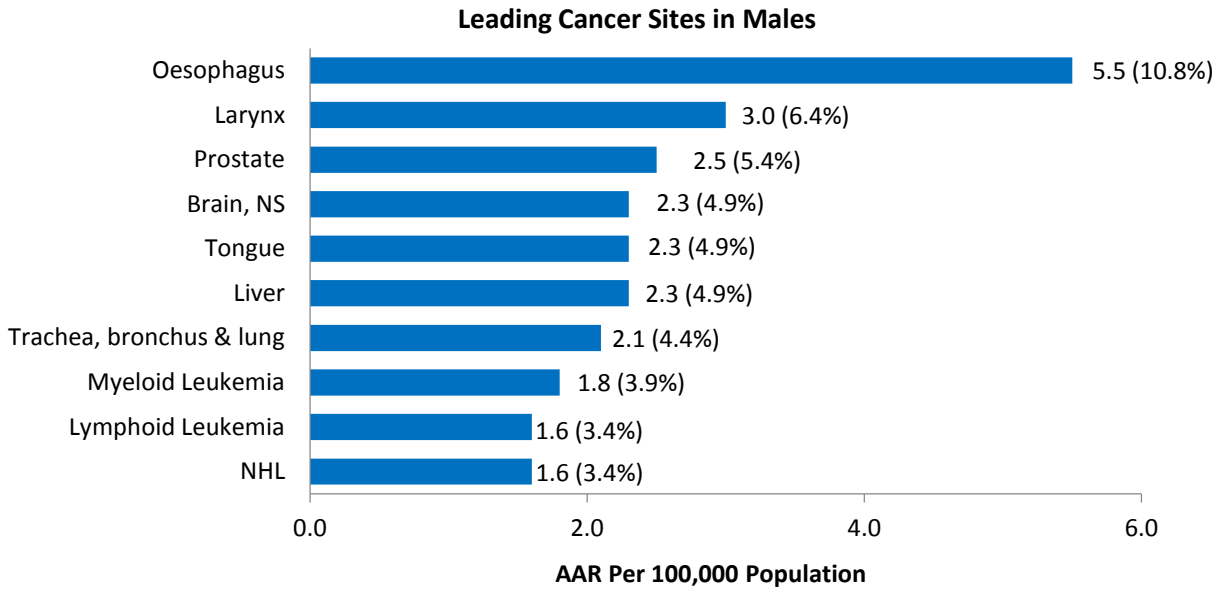
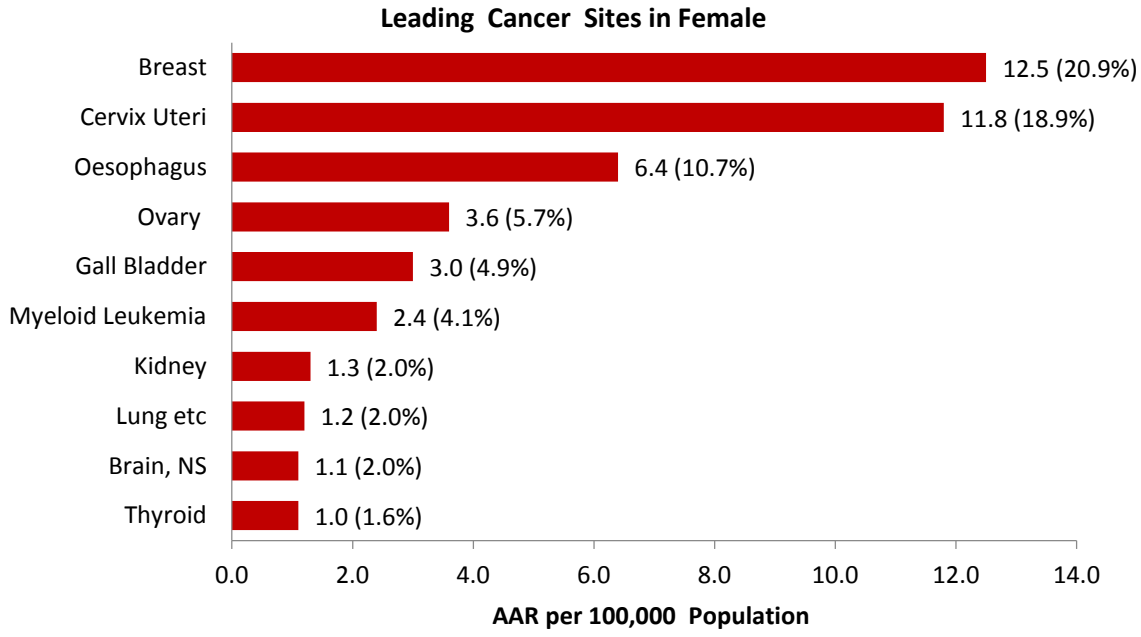


Figure 7: Leading Cancer Sites in Female (Figures in parenthesis indicate the percentage)



Cancer of Oesophagus (C15)

	Male	Female
Number of cases	22	26
% to total cases	10.8	10.7
Crude incidence rate per 100,000	5.2	6.9
Age adjusted incidence rate per 100,000	**5.5**	**6.4**
Truncated rate per 100,000	13.7	15.9

Figure 8: Age Specific Incidence Rate of Ca Oesophagus (C15)

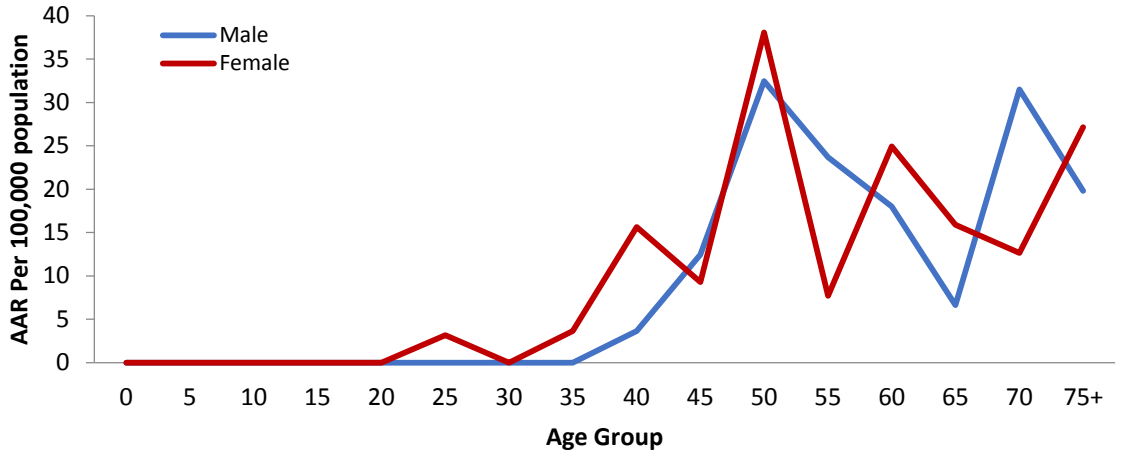
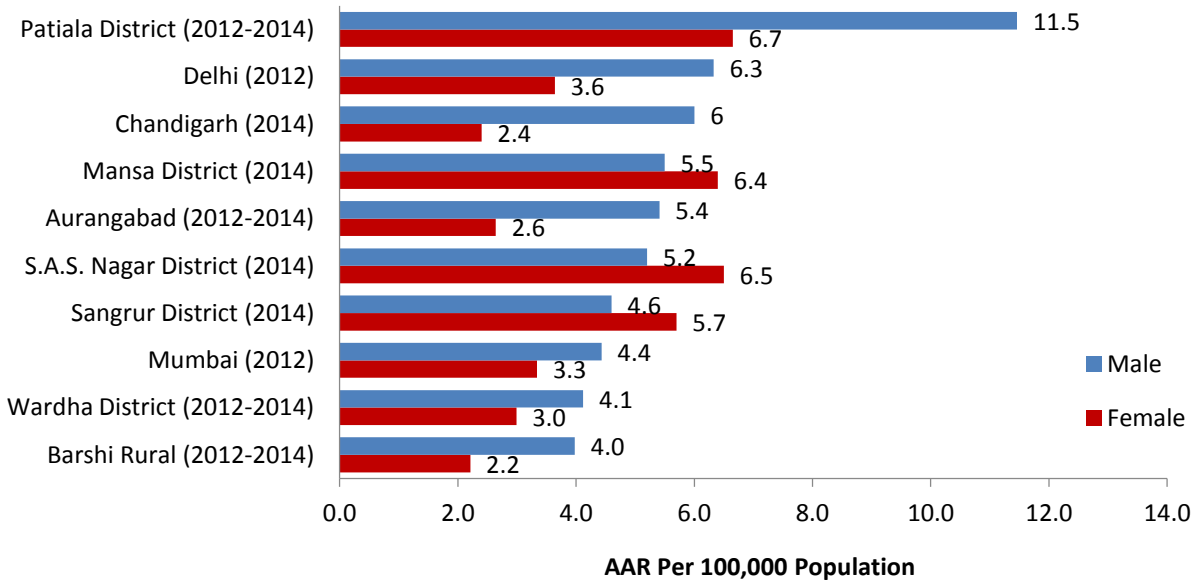


Figure 9: Comparison of Oesophagus Cancer Incidence Rate with Other Indian Registries



Cancer of Larynx (C32)

	Male
Number of cases	13
% to total cases	6.5
Crude incidence rate per 100,000	3.1
Age adjusted incidence rate per 100,000	**3.0**
Truncated rate per 100,000	5.2

Figure 10: Age Specific Incidence Rate of Ca Larynx (C32)

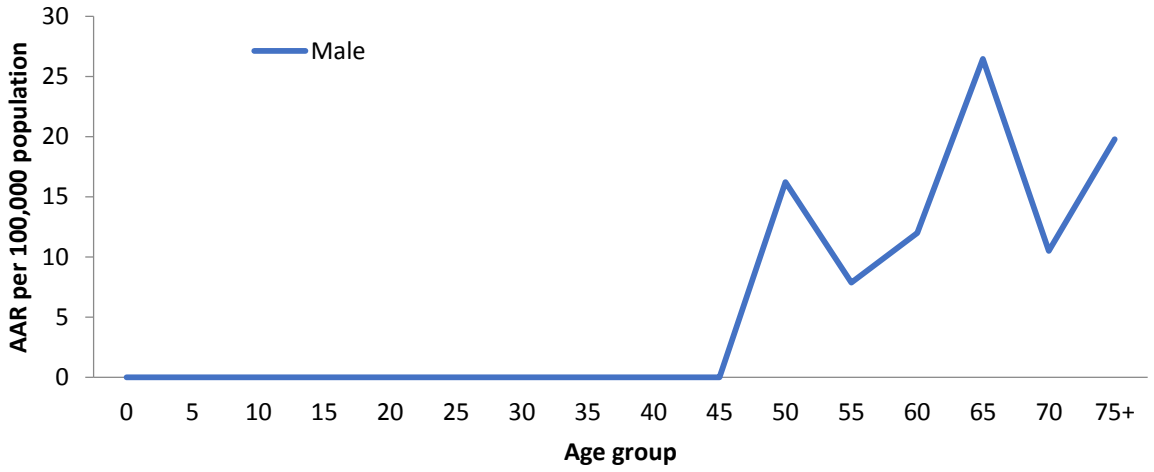
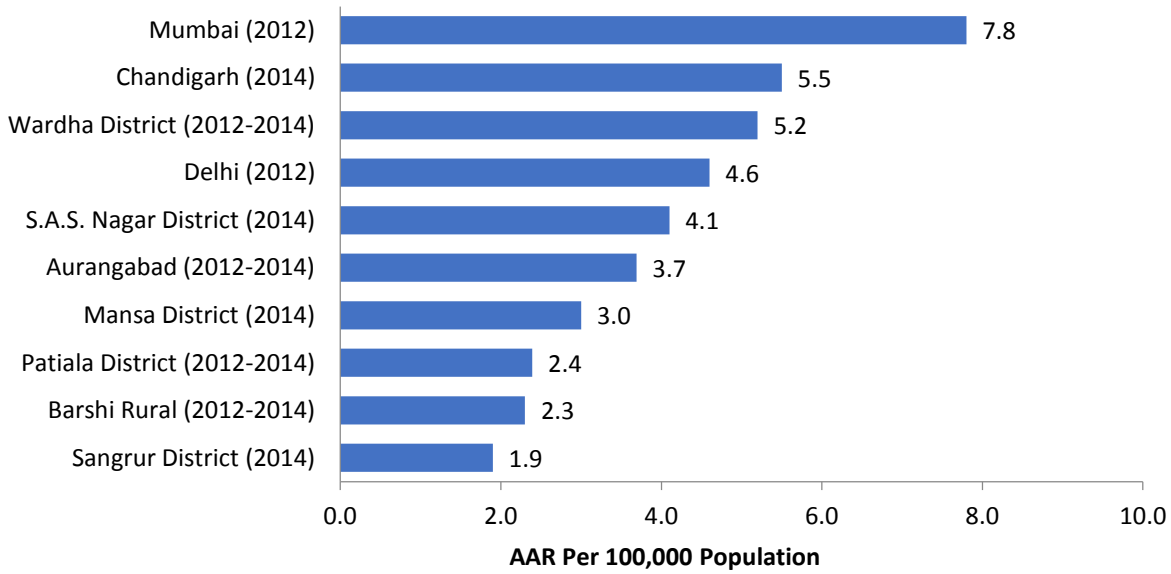


Figure 11: Comparison of Larynx Cancer Incidence Rate with Other Indian Registries



Cancer of Prostate (C61)

Number of cases	11
% to total cases	5.4
Crude incidence rate per 100,000	2.6
Age adjusted incidence rate per 100,000	**2.5**
Truncated rate per 100,000	2.9

Figure 12: Age Specific Incidence Rate of Ca Prostate (C61)

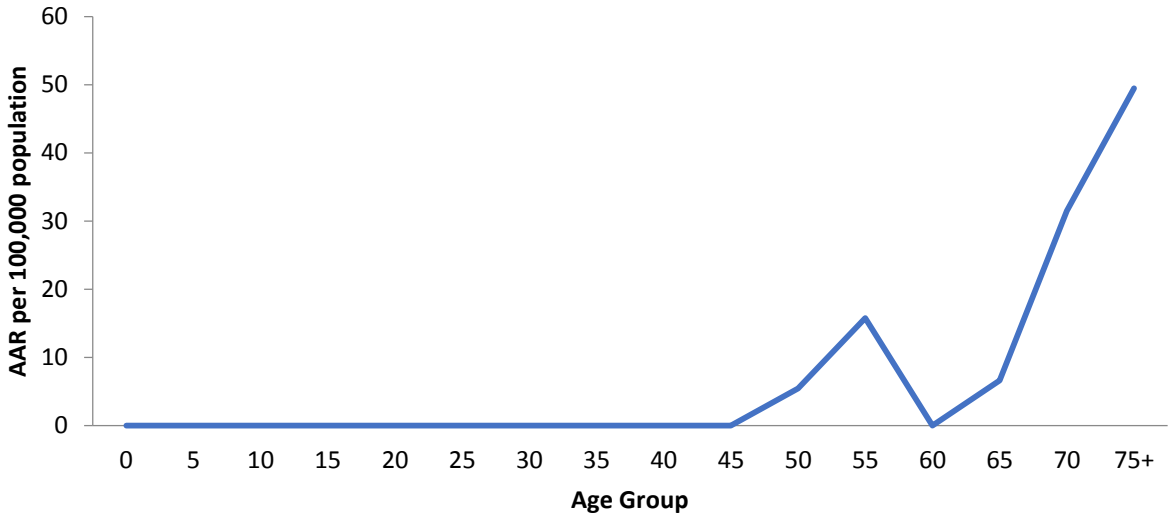
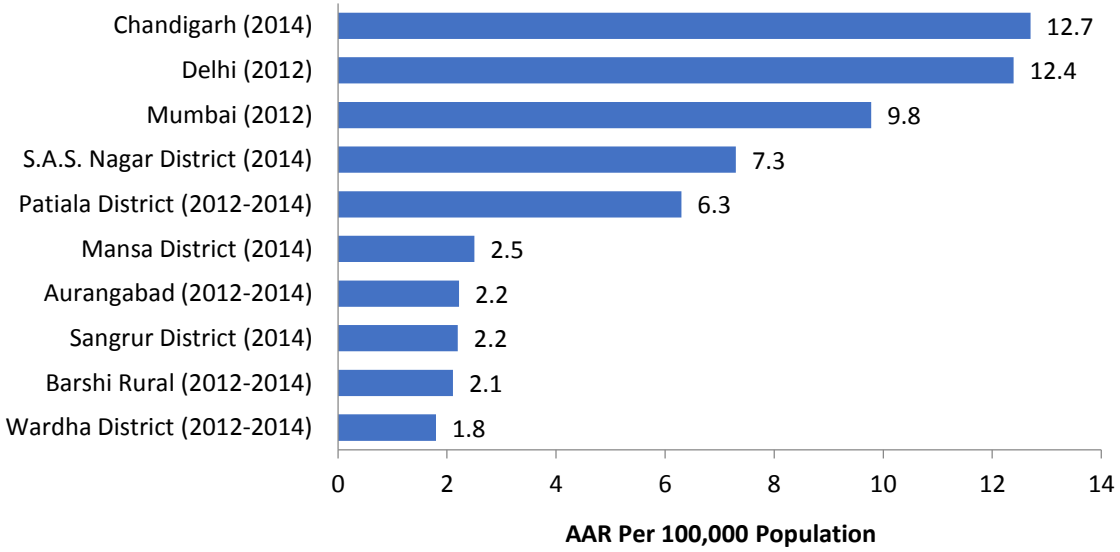


Figure 13: Comparison of Prostate Cancer Incidence Rate with Other Indian Registries



Cancer of Brain, NS (C70-C72)

	Male	Female
Number of cases	10	5
% to total cases	4.9	2.0
Crude incidence rate per 100,000	2.4	1.3
Age adjusted incidence rate per 100,000	**2.3**	**1.1**
Truncated rate per 100,000	5.4	1.5

Figure 14: Age Specific Incidence Rate of Ca Brain, NS (C70-C72)

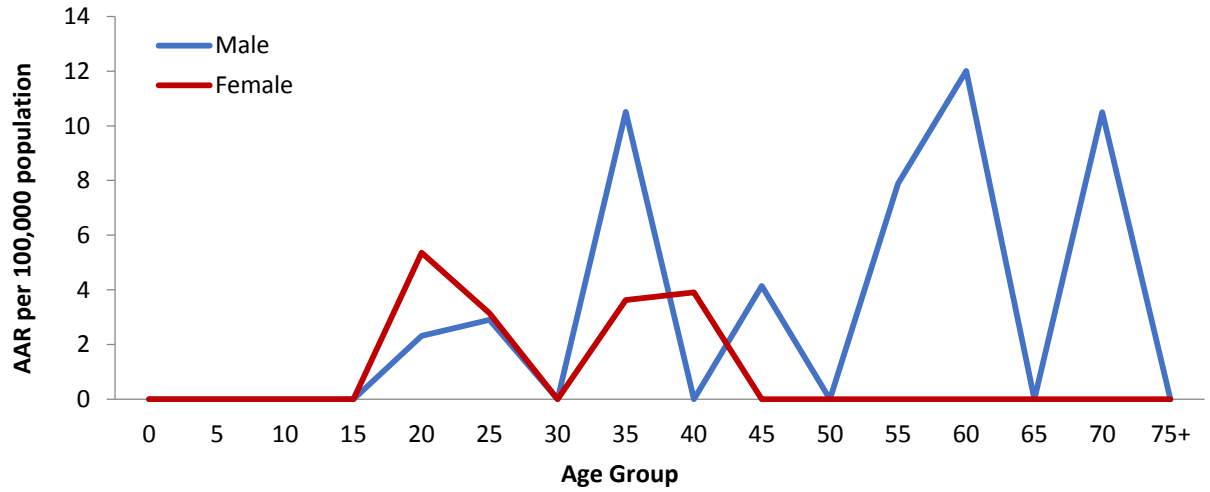
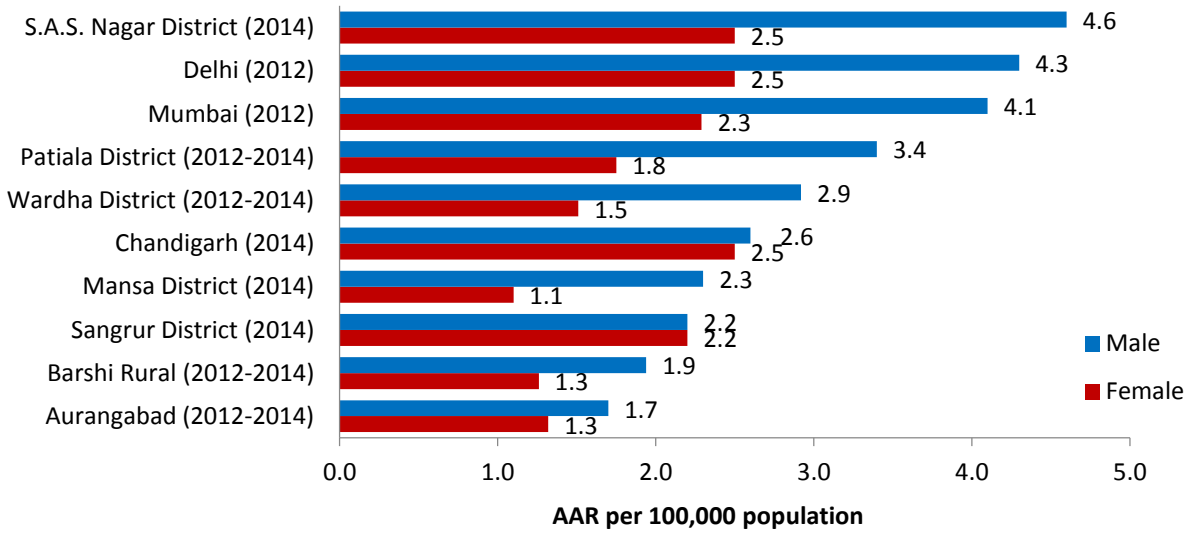


Figure 15: Comparison of Brain, NS Cancer Incidence Rate with Other Indian Registries



Cancer of Tongue (C01-C02)

	Male	Female
Number of cases	10	3
% to total cases	4.9	1.2
Crude incidence rate per 100,000	2.4	0.8
Age adjusted incidence rate per 100,000	**2.3**	**0.6**
Truncated rate per 100,000	5.6	1.9

Figure 16: Age Specific Incidence Rate of Ca Tongue (C01-C02)

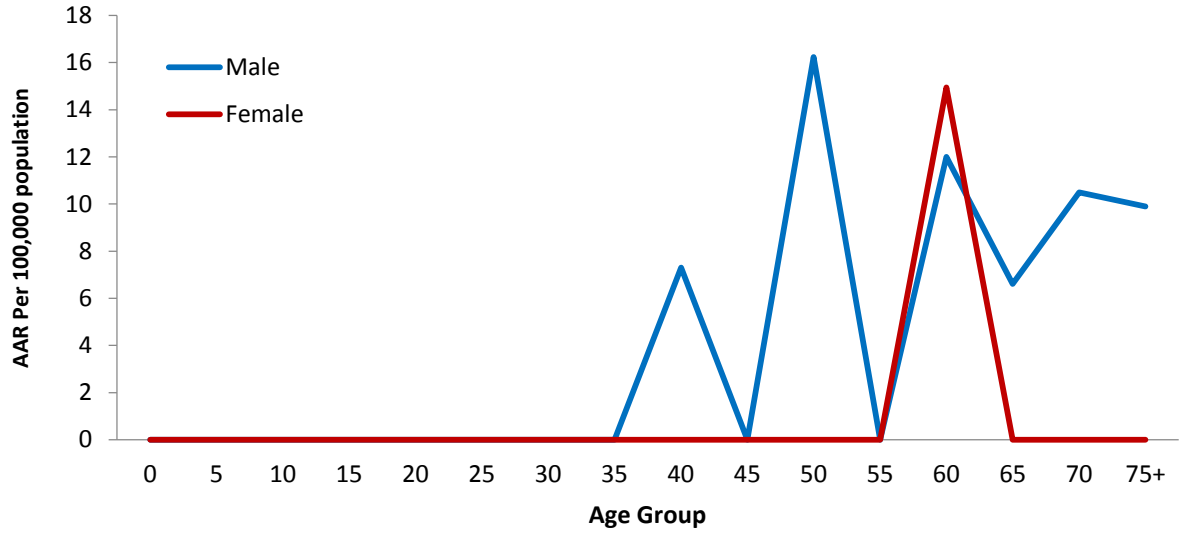
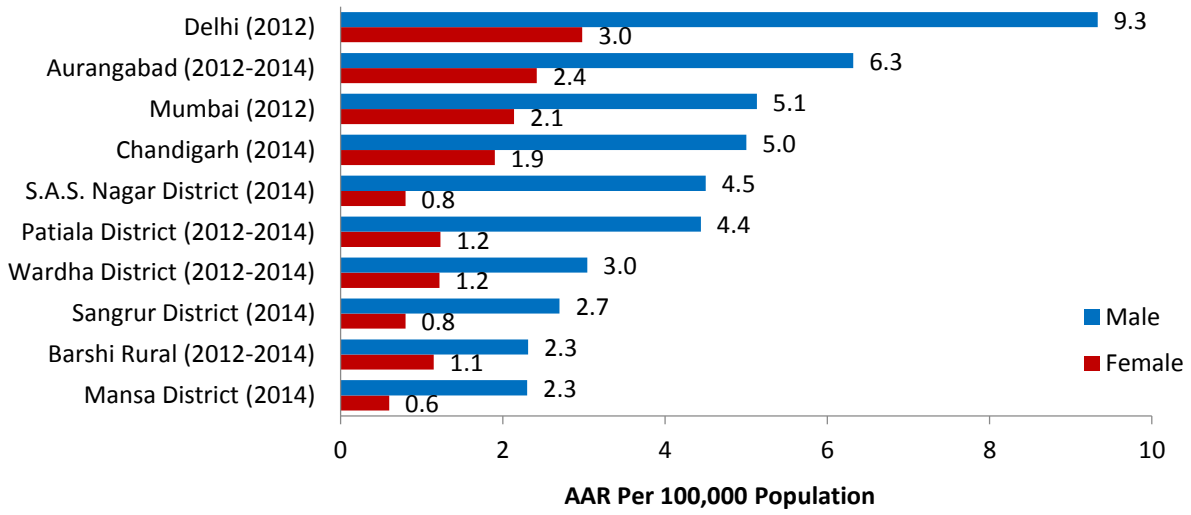


Figure 17: Comparison of Tongue Cancer Incidence Rate with Other Indian Registries



Cancer of Liver (C22)

	Male	Female
Number of cases	10	03
% to total cases	4.9	1.2
Crude incidence rate per 100,000	2.4	0.8
Age adjusted incidence rate per 100,000	**2.3**	**0.6**
Truncated rate per 100,000	5.6	1.3

Figure 18: Age Specific Incidence Rate of Ca Liver (C22)

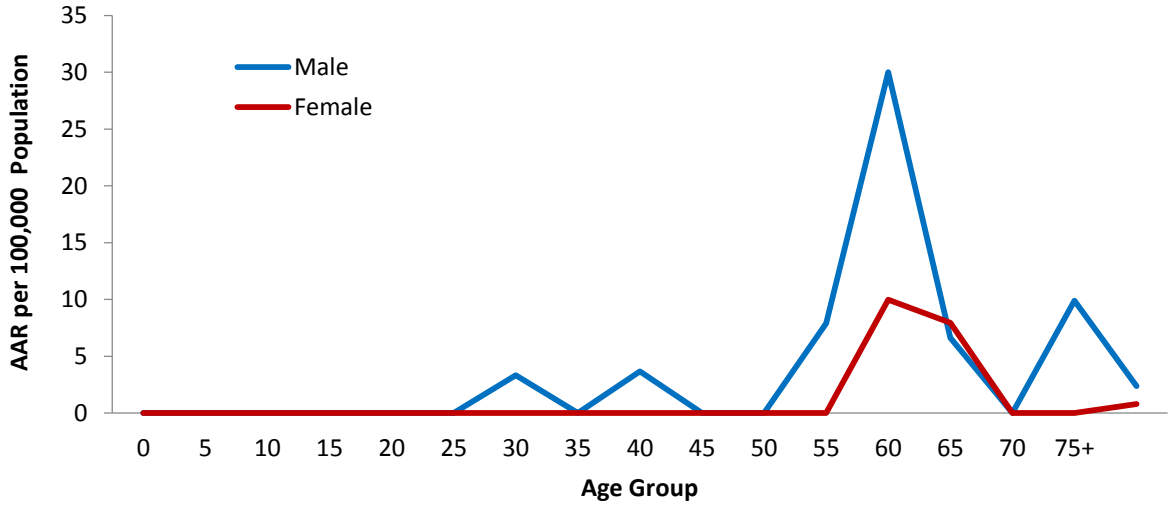
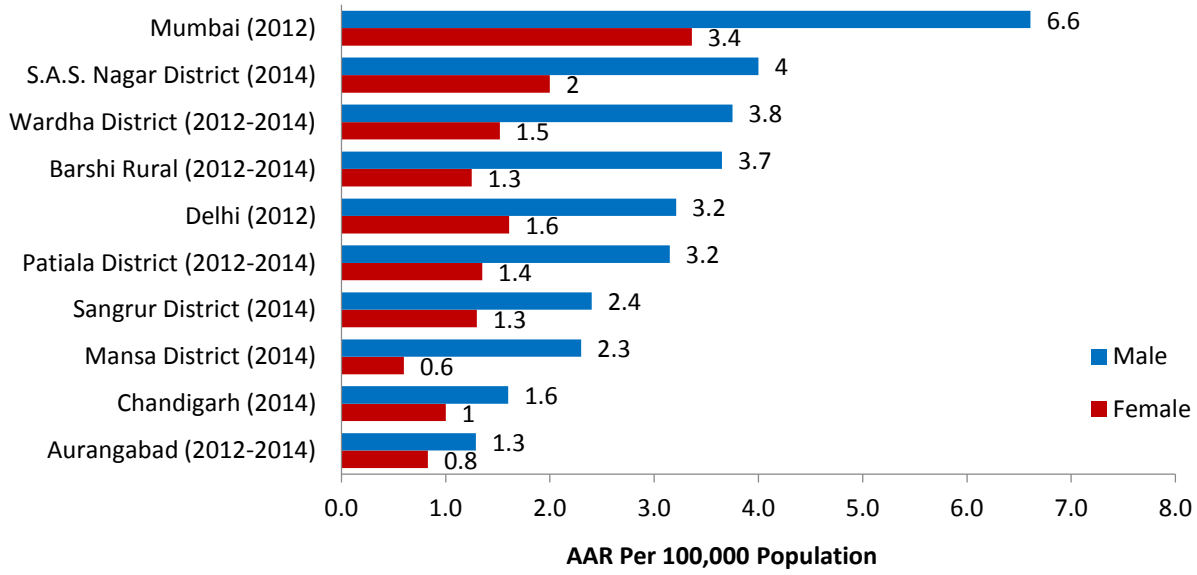


Figure 19: Comparison of Liver Cancer Incidence Rate with Other Indian Registries



Cancer of Breast (C50)

	Female
Number of cases	51
% to total cases	20.9
Crude incidence rate per 100,000	13.6
Age adjusted incidence rate per 100,000	**12.5**
Truncated rate per 100,000	31.5

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

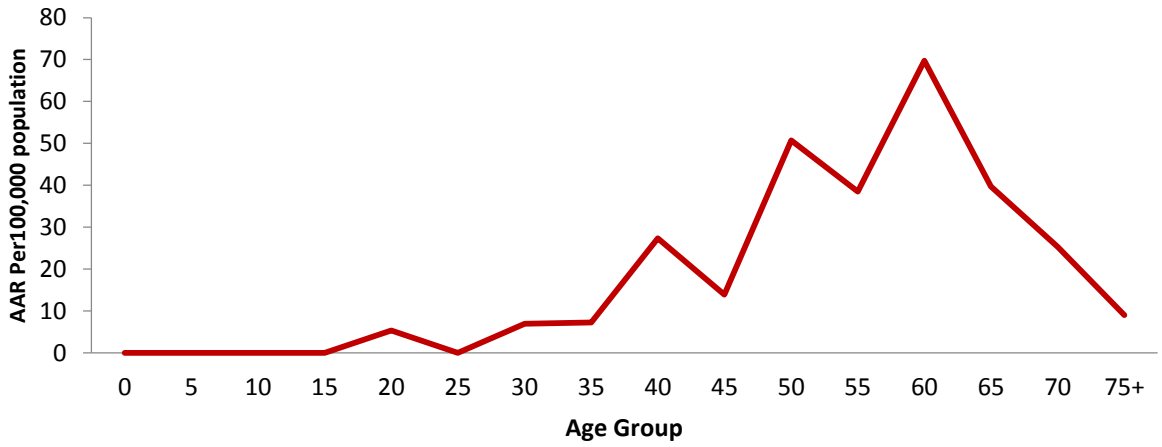
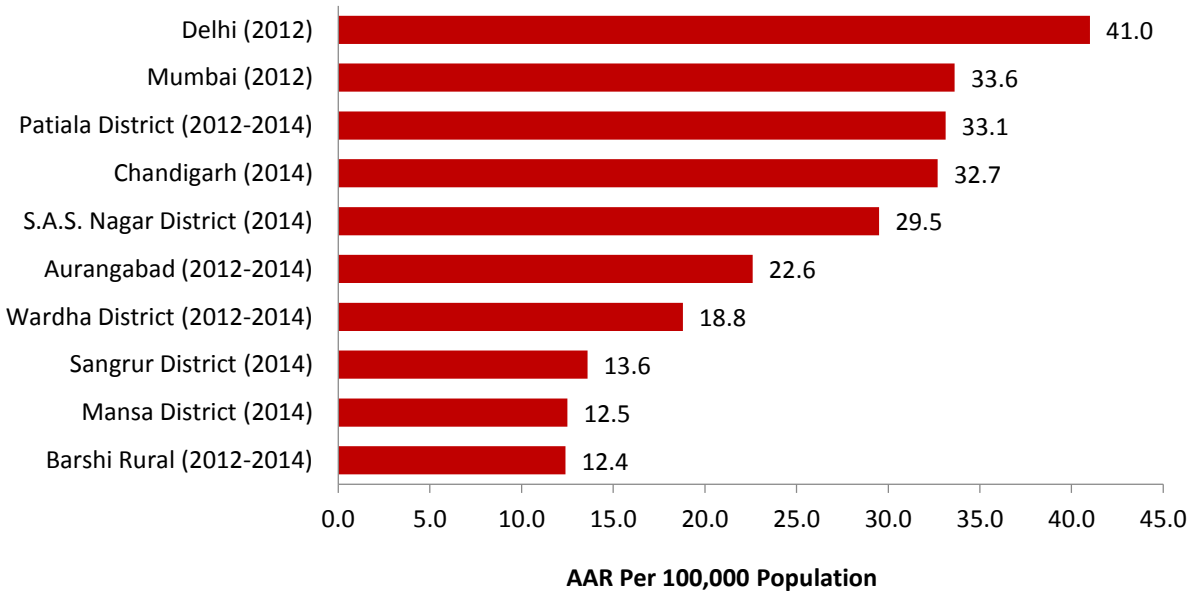


Figure 21: Comparison of Breast Cancer Incidence Rate with Other Indian Registries



Cancer of Cervix Uteri (C53)

Number of cases	46
% to total cases	18.9
Crude incidence rate per 100,000	12.3
Age adjusted incidence rate per 100,000	**11.8**
Truncated rate per 100,000	29.2

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

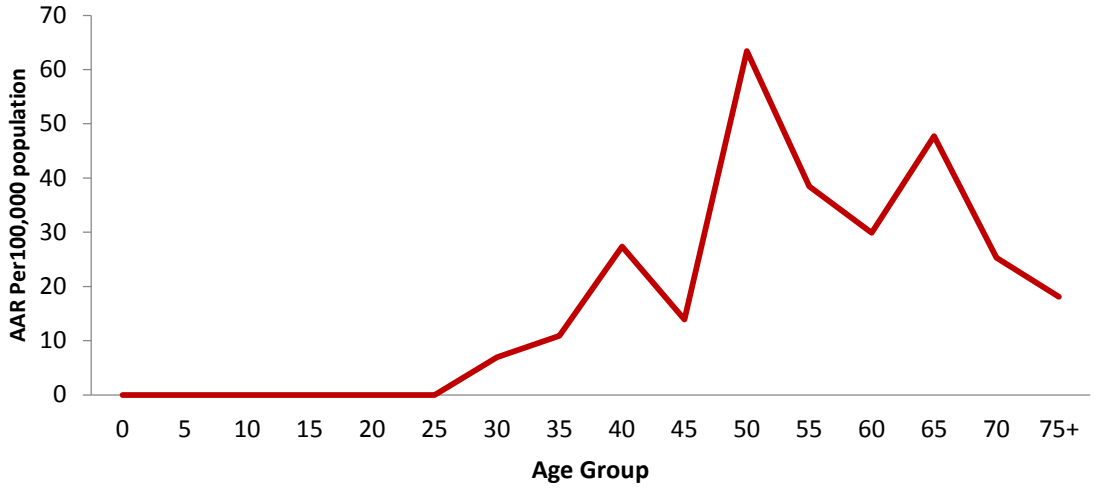
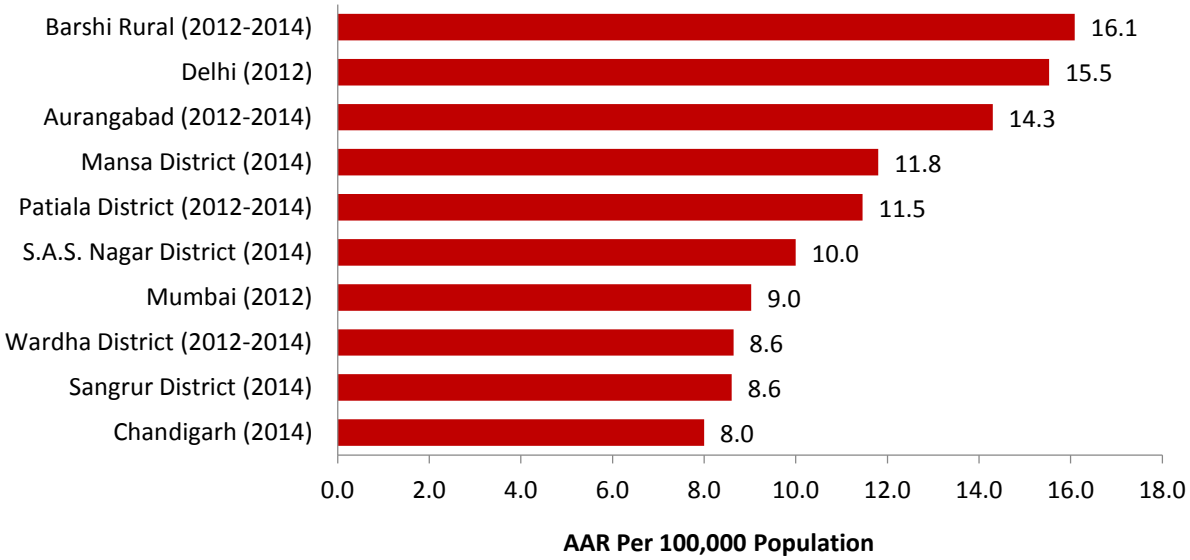


Figure23: Comparison of Cervix Uteri Cancer Incidence Rate with Other Indian Registries



Cancer of Ovary (C56)

Number of cases	14
% to total cases	5.7
Crude incidence rate per 100,000	3.7
Age adjusted incidence rate per 100,000	**3.6**
Truncated rate per 100,000	8.2

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

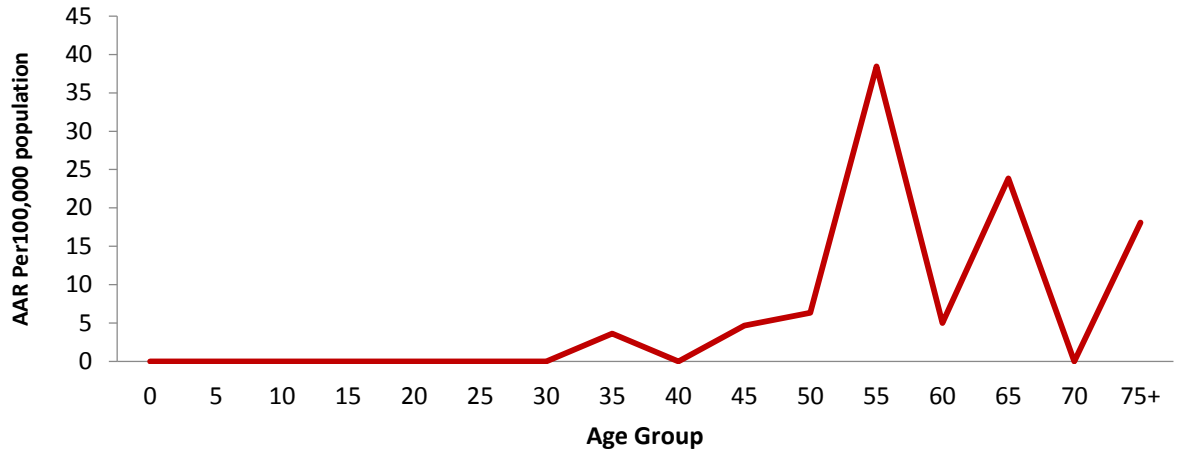
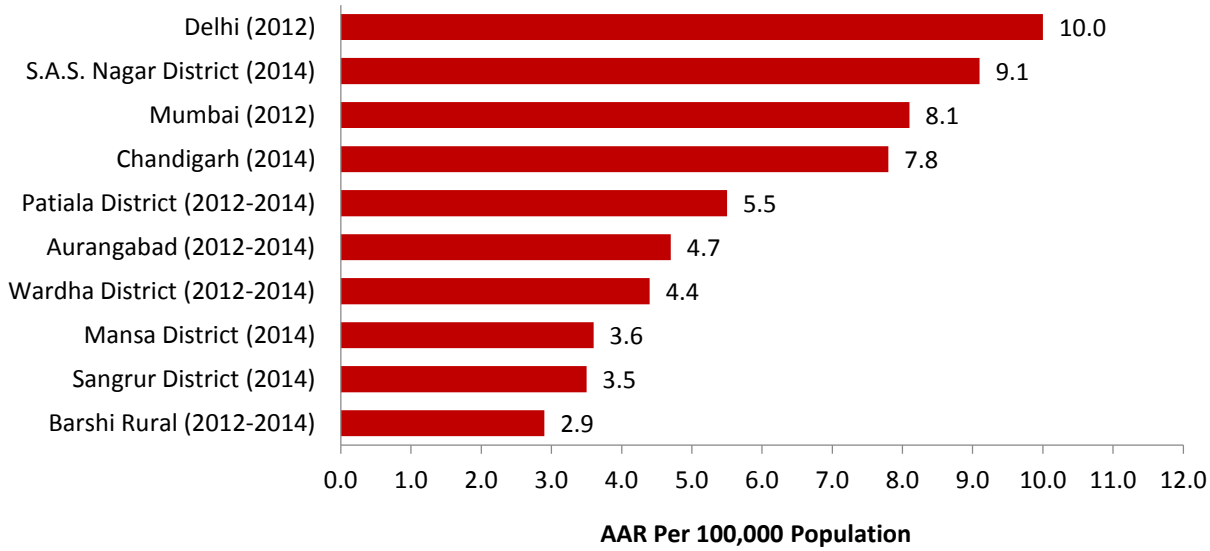


Figure 25: Comparison of Ovary Cancer Incidence Rate with Other Indian Registries



Cancer of Gall Bladder (C23-24)

	Male	Female
Number of Cases	5	12
% to total Cases	2.5	4.9
Crude incidence rate per 100,000	1.2	3.2
Age Adjusted incidence rate per 100,000	**1.3**	**3.0**
Truncated rate per 100,000	2.8	5.8

Figure 26: Age Specific Incidence Rate of Ca Gall Bladder (C23-24)

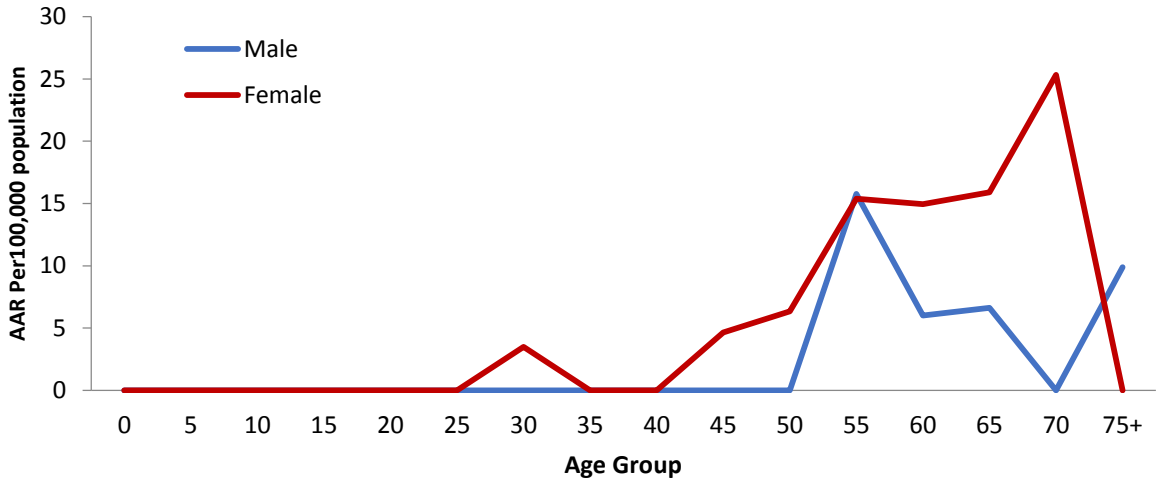


Figure 27: Comparison of Gall Bladder Cancer Incidence Rate with Other Indian Registries

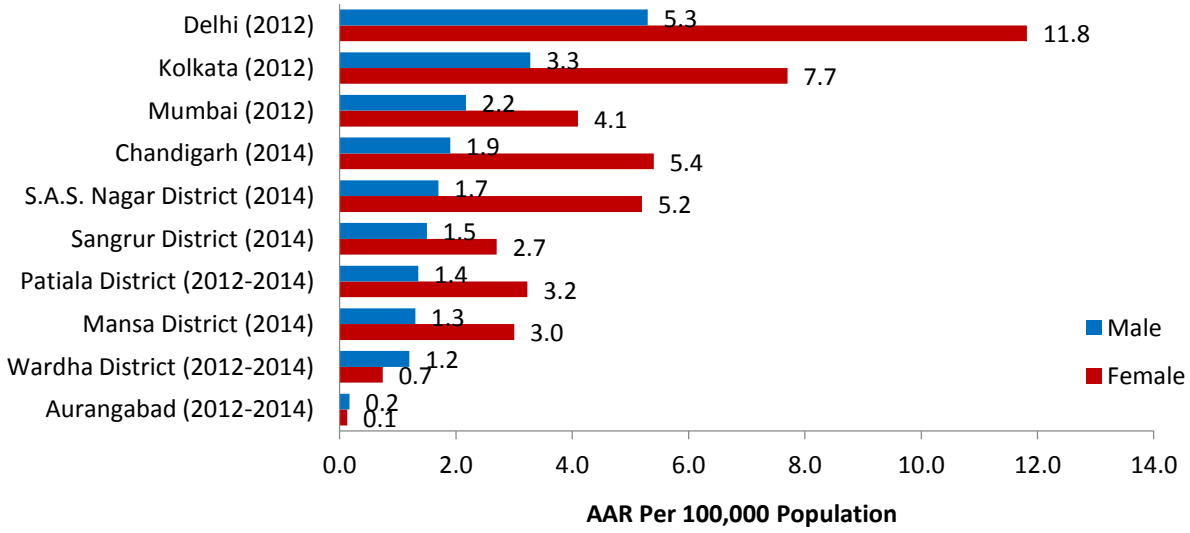


Figure 28: Age Specific Incidence & Mortality –Male All Cancer Sites

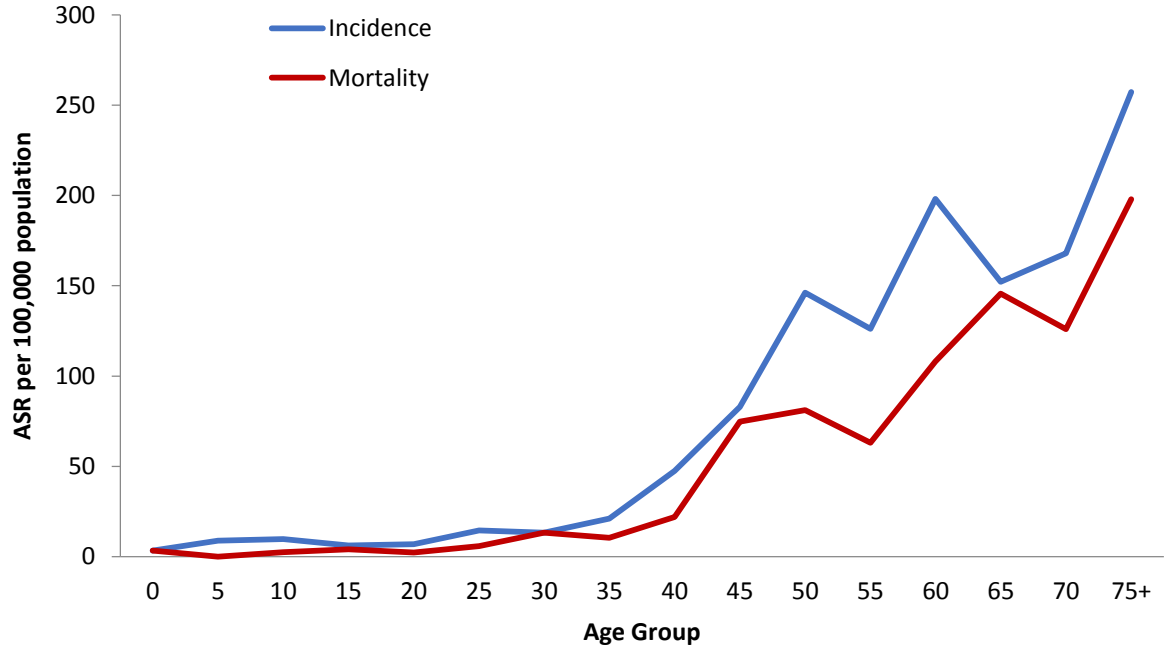
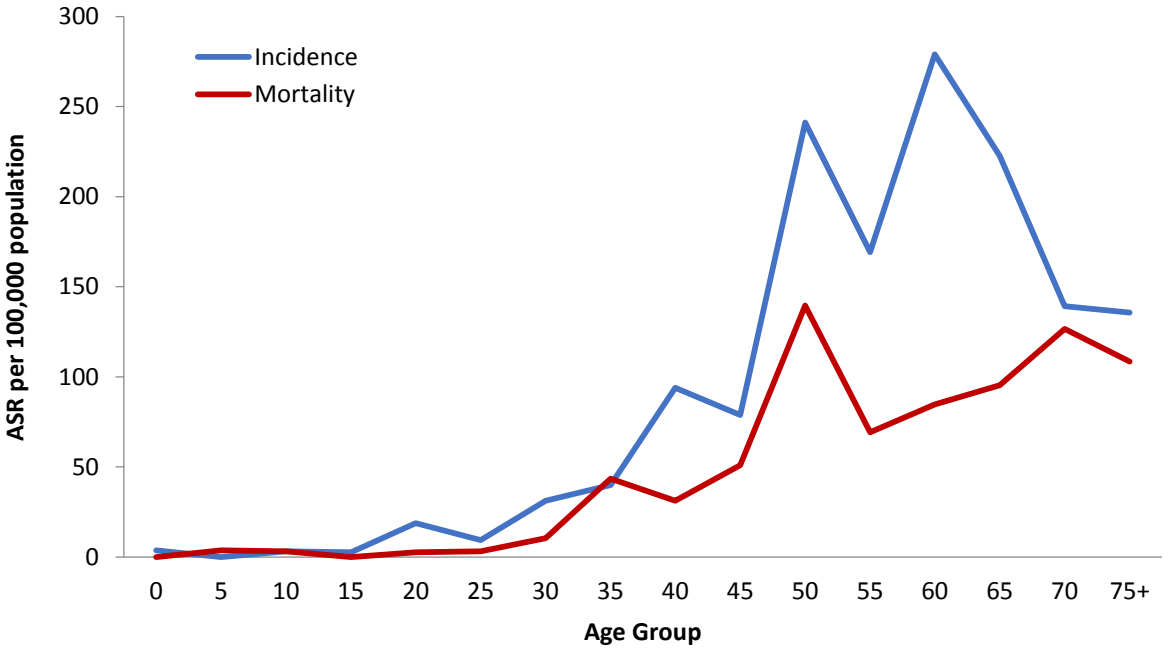


Figure 29: Age Specific Incidence & Mortality –Female All Cancer Sites



Other and Unspecified Sites

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

In males out of 203 cases, 39 cases are of other and unspecified sites. The predominant cases are C80–Primary Unknown (12.8%) followed by Other and Ill-Defined, Secondary and Unspecified sites (2%) and Secondary Malignant Neoplasm of Respiratory and Digestive Organs (2%). In female out of 244 cases, 18 cases are of Other and Unspecified sites. The predominant cases are C80 Primary Unknown (2.5 %) followed by Other sites (2% cases). The details are presented in Table 11.

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

The primary unknown is an indicator of the health infrastructure and these types of cases will exist more in rural parts of India where there is limited diagnostic and treatment facilities. **This is the second year of the cancer registry and we expect that due to improvement in the diagnostic and treatment facility in the coming year the percentage of the primary site unknown will decrease and we will get the proper primary site which is presently missing.**

Table No. 11: Other and Unspecified Cases by Sex

ICD	Male		Female	
	Number	%	Number	%
C76	4	2.0	2	0.8
C77	1	0.5	1	0.4
C78	4	2.0	4	1.6
C79	4	2.0	5	2.0
C80	26	12.8	6	2.5
Total Cancer Cases	**39/203**	**19.2/100.0**	**18/244**	**7.4/100.0**

Cancer of Other & Unspecified (C76, C77, C78, C79, C80)

	Male	Female
Number of cases	39	18
% to total cases	19.2	7.4
Crude incidence rate per 100,000	9.2	4.8
Age adjusted incidence rate per 100,000	**9.0**	**4.4**
Truncated rate per 100,000	19.6	9.9

Figure 30: Age Specific Incidence Rate of Other& Unspecified (C76, C77, C78, C79, C80)

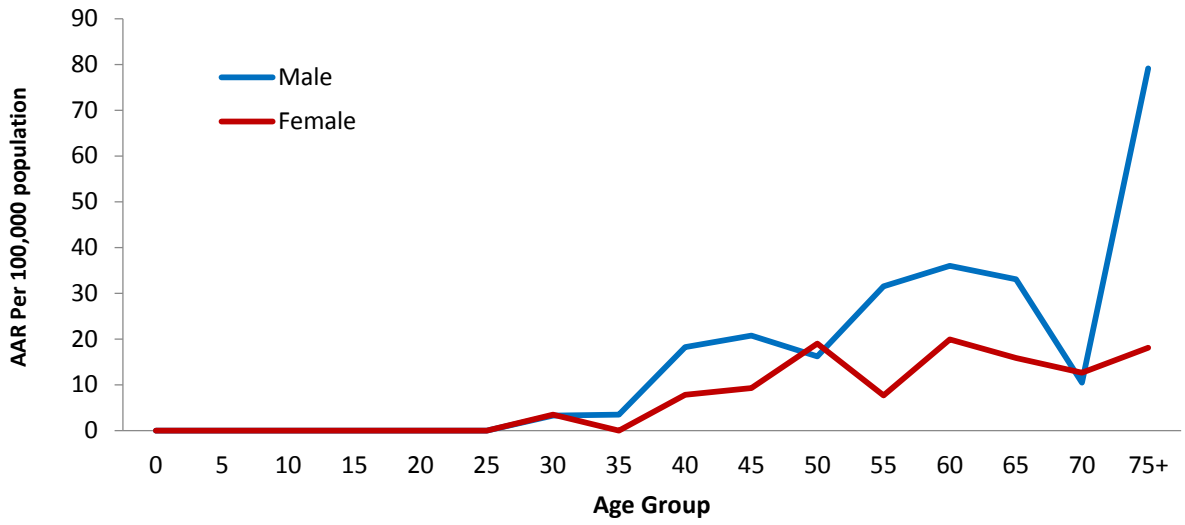
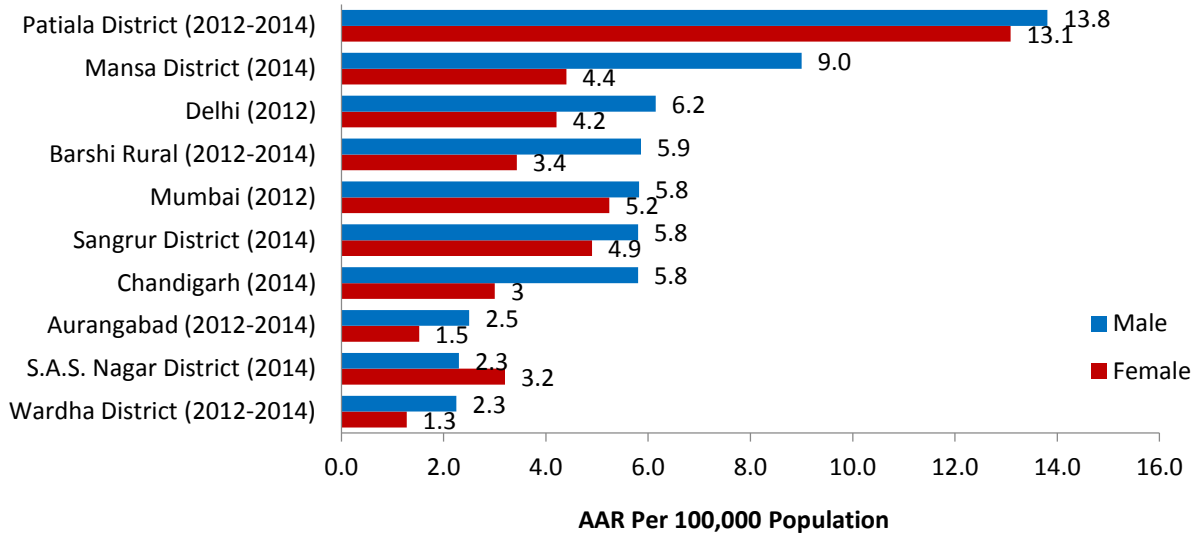


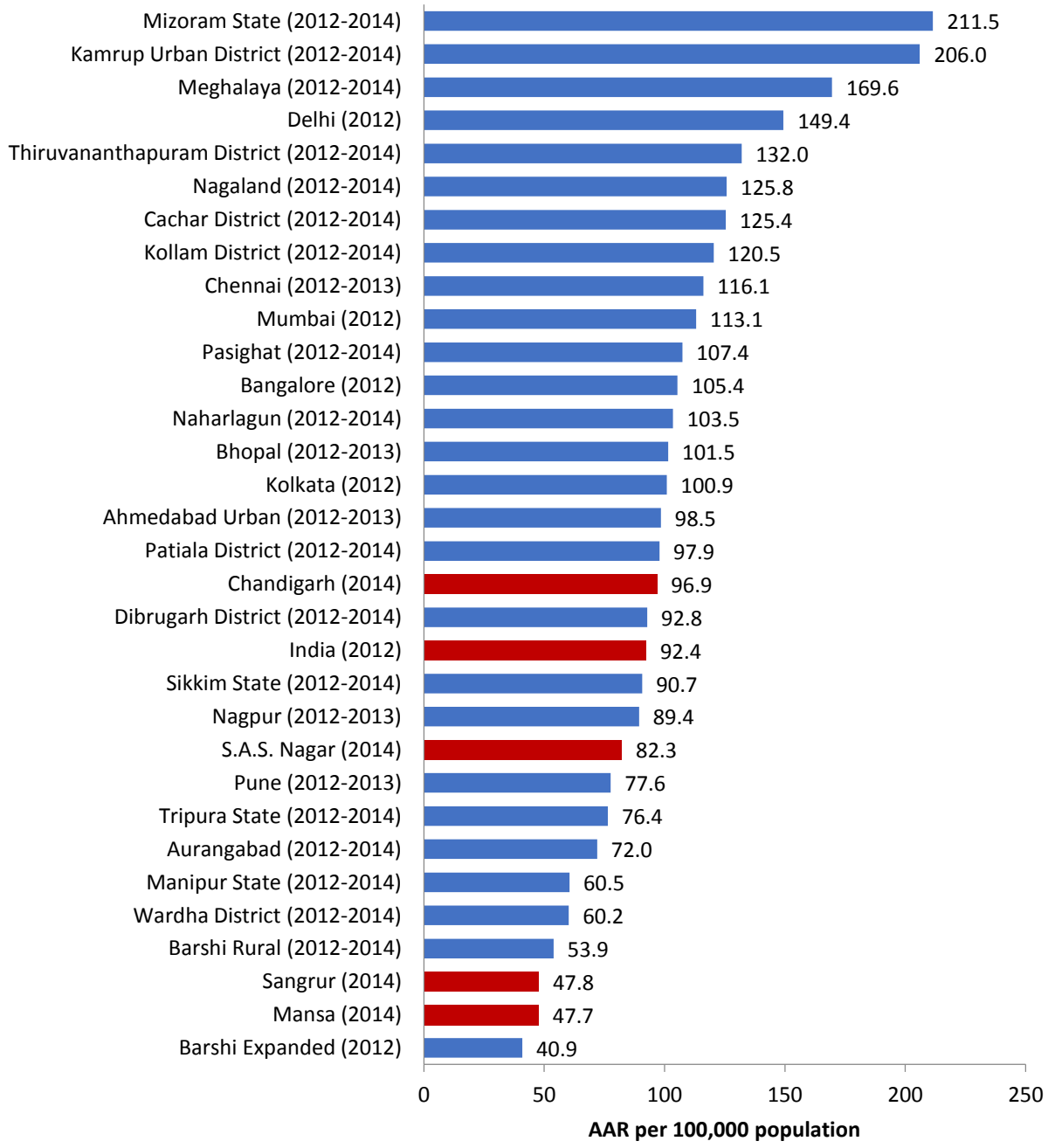
Figure 31: Comparison of Other & Unspecified Cancer Incidence Rate with Other Indian Registries



11. Comparison of Cancer Incidence Rate with Other Indian Registries

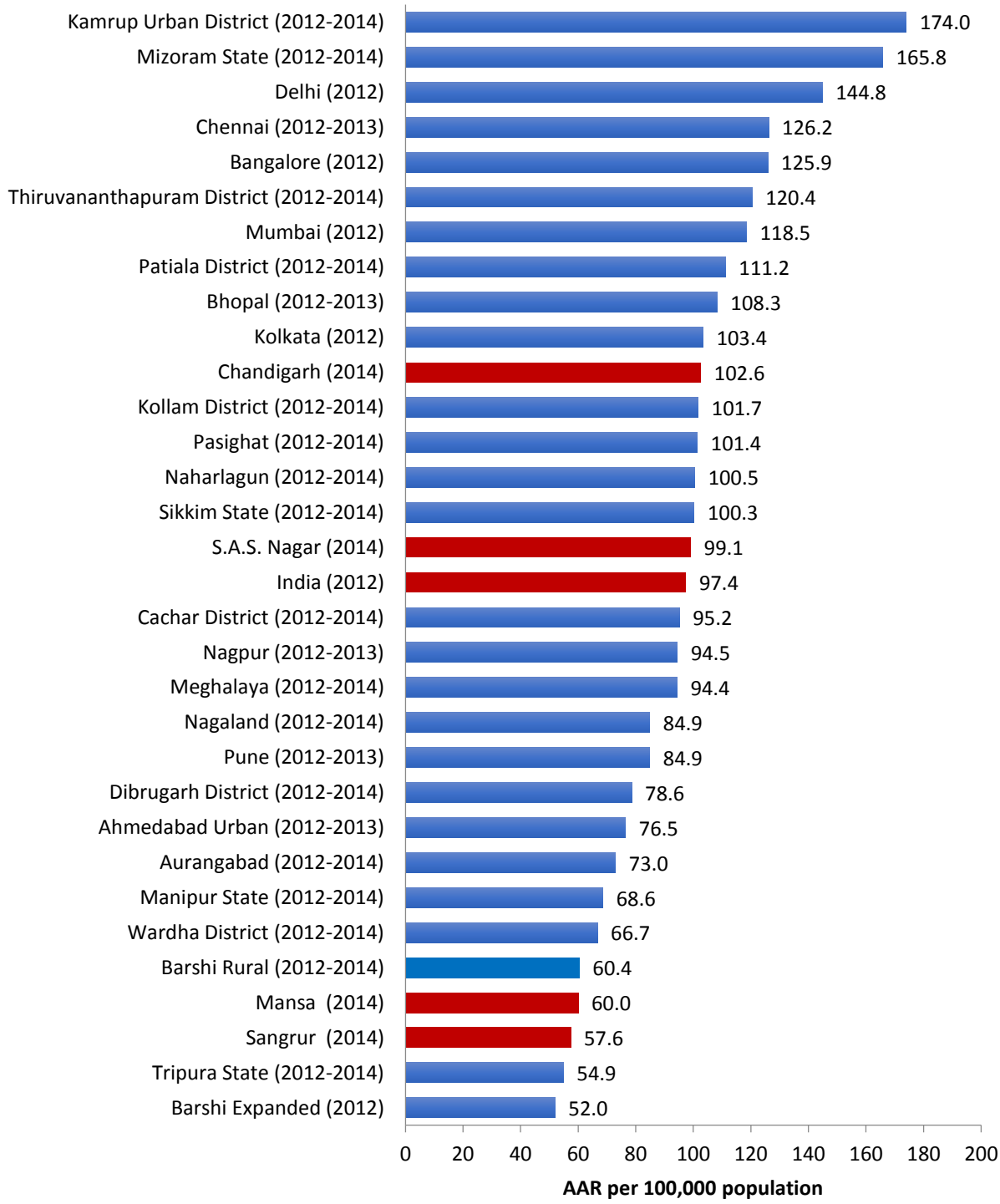
Age adjusted incidence rate for all sites for both males and females in the year 2014 was compared with other Indian PBCRs (Fig 32& 33). The cancer incidence of Mansa district is lower than urban areas and it is comparable with other rural cancer registries in the country.

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



Reference: 4,5,8,9 and 10

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



Reference: 4,5,8,9 and 10

12. Under Registration / Under Diagnosed Cases

There may be under registration/under diagnosis of the cancer incidence and mortality cases. **We may have missed the clinically diagnosed cases as well as pediatric cancer cases. In females, we did not register a single case in the age group 5-9. The registry needs more interaction with the Pediatric Department of the medical colleges in Faridkoat, Patiala as well in Chandigarh and Ludhiana.**

Under registration/under diagnosis occurs mainly in the age group of 65 and older due to reduced access to health care in the elderly age group. The truncated rate in males is reported as 94.7 per 100,000 and age adjusted rate as 47.7 per 100,000. Most of the cases are registered in the age group 35 to 64 and there is a declining trend in the age specific incidence rate in the 65 to 74 age group. In females the truncated rate is 137.9 per 100,000 and the age adjusted rate is 60.0 per 100,000. Most of the cancer cases are registered in the age group 35-64 and there is a declining trend in the age specific incidence rate after 65 to 74 age group.

Due to continuous interaction in the village, we have a feeling that we may have missed very few cancer cases in the rural area; however, we may have a higher likelihood of under registration in the urban population because it is difficult to cover the urban population without the help community leaders.

13. Hurdles in Establishing the Rural Cancer Registry

A cancer registry should be located in the area where diagnostic and treatment facilities are available in the district. It was a difficult task to establish the cancer registry in an area where patients travelled to several places for cancer treatment. However, due to interaction with the community and persistent efforts, we were able to get the cancer cases' information.

In the initial period, five trained staff left the job. We had appointed new staff and trained them. The selected staff was provided training at TMC, PGI, Barshi and Mumbai PBCR.

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

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

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

There is limited infrastructure in the civil hospital. The registry staff has to depend on the other sources for basic facilities.

Several times ANM, ASHA workers and PHC staff were busy in their activities; we had to wait until they finished their regular duties.

However due to interaction with the community and constant efforts and due to the joint collaboration of TMC, PGIMER and Government of Punjab; we were able to get the cancer cases information.

14. Description of Statistical Terms Used

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

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 1st January 2014 to 31st December 2014 in 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.

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

This rate is called crude 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/ASR): Age adjustment is a statistical method that corrects for the changing age distribution of the population and allows comparisons to be made in the adjusted rates between different population sub-groups over time.

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

15. Standard Registry Tables

Table 12: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2014 – Males
Mansa District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_ 4	5_ 9	10_ 14	15_ 19	20_ 24	25_ 29	30_ 34	35_ 39	40_ 44	45_ 49	50_ 54	55_ 59	60_ 64	65_ 69	70_ 74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	2	-	3	-	2	1	1	1	**10**	**4.9**
C03-06	Mouth	-	-	-	-	-	-	-	1	1	2	-	-	1	-	1	-	**6**	**3.0**
C07-C08	Salivary Glands	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	**2**	**1.0**
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	**2**	**1.0**
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	**1**	**0.5**
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	**1**	**0.5**
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	**1**	**0.5**
C15	Oesophagus	-	-	-	-	-	-	-	-	1	3	6	3	3	1	3	2	**22**	**10.8**
C16	Stomach	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	**3**	**1.5**
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	**3**	**1.5**
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	**2**	**1.0**
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	**1**	**0.5**
C22	Liver	-	-	-	-	-	-	1	-	1	-	-	1	5	1	-	1	**10**	**4.9**
C23-24	Gall Bladder etc.	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	1	**5**	**2.5**
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	**2**	**1.0**
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	**1**	**0.5**
C32	Larynx	-	-	-	-	-	-	-	-	-	-	3	1	2	4	1	2	**13**	**6.4**
C33-C34	Lung etc.	-	-	-	-	-	-	-	1	-	3	-	-	3	-	2	-	**9**	**4.4**
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**
C40-C41	Bone	-	-	1	1	-	1	-	-	1	-	-	-	-	-	-	-	**4**	**2.0**
C43	Melanoma of skin	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	**1**	**0.5**
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	**3**	**1.5**
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47-C49	Conn. & Soft tissue	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	**2**	**1.0**
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**	**0.5**
C60	Penis	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	**2**	**1.0**
C61	Prostate	-	-	-	-	-	-	-	-	-	-	1	2	-	1	3	4	**11**	**5.4**
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	**2**	**1.0**
C63	Oth Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**
C64	Kidney etc.	1	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	**4**	**2.0**
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	3	1	1	-	-	-	**5**	**2.5**
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**
C70-C72	Brain, NS	-	-	-	-	1	1	-	3	-	1	-	1	2	-	1	-	**10**	**4.9**
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodkings Disease	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	**1**	**0.5**
C82-C85,C96	NHL	-	-	-	-	-	2	-	-	-	2	-	-	2	1	-	-	**7**	**3.4**
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**	**0.5**
C91	Lymphoid Leukemia	-	2	1	2	1	-	-	-	-	-	-	-	-	-	1	-	**7**	**3.4**
C92-C94	Myeloid Leukemia	-	-	1	-	1	-	1	-	-	1	1	1	-	2	-	-	**8**	**3.9**
C95	Leukemia Unspecified	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	**1**	**0.5**
Other & Unspecified*		-	-	-	-	-	-	1	1	5	5	3	4	6	5	1	8	**39**	**19.2**
Total		**1**	**3**	**4**	**3**	**3**	**5**	**4**	**6**	**13**	**20**	**27**	**16**	**33**	**23**	**16**	**26**	**203**	**100**

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

Table 13: Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2014 – Females
Mansa District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_ 4	5_ 9	10_ 14	15_ 19	20_ 24	25_ 29	30_ 34	35_ 39	40_ 44	45_ 49	50_ 54	55_ 59	60_ 64	65_ 69	70_ 74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3	1.2
C03-06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	3	1.2
C07-C08	Salivary Glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.4
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	2	0.8
C14	Pharynx Unspecified	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	0.8
C15	Oesophagus	-	-	-	-	-	1	-	1	4	2	6	1	5	2	1	3	26	10.7
C16	Stomach	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-	4	1.6
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-		1	-	-	-	-	1	2	0.8
C19-C20	Rectum	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.4
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	0.8
C22	Liver	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	3	1.2
C23-24	Gall Bladder etc.	-	-	-	-	-	-	1	-	-	1	1	2	3	2	2	-	12	4.9
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	3	1.2
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C33-C34	Lung etc.	-	-	-	-	-	-	-	-	-	1	1	-	2	1	-	-	5	2.0
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2	0.8
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	3	1.2
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47-C49	Conn. & Soft tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C50	Breast	-	-	-	-	2	-	2	2	7	3	8	5	14	5	2	1	51	20.9
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	Cervix Uteri	-	-	-	-	-	-	2	3	7	3	10	5	6	6	2	2	46	18.9
C54	Corpus Uteri	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	0.8
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	-	-	-	-	-	-	-	1	-	1	1	5	1	3	-	2	14	5.7
C57	Other Female Gentile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	-	-	-	-	-	-	2	1	1	-	-	1	5	2.0
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.4
C68	Other Urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	2	1	-	1	1	-	-	-	-	-	-	-	5	2.0
C73	Thyroid	-	-	-	-	-	-	-	2	-	-	1	1	-	-	-	-	4	1.6
C74	Adrenal gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.4
C81	Hodkings Disease	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.4
C82-C85,C96	NHL	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	3	1.2
C88	Imm. Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	0.8
C91	Lymphoid Leukemia	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	3	1.2
C92-C94	Myeloid Leukemia	-	-	-	1	1	-	2	-	1	-	2	-	1	1	-	1	10	4.1
C95	Leukemia Unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.4
Other & Unspecified*		-	-	-	-	-	-	-	-	2	2	3	1	4	2	1	2	18	7.4
Total		**1**	**-**	**1**	**1**	**7**	**3**	**9**	**11**	**24**	**17**	**38**	**22**	**56**	**28**	**11**	**15**	**244**	**100**

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

Table 14: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64yrs) (TR) Incidence Rate per 100,000 population: 2014 – 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	7.3	-	16.2	-	12.0	6.6	10.5	9.9	**2.4**	**2.3**	**5.6**
C03-06	-	-	-	-	-	-	-	3.5	3.7	8.3	-	-	6.0	-	10.5	-	**1.4**	**1.4**	**3.8**
C07-C08	-	3.0	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	**0.5**	**0.6**	**0.9**
C09	-	-	-	-	-	-	-	-	-	-	10.8	-	-	-	-	-	**0.5**	**0.5**	**1.7**
C10	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	-	**0.2**	**0.2**	**0.8**
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	**0.2**	**0.2**	**-**
C14	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	**0.2**	**0.3**	**0.8**
C15	-	-	-	-	-	-	-	-	3.7	12.4	32.5	23.7	18.0	6.6	31.5	19.8	**5.2**	**5.5**	**13.7**
C16	-	-	-	-	-	-	-	-	3.7	4.2	-	-	6.0	-	-	-	**0.7**	**0.7**	**2.3**
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	-	-	12.0	6.6	-	-	**0.7**	**0.7**	**1.5**
C19-C20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.8	**0.5**	**0.4**	**-**
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	**0.2**	**0.2**	**-**
C22	-	-	-	-	-	-	3.3	-	3.7	-	-	7.9	30.0	6.6	-	9.9	**2.4**	**2.3**	**5.6**
C23-24	-	-	-	-	-	-	-	-	-	-	-	15.8	6.0	6.6	-	9.9	**1.2**	**1.3**	**2.8**
C25	-	-	-	-	-	-	-	-	-	-	5.4	-	-	6.6	-	-	**0.5**	**0.5**	**0.9**
C30-C31	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	**0.2**	**0.3**	**0.9**
C32	-	-	-	-	-	-	-	-	-	-	16.2	7.9	12.0	26.5	10.5	19.8	**3.1**	**3.0**	**5.2**
C33-C34	-	-	-	-	-	-	-	3.5	-	12.4	-	-	18.0	-	21.0	-	**2.1**	**2.1**	**5.4**
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	2.4	2.1	-	2.9	-	-	3.7	-	-	-	-	-	-	-	**0.9**	**0.9**	**0.7**
C43	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-	-	**0.2**	**0.2**	**-**
C44	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	19.8	**0.7**	**0.6**	**0.8**
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47-C49	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	9.9	**0.5**	**0.4**	**0.7**
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5	-	**0.2**	**0.2**	**-**
C60	-	-	-	-	-	-	-	-	-	-	5.4	-	-	6.6	-	-	**0.5**	**0.5**	**0.9**
C61	-	-	-	-	-	-	-	-	-	-	5.4	15.8	-	6.6	31.5	39.6	**2.6**	**2.5**	**2.9**
C62	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-	9.9	**0.5**	**0.4**	**-**
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	3.3	-	-	-	-	-	-	-	-	4.2	5.4	-	-	6.6	-	-	**0.9**	**1.1**	**1.7**
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	16.2	7.9	6.0	-	-	-	**1.2**	**1.4**	**4.4**
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	2.3	2.9	-	10.5	-	4.2	-	7.9	12.0	-	10.5	-	**2.4**	**2.3**	**5.4**
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.2**	**0.2**	**-**
C82-C85,C96	-	-	-	-	-	5.8	-	-	-	8.3	-	-	12.0	6.6	-	-	**1.7**	**1.6**	**3.2**
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5	-	**0.2**	**0.2**	-
C91	-	6.0	2.4	4.2	2.3	-	-	-	-	-	-	-	-	-	10.5	-	**1.7**	**1.6**	-
C92-C94	-	-	2.4	-	2.3	-	3.3	-	-	4.2	5.4	7.9	-	13.2	-	-	**1.9**	**1.8**	**2.7**
C95	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	**0.2**	**0.2**	**-**
O & U*	-	-	-	-	-	-	3.3	3.5	18.3	20.7	16.2	31.5	36.0	33.1	10.5	79.2	**9.2**	**9.0**	**19.6**
Total	**3.3**	**8.9**	**9.7**	**6.2**	**7.0**	**14.5**	**13.3**	**21.0**	**47.6**	**83.0**	**146.1**	**126.2**	**198.1**	**152.2**	**168.0**	**257.3**	**48.0**	**47.7**	**94.9**

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

Table 15: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64yrs) (TR) Incidence Rate per 100,000 population: 2014 – 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	-	-	-	-	14.9	-	-	-	**0.8**	**0.6**	**1.9**
C03-06	-	-	-	-	-	-	-	-	-	-	-	-	5.0	8.0	12.7	-	**0.8**	**0.7**	**0.6**
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	**0.3**	**0.3**	**0.9**
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	3.5	-	-	-	-	-	5.0	-	-	-	**0.5**	**0.4**	**0.6**
C14	-	-	-	-	-	-	-	3.6	-	-	-	-	-	8.0	-	-	**0.5**	**0.5**	**0.7**
C15	-	-	-	-	-	3.2	-	3.6	15.6	9.3	38.1	7.7	24.9	15.9	12.7	27.1	**6.9**	**6.4**	**15.9**
C16	-	-	-	-	-	-	-	-	-	4.6	-	-	5.0	8.0	12.7	-	**1.1**	**1.0**	**1.5**
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-	9.0	**0.5**	**0.5**	**1.0**
C19-C20	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	**0.3**	**0.2**	**-**
C21	-	-	-	-	-	-	-	-	-	4.6	-	-	5.0	-	-	-	**0.5**	**0.5**	**1.5**
C22	-	-	-	-	-	-	-	-	-	-	-	-	10.0	8.0	-	-	**0.8**	**0.6**	**1.3**
C23	-	-	-	-	-	-	3.5	-	-	4.6	6.3	15.4	15.0	15.9	25.3	-	**3.2**	**3.0**	**5.8**
C25	-	-	-	-	-	-	-	-	-	-	6.3	-	10.0	-	-	-	**0.8**	**0.7**	**2.3**
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	**0.3**	**0.3**	**1.0**
C33-C34	-	-	-	-	-	-	-	-	-	4.6	6.3	-	10.0	8.0	-	-	**1.3**	**1.2**	**3.2**
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	3.2		-	-	-	-	-	-	-	-	5.0	-	-	-	**0.5**	**0.5**	**0.6**
C43	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	**-**	**-**	**-**
C44	-	-	-	-	-	-	-	-	-	-	-	-	5.0	8.0	-	9.0	**0.8**	**0.6**	**0.6**
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47-C49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	**0.3**	**0.2**	**-**
C50	-	-	-	-	5.4	-	7.0	7.3	27.4	13.9	50.8	38.5	69.8	39.8	25.3	9.0	**13.6**	**12.5**	**31.5**
C51	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	-	**0.3**	**0.2**	**0.6**
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	7.0	10.9	27.4	13.9	63.4	38.5	29.9	47.7	25.3	18.1	**12.3**	**11.8**	**29.2**
C54	-	-	-	-	-	-	-	-	3.9		6.3	-	-	-	-	-	**0.5**	**0.6**	**1.8**
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-		3.6		4.6	6.3	38.5	6.0	23.9		18.1	**3.7**	**3.6**	**8.2**
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	12.7	7.7	5.0		-	9.0	**1.3**	**1.3**	**3.7**
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7	-	**0.3**	**0.3**	**0.0**
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	5.4	3.2	-	3.6	3.9	-	-	-	-	-	-	-	**1.3**	**1.1**	**1.5**
C73	-	-	-	-	-	-	-	7.3	-	-	6.3	7.7	-	-	-	-	**1.1**	**1.1**	**3.4**
C74	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.3**	**0.5**	**0.0**
C81	-	-	-	-		3.2			-	-	-	-	-	-	-	-	**0.3**	**0.3**	**0.0**
C82-C85,C96	-	-	-	-	-	-	-	-	-	-	-	-	10.0	8.0	-	-	**0.8**	**0.6**	**1.3**
C88	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	**-**	**-**	**-**
C90	-	-	-	-	-	-	-	-	-	-	-	-	10.0	-	-	-	**0.5**	**0.4**	**1.3**
C91	-	-	-		2.7	-		-	-	4.6	-	-	5.0	-	-	-	**0.8**	**0.7**	**1.5**
C92-C94	-	-	-	2.7	2.7		7.0	-	3.9	-	12.7	-	5.0	8.0		9.0	**2.7**	**2.4**	**3.4**
C95	-	-	-	-	-	-		-	3.9	-		-	-	-	-	-	**0.3**	**0.2**	**0.8**
O & U*	-	-	-	-	-	-	3.5	-	7.8	9.3	19.0	7.7	19.9	15.9	12.7	18.1	**4.8**	**4.4**	**9.9**
Total	**3.8**	**-**	**3.2**	**2.7**	**18.8**	**9.5**	**31.3**	**39.9**	**93.8**	**78.8**	**241.1**	**169.3**	**279.9**	**222.7**	**139.3**	**135.6**	**65.0**	**60.0**	**137.5**

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

Table 16: Cumulative Rate (Cu. Rate %) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD 10) Based on Age Specific Rates (from 0-64 years and 0-74 years) 2014: Male

ICD 10	Sites	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk %	Cu. Rate %	Cu. Risk %
C00	Lip	-	-	-	-
C01-02	Tongue	0.002	0.002	0.003	0.003
C03-06	Mouth	0.001	0.001	0.002	0.002
C07-C08	Salivary glands	0.0004	0.0004	0.0004	0.0004
C09	Tonsil	0.0005	0.0005	0.0005	0.0005
C10	Other Oropharynx	0.0003	0.0003	0.0003	0.0003
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	-	-	0.0003	0.0003
C14	Pharynx Unspecified	0.0002	0.0002	0.0002	0.0002
C15	Oesophagus	0.005	0.005	0.01	0.01
C16	Stomach	0.0007	0.0007	0.0007	0.0007
C17	Small Intestine	-	-	-	-
C18	Colon	0.0006	0.0006	0.0009	0.0009
C19-C20	Rectum	-	-	-	-
C21	Anus & Anal Canal	-	-	-	-
C22	Liver	0.002	0.002	0.003	0.003
C23	Gall Bladder etc	0.001	0.001	0.001	0.001
C25	Pancreas	0.0003	0.0003	0.0006	0.0006
C30-C31	Nose, sinuses etc.	0.0003	0.0003	0.0003	0.0003
C32	Larynx	0.002	0.002	0.004	0.004
C33-C34	Lung etc.	0.002	0.002	0.003	0.003
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	0.0006	0.0006	0.0006	0.0006
C43	Melanoma of skin	0.0002	0.0002	0.0002	0.0002
C44	Other Skin	0.0003	0.0003	0.0003	0.0003
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft tissue	0.0002	0.0002	0.0002	0.0002
C50	Breast	-	-	0.0005	0.0005
C60	Penis	0.0003	0.0003	0.0006	0.0006
C61	Prostate	0.001	0.001	0.003	0.003
C62	Testis	-	-	0.0003	0.0003
C63	Oth male genital	-	-	-	-
C64	Kidney etc.	0.0006	0.0006	0.001	0.001
C65	Renal pelvis	0.002	0.002	0.002	0.002
C66	Ureter	-	-	-	-
C67	Bladder	-	-	-	-
C68	Uns. Urinary Organs	0.002	0.002	0.003	0.003
C69	Eye	-	-	-	-
C70-C72	Brain, NS	-	-	-	-
C73	Thyroid	0.0001	0.0001	0.0001	0.0001
C74	Adrenal gland	0.001	0.001	0.002	0.002
C81	Hodgkins Disease	-	-	-	-
C82-C85,C96	NHL	-	-	0.0005	0.0005
C88	Imm. disease	0.0007	0.0007	0.001	0.001
C90	Multiple myeloma	0.001	0.001	0.002	0.002
C91	Lymphoid Leukemia	-	-	-	-
C92-C94	Myeloid Leukemia	0.002	0.002	0.003	0.003
C95	Leukemia Unspecified	0.0001	0.0001	0.0001	0.0001
Other & Unspecified*		0.01	0.01	0.01	0.01
Total		**0.04**	**0.04**	**0.06**	**0.06**

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

Table 17: Cumulative Rate (Cu. Rate %) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD 10) Based on Age Specific Rates (from 0-64 years and 0-74 years) 2014: Female

ICD 10	Sites	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk %	Cu. Rate %	Cu. Risk %
C00	Lip	-	-	-	-
C01-C02	Tongue	0.001	0.001	0.001	0.001
C03-C06	Mouth	0.0002	0.0002	0.001	0.001
C07-C08	Salivary gland	-	-	-	-
C09	Tonsil	-	-	-	-
C10	Other Oropharynx	0.0002	0.0002	0.0002	0.0002
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	0.0004	0.0004	0.0004	0.0004
C14	Pharynx Unspecified	0.0002	0.0002	0.0006	0.0006
C15	Oesophagus	0.01	0.01	0.01	0.01
C16	Stomach	0.0005	0.0005	0.002	0.002
C17	Small intestine	-	-	-	-
C18	Colon	0.0003	0.0003	0.0003	0.0003
C19-C20	Rectum	0.0001	0.0001	0.0001	0.0001
C21	Anus	0.0005	0.0005	0.0005	0.0005
C22	Liver	0.0005	0.0005	0.001	0.001
C23-C24	Gall Bladder	0.002	0.002	0.004	0.004
C25	Pancreas	0.0008	0.0008	0.0008	0.0008
C30-C31	Nose, Sinuses etc	-	-	-	-
C32	Larynx	0.0004	0.0004	0.0004	0.0004
C33-C34	Lung etc.	0.001	0.001	0.001	0.001
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	0.0004	0.0004	0.0004	0.0004
C43	Melanoma of skin	0	0	0	0
C44	Other skin	0.0002	0.0002	0.0006	0.0006
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-
C50	Breast	0.01	0.01	0.01	0.01
C51	Vulva	0.0002	0.0002	0.0002	0.0002
C52	Vagina	-	-	-	-
C53	Cervix Uteri	0.01	0.01	0.01	0.01
C54	Corpus Uteri	0.0005	0.0005	0.0005	0.0005
C55	Uterus unspecified	-	-	-	-
C56	Ovary etc.	0.003	0.003	0.004	0.004
C57	Other female genital	-	-	-	-
C58	Placenta	-	-	-	-
C64	Kidney	0.001	0.001	0.001	0.001
C65	Renal Pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	-	-	0.0006	0.0006
C68	Other urinary organs	-	-	-	-
C69	Eye	-	-	-	-
C70-C72	Brain, NS	0.0008	0.0008	0.0008	0.0008
C73	Thyroid	0.001	0.001	0.001	0.001
C74	Adrenal gland	0.0002	0.0002	0.0002	0.0002
C81	Hodgkins Disease	0.0002	0.0002	0.0002	0.0002
C82-C85,C96	NHL	0.0005	0.0005	0.0009	0.0009
C88	Imm. disease	-	-	-	-
C90	Multiple Myeloma	0.0005	0.0005	0.0005	0.0005
C91	Lymphoid Leukemia	0.0006	0.0006	0.0006	0.0006
C92-C94	Myeloid Leukemia	0.002	0.002	0.002	0.002
C95	Leukemia Unspecified	0.0002	0.0002	0.0002	0.0002
Other & Unspecified*		0.003	0.003	0.005	0.005
Total		**0.05**	**0.05**	**0.07**	**0.07**

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

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

ICD 10	Site	Radiology		Endoscopy		Microscopic		Death Certificate / Other**		Total	
		#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	10	100.0	-	-	**10**	**100.0**
C03-06	Mouth	-	-	-	-	6	100.0	-	-	**6**	**100.0**
C07-C08	Salivary glands	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C09	Tonsil	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C10	Other Oropharynx	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C14	Pharynx Unspecified	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C15	Oesophagus	-	-	1	4.5	21	95.5	-	-	**22**	**100.0**
C16	Stomach	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C19-C20	Rectum	-	-	-	-	1	50.0	1	50.0	**2**	**100.0**
C21	Anus & Anal Canal	-	-	-	-	1	100.0	-	-	**1**	**-**
C22	Liver	1	10.0	-	-	9	90.0	-	-	**10**	**100.0**
C23	Gall Bladder etc	-	-	-	-	5	100.0	-	-	**5**	**100.0**
C25	Pancreas	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C30-C31	Nose, sinuses etc.	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C32	Larynx	1	7.7	-	-	12	92.3	-	-	**13**	**100.0**
C33-C34	Lung etc.	-	-	-	-	8	88.9	1	11.1	**9**	**100.0**
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	4	100.0	-	-	**4**	**100.0**
C43	Melanoma of skin	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C44	Other Skin	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C50	Breast	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C60	Penis	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C61	Prostate	1	9.1	-	-	9	81.8	1	9.1	**11**	**100.0**
C62	Testis	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C63	Oth male genital	-	-	-	-	-	-	-	-	**0**	
C64	Kidney etc.	1	25.0	-	-	3	75.0	-	-	**4**	**100.0**
C67	Bladder	-	-	-	-	5	100.0	-	-	**5**	**100.0**
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	1	10.0	-	-	9	90.0	-	-	**10**	**100.0**
C73	Thyroid	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C82-C85,C96	NHL	-	-	-	-	7	100.0	-	-	**7**	**100.0**
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C91	Lymphoid Leukemia	-	-	-	-	7	100.0	-	-	**7**	**100.0**
C92-C94	Myeloid Leukemia	-	-	-	-	8	100.0	-	-	**8**	**100.0**
C95	Leukemia Unspecified	-	-	-	-	1	100.0	-	-	**1**	**100.0**
Other & Unspecified*		3	7.7	1	2.6	33	84.6	2	5.1	**39**	**100.0**
Total		**8**	**3.9**	**2**	**1.0**	**188**	**92.6**	**5**	**2.5**	**203**	**100.0**

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

** Other: Information based on patientsrelatives / medical note

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

ICD 10	Site	Radiology		Endoscopy		Microscopic		Death Certificate / Other**		Total	
		#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C03-C06	Mouth	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	1	100.0			**1**	**100.0**
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C14	Pharynx Unspecified	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C15	Oesophagus	1	3.8	4	11.5	21	80.8	-	-	**26**	**100.0**
C16	Stomach	-	-	-	-	3	75.0	1	25.0	**4**	**100.0**
C17	Small intestine	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C19-C20	Rectum	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C21	Anus	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C22	Liver	1	33.3	-	-	2	66.7	-	-	**3**	**100.0**
C23-C24	Gall Bladder	-	-	-	-	12	100.0	-	-	**12**	**100.0**
C25	Pancreas	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C33-C34	Lung etc.	1	20.0	-	-	4	80.0	-	-	**5**	**100.0**
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C50	Breast	-	-	-	-	51	100.0	-	-	**51**	**100.0**
C51	Vulva	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C52	Vagina	-	-	-	-			-	-	-	-
C53	Cervix Uteri	-	-	-	-	46	100.0	-	-	**46**	**100.0**
C54	Corpus Uteri	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C55	Uterus unspecified	-	-	-	-			-	-	-	-
C56	Ovary etc.	-	-	-	-	13	92.9	1	7.1	**14**	**100.0**
C57	Other female genital	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-
C64	Kidney	1	20.0	-	-	4	80.0	-	-	**5**	**100.0**
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	5	100.0	-	-	**5**	**100.0**
C73	Thyroid	-	-	-	-	4	100.0	-	-	**4**	**100.0**
C74	Adrenal gland	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C81	Hodgkins Disease	-	-	-	-	1	100.0	-	-	**1**	**100.0**
C82-C85,C96	NHL	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	2	100.0	-	-	**2**	**100.0**
C91	Lymphoid Leukemia	-	-	-	-	3	100.0	-	-	**3**	**100.0**
C92-C94	Myeloid Leukemia	-	-	-	-	10	100.0	-	-	**10**	**100.0**
C95	Leukemia Unspecified	-	-	-	-	-	-	1	100.0	**1**	**100.0**
Other & Unspecified*		1	5.6	-	-	-	77.8	3	16.7	**18**	**100.0**
Total		**5**	**2.0**	**4**	**1.6**	**229**	**93.9**	**6**	**2.5**	**244**	**100.0**

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

** Other: Information based on patients relatives / medical note

Table 20: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2014 –Males Mansa District

% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_ 4	5_ 9	10_ 14	15_ 19	20_ 24	25_ 29	30_ 34	35_ 39	40_ 44	45_ 49	50_ 54	55_ 59	60_ 64	65_ 69	70_ 74	75 +	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	-	-	1	1	-	1	2	-	1	**6**	**4.5**
C03-06	Mouth	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	**3**	**2.2**
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	**1**	**0.7**
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	**1**	**0.7**
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	**2**	**1.5**
C14	Pharynx Unspecified	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	**1**	**0.7**
C15	Oesophagus	-	-	-	-	-	-	-	-	1	3	5	1	2	1	1	2	**16**	**11.9**
C16	Stomach	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	**2**	**1.5**
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	**2**	**1.5**
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	**3**	**2.2**
C22	Liver	-	-	-	-	-	-	1	-	1	-	1	-	4	2	-	1	**10**	**7.5**
C23	Gall Bladder etc	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	**2**	**1.5**
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	**1**	**0.7**
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	2		1	**3**	**2.2**
C33-C34	Lung etc.	-	-	-	-	-	-	-	1	-	3	-	1	3	-	2	-	**10**	**7.5**
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	**1**	**0.7**
C43	Melanoma of skin	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	**1**	**0.7**
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	**1**	**0.7**
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	**1**	**0.7**
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**	**0.7**
C61	Prostate	-	-	-	-	-	-	-	-	-	-	1	1	-	2	3	4	**11**	**8.2**
C62	Testis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	**1**	**0.7**
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	2	-	-	-	1	1	-	**4**	**3.0**
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	**1**	**0.7**
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	-	1	1	-	1	-	-	-	1	-	1	-	**5**	**3.7**
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	NHL	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	**3**	**2.2**
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid Leukemia	1	-	-	2	1	-	-	-	-	-	-	-	-	1	-	-	**5**	**3.7**
C92-C94	Myeloid Leukemia	-	-	1	-	-	-	-	-	-	1	-	1	1	2	-	1	**7**	**5.2**
C95	Leukemia Unspecified	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	**1**	**0.7**
Other & Unspecified*			-	-	-	-	-	1	1	1	4	3	2	3	5	1	7	**28**	**20.9**
Total		**1**	**-**	**1**	**2**	**1**	**2**	**4**	**3**	**6**	**18**	**15**	**8**	**19**	**22**	**12**	**20**	**134**	**100**

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

Table 21: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2014 –Females
Mansa District
% = Relative Proportion of Cancers of All Sites

ICD 10	Sites	0_4	5_9	10_14	15_19	20_24	25_29	30_34	35_39	40_44	45_49	50_54	55_59	60_64	65_69	70_74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	**1**	**0.8**
C01-C02	Tongue	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	**2**	**1.7**
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	**2**	**1.7**
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	-	1	2	1	-	3	-	1	2	**10**	**8.3**
C16	Stomach	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	**2**	**1.7**
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**	**0.8**
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	**1**	**0.8**
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	**1**	**0.8**
C23-C24	Gall Bladder	-	-	-	-	-	-	-	-	-	1	1	1	4	1	2	-	**10**	**8.3**
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Lung etc	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	**3**	**2.5**
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	**2**	**1.7**
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	-	-						1				2	**3**	**2.5**
C50	Breast	-	-	-	-	-	-	1		1	2	6	1	1	4	1	1	**18**	**15.0**
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	1				**1**	**0.8**
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	Cervix Uteri	-	-	-	-	-	-	-	4	1	3	4	1	1	2	1	2	**19**	**15.8**
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	-	-	-	-	1	-	-	1	2	-	-	1		1			**6**	**5.0**
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	1	-	-	-	-	-	-	-	-	2	1	1	1	-	-	**6**	**5.0**
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	**1**	**0.8**
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
C70-C72	Brain, NS	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	**3**	**2.5**
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	**1**	**0.8**
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	NHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	**1**	**0.8**
C91	Lymphoid Leukemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	1	-	1	-	2	-	-	1	1	-	**6**	**5.0**
C95	Leukemia Unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	**1**	**0.8**
Other & Unspecified*			-	-	-	-	-	-	3	1	2	4	1	1	1	1	3	**18**	**15.0**
Total		**-**	**1**	**1**	**-**	**1**	**1**	**3**	**12**	**8**	**11**	**22**	**9**	**17**	**12**	**10**	**12**	**120**	**100**

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

Table 22: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64yrs) (TR) Mortality Rate per 100,000 population: 2014 – 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	-	4.2	5.4	-	6.0	13.2	-	9.9	**1.4**	**1.4**	**2.5**
C03-06	-	-	-	-	-	-	-	-	3.6	-	5.4	-	6.0	-	-	-	**0.7**	**0.7**	**2.4**
C07-C08	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	**0.2**	**0.3**	**0.9**
C09	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	**0.2**	**0.3**	**0.9**
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2	-	-	**0.5**	**0.4**	**0.0**
C14	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	**0.2**	**0.2**	**0.7**
C15	-	-	-	-	-	-	-	-	3.7	12.4	27.1	7.9	12.0	6.6	10.5	19.8	**3.8**	**3.9**	**10.0**
C16	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	9.9	**0.5**	**0.5**	**0.8**
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	10.5	-	**0.5**	**0.4**	**0.7**
C19-C20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21	-	-	-	-	-	-	-	-	-	4.2	-	-	12.0	-	-	-	**0.7**	**0.7**	**2.4**
C22	-	-	-	-	-	-	3.3	-	3.7	-	5.4	-	24.0	13.2	-	9.9	**2.4**	**2.2**	**4.7**
C23	-	-	-	-	-	-	-	-	-	-	-	7.9	6.0	-	-	-	**0.5**	**0.6**	**1.8**
C25	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	**0.2**	**0.3**	**1.0**
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2	-	9.9	**0.7**	**0.6**	**0.0**
C33-C34	-	-	-	-	-	-	-	3.5	-	12.4	-	7.9	18.0	-	21.0	-	**2.4**	**2.4**	**6.4**
C37-C38	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	**0.2**	**0.3**	**0.8**
C43	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-	-	**0.2**	**0.2**	**0.0**
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	**0.2**	**0.2**	**0.0**
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5	-	**0.2**	**0.2**	**0.0**
C60	-	-	-	-	-	-	-	-	-	-	-	-	-		21.0	-	**0.5**	**0.4**	**0.0**
C61	-	-	-	-	-	-	-	-	-	-	5.4	7.9	-	13.2	31.5	39.6	**2.6**	**2.4**	**1.9**
C62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	**0.2**	**0.2**	**0.0**
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	8.3	-	-	-	6.6	10.5	-	**0.9**	**0.9**	**1.6**
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	**0.2**	**0.3**	**0.9**
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	2.9	3.3	-	3.6	-	-	-	6.0	-	10.5	-	**1.2**	**1.1**	**1.5**
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	-	-	-	-	-	-	-	-	-	4.2	-	-	-	6.6	10.5	-	**0.7**	**0.7**	**0.8**
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	3.3	-	-	4.1	2.3	-	-	-	-	-	-	-	-	6.6	-	-	**1.2**	**1.2**	-
C92-C94	-	-	2.4	-	-	-	-	-	-	4.2	-	7.9	6.0	13.2	-	9.9	**1.7**	**1.6**	**2.6**
C95	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	**0.2**	**0.2**	-
O & U*	-	-	-	-	-	-	3.3	3.5	3.7	16.6	16.2	15.8	18.0	33.1	10.5	69.3	**6.6**	**6.4**	**11.6**
Total	**3.3**	**-**	**2.4**	**4.1**	**2.3**	**5.8**	**13.3**	**10.5**	**21.9**	**74.7**	**81.2**	**63.1**	**114.1**	**138.9**	**147.0**	**197.9**	**31.8**	**30.8**	**56.9**

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

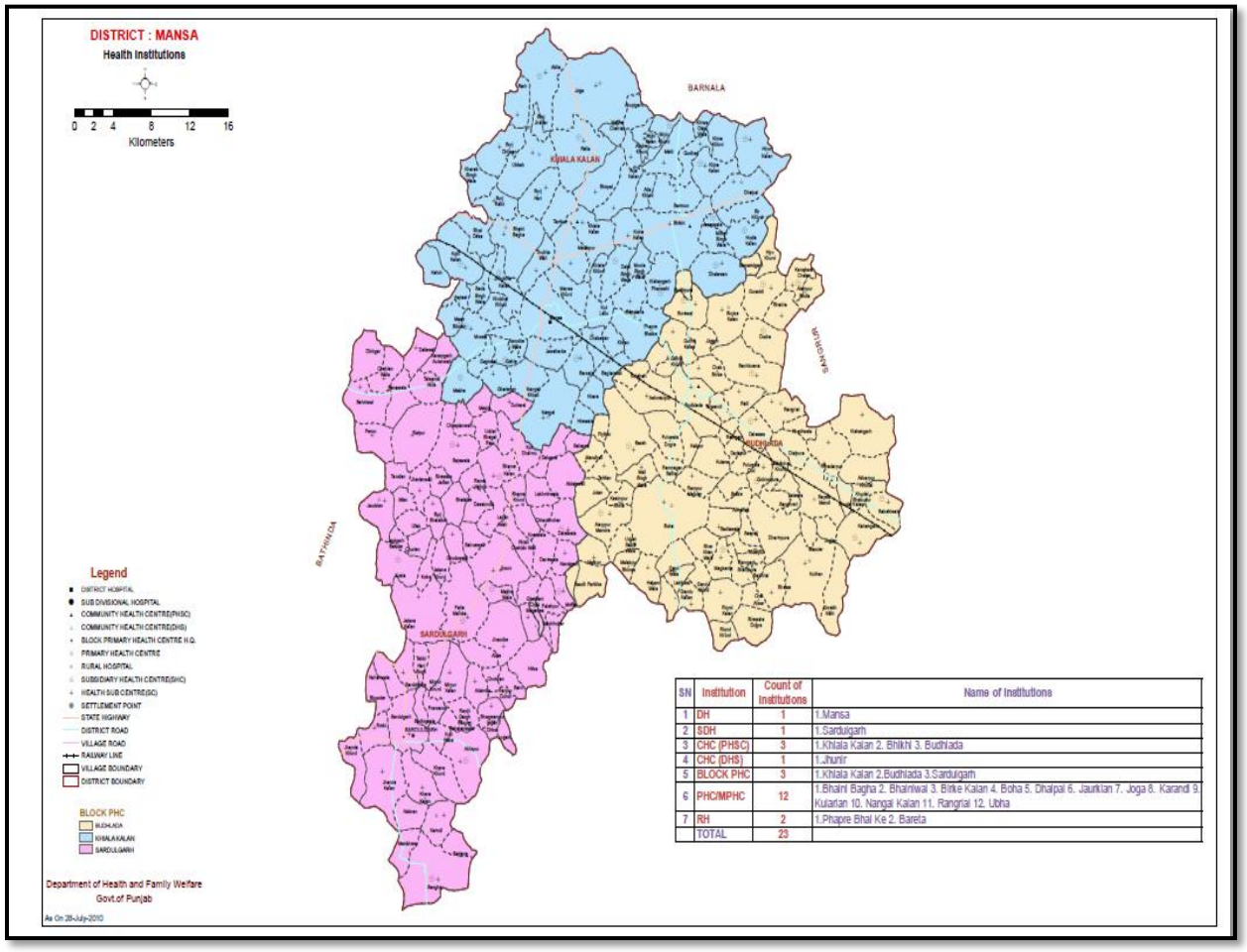
Table 23: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64yrs) (TR) Mortality Rate per 100,000 population: 2014 – Female Mansa District

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	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	**0.3**	**0.3**	**0.9**
C01-C02	-	-	-	-	-	-	-	3.6	-	-	-	-	5.0	-	-	-	**0.5**	**0.4**	**1.3**
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	12.7	-	**0.5**	**0.5**	**0.6**
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	3.9	9.3	6.3	-	15.0	-	12.7	18.1	**2.7**	**2.3**	**5.5**
C16	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	12.7	-	**0.5**	**0.5**	**0.6**
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**
C18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7	9.0	**0.5**	**0.5**	**0.0**
C19-C20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-	-	**0.3**	**0.2**	**0.0**
C23-C24	-	-	-	-	-	-	-	-	-	4.6	6.3	7.7	19.9	8.0	25.3	-	**2.7**	**2.4**	**5.5**
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	-	-	6.3	7.7	5.0	-	-	-	**0.8**	**0.8**	**2.7**
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	3.2	-	-	-	-	3.6	-	-	-	-	-	-	-	-	**0.5**	**0.5**	**0.7**
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	-	7.7	-	-	-	18.1	**0.8**	**0.7**	**1.0**
C50	-	-	-	-	-	-	3.5	-	3.9	9.3	38.1	7.7	5.0	31.8	12.7	9.0	**4.8**	**4.8**	**10.3**
C51	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	-	**0.3**	**0.2**	**0.6**
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	-	14.5	3.9	13.9	25.4	7.7	5.0	15.9	12.7	18.1	**5.1**	**4.8**	**12.0**
C54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	2.7	-	-	7.3	7.8	-	-	7.7	-	8.0	-	-	**1.9**	**1.7**	**3.9**
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	3.7	-	-	-	-	-	-	-	-	12.7	7.7	5.0	8.0	-	-	**1.6**	**1.8**	**3.7**
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	**0.3**	**0.2**	**0.0**
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	-	7.3	-	-	-	7.7	-	-	-	-	**0.8**	**0.7**	**2.4**
C73	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-	-	**0.3**	**0.3**	**1.0**
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	-	**0.3**	**0.2**	**0.6**
C91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C92-C94	-	-	-	-	-	-	3.5	-	3.9	-	12.7	-	-	8.0	12.7	-	**1.6**	**1.6**	**2.8**
C95	-	-	-	-	-	-	-	-	3.9	-	-	-	-	-	-	-	**0.3**	**0.2**	**0.8**
O & U*	-	-	-	-	-	-	3.5	10.9	3.9	9.3	25.4	7.7	5.0	8.0	12.7	27.1	**4.8**	**4.5**	**10.4**
Total	**-**	**3.7**	**3.2**	**-**	**2.7**	**-**	**10.4**	**47.2**	**31.3**	**51.0**	**139.5**	**69.2**	**84.7**	**95.4**	**126.6**	**108.5**	**32.1**	**30.0**	**67.3**

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

16. Village-Wise Incidence and Mortality Cases

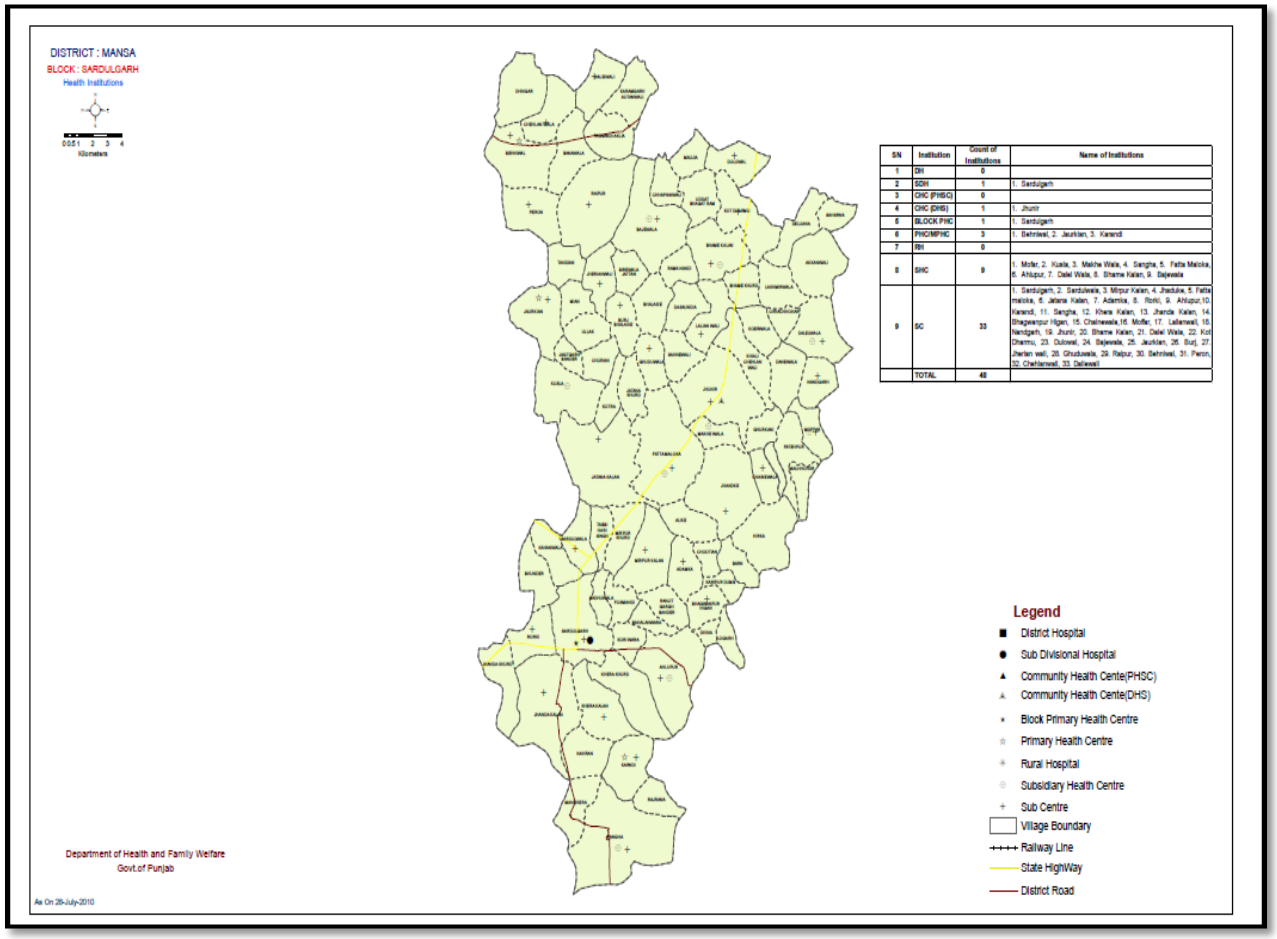
Village-Wise Cancer Incidence Cases and Mortality Cases: Mansa District



SN	Institution	Count of Institutions	Name of Institutions
1	DH	1	1.Mansa
2	SDH	1	1.Sardulgarh
3	CHC (PHSC)	3	1.Khiala Kalan 2. Bhikhi 3. Budhlada
4	CHC (DHS)	1	1.Jhunir
5	BLOCK PHC	3	1.Khiala Kalan 2.Budhlada 3.Sardulgarh
6	PHC/MPHC	12	1.Bhaini Bagha 2. Bhainiwal 3. Bitike Kalan 4. Boha 5. Dhalpal 6. Jaunkan 7. Joga 8. Karandi 9. Kularian 10. Nangal Kalan 11. Rangrial 12. Ubha
7	RH	2	1.Phapre Bhai Ke 2. Bareta
	TOTAL	23	

Block	Incidence			Mortality		
	Male	Female	Total	Male	Female	Total
Sardulgarh	42	62	104	27	21	48
Budhlada	74	80	154	57	46	103
Khiala Kalan	87	102	189	50	53	103
Total	**203**	**244**	**447**	**134**	**120**	**254**

Village-Wise Cancer Incidence Cases and Mortality Cases: Sardulgarh, Mansa District

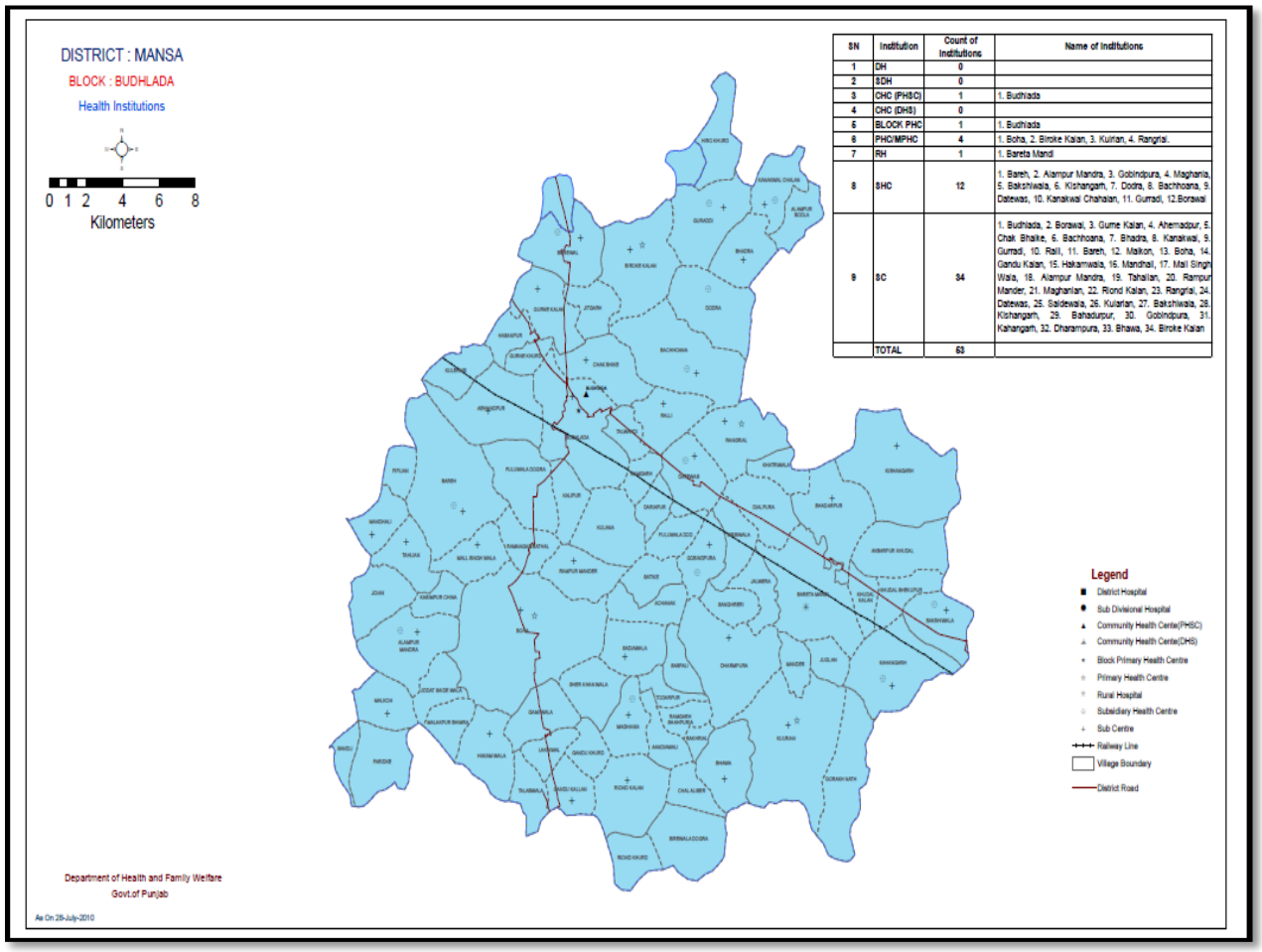


Village-Wise Cancer Incidence and Mortality, Sardulgarh, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Adamke	-	1	1	-	-	-
2	Ahlupur	-	-	-	-	-	-
3	Akkanwali	-	-	-	-	-	-
4	Alike	-	-	-	-	1	1
5	Bajewala	1	1	2	-	1	1
6	Banawali	-	-	-	-	-	-
7	Behniwal	1	2	3	-	-	-
8	Barn	-	-	-	1	1	2
9	Bhagwanpurhigna	-	-	-	-	-	-
10	Bhamme Kalan	-	2	2	-	2	2
11	BhammeKhurd	-	1	1	-	-	-
12	Bhallanwara	-	1	1	-	-	-
13	Bhunder	-	-	-	-	-	-
14	Bire Wala Jattan	-	2	2	1	1	2

Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
15	Burj	-	-	-	-	-	-
16	BurjBhalaiKe	1	4	5	1	2	3
17	Chachohar	-	1	1	-	-	-
18	Chaine Wala	-	-	-	-	-	-
19	Chahlanwala	-	1	1	-	-	-
20	Chapianwali	-	-	-	-	-	-
21	Chotian	-	-	-	-	-	-
22	Churian	-	-	-	-	-	-
23	Dalelwala	-	3	3	-	1	1
24	Daliawali	-	1	1	-	1	1
25	Danewala	1	-	1	-	-	-
26	Dasoundia	-	-	-	-	-	-
27	Deluana	-	-	-	-	-	-
28	Dhingana	-	-	-	-	-	-
29	Dhinger	-	-	-	-	-	-
30	Dulowal	3	1	4	1	-	1
31	Fatehpur	-	-	-	1	-	1
32	Fattamaloka	-	2	2	1	-	1
33	Fusmandi	-	-	-	1	-	1
34	Ghurkani	-	2	2	-	-	-
35	Ghudduwala	-	-	-	-	-	-
36	SardulgarhBadian	-	-	-	-	-	-
37	Hirke	3	1	4	-	1	1
38	JagatgarhBandran	-	-	-	-	-	-
39	Jhanda Kalan	-	-	-	-	-	-
40	Jatana Kalan	1	2	3	-	-	-
41	JatanaKhurd	-	-	-	-	-	-
42	Jhandakhurd	2	1	3	1	-	1
43	JhanduKe	1	3	4	1	-	1
44	Jherianwali	-	-	-	-	-	-
45	Jhunir	1	1	2	-	-	-
46	Jorhkian	-	-	-	-	-	-
47	Kahnewala	4	-	4	1	-	1
48	Karipur Dumb	1	-	1	1	-	1
49	KaramgarhAutawali	-	2	2	-	1	1
50	Karandi	1	-	1	-	-	-
51	Kaurianwara	-	-	-	1	-	1
52	Khera Kalan	1	-	1	1	-	1
53	KheraKhurd	4	1	5	2	-	2
54	KhihaliChalanwali	2	3	5	1	1	2
55	Korwala	-	-	-	-	-	-
56	KotDharmu	3	2	5	3	3	6
57	Kotra	-	-	-	-	-	-
58	Kusla	-	-	-	-	-	-
59	Lakhmirwala	-	-	-	-	-	-
60	Lalianwali	1	1	2	2	1	3
61	Lohgarh	1	1	2	-	2	2
62	Luharkhera	-	-	-	-	-	-

Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
63	Makhewala	-	1	1	-	-	-
64	Mankhera	-	-	-	-	-	-
65	Meerpur Kalan	1	2	3	2	-	2
66	MeerpurKhurd	1	1	2	-	-	-
67	Mian	-	-	-	-	-	-
68	Moda	-	-	-	-	-	-
69	Moffar	-	1	1	-	-	-
70	Mojia	-	2	2	-	-	-
71	Naharan	-	-	-	-	-	-
72	Nandgarh	-	-	-	-	-	-
73	Peron	-	1	1	1	1	2
74	Raipur	-	-	-	-	1	1
75	Ramanandi	1	1	2	1	-	1
76	RanjitgarhBandran	-	-	-	1	-	1
77	Rorki	-	2	2	-	-	-
78	Rajrana	-	-	-	-	-	-
79	Sahnewali	-	-	-	-	-	-
80	Sangha	2	1	3	-	-	-
81	Sardulewala	1	2	3	-	-	-
82	Sadhuwala	-	-	-	-	-	-
83	Sardulgarh Local	2	2	4	1	-	1
84	Saharna	-	-	-	-	-	-
85	Tandian	1	2	3	-	-	-
86	TalwandiAklia	-	-	-	-	-	-
87	Tibi Hari Singh	-	1	1	-	-	-
88	Uddat bhagat ram	-	-	-	-	-	-
89	Ullak	-	-	-	-	-	-
Total		**42**	**62**	**104**	**27**	**21**	**48**

Village-Wise Cancer Incidence Cases and Mortality Cases: Budhlada, Mansa District



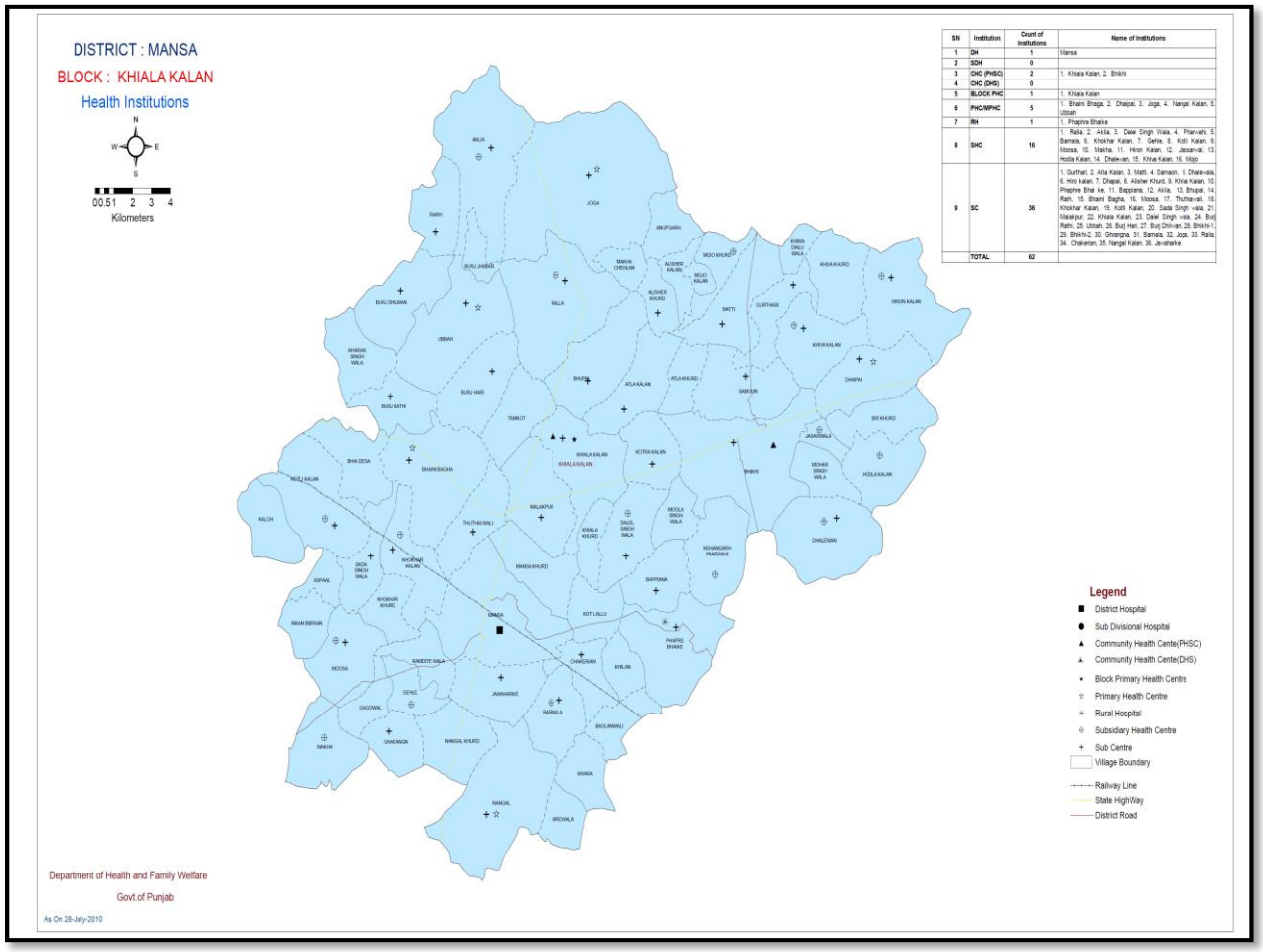
SN	Institution	Count of Institutions	Name of Institutions
1	DH	0	
2	SDH	0	
3	CHC (PHSC)	1	1. Budhlada
4	CHC (DHS)	0	
5	BLOCK PHC	1	1. Budhlada
6	PHC/MPHC	4	1. Boha, 2. Biroke Kalan, 3. Kulran, 4. Rangrial.
7	RH	1	1. Bareta Mandi
8	SHC	12	1. Bareh, 2. Alampur Mandra, 3. Gobindpura, 4. Maghania, 5. Bakshiwala, 6. Kishangarh, 7. Dodra, 8. Bachhoana, 9. Datewas, 10. Kanakwal Chahalan, 11. Gurradi, 12.Borawal
9	SC	34	1. Budhlada, 2. Borawal, 3. Gume Kalan, 4. Ahemadpur, 5. Chak Bhaike, 6. Bachhoana, 7. Bhadra, 8. Kanakwal, 9. Gurradi, 10. Rall, 11. Bareh, 12. Malkon, 13. Boha, 14. Gandu Kalan, 15. Hakamwala, 16. Mandhali, 17. Mall Singh Wala, 18. Alampur Mandra, 19. Tahalian, 20. Rampur Mander, 21. Maghanian, 22. Riond Kalan, 23. Rangrial, 24. Datewas, 25. Saidewala, 26. Kularian, 27. Bakshiwala, 28. Kishangarh, 29. Bahadurpur, 30. Gobindpura, 31. Kahangarh, 32. Dharampura, 33. Bhawa, 34. Biroke Kalan
	TOTAL	63	

Village-Wise Cancer Incidence and Mortality Budhlada, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Achanak	1	1	2	-	-	-
2	Ahemdpur	1	1	2	1	1	2
3	AkbarpurKhudal	-	2	2	-	-	-
4	AalmpurBodla	-	1	1	-	1	1
5	AalampurMandran	3	2	5	2	1	3
6	Andianwali	-	-	-	-	-	-
7	Bachhoana	2	-	2	-	-	-
8	BahadarPur	4	1	5	2	3	5
9	Bhakhrial	1	-	1	-	-	-
10	Bakhshiwala	-	1	1	-	-	-
11	Baretta	6	4	10	2	2	4
12	Barhe	2	-	2	1	-	1

Village-Wise Cancer Incidence and Mortality Budhlada, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
13	Bhadra	-	-	-	-	-	-
14	Bhawa	-	-	-	-	-	-
15	Birewala Dogra	2	-	2	1	-	1
16	Birokekalan	-	-	-	-	-	-
17	Birokekhurd	1	-	1	1	-	1
18	Boha	2	3	5	1	-	1
19	Borawal	-	4	4	-	1	1
20	BudhladaLocaL	8	7	15	9	10	19
21	BudhladaPind	2	2	4	1	-	1
22	ChakAlisher	1	1	2	-	-	-
23	Chak Bhai Ke	1	-	1	-	-	-
24	Dariapur Kalan	-	-	-	-	1	1
25	Datewas	1	1	2	1	-	1
26	Dharmpura	7	1	8	6	1	7
27	Dodra	1	1	2	2	-	2
28	Dyalpura	-	1	1	-	-	-
29	Faridke	-	-	-	-	-	-
30	Fulluwaladod	1	1	2	1	1	2
31	Fulluwaladogra	-	2	2	-	-	-
32	Gamiwala	-	2	2	-	1	1
33	Gandukalan	-	-	-	-	-	-
34	Gobindpura	-	1	1	-	1	1
35	Gorakhnath	-	-	-	-	1	1
36	Gurradi	1	5	6	1	2	3
37	Gurne Kalan	2	2	4	1	2	3
38	Gurnekhurd	-	-	-	-	-	-
39	Hakamwala	-	1	1	-	-	-
40	Hasan pur	-	-	-	-	-	-
41	HironKhurd	1	2	3	1	2	3
42	Jalwehra	-	1	1	1	-	1
43	Joian	-	1	1	-	-	-
44	Juglan	-	-	-	-	-	-
45	Kahangarh	2	1	3	1	2	3
46	Kalipur	-	-	-	-	1	1
47	KanakwalChehlan	-	1	1	-	1	1
48	Kashampur China	-	1	1	-	-	-
49	Khattriwala	-	1	1	1	-	1
50	Khiva Miha Singh wala	-	-	-	-	-	-

Village-Wise Cancer Incidence and Mortality Budhlada, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
51	Khudal Kalan	-	-	-	1	-	1
52	Kishangarh	-	1	1	1	-	1
53	Kulana	1	1	2	1	-	1
54	Kulehri	2	4	6	1	1	2
55	Kulrian	5	2	7	7	3	10
56	Lakhiwal	1	-	1	1	-	1
57	Maghania	-	-	-	-	-	-
58	MalakpurBhimra	-	-	-	1	-	1
59	Malkon	-	1	1	-	-	-
60	Mall Singh Wala	-	-	-	-	-	-
61	Mander	-	-	-	-	-	-
62	Mandhali	1	2	3	-	2	2
63	Piplian	1	-	1	1	-	1
64	Ralli	2	4	6	-	-	-
65	RamnagarBhatal	2	-	2	-	1	1
66	Ramgarh Dariyapur	-	-	-	-	-	-
67	Ramgarh Shapurian	-	-	-	-	-	-
68	Rampur Mander	1	-	1	-	-	-
69	Ranghrial	2	1	3	-	-	-
70	Riondkalan	2	-	2	3	-	3
71	RiondKhurd	-	1	1	-	1	1
72	Saidewala	1	1	2	1	1	2
73	Sandli	-	-	-	-	-	-
74	Sangreri	-	-	-	1	-	1
75	Saspali	-	1	1	-	1	1
76	Sati ke	-	1	1	-	-	-
77	ShekhupurKhudal	-	-	-	-	-	-
78	Sher khan Wala	-	1	1	-	-	-
79	Sirsiwala	-	-	-	-	-	-
80	Tahlian	-	1	1	-	1	1
81	Talabwala	-	1	1	-	-	-
82	Todarpur	-	-	-	-	-	0
83	UddatSaidewala	-	1	1	1	-	1
Total		**74**	**80**	**154**	**57**	**46**	**103**

Village-Wise cancer incidence cases and mortality cases: Khiala Kalan, Mansa District



SN	Institution	Count of Institutions	Name of Institutions
1	DH	1	Mansa
2	SDH	0	
3	CHC (PHSC)	2	1. Khiala Kalan, 2. Bhikhi
4	CHC (DHS)	0	
5	BLOCK PHC	1	1. Khiala Kalan
6	PHC/MPHC	5	1. Bhaini Bhaga, 2. Dhaipai, 3. Joga, 4. Nangal Kalan, 5. Ubhah
7	RH	1	1. Phaphre Bhaike
8	SHC	16	1. Ralia, 2. Aklia, 3. Dalel Singh Wala, 4. Pharvahi, 5. Barnala, 6. Khokhar Kalan, 7. Gehle, 8. Kotli Kalan, 9. Moosa, 10. Makha, 11. Hiron Kalan, 12. Jassanwal, 13. Hoda Kalan, 14. Dhaliwan, 15. Khiva Kalan, 16. Migo
9	SC	36	1. Gurthari, 2. Atla Kalan, 3. Matti, 4. Samaon, 5. Dhaliwala, 6. Hiro kalan, 7. Dhapai, 8. Alisher Khurd, 9. Khiva Kalan, 10. Phaphre Bhai ke, 11. Bappiana, 12. Aklia, 13. Bhupal, 14. Rath, 15. Bhaini Bagha, 16. Moosa, 17. Thuhia-wali, 18. Khokhar Kalan, 19. Kotli Kalan, 20. Sada Singh wala, 21. Malakpur, 22. Khiala Kalan, 23. Dalel Singh wala, 24. Burj Rathi, 25. Ubhah, 26. Burj Hari, 27. Burj Dhilwan, 28. Bhikhi-1, 29. Bhikhi-2, 30. Gharegna, 31. Barnala, 32. Joga, 33. Ralia, 34. Chakerian, 35. Nangal Kalan, 36. Jeviharke
	TOTAL	62	

Village-Wise Cancer Incidence and Mortality Khiala Kalan, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
1	Aklia	1	3	4	-	-	-
2	Ali Sher kalan	3	2	5	-	1	1
3	Ali Sher Khurd	-	-	-	-	-	-
4	Anoop garh	-	-	-	-	-	-
5	Aspal	-	1	1	1	-	1
6	Atlakalan	-	-	-	-	-	-
7	Atlakhurd	-	1	1	-	2	2
8	Bappiana	-	3	3	-	1	1
9	Barnala	1	-	1	1	-	1
10	Bhai desa	-	-	-	-	-	-
11	BhainiBaga	4	2	6	-	2	2

Village-Wise Cancer Incidence and Mortality Khiala Kalan, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
12	Bhikhi	7	11	18	2	8	10
13	BhupalKhurd	-	-	-	-	-	-
14	Bhupalkalan	1	2	3	2	2	4
15	Bir Khurd	-	1	1	-	1	1
16	BurjJhabbar	-	-	-	1	-	1
17	BurjDhillwan	-	1	1	-	1	1
18	Burjhari	2	1	3	3	1	4
19	BurjRathi	2	1	3	-	-	-
20	Chakerian	1	-	1	1	-	1
21	Dalel Singh wala	1	-	1	-	-	-
22	Dhaipi	-	1	1	-	1	1
23	Dhalewan	1	2	3	1	1	2
24	Gagowal	-	-	-	1	-	1
25	Gharangana	3	-	3	1	-	1
26	Ghele	1	-	1	1	-	1
27	Gurthari	-	1	1	-	-	-
28	Hironkalan	2	2	4	2	-	2
29	Hirewala	-	2	2	-	-	-
30	Hodla Kalan	-	2	2	-	-	-
31	Jawaharke	1	1	2	1	1	2
32	Jaserwala	-	-	-	-	-	-
33	Joga	1	2	3	-	3	3
34	Kahllon	-	1	1	-	1	1
35	Khara	3	1	4	3	1	4
36	Kharak Singh Wala	-	3	3	-	1	1
37	Khiala Kalan	3	2	5	2	1	3
38	KhialaKhurd	-	-	-	-	-	-
39	Khillan	1	1	2	-	1	1
40	Khiva Dyalu	1	-	1	1	-	1
41	Khiva Kalan	1	2	3	1	-	1
42	Khiva Khurd	-	-	-	-	-	-
43	Khokharkalan	2	5	7	1	1	2
44	KhokharKhurd	1	-	1	2	-	2
45	KishangarhurfPharwahi	2	-	2	1	-	1
46	Kotlallu	-	-	-	-	1	1
47	Kotlikalan	2	3	5	1	-	1
48	Kotrakalan	1	2	3	2	2	4
49	Man Bibrian	-	-	-	-	-	-

Village-Wise Cancer Incidence and Mortality Khiala Kalan, Mansa District							
Sr. No.	Village Name	Incidence 2014			Mortality 2014		
		Male	Female	Total	Male	Female	Total
50	Makha	1	1	2	1	1	2
51	MakhaChehlan	-	-	-	-	2	2
52	MalakpurKhiala	-	1	1	-	-	-
53	Mansa Kanchian	-	-	-	-	-	-
54	Mansa Khurd	1	-	1	-	-	-
55	Mansa Local	24	19	43	10	8	18
56	Mojo Kalan	1	1	2	-	-	-
57	Mojo Khurd	-	-	-	-	-	-
58	Matti	-	-	-	1	-	1
59	Moola Singh Wala	-	1	1	-	2	2
60	Mohar Singh Wala	-	-	-	-	1	1
61	Moosa	2	-	2	1	-	1
62	Narinder Pura	-	-	-	-	-	-
63	Nangal Kalan	2	3	5	1	1	2
64	Nangal Khurd	1	3	4	-	-	-
65	PhaphreBhaike	1	-	1	-	-	-
66	Ralla	-	2	2	-	1	1
67	RamditteWala	-	-	-	-	-	-
68	Rarh	-	2	2	-	1	1
69	Sadda Singh Wala	-	2	2	-	-	-
70	Samaon	2	3	5	2	1	3
71	Tamkot	3	1	4	2	-	2
72	Thuthianwali	-	-	-	-	-	-
73	Ubha	-	1	1	-	1	1
Total		**87**	**102**	**189**	**50**	**53**	**103**

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18. Acknowledgements

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Sh. Vikas Garg, Special Sec. Health and Family welfare
Dr. H. S. Bali, Director, DHS
Dr. Dharmpal, DHS Family welfare (SI)
Mr. Hussan Lal, IAS, Ex-Secretary, Health and Medical Education
Dr. GB Singh, Ex-State Nodal Officer, NPCDCS, In- charge Cancer Control Cell, Punjab

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Dr. A. K. D'Cruz, Director-TMH
Dr. K. S. Sharma, Director -Academics
Mr. Anil Sathe, CAO - TMC
Mrs. Indira Pasupathy, JCFA
Mr. Sukumaran Krishnan Perumpully HR & Admin Coordinator

Advanced Centre for Treatment, Research and Education in Kharghar,Navi Mumbai
Dr. SV Chiplunkar, Director, ACTREC
Dr. HKV Narayan, Dy. Director, ACTREC
Dr. Sudeep Gupta, Dy. Director, CRC- ACTREC
Mr. Umesh Kumar V. Mote - Sr.AO
Mrs. P.K Kamala- Dy. Controller of Accounts

Homi Bhabha Cancer Hospital, Sangrur
Dr .Tapas Dora, Radio-oncologist
Dr. SankalpSancheti, Pathalogist
Dr. Sumit Gupta, Asst. Prof. Head & Neck Surgery
Dr.DebashishChoudhary,Surgical oncologist
Dr. Dimple Kalra, Administrator

Mansa District Administration
Sh. Dharmpal Gupta, IAS, DC
Sh. Gurinder Pal Singh Sahota, IAS, ADC

Civil Hospital, Mansa
Dr. Narinder Kaur, Ex-Civil Surgeon
Dr. Surindar Singh, ACS/DMC, Mansa
Dr. Jagpalinder Singh, SMO, DH-Mansa
Sh. Santosh Kumar Bharti, Dist. Epidemiologist
Dr. Kanwalpreet Brar, MD Pathologist
Dr. Rakesh Sarpal, Nodal officer NPCDCS
Dr. Ranjit singh Rai, Incharge CH -Mansa
Dr. Mohan Singh, SMO-Khiala Kalan
Dr. Ranjit Singh Rai, MO-CH
Dr. Hardeep Sharma, SMO- Bhikhi
Dr. Ravinder Kumar, SMO- Budhlada
Dr. Pushpinder Kumar,Ex- SMO- Budhlada
Dr. Jatinderpal Singh , SMO-Sardulgarh
Dr. Harpal Sran, MO-CH Mansa
Dr. Vivek Kumar, MO-Jhunir
Sh. Tejinder Pal, FLO, CH-Mansa
Sh. Darshan Singh, BEE-Khialakalan
Sh. Krishan Kumar, BEE-Budhlada
Sh. Kewal Singh, BEE-Sardulgarh
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Sh. Avinash Chugh, Data Entry Operator
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Dr. Ranjana W. Minz, Professor & Head

Department of Histopathology
Dr. R. K. Vasishta, Professor & Head

Department of Hospital Administration
Dr. A. K. Gupta,
Medical Superintendent-cum-Professor & Head

Department of Radio Diagnosis & Imaging
Dr. N. Khandelwal, Professor & Head

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Dr. Kathirvel S, Sr. Resident

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Department of Community Medicine, School of Public Health
Dr. M. A. Bashar

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Dr. Raja Banipal, Prof & Head Radiotherapy
Dr. J. P. Sing, Deputy Medical Superintendent
Sh. Rajeev Grover, Medical College Superintendent
Sh. Padampal Maini, Medical Record Officer
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Sh. Jagtar Singh, Data Entry Operator
Sh. Sikander Kumar, Data Entry Operator

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Prof. (Dr.) Darshan Singh Sidhu, Registrar

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Dr. RajindraDevgan, MBB S MD
Dr. Ramesh K. Kundal MD
Mrs .Sudarshan SLT
Mrs . Anisshain LT
Sh. Malwinder Singh,Chief Pharmacist
Miss. Alisha Pharmacist
Sh. Pawan kumar, Data Entry Operator

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Sh. Barinder Singh,Sr. Medical Record Technician

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Dr. Gurenderjit Singh, Medical Superintendent
Dr. Pradeep kapur, Sr. Consultant Head & chest
Sh. Sohan Singh Negi, Clerk

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

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

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Dr. Avijeet Singh, Director
Dr. Deepak Saini, Medical Record Department In-charge

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Dr. Gaurav Bindal, AMS

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Dr. A.K. Janmeja, Medical Superintendent

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Dr. Vandana Gupta, Medical Superintendent

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Sh. Pawan kumar, Sr. Medical Record Officer

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

Sri Guru Ramdas Institute of Medical Sciences& Research, Amritsar
Dr. Geeta Sharma, Principal
Dr. B.C. Srin, Medical Superintendent

Life Line Care Hospital/Aadhar Health Institute Hisar
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Dr. Amit Dhaman,
Medical Superintendent, Admin Dept.

Max Super specialty Hospital, SAS Nagar
Dr. Sandeep Dogra, General Manager

Shah SatnamJi Speciality Hospital, Sirsa
Dr. M. P. Singh, CMO

Pt. Bhagwat DayalSharma , PGIMS, Rohtak
Dr. Rakesh Gupta, Director
Dr. V. K. Jain, Sr. Prof & Head
Dr. R. K. Yadhav, Sr. Prof & Head Radiology
Dr. S.S. Lochab,
Dr. Vivek Kaushal, Sr. Prof & Head Surgery
Dr. Rajeev Sen, Sr. Prof. & Head Pathology

Adesh Charitable Cancer Hospital, Muktsar
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Dr. Harinder Singh Gill, Management Head

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Dr. Akash Deep, MD Medicine

Amar Hospital, Patiala
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Dr. Jaskarn Singh Sra, DMS

Amrit Nursing Home, Mansa
Dr. Amrit Paul Goyal, MD Medicine

Ankush Computerized Lab. Mansa
Mr. Ankush, Chief of Lab

Ashish Medical Center, Mansa
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Dr.William Bhatti Medical Superintendent
Dr. Valsa Abraham Dy. Medical Superintendent
Dr.Preethi AM Paul Histopathology Dept
Dr.Amrith Mathew Haematology
Mr.Stiffan Medical Record Dept

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Dr. Vandana, MD Oncologist, Bathinda

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Sh. Deepak Bansal, BDO Clerk

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Dr. Janak Raj Singla, M. B.B. S. M .D . (Medicine)

Jindal Nursing Home, Mansa
Dr. Raj Kumar Jindal, M. S. (General Surgery)

Raikhy Nursing Home, Mansa
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Dr. Puneet Raikhy, MD Skin

Sodhi Scan Centre Hospital, Sangrur
Dr. Jasbir Kaur Sodhi, Radiologist

Sran Hospital, Mansa
Dr. Harpal Singh Sran, MD

Dhillon Hospital, Bathinda
Dr. Daljit Singh Dhillon, ENT Specialist

Dr. Mohar Singh Hospital, Sirsa
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Mr. Hardeep Singh, Data Entry Operator

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Deepali Path Lab & Cancer Diagnostic Centre, Bathinda
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Dr. Lal Path Lab, Patiala
Dr. Jatin Kharbanda, Chief of Laboratory

Dr. Dinesh Path Lab, Patiala
Dr. Dinesh Ahluwalia, MD Pathologist

Mittal Hormone Path Lab, Bathinda
Dr. Anita Mittal, MD Pathologist

Paul Lab Mansa
Dr. A. P. Bansal, MD Pathologist

Poonam Path Lab, Sangrur
Dr. Poonam, MD Pathologist

Star Path Lab, Patiala
Dr. Mrs. Kanu Goel, MD Pathologist

Dr. Verma Path Lab, Sirsa
Dr. ShubhashVerma, Chairman & M.D.

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Sheena Path Lab, Bathinda
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Ashok Clinical Lab, Patiala
Dr. Ashok Kumar, MD Path

Citi Diagnostic Center, Sirsa
Dr. Sanjeev Kaushal, Chief of Lab

Sant Nirankari Charitable Foundation, Mansa
Sh. Ravi Kumar, Incharge
Dr. Rajinder Singh

Municipal Corporate office, Mansa
Sh. Balwinder Singh, MC Pradhan

Rotary Club Main
Dr. Vijay Singla, President

Environmental Society
Sh. Ashok Safolia, Chairman

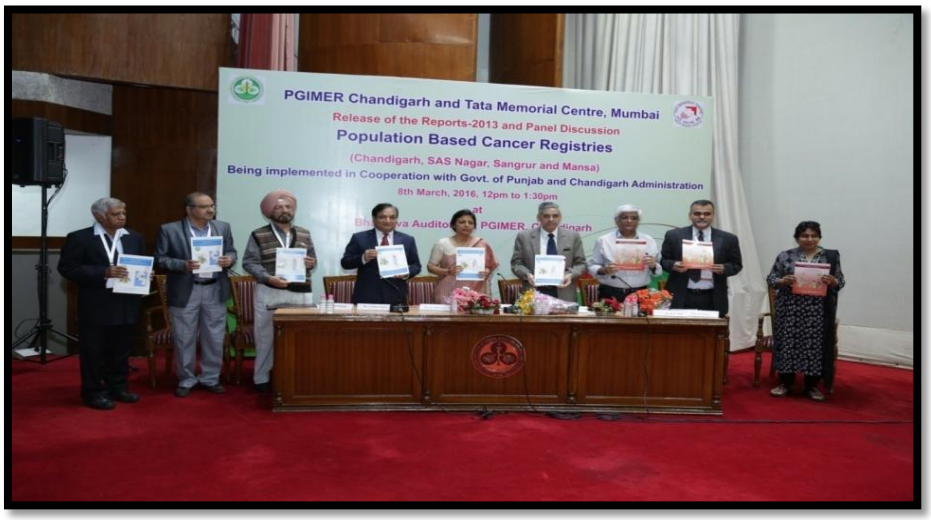
Zila Shikayat Nivaran Committee
Sh. Sanjeev Singla, Member

International Institute for Population Science, Mumbai
Dr. Murali Dhar
Jang Bahadur Prasad, PhD (Research Scholar)

Annexure

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

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



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

Additional Activities of the Cancer Registry, Sangrur

Cause of Death Study in Mansa district

The Mansa Population-Based Cancer Registry in collaboration with CGHR Canada has conducted a study in 23 villages covering a population of 54,936 people to know the cause of death in Mansa district.

Objective of the Study

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

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

Work Carried Out

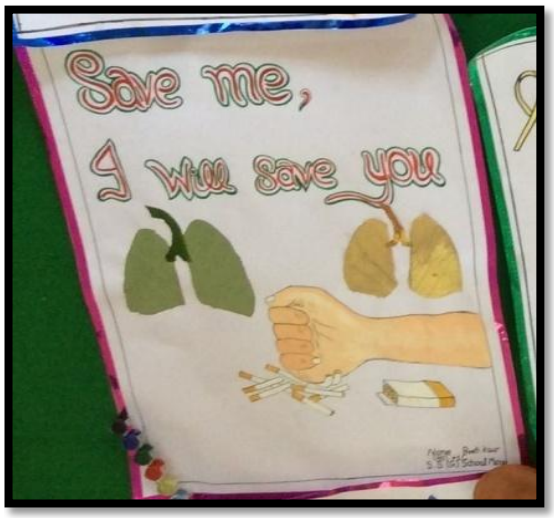
In this study, we have covered 23 villages. A house-to-house survey was done in these villages and we have interviewed 1,645of the deaths' relatives to know the cause of death through verbal autopsy as well by a computer programme, which was available on a laptop.

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

Cancer Awareness Programme

The cancer registry has organized the Cancer Awareness Programme and a drawing competition on cancer and its effect on health. In this programme, approximately 150 girls ages 14 to 16 participated. This activity was helpful in raising cancer awareness about breast, cervical, mouth, and oesophagus cancer.

Cancer awareness poster prepared by the students during the Cancer Awareness Programme.



Tata Memorial Centre, Mumbai

Centre for Cancer Epidemiology, ACREC, Kharghar, Navi Mumbai

Homi Bhabha Cancer Hospital, Sangrur, Punjab

"Cancer is curable if detected early"