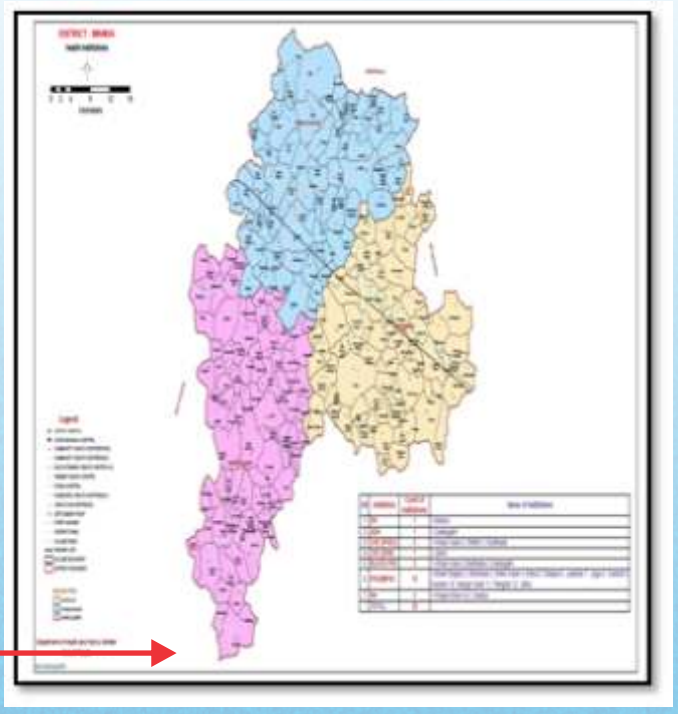
Cancer Incidence and Mortality in Mansa District, Punjab State, India: 2013

First Annual Report of the Population Based Cancer Registry

Punjab State, India



Mansa District, Punjab state

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Post Graduate Institute of Medical Education and Research, Chandigarh, India
Department of Health and Family Welfare, Government of Punjab state, India
Civil Hospital, Mansa District, Punjab State, India

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Background

Tata Memorial Centre, Mumbai an autonomous institute, under the department of atomic energy, Government of India has started the population based cancer registry in Mansa District on 1st April 2013 in collaboration with Post Graduate Institute of Medical Education and Research, Chandigarh and Department of Health and Family Welfare, Government of Punjab. The registry is located in Civil Hospital Campus of the Mansa. The objective of the cancer registry is to measure the cancer burden in terms of incidence and mortality and to know the patterns of cancer in the district. The cancer registry data will be useful in planning the 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 790,003. The registry covers the urban area of the district as well rural area (242 villages of three subdivisions). More than 75% population of the district is rural.

Registration method

The trained social worker of the registry regularly visits the villages as well to different hospitals, pathology laboratories, medical colleges, cancer center, birth and death register office to collect the cancer incidence and death cases. The Registry Staff interact with village Sarpanch, ANM, ASHA worker, Primary Health Center staff periodically to get to know the cancer cases diagnosed in the area as well cancer death occurred in the village. With the help of ASHA worker, the registry staff interacts with the patient / patients relative and note down the information available with the patient. This information was further confirmed at the treating hospital. After residence confirmation (Residence of at least one year in the district) & duplicate checking by senior staff, case is registered in prescribed format. The data entry is carried out in Canreg5 software. Due to continued interacting with the community, we update the survival status of cancer patients. As of 1st June 2015, we have survival status of more than 90% cancer patients. This information will be utilized for the cancer survival analysis.

The comprehensive cancer treatment facility is not available in Mansa district. Patient from this area travel to Bhatinda, Ludhiana, Bikaner, Chandigarh, Patiala and Faridkot. The nearest center is 60 Kms and farthest centre is 360 kms. Tata Memorial Centre has started the Homi Bhabha Cancer Hospital in the Sangrur district, which is 60 kms from Mansa and it is functioning from January 2015.

Results

In the year 2013, the cancer registry has registered 403 cancer cases. In males we have 187 cases and 216 female cases. The age adjusted incidence rate for males 45.3 per 100000 and for females 55.8 per 100000 population. The cumulative risk for the age group 0-74 in males is 5% (1 in 20 men is at risk of getting cancer) and in females it is 6% i.e. (1 in 16 females is at risk of getting cancer).

In the year 2013, the cancer registry has registered 233 cancer deaths. In males we have registered 112 deaths and 121 in females. The age adjusted mortality rate for males 27.4 per 100,000 and for females it is 30.5 per 100,000 population.

Leading Cancer sites

In males Oesophagus, Mouth, Lymphoid Leukemia, Larynx and Myeloid leukemia are the leading cancer sites. In females Cervix Uteri, Breast, Oesophagus, Ovary, and Gall Bladder are the leading cancer sites. Leading cancer sites are mentioned in Table I and II.

Table I : Leading Cancer Sites in Males

ICD 10	Sites	Number	CR	AAR	TR
C15	Oesophagus	28	6.7	6.8	12.5
C03-06	Mouth	10	2.4	2.4	6.6
C91	Lymphoid Leukemia	8	1.9	2.3	0.8
C32	Larynx	8	1.9	1.9	3.3
C92-C94	Myeloid Leukemia	8	1.9	1.9	1.5

Table II : Leading Cancer Sites in Females

ICD 10	Sites	Number	CR	AAR	TR
C53	Cervix Uteri	48	12.9	12.3	32.3
C50	Breast	40	10.8	10.5	27.7
C15	Oesophagus	24	6.5	6.2	13.9
C56	Ovary	18	4.9	4.9	12.9
C23-C24	Gall Bladder	6	1.6	1.7	3.8

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 first year, we have noted 15% primary unknown in males and 8% in females. More the primary site unknown cases are clearly related to the quality of diagnostic information as well the poor documentation of the medical records. There may be under registration/ under diagnosis of the cancer incidence and mortality cases. We may have missed the clinically diagnosed cases as well the internal organ cancer cases and pediatric cancer cases. We feel under registration will be in the range of 10% to 15%. Mainly the under registration will be more in urban area as it was difficult to cover the urban area with the help of community leaders. Due to continued interaction in the villages the chances of under registration are less while the chances of under diagnosis will be more. For the completeness of the cancer registration, registry has planned house to house survey in the coming years. The quality control exercise was carried out, the results of the quality control are satisfactory.

Comparison of cancer registry rate with other registries in India

As compared to other part of the India, cancer Incidence rates are lower and are in comparison with other parts of rural India.

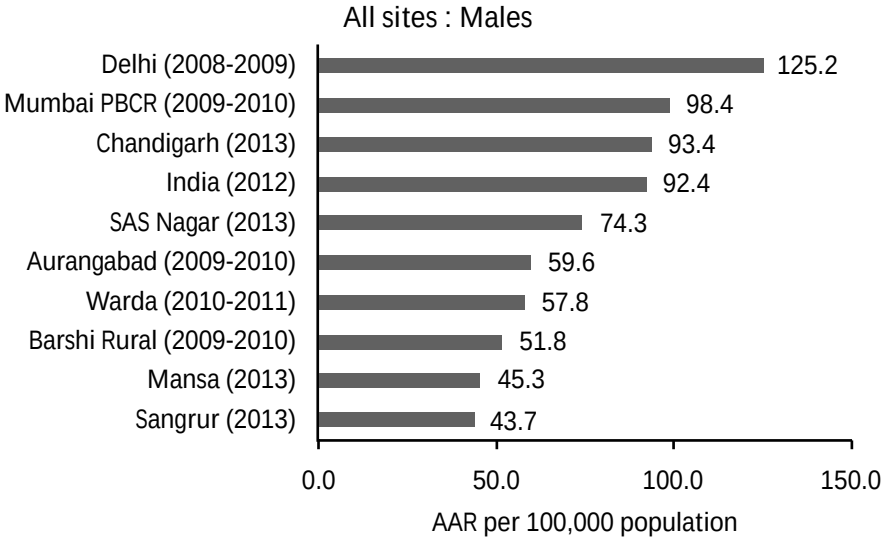


Figure I : All site cancer incidence rate - Males

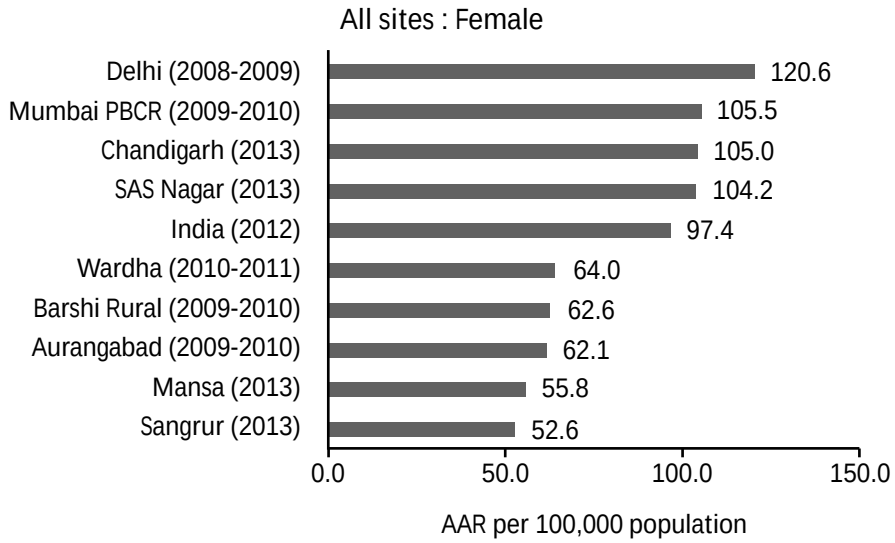


Figure II : All site cancer incidence rate - Females

Cancer Control in Mansa District:

Cancer registries are the first step in cancer control. The registry data has estimated the risk of getting cancer in males is 5% and in female 6%. The major cancers in Mansa district are Cervix Uteri, Breast, Oesophagus and mouth. Most of the cancers are preventable. Based on the observation from the registry, Tata Memorial Centre has started satellite centre in Sangrur and will establish comprehensive cancer centre in SAS Nagar. In additon PGIMER is also starting 500 bedded multispecialty hospital in Sangrur besides the facilities offered at Regional Cancer Centre, PGIMER, Chandigarh.Cancer awareness programme needed particularly for early detection of Breast and Cervical cancer. The registries will useful in future to monitor cancer trends and evaluate the effects of prevention and treatment.

1. Punjab State Profile

Punjab is situated in the 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]. Punjab's capital is Chandigarh, which is administered separately as a Union Territory since it is also the capital of neighboring Haryana.

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

The state is spread over an area of about 50362 sq. km. making it the 19th largest state in the country in terms of area. The state has a growth rate of about 13%, which is below the national average of 17%. The population of the state is rising considerably due to rapid efforts towards development and progress. The literacy rate in the state is about 76.7% a figure that has improved tremendously in the last few years due to the consistent efforts of the government. The sex ratio in Punjab leaves a lot to be desired as it lags behind the national average by a lot of points. The Punjab state profile is presented in Table 1 (Reference: Government of Punjab Website)[2].

Table 1: State Profile of Punjab, India

Sr.No.	Characteristics	Unit	Value
1.	Area	Sq. Km	50362
	(i) Rural-Area		48265
	(ii) Urban Area		2097
2.	Tehsils	Number	81
3.	Total Population (Census 2011)	Lakh	277.04
	(i) Urban population (%)		103.8 (37.5 %)
	(ii) Rural population (%)		173.2 (62.5 %)
4.	Density	per sq. km	550
5.	Female per 1000 Male	Number	893
6.	Literacy rate	%	76.7

2. Mansa District Profile

Mansa district was formed on 13th April 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 Bhatinda – Jind - Delhi sections and also situated on Barnala – Sardulgarh - Sirsa Road. The Mansa district is situated in the cotton belt of Punjab and 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 2001 census amounting to 2.9% of the total population of Punjab. In Mansa District, River Ghaghar flows through a distance of 15 Kms 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 / tehsils and five blocks. (Reference: Mansa district website)[3]. The Mansa district subdivision and number of villages are presented in Table 2. The location of Mansa district is presented in Figure 1.

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

Table 2: Subdivision / Tehsil under Mansa District

Tehsil	Number of Villages	Block
Mansa	71	1. Mansa 2. Bhikhi
Budhlada	83	1. Budhlada
Sardulgarh	88	1. Sardulgarh 2. Jhunir
Total	242	

Health infrastructure of Mansa District

Mansa district is having one district hospital, two sub district hospital with basic diagnostic and surgical facilities. The district is having 37 Subsidiary Health Centre, 3 block primary health centers, 12 mini primary health centers, 2 rural hospitals and more than 103 Sub centres. The primary health care is taken by these hospitals. The Mansa district hospital provides supportive services to the cancer cases. The detail information about the hospital and PHC is presented in Table 3.

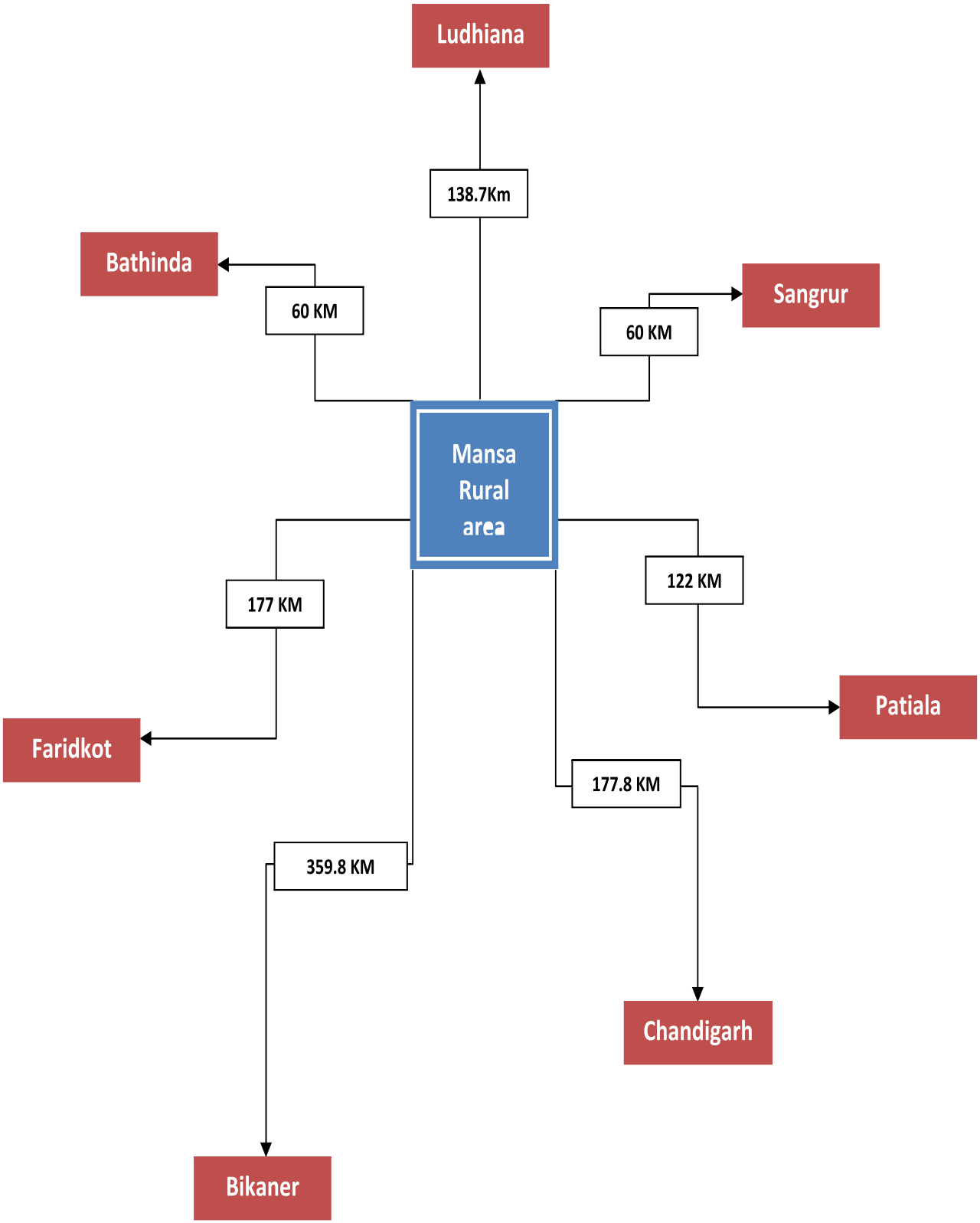
Table 3: Major Health Facilities in Mansa District

S.N	Institution	Number
1.	District Hospital (DH)	1
2.	Sub District Hospital (SDH)	2
3.	Community Health Centre (CHC)	4
4.	Block Primary Health Centre (PHC)	3
5.	Mini Primary Health Centre (MPHC)	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 the cancer treatment patient from theses area goes to the Bhatinda, Faridkot, Ludhiana, Chandigarh, and New Delhi and also at the Bikaner, Rajasthan state. The nearest center is Bhatinda (60 KMs) and the farthest is Bikaner (360 kms). The distance from Mansa to different cancer treatment centre is shown in Figure 2.

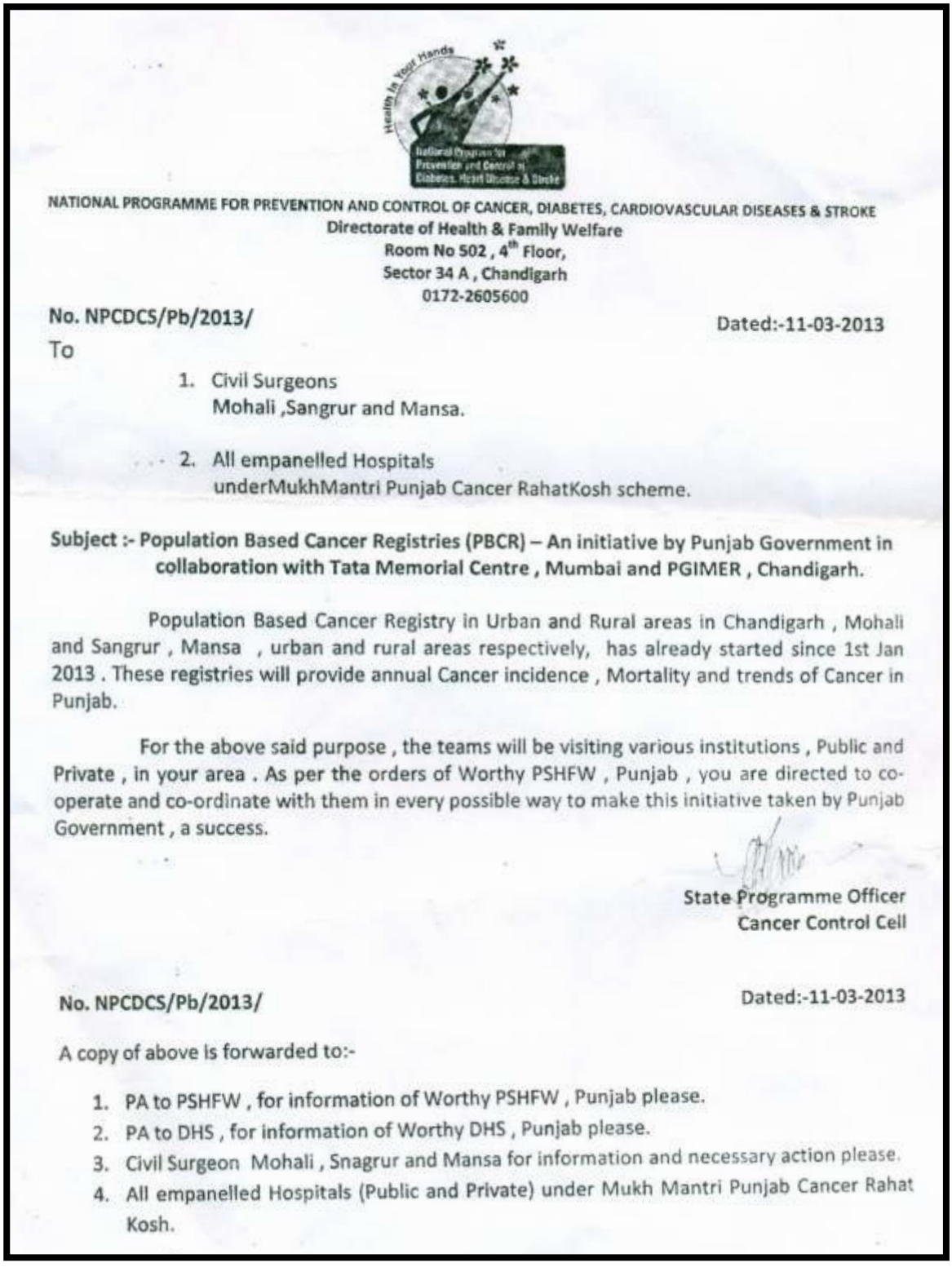
Tata Memorial Centre, Mumbai – an autonomous unit of the Department of Atomic Energy, Government of India with the support of Government of Punjab has started the Homi Bhabha Cancer Hospital in Sangrur district (HBCH). The hospital has started functioning from January 2015. The HBCH is having the surgical, radiotherapy and medical oncology facilities. Till today more than 1000 cancer patients were treated. The hospital is listed in the Government Sponsor scheme "Mukhmantri Punjab Cancer RahatKosh Scheme" 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 Government of Punjab – State Programme Officer – Cancer Control cell has issued the administrative order to all the hospitals in the state which are empaneled under Mukhmantri Punjab Cancer Rahat Kosh Scheme to provide the data of the cancer patient 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 this division are further divided into five blocks (Mansa (Mansa and Bhiki), Budhlada, Sardulgarh (Sardulgarh and Jhunir). As per 2011 census the total population of Mansa district 769,751. Of the total population, 606147 (78.7%) is rural and 174234 (22.3%) 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%)

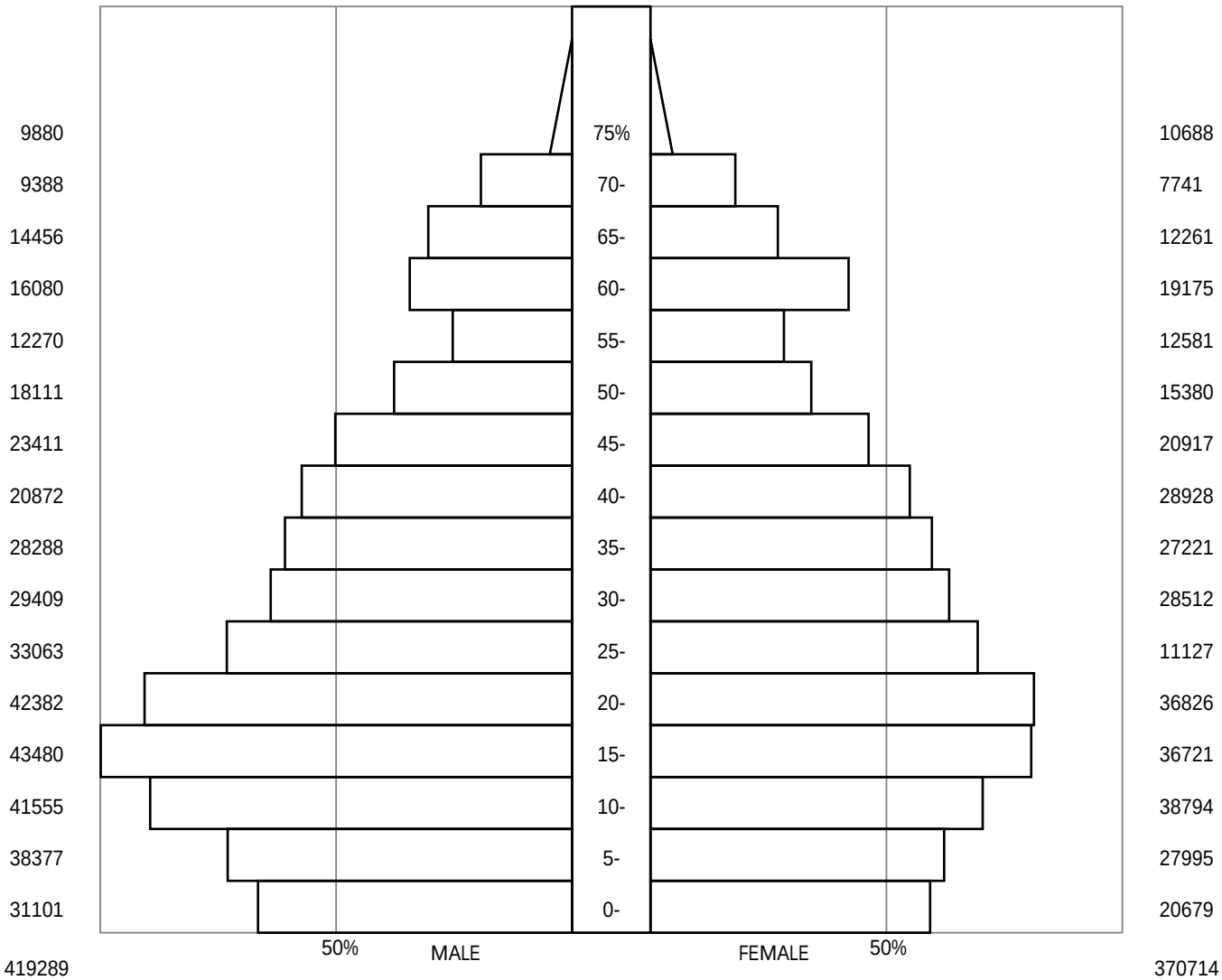
Estimated Population of Mansa District - 2013

The registry population for 2013 was estimated by the exponential growth rate metod using the growth rate for 2001 to 2011 census population. As per 2013, there are 419,289 males and 370,714 females. More than 75% population is rural and depends on agriculture related activities. The estimated population of 2013 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 2013

Age-group	Male	%	Female	%	Total
0_4	31101	7.4	26679	7.2	57780
5_9	34377	8.2	27995	7.6	62372
10_14	41555	9.9	31794	8.6	73349
15_19	47430	11.3	36721	9.9	84151
20_24	42382	10.1	36826	9.9	79208
25_29	33963	8.1	31327	8.5	65290
30_34	29809	7.1	28512	7.7	58321
35_39	28288	6.7	27221	7.3	55509
40_44	26872	6.4	24928	6.7	51800
45_49	23411	5.6	20917	5.6	44328
50_54	18111	4.3	15346	4.1	33457
55_59	12270	2.9	12581	3.4	24851
60_64	16046	3.8	19175	5.2	35221
65_69	14486	3.5	12261	3.3	26747
70_74	9348	2.2	7743	2.1	17091
75+	9840	2.3	10688	2.9	20528
Total	419289	100	370714	100	790003

Figure 3: Population pyramid of Mansa district as on 1st July 2013



5. Cancer Registration Method

Cancer Incidence Cases

Trained social worker and field staff of the registry visits 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 interacts with village sarpanch, Auxiliary Nurse Midwife (ANM), anganwadi workers, ASHA workers and from medical officer of the primary health centre to get to know the cancer cases diagnosed in the village/ any cancer death occurred in the villages. The social worker takes the detail information of the cancer case and visits the patient's house along with the ASHA workers. The field staff interacts with the patient/ patient's relative and asks the questions.

- When was the patient diagnosed as a cancer?
- Whether the patient is having the case file number of the treating hospital?
- Where the patient does have any discharge report, biopsy report and 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/patients, relative, the field staff interacts with the treating cancer center and collects the clinical details and register the cancer case in the prescribed proforma. If we do not get access to the medical records of the patient, we register the cases based on the information provided by the patient's relative.

In the second visit, field staff update the status of the cancer cases. He also identifies there, any new cancer case/death in the villages and repeat the same procedure mentioned above. This is a continuous process during village visits.

Cancer Death Cases

During the village visit, the social worker enquired about the cancer death happened in the village. They also collect the death cases information from the village birth and death registrar office. As like the cancer incidence cases, the field staff interacts with the patient's relative and inquires about the deaths happened. Based on the information provided by the relatives and by matching with the medical records available in the cancer registry, the cancer death has been registered.

Cancer Prevalence Cases

During the field visit field staff comes across the cases diagnosed before 2013. The field staff takes the detail information of the cancer case from the patient's relative and maintains 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 has been registered.

Data Checking

All the cases collected by field from the villages as well from the hospital were scrutinized by the senior staff member. After residence conformation (residence of the area at least for one year) the cancer case information has been documented in the prescribed format. The primary site and histology has been coded by International Classification of Diseases for Oncology - Third edition : WHO, Geneva 2000 (ICD-03 [7]).

Data Entry

The data entry was carried out in the CanReg5 software developed by the International Agency for Research on Cancer, Lyon, France [6].

After duplicate checking and other quality measures the cancer incidence and death cases has been registered.

The cancer registration process of the registry is presented in Figure 4.

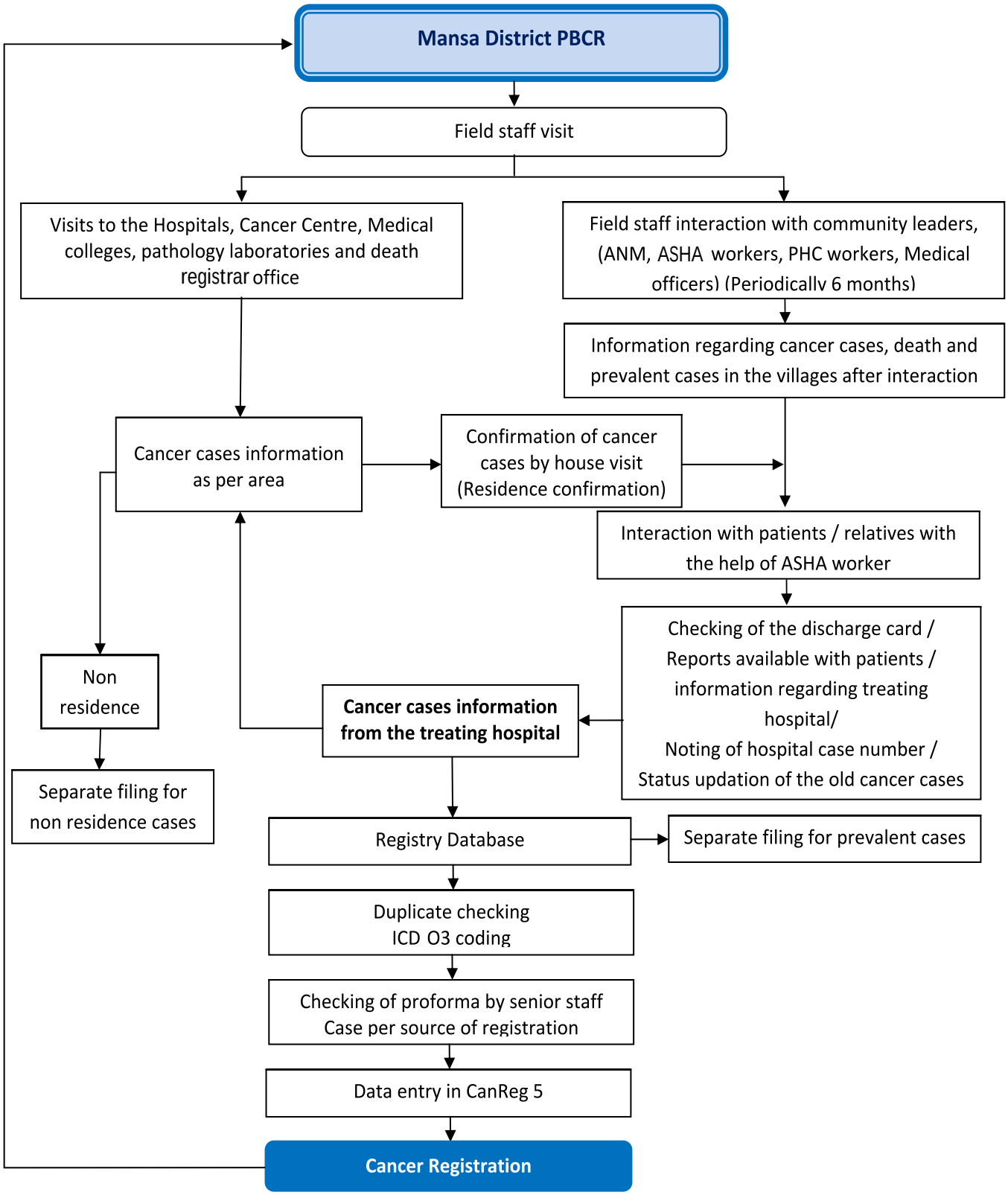
Cancer Cases Data Collection from Different Hospitals, Nursing Centers

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

Table 6 : Different sources of data collection

Sr.No.	Institution Name	Page
1	CH Cancer 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	Chandigarh Path Lab	Mansa
15	Ankush Path lab	Mansa
16	Paul Path lab	Mansa
17	Satyam Diagnosis Center	Mansa
18	Post Graduate Institute of Medical Education and Research/PBCR Chandigarh	Chandigarh
19	Mohandai Oswal Cancer Hospital	Ludhiana
20	Dayanand Medical College	Ludhiana
21	Global Hospital	Ludhiana
22	Christian Medical College	Ludhiana
23	Rajindra Hospital / Government Medical colloge	Patiala
24	Dr. Dinesh Path Lab	Patiala
25	Ashok Clinic Lab	Patiala
26	Dr. Lal Path lab	Patiala
27	CH Cancer Cell	Bathinda
28	Dhillon Hospital	Bathinda
29	Max Hospital	Bathinda
30	Punjab Cancer Care	Bathinda
31	Monika Path lab	Bathinda
32	SRL Diagnostic Center	Bathinda
33	Omega Diagnostic Center	Bathinda
34	Sheena Path lab	Bathinda
35	Guru Gobind Singh Medical college & Hospital	Faridkot
36	Acharya Tulsi das Regional Cancer Center Research & hospital	Bikaner
37	Pt. B.D. Sharma PGIMS	Rohtak
38	Shiromani Gurudwara Prabhantak committee (SGPC)	Amritsar
39	Birth & Death Registrar	Mansa
40	Birth & Death Registrar	Sardulgarh
41	Birth & Death Registrar	Budhlada
42	Birth & Death Registrar	Bathinda

Figure 4: Cancer Registration Method



6. Community involvement in the cancer registration process

The cancer patient from this area travels from 60 kms to 360 kms for the cancer treatment. It is practically difficult for the registry staff to visit these entire centers regularly. The Punjab Government has conducted 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 about the importance of the disease and cancer registration process. The primary health centre staff, ASHA worker, Anganwadi workers provide their cooperation in giving the information of the newly diagnosed cancer cases/ cancer deaths occurred in the village. The trained field staff from the registry continuously interacts with theses 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 relatives, we have the demographic information such as education, income and religion, etc. Due to regular village visit and interaction with the community, we update the status of the cancer patient 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 visit and interaction with community leaders we are able to get the information of the cancer cases from the villages after contacting patients / their relatives. Registry staff interacted with more than 1400 community members from 242 villages.

Registry staff interacted with community leaders and primary health center staffs 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	Number of Villages	Sarpanch	Senior Medical Officer	Medical Officer (MO)	Block Extension Educator	Auxiliary Nurse Midwife (ANM)	Accredited Social Health Activist	Angan-Wadi Workers	Multi-purpose Health Worker	Total
Khiala Kalan	71	69	1	23	1	42	184	169	6	495
Budhlada	83	83	1	19	1	31	181	173	8	497
Sardulgarh	88	82	1	15	1	47	136	140	5	427
Total	242	234	3	57	3	120	501	482	19	1419

7. Quality Control

Mortality to Incidence ratio

The mortality-incidence or MI ratio is an indicator of the completeness and accuracy of cancer registry data. In the year 2013, 403 incident cancer cases (males-187 and female-216) have been registered by PBCR Mansa. For the same period, 233 cancer deaths have been registered (112 males and 121 females). The overall mortality to incidence ratio is 57.8% (males-59.8% and females-56.1%) which is good and comparable to other rural PBCRs in India

Reabstraction of the cases

We have taken 382 incident cases until December 31, 2013. Quality control exercise was carried out for the improvement of the records and as well as for the capacity building of the staff. An independent medical doctor from PGIMER, Chandigarh has selected 38 cases (randomly 10% of the total cases) for re-abstraction. The overall agreement level was found to be 93.4%. The agreement level for demographic details i.e. name, age, sex and address was found to be 99.3% whereas that for tumour details i.e. date of diagnosis, primary site, histology and behavior was found to be 93.8%. During the quality control exercise it was observed that the staff required retraining in abstraction of cases of unknown primary sites, metastatic cases and lymphoma-leukemia cases. Based on this finding, the staff was retrained at TMC/PGIMER Chandigarh. The error observed was corrected and data was modified (Reference 12).

Incidence rates of Childhood cancers

In the year 2013, we have registered 7 cases in boys and 2 cases in girls. The Age Specific Rates reported for the pediatric cancer is very low. We may have missed the pediatric cancer cases. The age specific incidence rate by sex is mentioned below in table 8.

Table 8 : Incidence rate of Pediatric Cancer cases in Mansa district: 2013

Age	Boys		Girls	
	Number of Cases	Age specific Rate	Number of cases	Age specific Rate
0_4	4	12.9	0	0.0
5_9	1	2.9	0	0.0
10_14	2	4.8	2	6.3

Microscopic verification of the cases

In the year 2013, out of 187 male cases, 160 cases (85.6%) were diagnosed on microscopic verification. 4.3% cases were diagnosed on the basis of radiological findings. Most of the other and unspecified cases were diagnosed on the radiology (eg. Lymph Node, Primary site unknown cases). In Females, out of 216 cases we have 197 cases (91%) diagnosed on microscopic verification. Around 1.4% cases were diagnosed on radiological findings.

Death Certificate Only (DCO cases)

We have registered 18 (9.6%) cases in males and 15 (6.9%) females cases under DCO/Other category. The death cases have been registered based on the narration /relative remarks/ discharge summary available with the patient's relative. In principle they are not registered based on death certificate only. As this is the first year of the cancer registry, the DCO cases noted were less than 10%.

Per source case registration

We have also seen the number of sources per incident case registered . The cases were counted as per source notification. In Mansa, the average number of source per case registrated is 1.8. The coverage of the sources by the registry is very good [12].

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

The first information of the cancer cases diagnosed/ cancer death is from the village visit due to interaction with the community. After documentation, these cases are further confirmed from the hospital records. More than 70% cases first source of information is from the village visit. 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/ Home Visit	133	71.1	153	70.8	286	71.0
2.	Guru Gobind Singh Medical College & Hospital Faridkot	20	10.7	26	12.0	46	11.4
3.	Post Graduate Institute of Medical Education & Research, Chandigarh	14	7.5	15	6.9	29	7.2
4.	Acharya Tulsi Regional Cancer Treatment & Research Institute, Bikaner	6	3.2	6	2.8	12	3.0
5.	Rajindra Hospital, Patiala	3	1.6	6	2.8	9	2.2
6.	Birth & Death, Dist. Mansa	3	1.6	4	1.9	7	1.7
7.	Max Super speciality Hospital, Bhatinda	4	2.1	1	0.5	5	1.2
8.	Mohandai Oswal Hospital, Ludhiana	0	0.0	2	0.9	2	0.5
9.	Civil Hospital Mansa	2	1.1	0	0.0	2	0.5
10.	Government Medical College and Hospital, Chandigarh	1	0.5	1	0.5	2	0.5
11.	Dayanad Medical College & Hospital, Ludhiana	0	0.0	1	0.5	1	0.2
12.	Punjab Cancer Care Hospital, Bhatinda	1	0.5	0	0.0	1	0.2
13.	Monika Path Lab, Bhatinda	0	0.0	1	0.5	1	0.2
	Total	187	100	216	100	403	100

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

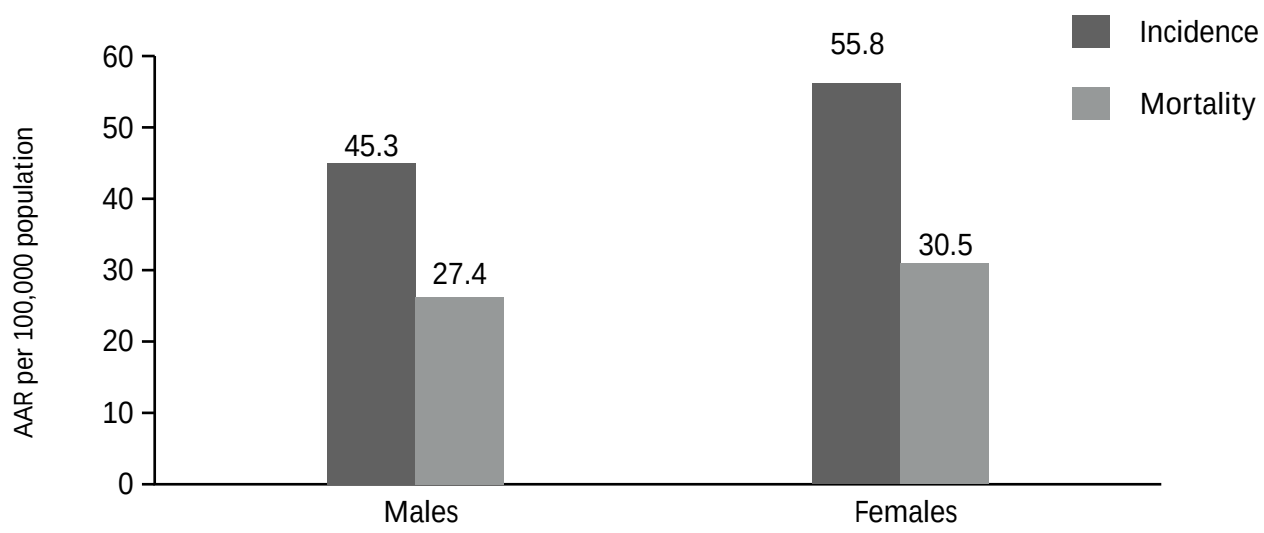
Sr. No.	Source of registration	Male	%	Female	%	Total	%
1.	Village Visit/ Home Visit	92	82.1	104	86.0	196	84.1
2.	Birth & Death, Dist. Mansa	5	4.6	5	4.1	10	4.3
3.	Post Graduate Institute of Medical Education & Research, Chandigarh	4	3.7	7	5.8	11	4.7
4.	Guru Gobind Singh Medical college & Hospital Faridkot	7	6.4	3	2.5	10	4.3
5.	Acharya Tulsi Regional Cancer Treatment & Research Institute, Bikaner	2	1.8	1	0.8	3	1.3
6.	Rajindra Hospital, Patiala	1	0.9	0	0.0	1	0.4
7.	Mohandai Oswal Hospital, Ludhiana	0	0.0	1	0.8	1	0.4
8.	Dr. Monika Path Lab., Bathinda	1	0.9	0	0.0	1	0.4
	Total	112	100	121	100	233	100

8. Cancer incidence and mortality – all sites

In the year 2013, the cancer registry has registered 403 cancer cases. In males, we have 187 cases and 216 cases in female. The age adjusted incidence rate for males 45.3 per 100000 and for females 55.8 per 100,000 population.

In the year 2013, the cancer registry has registered 233 cancer deaths. In males we have registered 112 deaths and in females 121 deaths. The age adjusted mortality rate for males 27.4 per 100000 and for females it is 30.5 per 100000 population. The cancer incidence and mortality rates for all sites in males and females are presented in Figure 5.

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



9. Leading Cancer Sites

In males, Oesophagus, Mouth, Lymphoid and Myeloid leukemia, Larynx, Brain and Lung are the leading cancer sites. The top ten leading cancer sites rates are presented in Figure 6. In females Cervix Uteri, Breast, Oesophagus, Ovary and Gall Bladder are the leading cancer sites. The top ten 10 leading cancer sites are presented in Figure 7. The figures are presented in the graphical presentation.

Figure 6: Leading cancer sites in Males (Figures in parenthesis indicate the percentage)

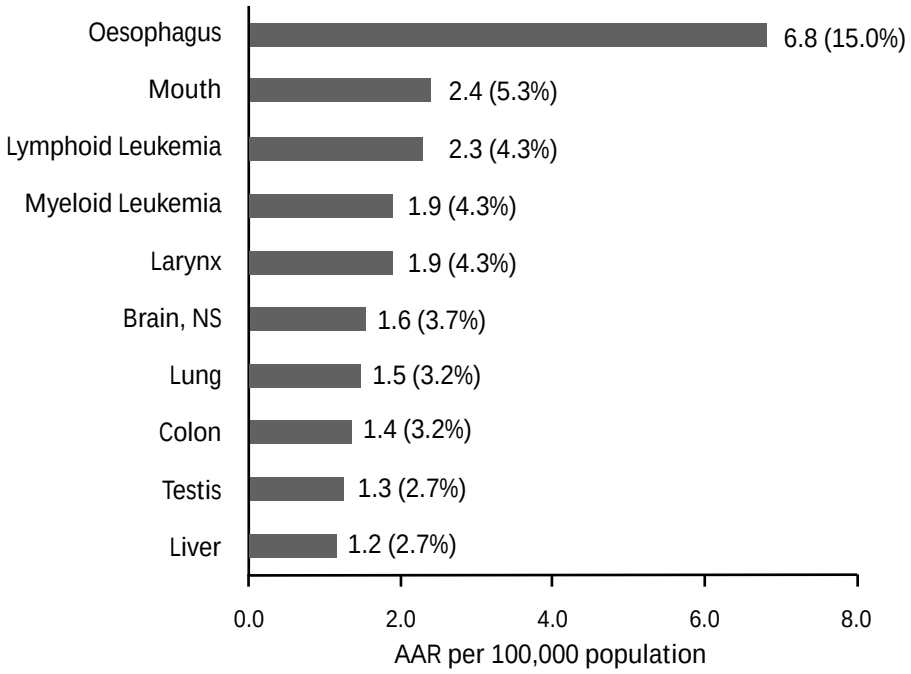
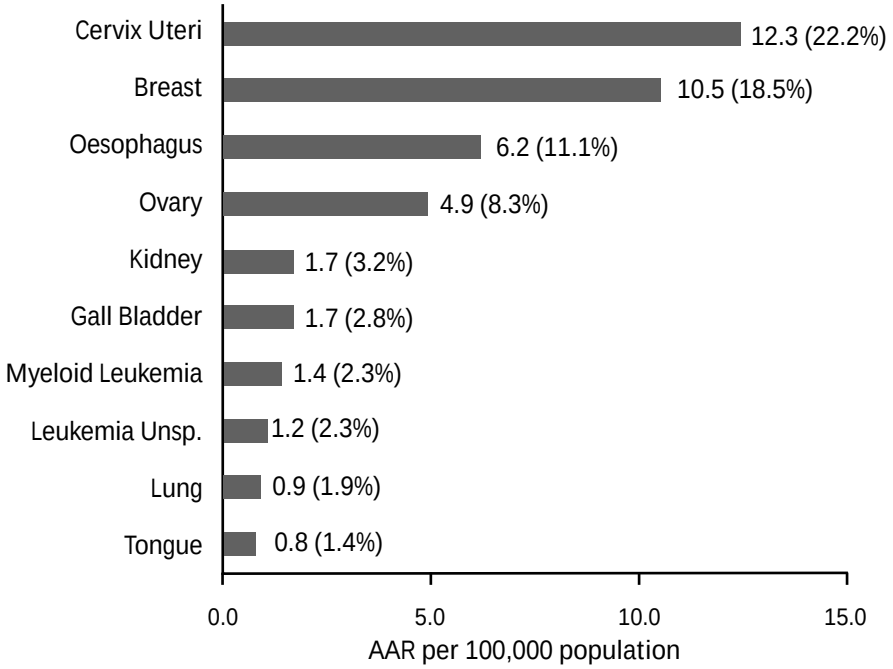


Figure 7 : Leading cancer sites in Female (Figures in parenthesis indicate the percentage)



Cancer of Oesophagus (C15)

	Male	Female
Number of cases	28	24
% to total cases	15.0	11.1
Crude incidence rate per 100,000	6.7	6.5
Age adjusted incidence rate per 100,000	6.8	6.2
Truncated rate per 100,000	12.5	13.9

Figure 8 : Age specific incidence rate of Ca Oesophagus (C15)

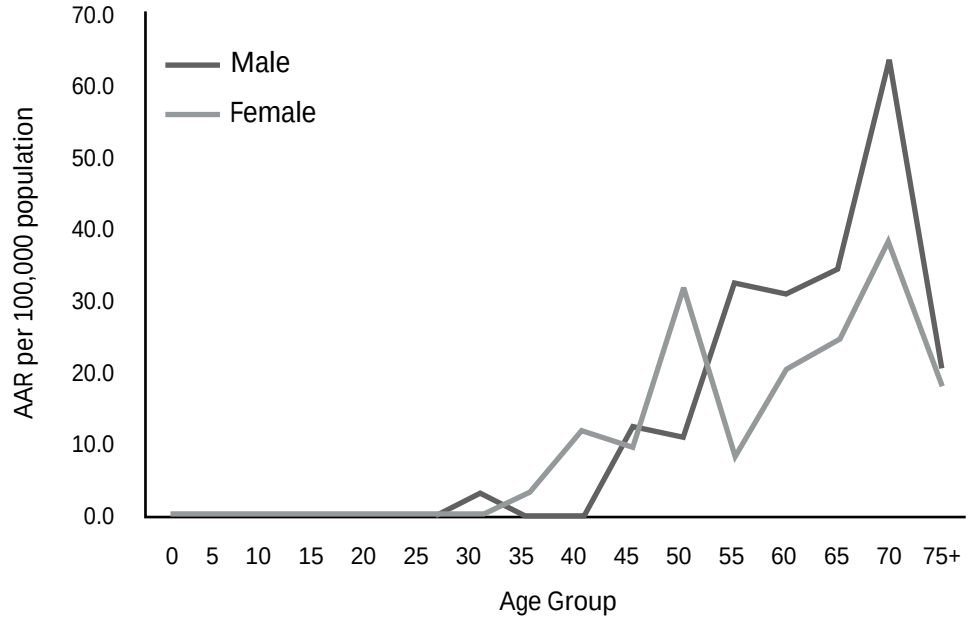
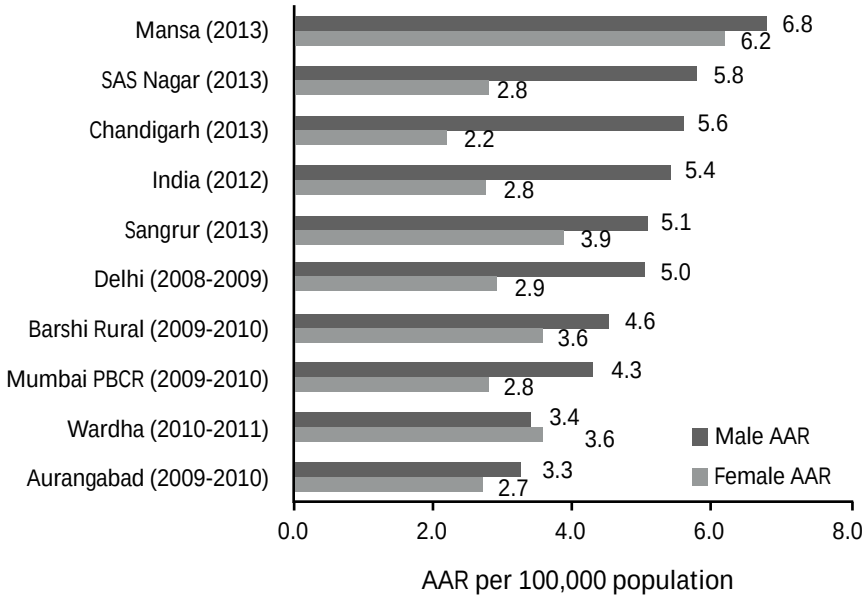


Figure 9 : Comparison of oesophagus cancer incidence rate with other Indian registries



Cancer of Mouth (C03 – C06): Male

Number of cases	10
% to total cases	5.3
Crude incidence rate per 100,000	2.4
Age adjusted incidence rate per 100,000	2.4
Truncated rate per 100,000	6.6

Figure 10 : Age specific incidence rate of Ca Mouth (C03 – C06)

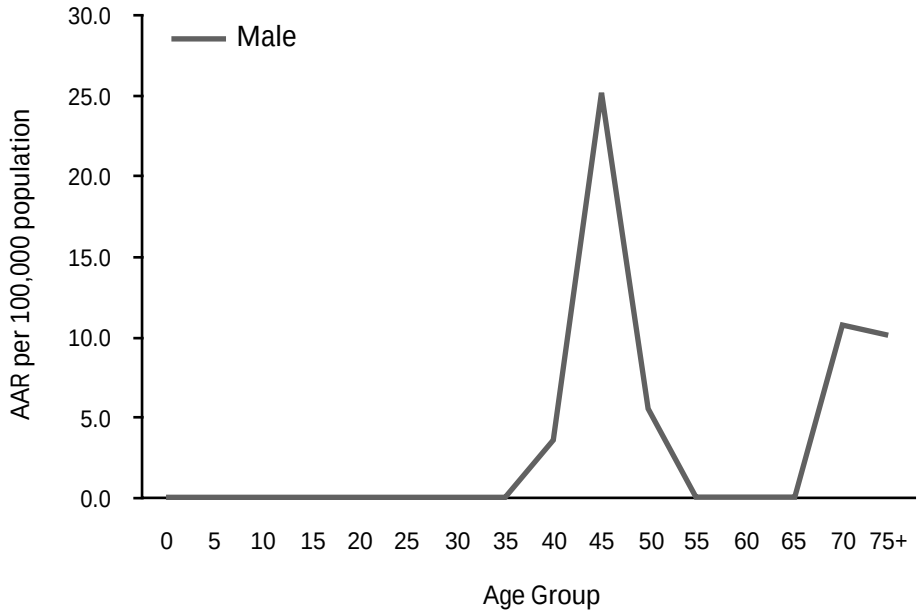
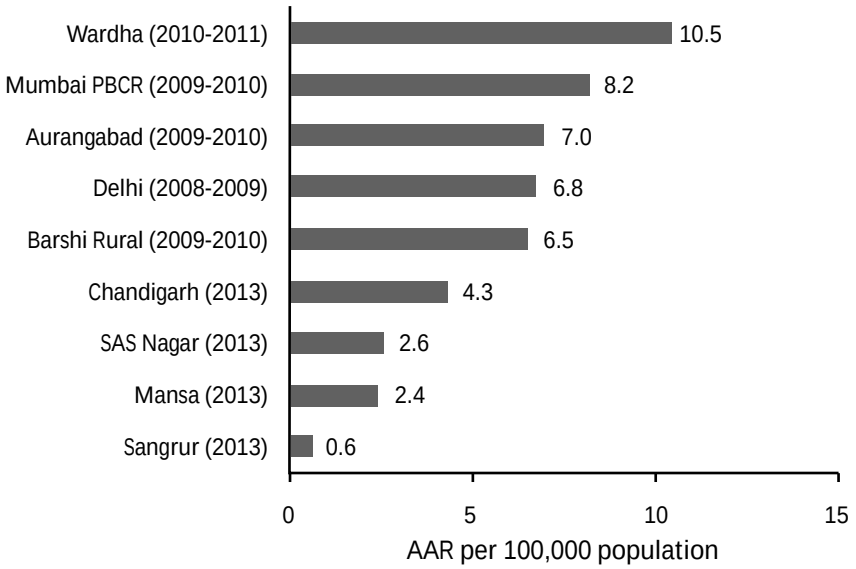


Figure 11 : Comparison of mouth cancer incidence rate with other Indian registries: Male



Cancer of Lymphoid leukemia (C91)

	Male	Female
Number of cases	8	2
% to total cases	4.3	0.9
Crude incidence rate per 100,000	1.9	0.5
Age adjusted incidence rate per 100,000	2.3	0.5
Truncated rate per 100,000	0.8	0.8

Figure 12 : Age specific incidence rate of Ca Lymphoid leukemia (C91)

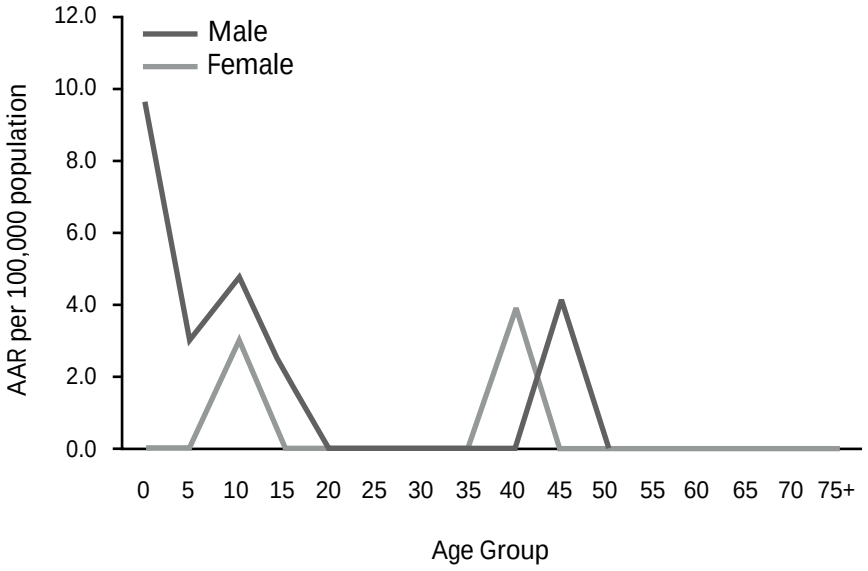
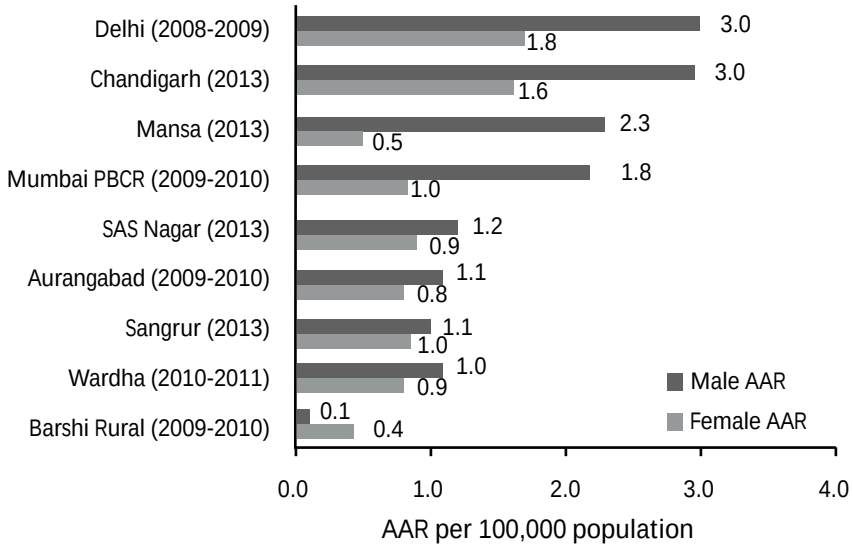


Figure 13 : Comparison of Lymphoid leukemia cancer incidence rate with other Indian registries



Cancer of Larynx (C32)

	Male
Number of cases	8
% to total cases	4.3
Crude incidence rate per 100,000	1.9
Age adjusted incidence rate per 100,000	1.9
Truncated rate per 100,000	3.3

Figure 14 : Age specific incidence rate of Ca Larynx (C32)

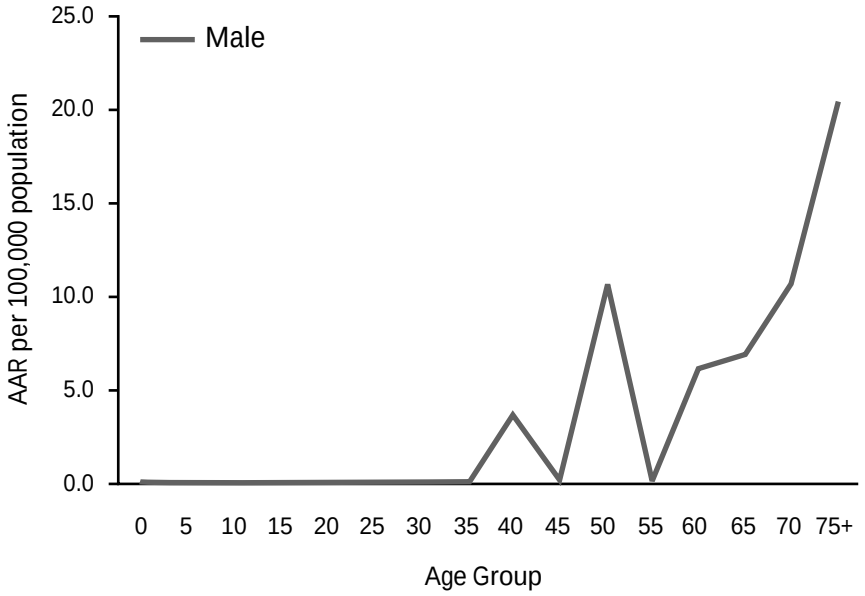
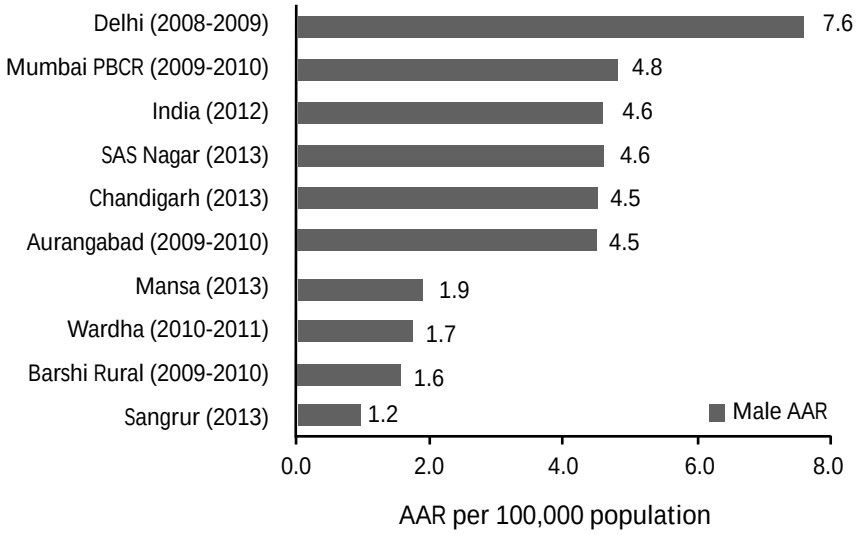


Figure 15 : Comparison of Larynx cancer incidence rate with other Indian registries



Cancer of Myeloid leukemia (C92 – C94)

	Male	Female
Number of cases	8	5
% to total cases	4.3	2.3
Crude incidence rate per 100,000	1.9	1.3
Age adjusted incidence rate per 100,000	1.9	1.4
Truncated rate per 100,000	1.5	2.1

Figure 16 : Age specific incidence rate of Ca Myeloid leukemia (C92 – C94)

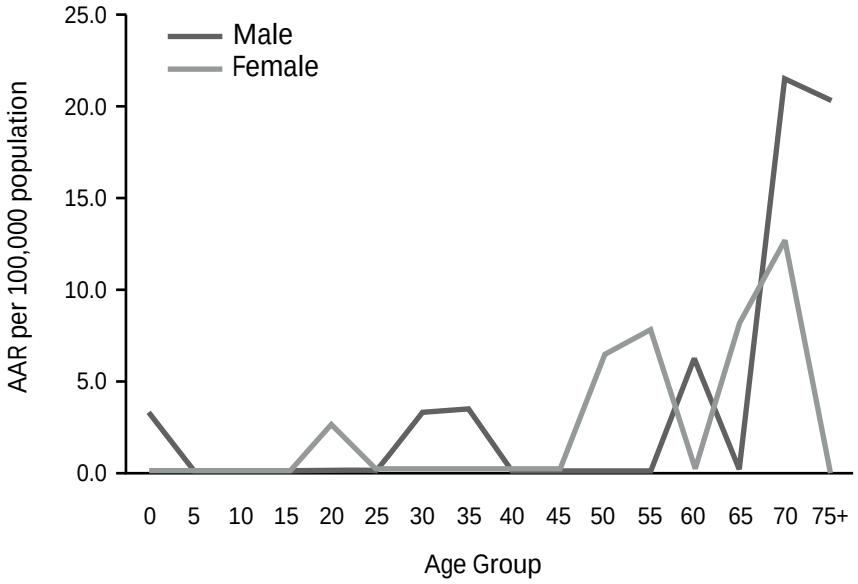
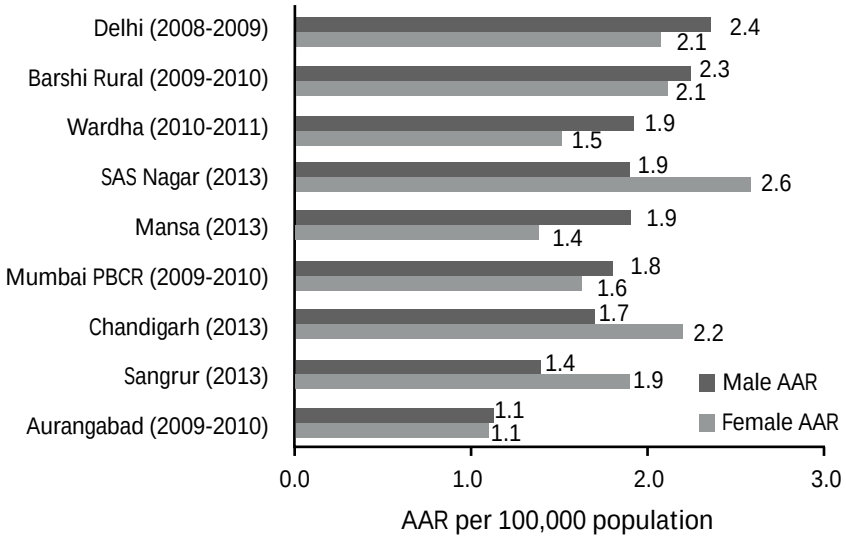


Figure 17 : Comparison of Myeloid leukemia cancer incidence rate with other Indian registries



Cancer of Cervix Uteri (C53)

Number of cases	48
% to total cases	22.2
Crude incidence rate per 100,000	12.9
Age adjusted incidence rate per 100,000	12.3
Truncated rate per 100,000	32.3

Figure 18 : Age specific incidence rate of Ca Cervix Uteri (C53)

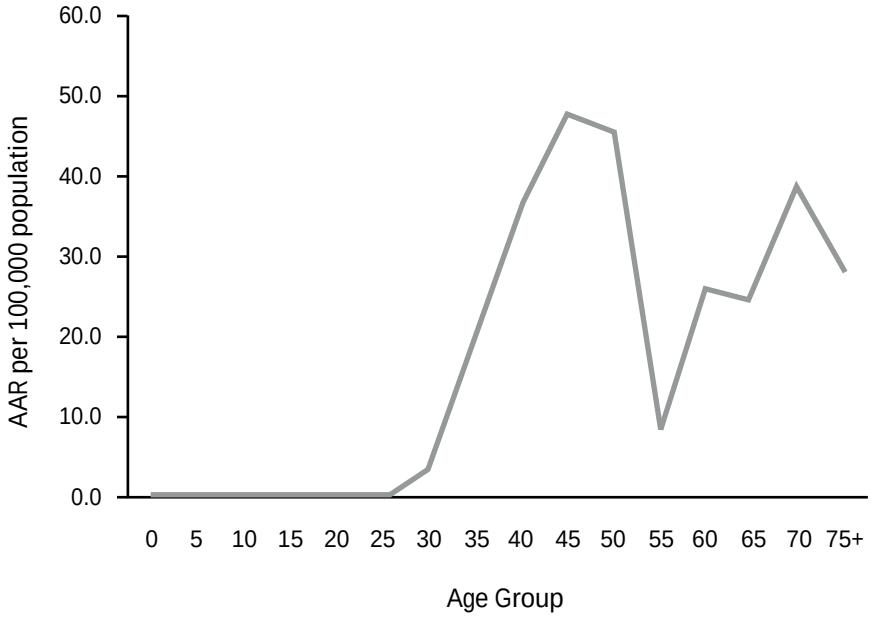
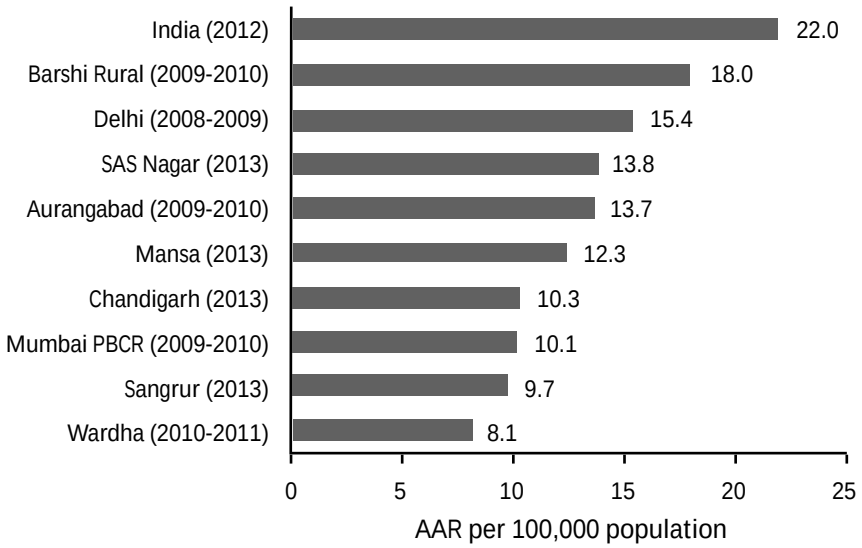


Figure 19 : Comparison of Cervix uteri cancer incidence rate with other Indian registries



Cancer of Breast (C50)

Number of cases	40
% to total cases	18.5
Crude incidence rate per 100,000	10.8
Age adjusted incidence rate per 100,000	10.5
Truncated rate per 100,000	27.7

Figure 20 : Age specific incidence rate of Ca Breast (C50)

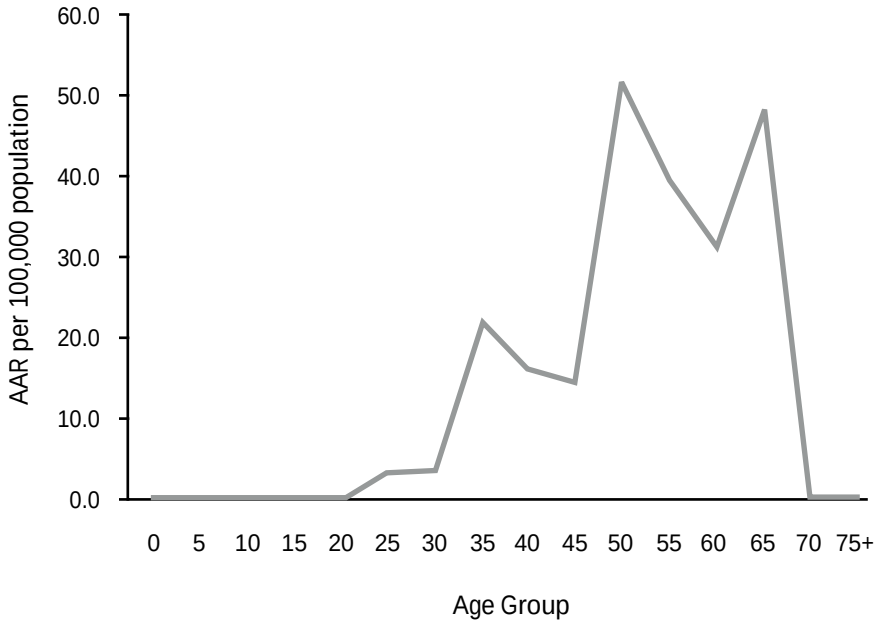
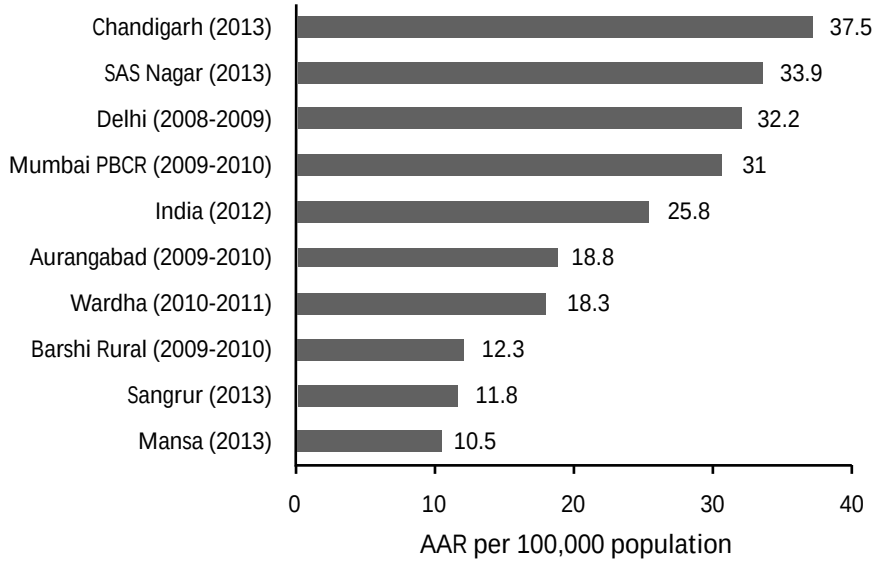


Figure 21 : Comparison of breast cancer incidence rate with other Indian registries



Cancer of Ovary (C56)

Number of cases	18
% to total cases	8.3
Crude incidence rate per 100,000	4.9
Age adjusted incidence rate per 100,000	4.9
Truncated rate per 100,000	12.9

Figure 22 : Age specific incidence rate of Ca Ovary (C56)

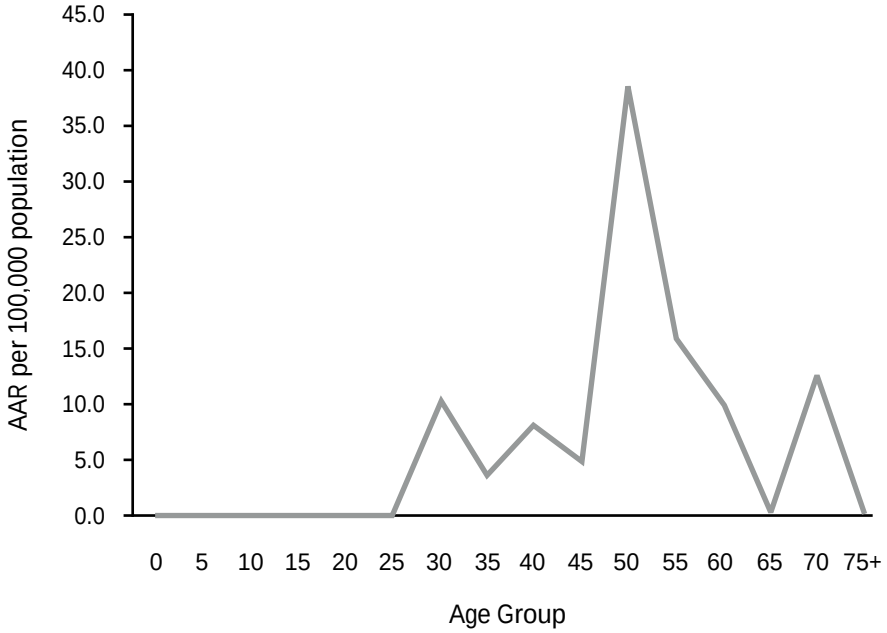
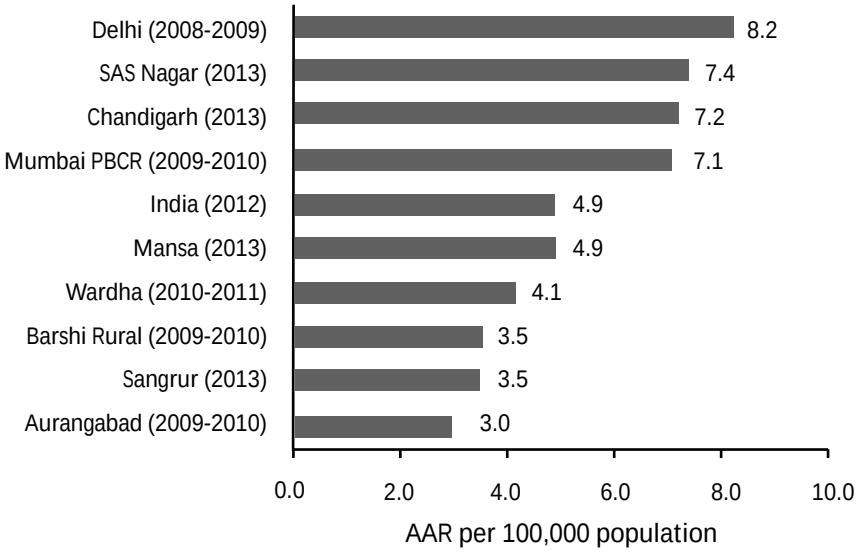


Figure 23 : Comparison of ovarian cancer incidence rate with other Indian registries



Cancer of Gall Bladder (C23 – C24)

	Male	Female
Number of cases	3	6
% to total cases	1.6	2.8
Crude incidence rate per 100,000	0.7	1.6
Age adjusted incidence rate per 100,000	0.9	1.7
Truncated rate per 100,000	2.7	3.8

Figure 24 : Age specific incidence rate of Ca Gall Bladder (C23 – C24)

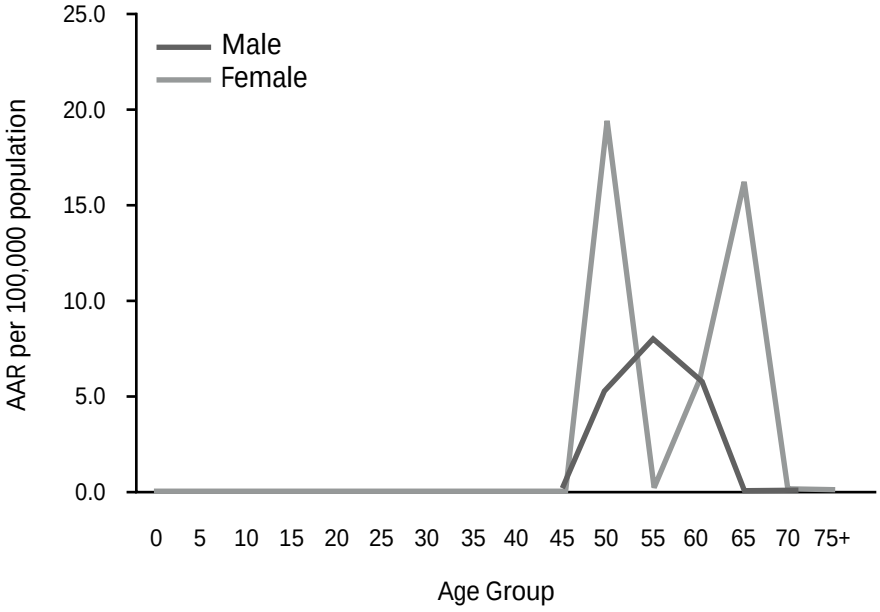


Figure 25 : Comparison of gall bladder cancer incidence rate with other Indian registries

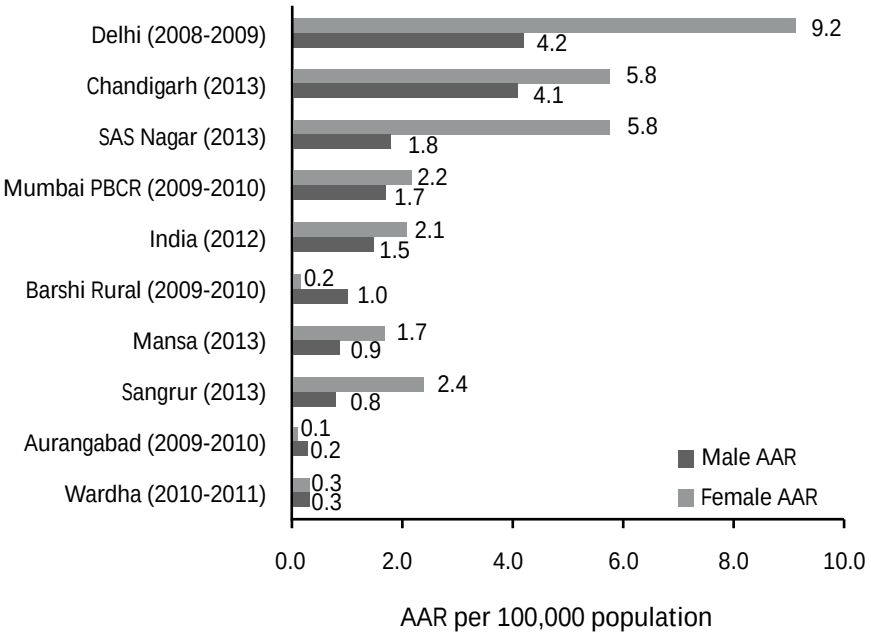


Figure 26: Age specific incidence and mortality rate – Male all cancer sites

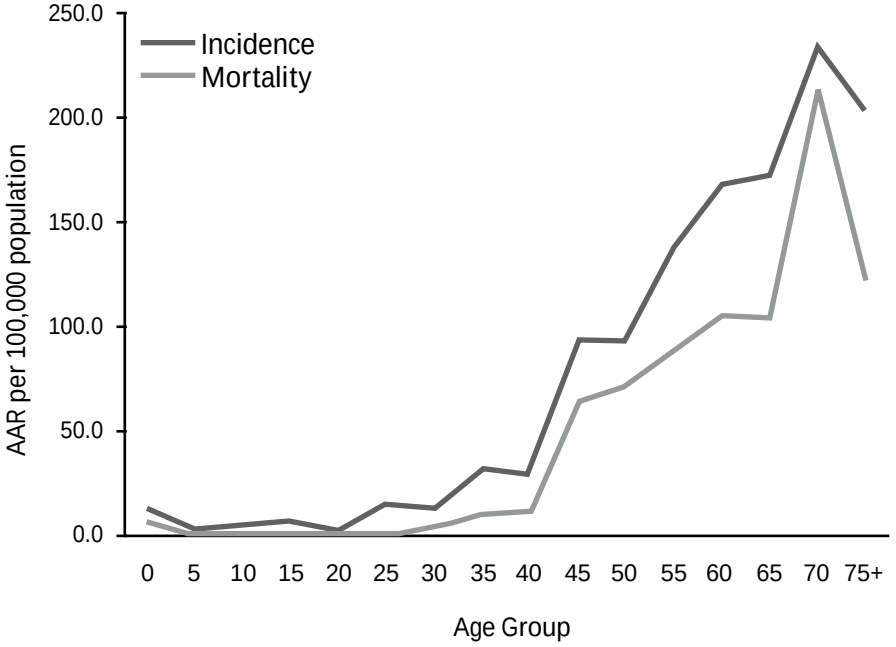
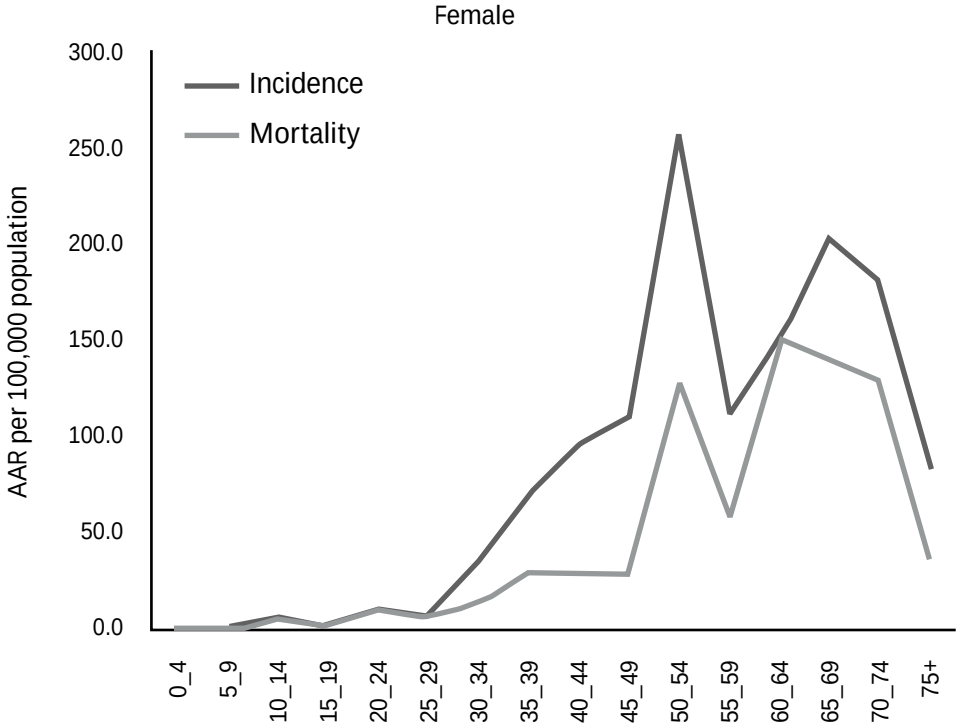


Figure 27 : Age specific incidence and mortality rate – Female all cancer sites



Other and unspecified sites

The other and unspecified cancer sites are C26 – Other and ill defined digestive organ, C39- Other and ill defined sites within respiratory systems and interthoracic organ, C48- Retro peritoneum and peritoneum, C75- Other endocrine glands and related structures, C76 Other and ill-defined, secondary and unspecified sites, C77 – Secondary and unspecified malignant neoplasm of lymph node, C78 – secondary malignant neoplasm of respiratory and digestive organs, C79 – Secondary malignant neoplasm of other and unspecified sites, C80 – Malignant neoplasm without specification of site and C97 – Malignant neoplasm of independent(Primary) multiple.

In male, out of 187 cases, 42 cases are of other and unspecified sites. The predominant cases are C80 – Primary Unknown (15%) followed by Lymph Nodes (4.3%) and other sites (3.2%). In Female, out of 216 cases, 23 cases are of other and unspecified sites. The predominant cases are C80 Primary unknown (7.9%) followed by other sites (2.8% cases). The details are presented in Table 11.

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

The primary unknown is the indicator of the health infrastructure and this type of cases will be more in rural parts of India where there is limitation of diagnostic and treatment facility. In the first year of the cancer registration it was expected that there will be more primary site unknown cases. However in the coming years due to improvement in the diagnostic and treatment facilities as there will be few primary site unknown cases.

Table 11 : Other and unspecified cases by Sex

ICD	Male		Female	
	Number	%	Number	%
C76	2	1.1	1	0.5
C77	8	4.3	1	0.5
C78	1	0.5	3	1.4
C79	3	1.6	1	0.5
C80	28	15.0	17	7.9
Totat Cancer Cases	187	100.0	216	100.0

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

	Male	Female
Number of cases	42	23
% to total cases	22.5	10.6
Crude incidence rate per 100,000	10.0	6.2
Age adjusted incidence rate per 100,000	10.1	5.8
Truncated rate per 100,000	22.2	10.3

Figure 28 : Age specific incidence rate of Ca Other and Unspecified

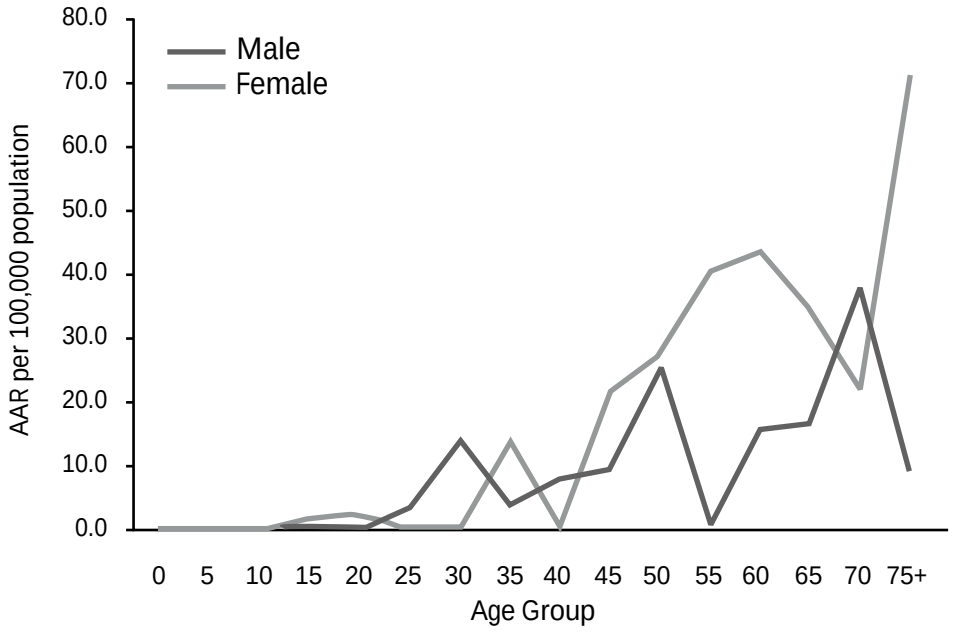
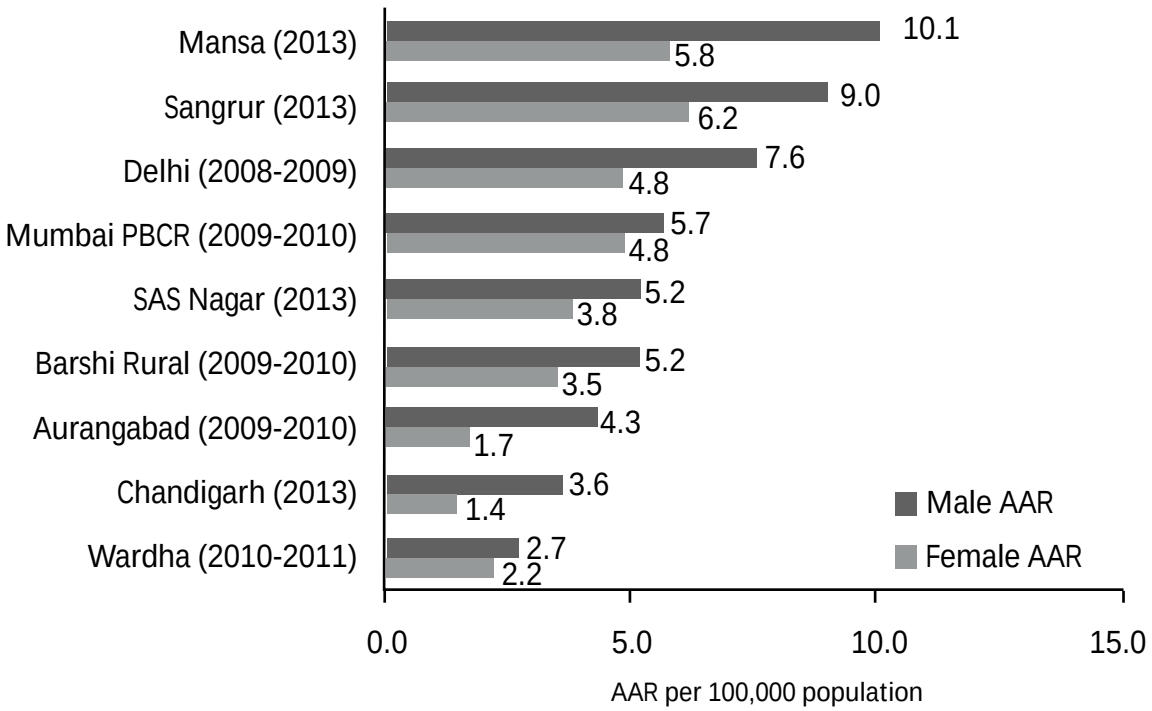


Figure 29 : Comparison of Other and Unspecified cancer incidence rate with other Indian registries



10. Comparison of cancer incidence rate with other Indian registries

Age adjusted incidence rate for all sites for both the sex for the year 2013 was compared with other Indian PBCR (Fig 30 &31). The cancer incidence of Mansa district are lower than urban area and it is in comparison with other rural cancer registries in the country.

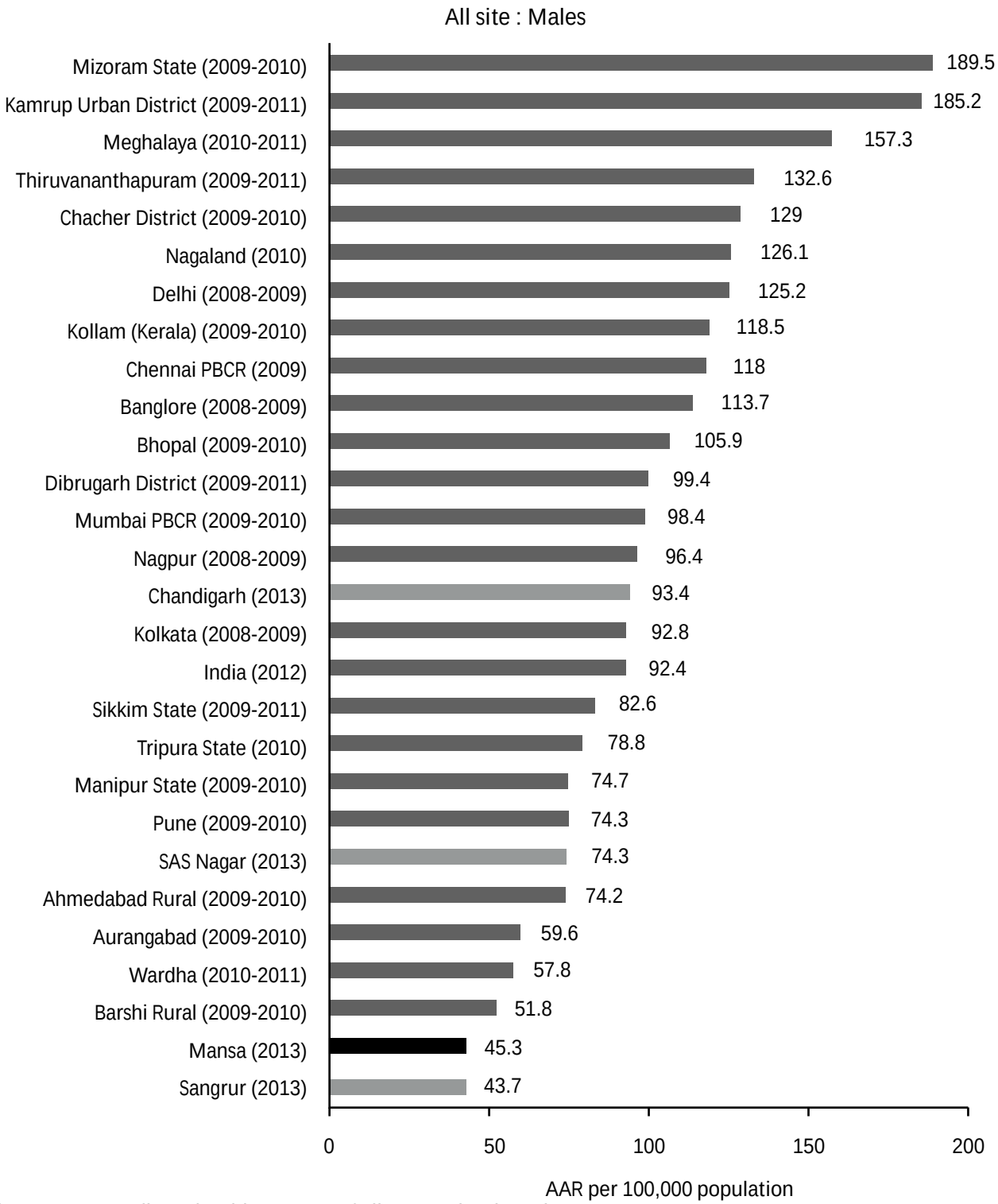


Figure 30 : Age Adjusted Incidence Rate of all cancer sites in males
Reference: 4,5,8,9 and 10

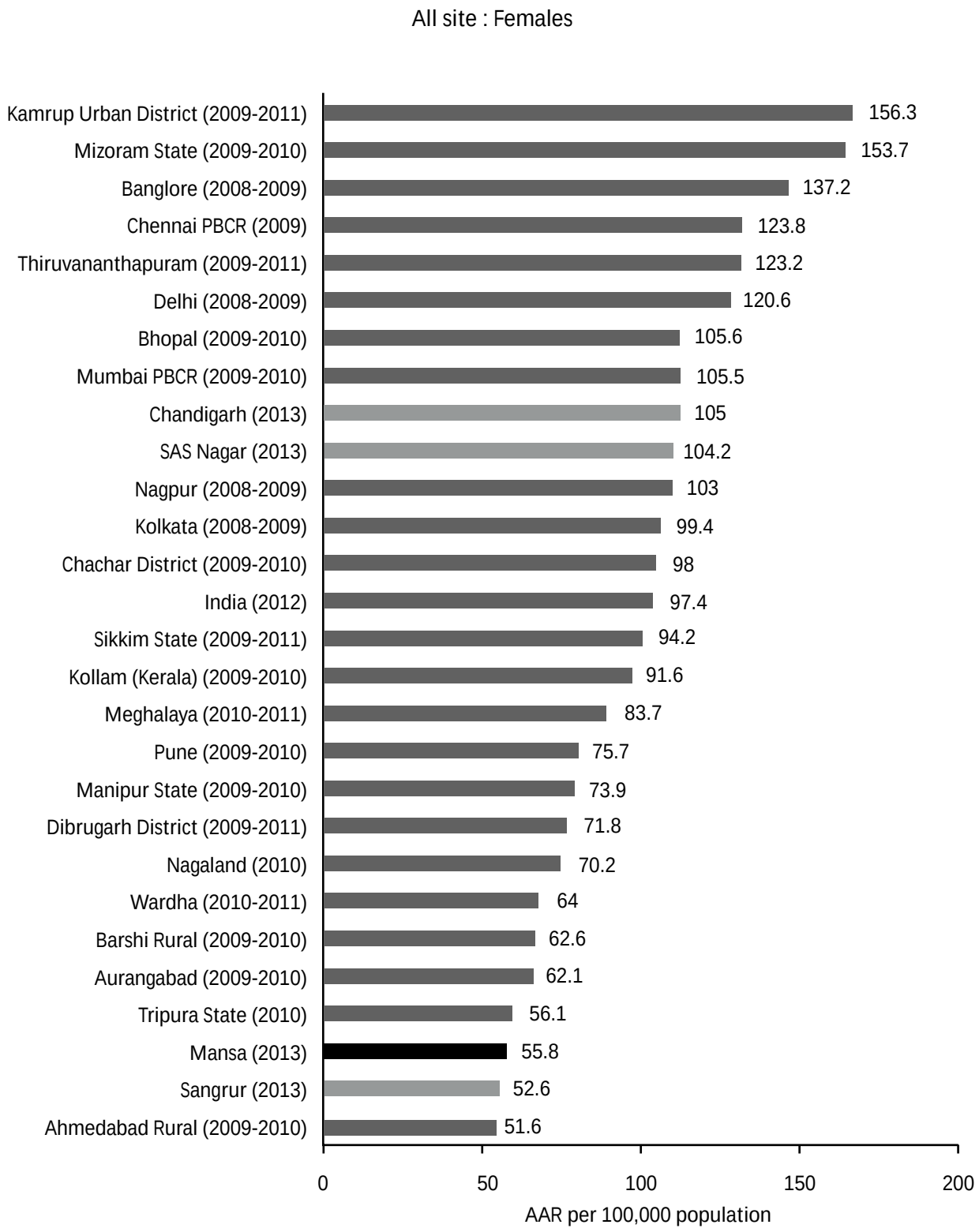


Figure 31 : Age Adjusted Incidence Rate of all cancer sites in females
Reference: 4,5,8,9 and 10

11. 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. Under registration/under diagnosis occurs mainly in the older age group 65 onwards due to reduced access to health care in the elderly age group. The Truncated rate in males was reported as 79 per 100000 and age adjusted rate 43 per 100,000. The most of cases are registered in the age group 35 to 69 and there is declining trend in the age specific incidence rate in 70+ age. In the females the truncated rate is 123.7 per 100,000 and the age adjusted rate is 54 per 100000. The most of the cancer cases are registered in the age group 35-64 and there is declining trend in the age specific incidence rate after 65 age group.

In the first year of the registry, we were expecting the under registration due to difficulty in collecting the data as the cancer patients from this area travelled from 60 KMS to near about 350 kms for taking the cancer treatment. Due to continuous interaction in the village we were feeling that we may have missed very few cancer cases in the rural area, however we may have under registration likely more in the urban population as it will be difficult to cover the urban population with the help community leaders. In the coming year we are planning to undertake house to house survey in 5 % randomly selected population to check the completeness of the cancer registration process and we will get the exact percentage of under registration of the cases.

12. Hurdles in Establishing the Rural Cancer Registry

The cancer registry should be located in the area where diagnostic and treatment facilities should be available in the district. It was a difficult task to establish the cancer registry in the area where patient travelled several places for the cancer treatment. However, due to interaction with the community and constant 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 again. The selected staff was provided training at TMC, PGIMER, Barshi and Mumbai PBCR.

In the initial period, two major cancer centers refused to provide the data. We were more dependent on the village visit. After continuous meeting with the authorities, one centre has permitted us to collect the data. Still one cancer centre refuse to give the data.

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 lot of time in meeting the authorities.

Few hospitals just provided the cancer patient list with minimum information and they didn't allow us to go through medical records. 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 the basic facilities.

Several times ANM, ASHA workers, PHC staff were busy in their activity and we have to wait until they finish their regular duties.

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

13. Description of Statistical terms used

Description of Statistical terms used

Incidence: Cancer incidence denotes new cancer cases diagnosed in a defined population in a specified time period. For this report, all cancer cases diagnosed from 1st January 2013 to 31st December 2013 in the Mansa district have been included.

Mortality: Cancer mortality is defined as the number of cancer deaths occurring in a defined population, in a defined geographic area during a particular year(s) per 100,000 population. All cancer deaths between 1st January 2013 to 31st December 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.

$$CR = \frac{\text{Number of new cancer cases observed in 2013} \quad * \quad 100000}{\text{Estimated Population of the same year}}$$

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 division of the total number of cancer cases by the corresponding estimated population in that age group and sex/site/geographic area/time period and multiplying by 100,000.

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

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

14. Standard Registry Tables

Table 12 : Number of Incidence Cancers by Five Year Age Group and Site (ICD 10): 2013 – 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	-	-	5	2.7
C03-06	Mouth	-	-	-	-	-	-	-	-	1	6	1	-	-	-	1	1	10	5.3
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1.1
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1.1
C14	Pharynx Unspecified	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	3	1.6
C15	Oesophagus	-	-	-	-	-	-	1	-	-	3	2	4	5	5	6	2	28	15.0
C16	Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	1	-	2	-	1	1	1	-	6	3.2
C19-C20	Rectum	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	1.1
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	3	1.6
C22	Liver	-	-	-	-	-	-	-	-	-	1	-	-	3	1	-	-	5	2.7
C23	Gall Bladder etc	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	3	1.6
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	1.1
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1	-	2	-	1	1	1	2	8	4.3
C33-C34	Lung etc.	-	-	-	-	-	-	-	-	-	-	-	1	4	-	1	-	6	3.2
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	3	1.6
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	1.1
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	1.1
C50	Breast	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	1.1
C60	Penis	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	-	4	2.1
C61	Prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	5	2.7
C62	Testis	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	1	5	2.7
C63	Oth male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	1.1
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.5
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.5
C69	Eye	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.5
C70-C72	Brain, NS	-	-	-	-	-	2	2	-	1	1	-	-	-	-	1	-	7	3.7
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	1.1
C82-C85, C96	NHL	-	-	-	-	-	-	-	1	1	-	-	-	-	1	2	-	5	2.7
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid Leukemia	3	1	2	1	-	-	-	-	-	1	-	-	-	-	-	-	8	4.3
C92-C94	Myeloid Leukemia	1	-	-	-	-	-	1	1	-	-	-	-	1	-	2	2	8	4.3
C95	Leukemia Unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	1.1
	Other & Unspecified*	-	-	-	1	1	-	-	4	-	5	5	5	7	5	2	7	42	22.5
	Total	4	1	2	3	1	5	4	9	8	22	17	17	27	25	22	20	187	100.0

* 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): 2013 – 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	0.5
C01-C02	Tongue	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-	3	1.4
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.5
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	1	3	2	5	1	4	3	3	2	24	11.1
C16	Stomach	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	1.4
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	0.9
C19-C20	Rectum	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	3	1.4
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.9
C23-C24	Gall Bladder	-	-	-	-	-	-	-	-	-	-	3	-	1	2	-	-	6	2.8
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.9
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Lung etc.	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	4	1.9
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.5
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.5
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	3	1.4
C50	Breast	-	-	-	-	-	1	1	6	4	3	8	5	6	6	-	-	40	18.5
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	Cervix Uteri	-	-	-	-	-	-	1	6	9	10	7	1	5	3	3	3	48	22.2
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	-	-	-	-	-	-	3	1	2	1	6	2	2	-	1	-	18	8.3
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	1	-	-	-	1	1	1	-	2	1	-	-	7	3.2
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.5
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.5
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	2	0.9
C73	Thyroid	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-	3	1.4
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85,C96	NHL	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2	0.9
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	3	1.4
C91	Lymphoid Leukemia	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	2	0.9
C92-C94	Myeloid Leukemia	-	-	-	-	1	-	-	-	-	-	1	1	-	1	1	-	5	2.3
C95	Leukemia Unspecified	-	-	-	1	1	-	1	-	-	-	-	1	-	1	-	-	5	2.3
	Other & Unspecified*	-	-	-	-	-	1	4	1	2	2	4	-	3	2	3	1	23	10.6
	Total	-	-	2	1	4	2	10	19	24	23	40	14	29	25	14	9	216	100

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

Table 14 : Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Incidence Rate per 100,000 population: 2013 – 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	ASR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	-	8.5	-	-	-	20.7	-	-	1.2	1.1	1.7
C03-06	-	-	-	-	-	-	-	-	3.7	25.6	5.5	-	-	-	10.7	10.2	2.4	2.4	6.6
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	-	-	0.5	0.4	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	-	-	0.5	0.4	-
C14	-	-	-	-	-	-	-	3.5	-	-	-	8.1	-	6.9	-	-	0.7	0.7	1.7
C15	-	-	-	-	-	-	3.4	-	-	12.8	11.0	32.6	31.2	34.5	64.2	20.3	6.7	6.8	12.5
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	3.7	-	11.0	-	6.2	6.9	10.7	-	1.4	1.4	3.3
C19-C20	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	10.7	-	0.5	0.4	0.7
C21	-	-	-	-	-	-	-	-	-	4.3	-	-	12.5	-	-	-	0.7	0.8	2.4
C22	-	-	-	-	-	-	-	-	-	4.3	-	-	18.7	6.9	-	-	1.2	1.2	3.2
C23	-	-	-	-	-	-	-	-	-	-	5.5	8.1	6.2	-	-	-	0.7	0.9	2.7
C25	-	-	-	-	-	-	-	-	-	-	-	8.1	-	6.9	-	-	0.5	0.5	1.1
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	3.7	-	11.0	-	6.2	6.9	10.7	20.3	1.9	1.9	3.3
C33-C34	-	-	-	-	-	-	-	-	-	-	-	8.1	24.9	-	10.7	-	1.4	1.5	4.3
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	2.1	-	2.9	-	-	3.7	-	-	-	-	-	-	-	0.7	0.6	0.7
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	8.1	-	6.9	-	-	0.5	0.5	1.1
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	11.0	-	-	-	-	-	0.5	0.6	1.8
C50	-	-	-	-	-	-	-	-	3.7	-	-	-	6.2	-	-	-	0.5	0.5	1.5
C60	-	-	-	-	-	-	-	-	-	-	5.5	8.1	-	-	21.4	-	1.0	1.0	1.9
C61	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	21.4	20.3	1.2	1.0	-
C62	-	-	-	-	-	5.9	-	-	-	-	-	16.3	-	-	-	10.2	1.2	1.3	2.1
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	10.2	0.5	0.5	0.8
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	-	0.2	0.3	0.9
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.2	0.2	0.2	-
C69	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	0.2	0.3	0.8
C70-C72	-	-	-	-	-	5.9	6.7	-	3.7	4.3	-	-	-	-	10.7	-	1.7	1.6	1.5
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	3.5	-	4.3	-	-	-	-	-	-	0.5	0.5	1.5
C82-C85 C96	-	-	-	-	-	-	-	3.5	3.7	-	-	-	-	6.9	21.4	-	1.2	1.1	1.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	9.6	2.9	4.8	2.1	-	-	-	-	-	4.3	-	-	-	-	-	-	1.9	2.3	0.8
C92-C94	3.2	-	-	-	-	-	3.4	3.5	-	-	-	-	6.2	-	21.4	20.3	1.9	1.9	1.5
C95	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	10.2	0.5	0.4	0.7
O & U*	-	-	-	2.1	2.4	-	-	14.1	-	21.4	27.6	40.7	43.6	34.5	21.4	71.1	10.0	10.1	22.2
Total	12.9	2.9	4.8	6.3	2.4	14.7	13.4	31.8	29.8	94.0	93.9	138.5	168.3	172.6	235.3	203.3	44.6	45.3	84.8

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

Table 15 : Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Incidence Rate per 100,000 population: 2013 – 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	ASR	TR
C00	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	0.3	0.3	0.9
C01-C02	-	-	-	-	-	-	-	3.7	-	4.8	-	-	-	-	12.9	-	0.8	0.8	1.6
C03-C06	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	0.3	0.2	0.7
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	3.7	12.0	9.6	32.6	7.9	20.9	24.5	38.7	18.7	6.5	6.2	13.9
C16	-	-	-	-	-	-	-	-	-	-	6.5	-	5.2	8.2	-	-	0.8	0.8	1.7
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	12.9	-	0.5	0.5	0.7
C19-C20	-	-	-	-	2.7	-	-	-	4.0	-	-	-	-	-	-	9.4	0.8	0.6	0.8
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	-	-	-	-	16.3	-	-	0.5	0.5	-
C23-C24	-	-	-	-	-	-	-	-	-	-	19.5	-	5.2	16.3	-	-	1.6	1.7	3.8
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	16.3	-	-	0.5	0.5	-
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	-	-	-	7.9	15.6	-	-	-	1.1	0.9	3.0
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.3	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	0.3	0.3	1.1
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	3.7	-	-	-	7.9	-	-	-	9.4	0.8	0.7	1.7
C50	-	-	-	-	-	3.2	3.5	22.0	16.0	14.3	52.1	39.7	31.3	48.9	-	-	10.8	10.5	27.7
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	3.5	22.0	36.1	47.8	45.6	7.9	26.1	24.5	38.7	28.1	12.9	12.3	32.3
C54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	10.5	3.7	8.0	4.8	39.1	15.9	10.4	-	12.9	-	4.9	4.9	12.9
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	2.7	-	-	-	4.0	4.8	6.5	-	10.4	8.2	-	-	1.9	1.7	4.1
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.4	0.3	0.2	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.9	-	0.3	0.3	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	-	-	-	4.8	-	7.9	-	-	-	-	0.5	0.6	2.0
C73	-	-	-	-	-	-	-	-	4.0	-	6.5	-	-	8.2	-	-	0.8	0.8	1.8
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85 C96	-	-	-	-	-	-	-	3.7	-	-	6.5	-	-	-	-	-	0.5	0.5	1.8
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	4.8	6.5	-	5.2	-	-	-	0.8	0.8	2.6
C91	-	-	3.1	-	-	-	-	-	4.0	-	-	-	-	-	-	-	0.5	0.5	0.8
C92-C94	-	-	-	-	2.7	-	-	-	-	-	6.5	7.9	-	8.2	12.9	-	1.3	1.4	2.1
C95	-	-	-	2.7	2.7	-	3.5	-	-	-	-	7.9	-	8.2	-	-	1.3	1.2	1.0
O & U*	-	-	-	-	-	3.2	14.0	3.7	8.0	9.6	26.1	-	15.6	16.3	38.7	9.4	6.2	5.8	10.3
Total	-	-	6.3	2.7	10.9	6.4	35.1	69.8	96.3	110	260.7	111	151.2	203.9	180.8	84	58.3	55.8	129.3

* 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) 2013: Male

ICD 10	Sites	0-64 Years		0-74 Years	
		Cu. Rate %	Cu Risk %	Cu. Rate %	Cu Risk %
C00	Lip	-	-		
C01-02	Tongue	-	-	0.001	0.001
C03-06	Mouth	0.002	0.002	0.002	0.002
C07-C08	Salivary glands	-			
C09	Tonsil	-	-	0.001	0.001
C10	Other Oropharynx	-	-	-	-
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	-	-	0.001	0.001
C14	Pharynx Unspecified	0.001	0.001	0.001	0.001
C15	Oesophagus	0.01	0.01	0.01	0.01
C16	Stomach	-	-	-	-
C17	Small Intestine	-	-	-	-
C18	Colon	0.001	0.001	0.002	0.002
C19-C20	Rectum	-	-	0.001	0.001
C21	Anus & Anal Canal	0.001	0.001	0.001	0.001
C22	Liver	0.001	0.001	0.001	0.001
C23	Gall Bladder etc	0.001	0.001	0.001	0.001
C25	Pancreas	-	-	0.001	0.001
C30-C31	Nose, sinuses etc.	-	-	-	-
C32	Larynx	0.001	0.001	0.002	0.002
C33-C34	Lung etc.	0.002	0.002	0.002	0.002
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	-	-	-	-
C43	Melanoma of skin	-	-	-	-
C44	Other Skin	-	-	0.001	0.001
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft tissue	0.001	0.001	0.001	0.001
C50	Breast	-	-	-	-
C60	Penis	0.001	0.001	0.002	0.002
C61	Prostate	-	-	0.001	0.001
C62	Testis	0.001	0.001	0.001	0.001
C63	Oth male genital	-	-	-	-
C64	Kidney etc.	-	-	-	-
C65	Renal pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	-	-	-	-
C68	Uns. Urinary Organs	-	-	-	-
C69	Eye	-	-	-	-
C70-C72	Brain, NS	0.001	0.001	0.002	0.002
C73	Thyroid	-	-	-	-
C74	Adrenal gland	-	-	-	-
C81	Hodgkins Disease	-	-	-	-
C82-C85, C96	NHL	-	-	0.002	0.002
C88	Imm. disease	-	-	-	-
C90	Multiple myeloma	-	-	-	-
C91	Lymphoid Leukemia	0.001	0.001	0.001	0.001
C92-C94	Myeloid Leukemia	0.001	0.001	0.002	0.002
C95	Leukemia Unspecified	-	-	-	-
	Other & Unspecified*	0.01	0.01	0.01	0.01
	Total	0.03	0.03	0.05	0.05

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

Table 17 : Cumulative rate (Cu. Rate %) & Cumulative risk (Cu. Risk) of individual sites (ICD 10) based on age specific rates (from 0-64 years and 0-74 years) 2013: 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
C03-C06	Mouth	-	-	-	-
C07-C08	Salivary gland	-	-	-	-
C09	Tonsil	-	-	-	-
C10	Other Oropharynx	-	-	-	-
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-
C15	Oesophagus	0.004	0.004	0.01	0.01
C16	Stomach	0.001	0.001	0.001	0.001
C17	Small intestine	-	-	-	-
C18	Colon	-	-	0.001	0.001
C19-C20	Rectum	-	-	-	-
C21	Anus	-	-	-	-
C22	Liver	-	-	0.001	0.001
C23-C24	Gall Bladder	0.001	0.001	0.002	0.002
C25	Pancreas	-	-	0.001	0.001
C30-C31	Nose, Sinuses etc	-	-	-	-
C32	Larynx	-	-	-	-
C33-C34	Lung etc.	0.001	0.001	0.001	0.001
C37-C38	Other Thoracic organ	-	-	-	-
C40-C41	Bone	-	-	-	-
C43	Melanoma of skin	-	-	-	-
C44	Other skin	-	-	-	-
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn & soft tissue	0.001	0.001	0.001	0.001
C50	Breast	0.01	0.01	0.01	0.01
C51	Vulva	-	-	-	-
C52	Vagina	-	-	-	-
C53	Cervix Uteri	0.01	0.01	0.01	0.01
C54	Corpus Uteri	-	-	-	-
C55	Uterus unspecified	-	-	-	-
C56	Ovary etc.	0.01	0.01	0.01	0.01
C57	Other female genital	-	-	-	-
C58	Placenta	-	-	-	-
C64	Kidney	0.001	0.001	0.002	0.002
C65	Renal Pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	-	-	0.001	0.001
C68	Other urinary organs	-	-	-	-
C69	Eye	-	-	-	-
C70-C72	Brain, NS	0.001	0.001	0.001	0.001
C73	Thyroid	0.001	0.001	0.001	0.001
C74	Adrenal gland	-	-	-	-
C81	Hodgkins Disease	-	-	-	-
C82-C85, C96	NHL	0.001	0.001	0.001	0.001
C88	Imm. disease	-	-	-	-
C90	Multiple Myeloma	0.001	0.001	0.001	0.001
C91	Lymphoid Leukemia	-	-	-	-
C92-C94	Myeloid Leukemia	0.001	0.001	0.002	0.002
C95	Leukemia Unspecified	0.001	0.001	0.001	0.001
	Other & Unspecified*	0.004	0.004	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 18: Number (#) and Proportion (%) of Cancers by Site (ICD -10) and Method of Diagnosis: 2013 – Males Mansa District

ICD 10	Site	Radiology		Endoscopy		Microscopic		Death Certificate /Other**		Total	
		#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	5	100.0	-	-	5	100.0
C03-06	Mouth	-	-	-	-	10	100.0	-	-	10	100.0
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	2	100.0	-	-	2	100.0
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	2	100.0	-	-	2	100.0
C14	Pharynx Unspecified	-	-	-	-	3	100.0	-	-	3	100.0
C15	Oesophagus	-	-	-	-	26	92.9	2	7.1	28	100.0
C16	Stomach	-	-	-	-	-	-	-	-	-	-
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	5	83.3	1	16.7	6	100.0
C19-C20	Rectum	-	-	-	-	1	50.0	1	50.0	2	100.0
C21	Anus & Anal Canal	-	-	-	-	3	100.0	-	-	3	100.0
C22	Liver	1	20.0	-	-	4	80.0	-	-	5	100.0
C23	Gall Bladder etc	1	33.3	-	-	1	33.3	1	33.3	3	100.0
C25	Pancreas	-	-	-	-	2	100.0	-	-	2	100.0
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	1	12.5	7	87.5	-	-	8	100.0
C33-C34	Lung etc.	-	-	-	-	6	100.0	-	-	6	100.0
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	2	66.7	1	33.3	3	100.0
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	2	100.0	-	-	2	100.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	1	50.0	-	-	1	50.0	-	-	2	100.0
C50	Breast	-	-	-	-	2	100.0	-	-	2	100.0
C60	Penis	-	-	-	-	4	100.0	-	-	4	100.0
C61	Prostate	1	20.0	-	-	2	40.0	2	40.0	5	100.0
C62	Testis	-	-	-	-	5	100.0	-	-	5	100.0
C63	Oth male genital	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	1	50.0	1	50.0	2	100.0
C67	Bladder	-	-	-	-	1	100.0	-	-	1	100.0
C68	Uns. Urinary Organs	1	100.0	-	-	-	-	-	-	1	100.0
C69	Eye	-	-	-	-	1	100.0	-	-	1	100.0
C70-C72	Brain, NS	2	28.6	-	-	4	57.1	1	14.3	7	100.0
C73	Thyroid	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	2	100.0	-	-	2	100.0
C82-C85, C96	NHL	-	-	-	-	4	80.0	1	20.0	5	100.0
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid Leukemia	-	-	-	-	8	100.0	-	-	8	100.0
C92-C94	Myeloid Leukemia	-	-	-	-	8	100.0	-	-	8	100.0
C95	Leukemia Unspecified	-	-	-	-	-	-	2	100.0	2	100.0
	Other & Unspecified*	1	2.4	-	-	36	85.7	5	11.9	42	100.0
	Total	8	4.3	1	0.5	160	85.6	18	9.6	187	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 19: Number (#) and Proportion (%) of Cancers by Site (ICD -10) and Method of Diagnosis: 2013 – Females Mansa District

ICD 10	Site	Radiology		Endoscopy		Microscopic		Death Certificate /Other**		Total	
		#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	1	100	-	-	1	100.0
C01-C02	Tongue	-	-	-	-	2	67	1	33.3	3	100.0
C03-C06	Mouth	-	-	-	-	1	100	-	-	1	100.0
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	23	96	1	4.2	24	100.0
C16	Stomach	-	-	-	-	3	100	-	-	3	100.0
C17	Small intestine	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	2	100	-	-	2	100.0
C19-C20	Rectum	-	-	-	-	3	100	-	-	3	100.0
C21	Anus	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	1	50.0	1	50	-	-	2	100.0
C23-C24	Gall Bladder	-	-	-	-	4	67	2	33.3	6	100.0
C25	Pancreas	-	-	-	-	1	50	1	50.0	2	100.0
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-
C33-C34	Lung etc.	-	-	-	-	2	50	2	50.0	4	100.0
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	1	100	-	-	1	100.0
C43	Melanoma of skin	-	-	-	-	-	-	-	-	-	-
C44	Other skin	-	-	-	-	1	100	-	-	1	100.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn & soft tissue	-	-	-	-	3	100	-	-	3	100.0
C50	Breast	-	-	-	-	40	100	-	-	40	100.0
C51	Vulva	-	-	-	-	-	-	-	-	-	-
C52	Vagina	-	-	-	-	-	-	-	-	-	-
C53	Cervix Uteri	-	-	-	-	48	100	-	-	48	100.0
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	-
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	-	-	-	-	18	100	-	-	18	100.0
C57	Other female genital	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	6	86	1	14.3	7	100.0
C65	Renal Pelvis	-	-	-	-	1	100	-	-	1	100.0
C66	Ureter	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	1	100	-	-	1	100.0
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	2	100	-	-	2	100.0
C73	Thyroid	-	-	-	-	3	100	-	-	3	100.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	NHL	-	-	-	-	2	100	-	-	2	100.0
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	2	67	1	33.3	3	100.0
C91	Lymphoid Leukemia	-	-	-	-	2	100	-	-	2	100.0
C92-C94	Myeloid Leukemia	-	-	-	-	4	80	1	20.0	5	100.0
C95	Leukemia Unspecified	-	-	-	-	4	80	1	20.0	5	100.0
	Other & Unspecified*	3	13.0	-	-	16	70	4	17.4	23	100.0
	Total	3	1.4	1	0.5	197	91	15	6.9	216	100.0

Total31.410.519791156.9216100.0* 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): 2013 –Males Mansa District
% = Relative Proportion of Cancers of All Sites

ICD 10	Code	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	1	1	-	-	-	4	3.6
C03-06	Mouth	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	3	2.7
C07-C08	Salivary glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2	1.8
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	-	1	1	4	4	4	4	5	-	23	20.5
C16	Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.9
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	1.8
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	3	2.7
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	2	-	-	2	2	-	-	6	5.4
C23	Gall Bladder etc	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.9
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	1.8
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	1.8
C33-C34	Lung etc.	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	2	5	4.5
C37-C38	Other Thoracic organ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.9
C43	Melanoma of skin	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	1.8
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.9
C50	Breast	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.9
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C61	Prostate	-	-	-	-	-	-	-	-	-	1	1	1	-	-	2	1	6	5.4
C62	Testis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	1.8
C63	Other male genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C65	Renal pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.9
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	-	-	1	-	-	1	-	-	-	2	1	-	5	4.5
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	NHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.9
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	Lymphoid Leukemia	1	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	3	2.7
C92-C94	Myeloid Leukemia	1	-	-	-	-	-	-	2	1	1	-	-	1	1	2	-	9	8.0
C95	Leukemia Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.9
	Other & Unspecified*	-	-	-	-	-	-	-	-	-	2	3	5	3	3	4	5	25	22.3
	Total	2	-	-	-	-	-	1	3	3	15	13	11	17	15	20	12	112	100.0

* 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): 2013 –Females Mansa District
% = Relative Proportion of Cancers of All Sites

ICD 10	Code	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	Tongue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.8
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.8
C07-C08	Salivary gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Other Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	4	2	1	2	2	6	1	1	2	21	17.4
C16	Stomach	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.8
C17	Small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C20	Rectum	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.8
C21	Anus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	1	-	-	-	-	-	-	1	2	2	-	6	5.0
C23-C24	Gall Bladder	-	-	-	-	-	-	-	-	-	-	1	-	2	3	-	-	6	5.0
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	1.7
C30-C31	Nose, Sinuses etc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Lung etc	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	1.7
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C50	Breast	-	-	-	-	-	1	-	1	-	-	5	-	4	-	-	-	11	9.1
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	Cervix Uteri	-	-	-	-	-	-	1	1	2	1	4	1	8	2	4	2	26	21.5
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	-	-	-	-	-	-	1	-	1	-	2	-	2	-	-	-	6	5.0
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	2	1.7
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.8
C68	Other urinary organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, NS	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.8
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	1.7
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.8
C81	Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	NHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C88	Imm. disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.8
C91	Lymphoid Leukemia	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	3	2.5
C92-C94	Myeloid Leukemia	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	2	1.7
C95	Leukemia Unspecified	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	3	2.5
	Other & Unspecified*	-	-	-	1	1	-	1	2	-	2	1	1	3	5	2	-	19	15.7
	Total	-	-	2	1	4	2	4	8	7	6	20	7	29	17	10	4	121	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- 64 yrs) (TR) Mortality Rate per 100,000 population: 2013 – 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	ASR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	-	-	-	11.0	8.1	6.2	-	-	-	1.0	1.1	3.6
C03-06	-	-	-	-	-	-	-	-	-	4.3	-	-	6.2	-	-	10.2	0.7	0.7	1.6
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	4.3	5.5	-	-	-	-	-	0.5	0.5	1.7
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	3.7	4.3	22.1	32.6	24.9	27.6	53.5	-	5.5	5.8	12.5
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	5.5	-	6.2	-	-	-	0.5	0.5	1.7
C19-C20	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	21.4	-	0.7	0.6	-
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	8.5	-	-	12.5	13.8	-	-	1.4	1.4	3.3
C23	-	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	-	0.2	0.3	0.9
C25	-	-	-	-	-	-	-	-	-	4.3	-	-	-	6.9	-	-	0.5	0.5	0.8
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	10.7	-	0.5	0.5	0.8
C33-C34	-	-	-	-	-	-	-	-	-	-	-	-	12.5	-	10.7	20.3	1.2	1.1	1.6
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	-	-	-	-	-	-	-	-	3.7	4.3	-	-	-	-	-	-	0.5	0.5	1.5
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	0.2	0.3	0.8
C50	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	0.2	0.3	0.8
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C61	-	-	-	-	-	-	-	-	-	4.3	5.5	8.1	-	-	21.4	10.2	1.4	1.5	2.8
C62	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	10.2	0.5	0.4	0.7
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	0.2	0.2	0.8
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	3.4	-	-	4.3	-	-	-	13.8	10.7	-	1.2	1.1	0.8
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.7	-	0.2	0.2	-
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	3.2	-	-	-	-	-	-	-	-	4.3	-	-	-	6.9	-	-	0.7	0.8	0.8
C92-C94	3.2	-	-	-	-	-	-	7.1	3.7	4.3	-	-	6.2	6.9	21.4	-	2.1	2.2	3.7
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.2	0.2	0.2	-
O & U*	-	-	-	-	-	-	-	-	-	8.5	16.6	40.7	18.7	20.7	42.8	50.8	6.0	6.2	12.0
Total	6.4	-	-	-	-	-	3.4	10.6	11.2	64.1	71.8	89.6	105.9	103.5	213.9	122.0	26.7	27.4	53.4

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

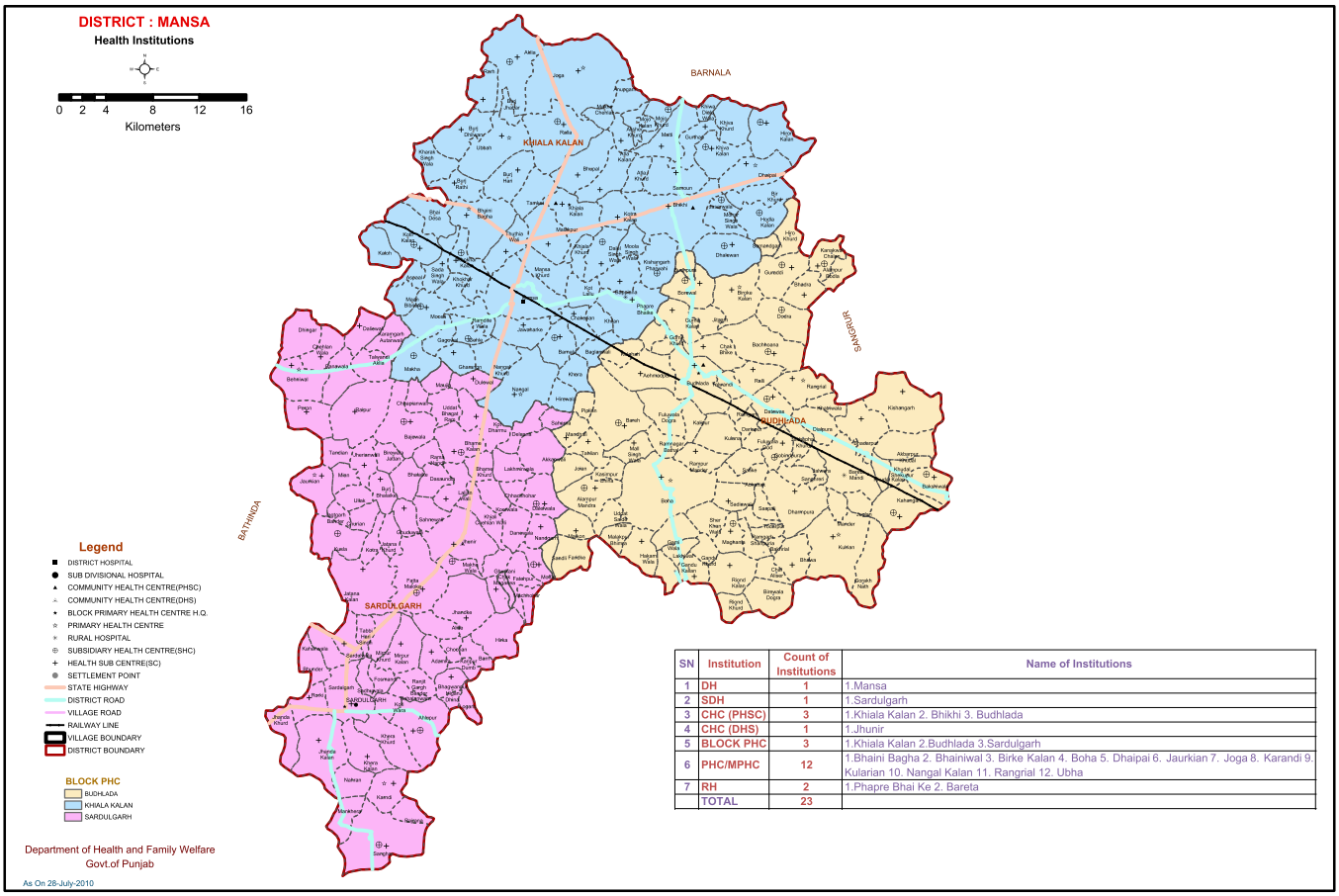
Table 23: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35- 64 yrs) (TR) Mortality Rate per 100,000 population: 2013 – Female Mansa District

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	ASR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-C02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.9	-	0.3	0.3	-
C03-C06	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	0.3	0.3	1.0
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	14.7	8.0	4.8	13.0	15.9	31.3	8.2	12.9	18.7	5.7	5.0	13.5
C16	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	0.3	0.3	1.1
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C20	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	0.3	0.2	-
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	3.2	-	-	-	-	-	-	5.2	16.3	25.8	-	1.6	1.5	0.7
C23-C24	-	-	-	-	-	-	-	-	-	-	6.5	-	10.4	24.5	-	-	1.6	1.5	2.4
C25	-	-	-	-	-	-	-	-	-	-	6.5	-	-	8.2	-	-	0.5	0.6	1.1
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	-	-	-	-	10.4	-	-	-	0.5	0.4	1.3
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	3.1	-	-	-	-	-	-	4.8	-	-	-	-	-	-	0.5	0.6	0.9
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C50	-	-	-	-	-	3.2	-	3.7	-	-	32.6	-	20.9	-	-	-	3.0	2.9	8.7
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	3.5	3.7	8.0	4.8	26.1	7.9	41.7	16.3	51.7	18.7	7.0	6.4	13.8
C54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	3.5	-	4.0	-	13.0	-	10.4	-	-	-	1.6	1.5	4.2
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	2.7	-	-	-	-	-	-	-	5.2	-	-	-	0.5	0.4	0.7
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-	0.3	0.2	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	0.3	0.3	0.9
C73	-	-	-	-	-	-	-	-	-	-	6.5	-	-	8.2	-	-	0.5	0.6	1.1
C74	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	0.3	0.3	1.1
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85, C96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	0.3	0.3	1.1
C91	-	-	3.1	-	-	-	-	-	8.0	-	-	-	-	-	-	-	0.8	0.8	1.6
C92-C94	-	-	-	-	2.7	-	-	-	-	-	-	7.9	-	-	-	-	0.5	0.5	1.0
C95	-	-	-	-	-	-	3.5	-	-	-	-	7.9	-	8.2	-	-	0.8	0.8	1.0
O & U*	-	-	-	2.7	2.7	-	3.5	7.3	-	9.6	6.5	7.9	15.6	40.8	25.8	-	5.1	4.7	7.4
Total	-	-	6.3	2.7	10.9	6.4	14.0	29.4	28.1	28.7	130.3	55.6	151.2	138.7	129.1	37.4	32.6	30.5	64.4

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

15. 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. Birke Kalan 4. Boha 5. Dhaipai 6. Jaurkian 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	45	47	92	20	25	45
Budhlada	70	71	141	44	28	72
Khiala Kalan	72	98	170	48	68	116
Total	187	216	403	112	121	233

Village wise cancer incidence cases and mortality cases: Sardulgarh, Mansa District

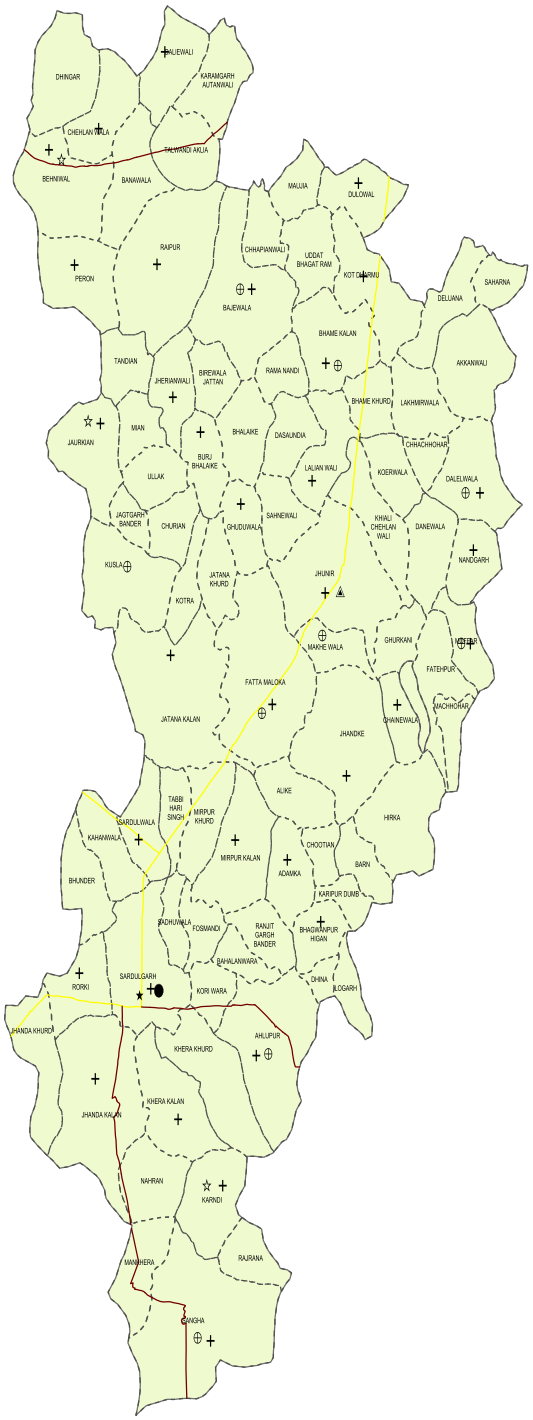
DISTRICT : MANSA

BLOCK : SARDULGARH

Health Institutions

0 0.5 1 2 3 4

Kilometers



SN	Institution	Count of Institutions	Name of Institutions
1	DH	0	
2	SDH	1	1. Sardulgarh
3	CHC (PHSC)	0	
4	CHC (DHS)	1	1. Jhunir
5	BLOCK PHC	1	1. Sardulgarh
6	PHC/MPHC	3	1. Behniwal, 2. Jaurkian, 3. Karandi
7	RH	0	
8	SHC	9	1. Mofar, 2. Kusla, 3. Makhe Wala, 4. Sangha, 5. Fatta Maloka, 6. Ahlupur, 7. Dalel Wala, 8. Bhame Kalan, 9. Bajewala
9	SC	33	1. Sardulgarh, 2. Sardulwala, 3. Mirpur Kalan, 4. Jhaduke, 5. Fatta maloka, 6. Jatana Kalan, 7. Adamka, 8. Rorki, 9. Ahlupur,10. Karandi, 11. Sangha, 12. Khera Kalan, 13. Jhanda Kalan, 14. Bhagwanpur Higan, 15. Chainewala,16. Moffar, 17. Lalianwali, 18. Nandgarh, 19. Jhunir, 20. Bhame Kalan, 21. Dalel Wala, 22. Kot Dharmu, 23. Dulowal, 24. Bajewala, 25. Jaurkian, 26. Burj, 27. Jherian wali, 28. Ghuduwala, 29. Raipur, 30. Behniwal, 31. Peron, 32. Chehlanwali, 33. Daliewali
	TOTAL	48	

Legend

- District Hospital
- Sub Divisional Hospital
- Community Health Cente(PHSC)
- Community Health Cente(DHS)
- Block Primary Health Centre
- Primary Health Centre
- Rural Hospital
- Subsidiary Health Centre
- Sub Centre
- Village Boundary
- Railway Line
- State HighWay
- District Road

Department of Health and Family Welfare

Govt.of Punjab

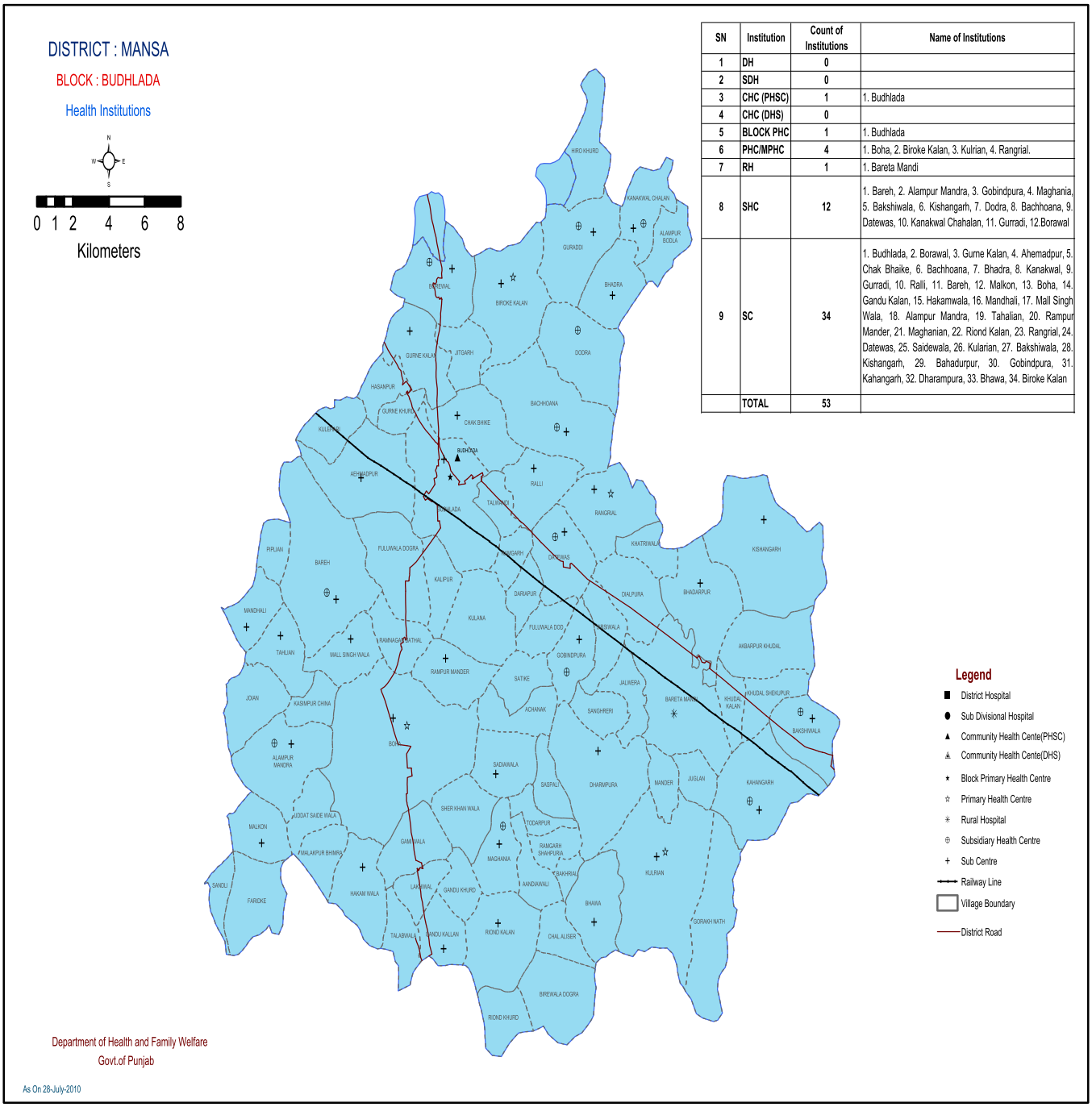
As On 28-July-2010

Village wise Cancer Incidence and Mortality, Sardulgarh, Mansa District

Sr. No.	Village Name	Incidence 2013			Mortality 2013		
		Male	Female	Total	Male	Female	Total
1	Adamke	-	1	1	-	-	-
2	Ahlupur	1	-	1	-	1	1
3	Akkanwali	-	-	-	-	-	-
4	Alike	1	-	1	-	-	-
5	Bajewala	-	2	2	2	2	4
6	Banawali	-	1	1	-	-	-
7	Behniwal	-	1	1	-	1	1
8	Barn	1	1	2	-	-	-
9	Bhagwanpur higna	-	-	-	-	-	-
10	Bhamme Kalan	1	-	1	1	1	2
11	Bhamme Khurd	-	1	1	-	-	-
12	Bhulanwada	-	-	-	-	-	-
13	Bhunder	-	-	-	1	-	1
14	Birewala	-	-	-	-	-	-
15	Burj	-	-	-	-	-	-
16	Burj Bhalai Ke	-	1	1	-	1	1
17	Chachohar	-	-	-	-	-	-
18	Chaine Wala	1	-	1	-	-	-
19	Chalanwali	-	1	1	-	-	-
20	Chapianwali	1	-	1	1	-	1
21	Chotian	-	-	-	-	-	-
22	Churian	-	-	-	-	-	-
23	Dalelwala	2	1	3	-	-	-
24	Daliawali	-	1	1	-	-	-
25	Danewala	-	2	2	-	2	2
26	Dasoundia	-	1	1	1	-	1
27	Dhingana	-	-	-	-	-	-
28	Dhinger	1	2	3	-	-	-
29	Dulowal	-	1	1	-	-	-
30	Fatehpur	1	-	1	-	-	-
31	Fatta maloka	-	1	1	-	1	1
32	Fusmandi	1	-	1	1	-	1
33	Ghurkni	1	-	1	-	-	-
34	Ghudduwala	-	-	-	-	-	-
35	Sardulgarh Badian	-	-	-	-	-	-
36	Hirke	1	-	1	-	-	-
37	Jagatgarh Bandran	1	-	1	-	-	-
38	Jhanda Kalan	-	1	1	-	1	1
39	Jatana Kalan	1	-	1	-	-	-
40	Jatana Khurd	-	-	-	-	-	-
41	Jhanda khurd	-	-	-	-	-	-
42	Jhandu Ke	-	1	1	-	-	-
43	Jherianwali	-	-	-	-	-	-

44	Jhunir	2	1	3	2	4	6
45	Jorhkian	1	2	3	1	1	2
46	Kahnewala	-	1	1	-	1	1
47	Kalipur Dumb	-	-	-	-	-	-
48	Karamgarh Autawali	1	-	1	-	-	-
49	Karandi	-	-	-	1	-	1
50	Kaurianwara	1	1	2	-	1	1
51	Khera Kalan	1	-	1	-	-	-
52	Khihali Chalanwali	-	1	1	-	-	-
53	Korwala	-	1	1	-	1	1
54	Kot Dharmu	1	1	2	-	-	-
55	Kotra	-	-	-	-	-	-
56	Kusla	-	-	-	-	1	1
57	Lakhmirwala	2	1	3	1	-	1
58	Lalianwali	2	-	2	-	-	-
59	Lohgarh	1	4	5	1	2	3
60	Luhar khera	-	-	-	-	-	-
61	Makhewala	1	-	1	-	-	-
62	Mankhera	-	-	-	-	-	-
63	Meerpur Kalan	-	2	2	-	-	-
64	Meerpur Khurd	-	-	-	-	-	-
65	Mian	2	-	2	-	-	-
66	Moda	-	-	-	-	-	-
67	Moffar	1	-	1	-	-	-
68	Mojia	-	-	-	-	-	-
69	Naharan	-	1	1	-	-	-
70	Nandgarh	2	1	3	-	1	1
71	Peron	2	-	2	-	-	-
72	Raipur	1	3	4	2	-	2
73	Ramanandi	-	-	-	-	2	2
74	Ranjitgarh Bandran	1	-	1	-	-	-
75	Rorki	-	1	1	1	1	2
76	Sahnewali	1	1	2	-	-	-
77	Sangha	1	-	1	-	-	-
78	Sardulewala	1	-	1	1	-	1
79	Sardulgarh Local	1	3	4	1	-	1
80	Saharna	-	-	-	-	-	-
81	Tandian	-	-	-	-	-	-
82	Talwandi Aklia	1	2	3	-	-	-
83	Uddat bhagat ram	1	-	1	2	-	2
84	Ullak	-	-	-	-	-	-
85	Tibi Hari Singh	-	-	-	-	-	-
86	Rajrana	1	-	1	-	-	-
87	Sadhuwala	1	-	1	-	-	-
88	Khera Khurd	-	-	-	-	-	-
89	Deluana	-	-	-	-	-	-
	Total	45	47	92	20	25	45

Village wise cancer incidence cases and mortality cases: Budhlada, Mansa District



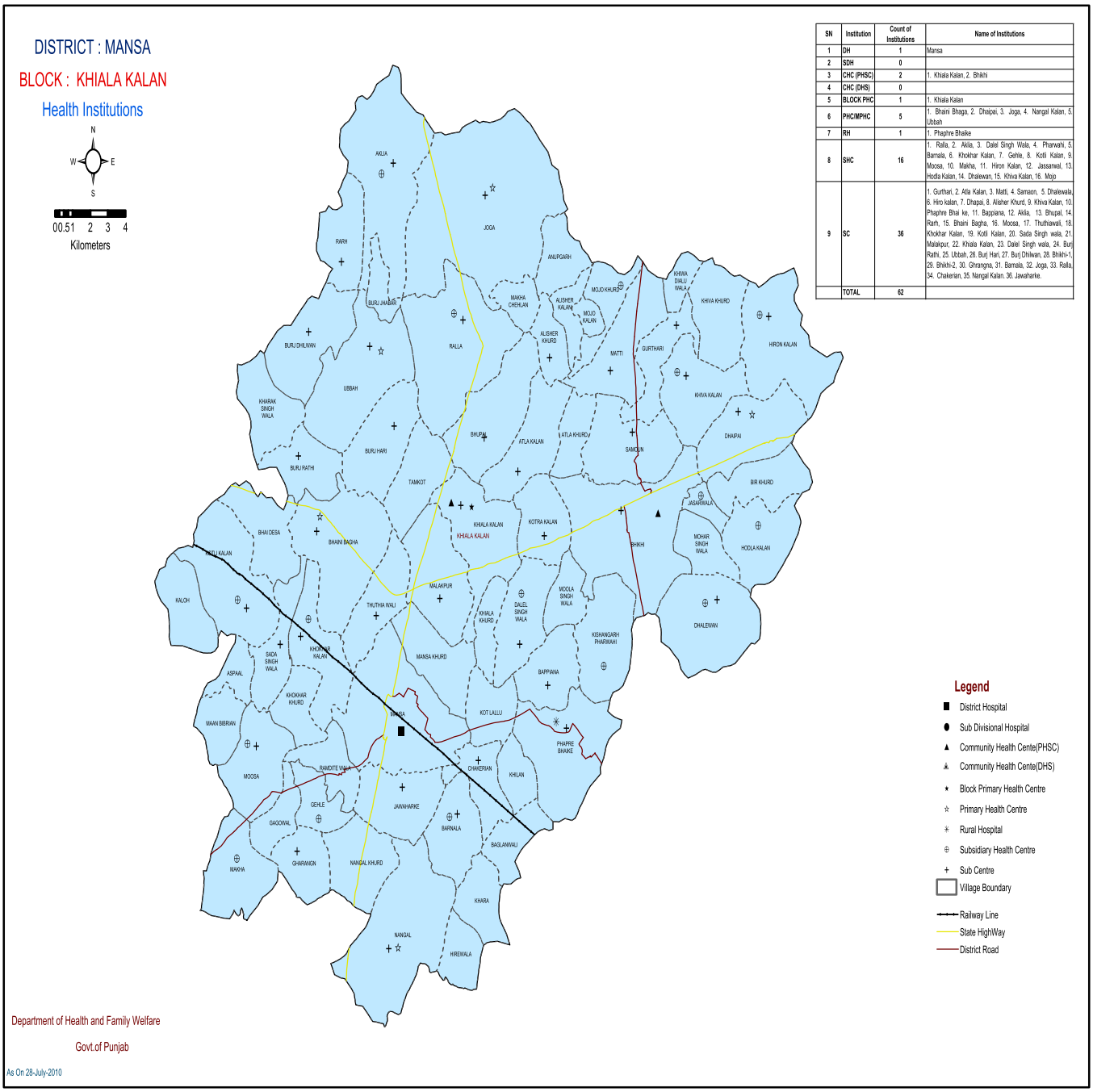
SN	Institution	Count of Institutions	Name of Institutions
1	DH	0	
2	SDH	0	
3	CHC (PHSC)	1	1. Budhlada
4	CHC (DHS)	0	
5	BLOCK PHC	1	1. Budhlada
6	PHC/MPHC	4	1. Boha, 2. Biroke Kalan, 3. Kulrian, 4. Rangrial.
7	RH	1	1. Bareta Mandi
8	SHC	12	1. Bareh, 2. Alampur Mandra, 3. Gobindpura, 4. Maghania, 5. Bakshiwala, 6. Kishangarh, 7. Dodra, 8. Bachhoana, 9. Datewas, 10. Kanakwal Chahalan, 11. Gurradi, 12.Borawal
9	SC	34	1. Budhlada, 2. Borawal, 3. Gurne Kalan, 4. Ahemadpur, 5. Chak Bhaike, 6. Bachhoana, 7. Bhadra, 8. Kanakwal, 9. Gurradi, 10. Ralli, 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	53	

Village wise Cancer Incidence and Mortality Budhlada, Mansa District

Sr. No.	Village Name	Incidence 2013			Mortality 2013		
		Male	Female	Total	Male	Female	Total
1	Achanak	-	-	-	-	-	-
2	Ahemdpur	2	2	4	-	-	-
3	Akbarpur Khudal	1	-	1	-	-	-
4	Aalmpur Bodla	-	1	1	-	-	-
5	Aalampur Mandran	1	2	3	-	-	-
6	Andianwali	-	-	-	-	-	-
7	Bachhoana	1	2	3	-	1	1
8	BahadarPur	2	3	5	1	1	2
9	Bhakhrial	1	-	1	3	-	3
10	Bakhshiwala	-	1	1	1	-	1
11	Bareta	3	6	9	1	1	2
12	Barhe	-	1	1	1	1	2
13	Bhadra	-	-	-	-	-	-
14	Bhawa	1	-	1	-	-	-
15	Birewala Dogra	1	-	1	1	-	1
16	Biroke kalan	1	-	1	-	-	-
17	Biroke khurd	1	-	1	-	1	1
18	Boha	2	4	6	2	1	3
19	Borawal	1	1	2	1	1	2
20	Budhlada LocaL	9	12	21	5	6	11
21	Budhlada Pind	-	-	-	-	-	-
22	Chak Alisher	-	-	-	-	-	-
23	Chak Bhai Ke	1	2	3	1	-	1
24	Dariapur Kalan	1	1	2	1	-	1
25	Datewas	2	1	3	-	-	-
26	Dharmpura	2	-	2	-	-	-
27	Dodra	1	2	3	-	1	1
28	Dyalpura	2	-	2	1	-	1
29	Faridke	2	-	2	-	-	-
30	Fulluwala dod	-	-	-	-	-	-
31	Fulluwala dogra	-	1	1	-	-	-
32	Gamiwala	-	-	-	-	1	1
33	Gandu kalan	-	-	-	-	-	-
34	Gobindpura	-	-	-	-	-	-
35	Gorakhnath	-	1	1	-	-	-
36	Gurradi	2	-	2	2	1	3
37	Gurne Kalan	3	1	4	2	-	2
38	Gurne khurd	-	-	-	-	-	-
39	Hakamwala	1	-	1	1	-	1
40	Hasan pur	-	-	-	-	-	-
41	Hiron Khurd	-	1	1	-	1	1

42	Jalwehra	1	-	1	-	-	-
43	Joyan	-	-	-	1	-	1
44	Juglan	-	-	-	-	-	-
45	Kahangarh	-	-	-	-	1	1
46	Kalipur	1	-	1	2	-	2
47	Kanakwal Chehlan	1	2	3	-	-	-
48	Kashampur China	-	1	1	-	1	1
49	Khattriwala	1	-	1	1	-	1
50	Khiva Miha Singh wala	-	-	-	1	-	1
51	Khudal Kalan	-	1	1	-	1	1
52	Kishangarh	1	1	2	-	-	-
53	Kulana	1	-	1	-	-	-
54	Kulheri	-	1	1	-	1	1
55	Kulrian	5	6	11	5	2	7
56	Lakhiwal	-	1	1	-	-	-
57	Maghania	-	-	-	-	-	-
58	Malakpur Bhimra	3	1	4	-	-	-
59	Malkon	-	1	1	-	1	1
60	Mall Singh Wala	-	2	2	-	-	-
61	Mander	-	-	-	-	2	2
62	Mandhali	-	1	1	-	-	-
63	Piplian	-	-	-	-	-	-
64	Ralli	-	1	1	1	2	3
65	Ramnagar Bhatal	-	2	2	-	-	-
66	Ramgarh Dariyapur	-	1	1	1	-	1
67	Ramgarh Shapurian	1	-	1	1	-	1
68	Rampur Mander	2	-	2	-	-	-
69	Ranghrial	1	-	1	1	-	1
70	Riond kalan	1	1	2	-	-	-
71	Riond Khurd	-	-	-	-	-	-
72	Saidewala	-	-	-	-	-	-
73	Sandli	-	-	-	-	-	-
74	Sangreri	1	-	1	-	-	-
75	Saspali	-	-	-	-	-	-
76	Sati ke	-	-	-	-	-	-
77	Shekhupur Khudal	3	1	4	4	-	4
78	Sher khan Wala	-	1	1	-	-	-
79	Sirsiwala	-	-	-	-	-	-
80	Tahlian	1	-	1	-	-	-
81	Talabwala	1	-	1	1	-	1
82	Todarpur	-	-	-	-	-	-
83	Uddat Saidewala	1	1	2	1	-	1
	Total	70	71	141	44	28	72

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. Ubbah
7	RH	1	1. Phaphre Bhaike
8	SHC	16	1. Ralla, 2. Akila, 3. Dalel Singh Wala, 4. Pharwahi, 5. Bamala, 6. Khokhar Kalan, 7. Gehle, 8. Kotli Kalan, 9. Moosa, 10. Makha, 11. Hiron Kalan, 12. Jassanwal, 13. Hodla Kalan, 14. Dhalewan, 15. Khiva Kalan, 16. Mojo
9	SC	36	1. Gurthari, 2. Atla Kalan, 3. Matti, 4. Samaon, 5. Dhalewala, 6. Hiro kalan, 7. Dhapai, 8. Alisher Khurd, 9. Khiva Kalan, 10. Phaphre Bhai ke, 11. Bappiana, 12. Akila, 13. Bhupal, 14. Rarh, 15. Bhaini Bagha, 16. Moosa, 17. Thuthiawali, 18. Khokhar Kalan, 19. Kotli Kalan, 20. Sada Singh wala, 21. Malakpur, 22. Khiala Kalan, 23. Dalel Singh wala, 24. Burj Rathi, 25. Ubbah, 26. Burj Hari, 27. Burj Dhilwan, 28. Bhikhi-1, 29. Bhikhi-2, 30. Ghrangna, 31. Bamala, 32. Joga, 33. Ralla, 34. Chakerian, 35. Nangal Kalan, 36. Jawaharke.
	TOTAL	62	

Village wise Cancer Incidence and Mortality Khiala Kalan, Mansa District

Sr. No.	Village Name	Incidence 2013			Mortality 2013		
		Male	Female	Total	Male	Female	Total
1	Aklia	2	2	4	-	1	1
2	Ali Sher kalan	1	-	1	-	-	-
3	Ali Sher Khurd	-	-	-	-	-	-
4	Anoop garh	1	-	1	1	-	1
5	Aspal	1	-	1	-	-	-
6	Atla kalan	1	1	2	1	-	1
7	Atla khurd	1	1	2	-	3	3
8	Bappiana	-	-	-	1	-	1
9	Bhai desa	1	-	1	-	1	1
10	Bhaini Baga	-	4	4	1	2	3
11	Bhikhi	3	4	7	4	4	8
12	Bhupal Khurd	2	2	4	-	1	1
13	Bhupal kalan	1	-	1	-	1	1
14	Bir Khurd	-	3	3	-	2	2
15	Burj Jhabbar	-	-	-	-	-	-
16	Narinder Pura	-	-	-	-	-	-
17	Burj Dhillwan	-	-	-	1	-	1
18	Burj hari	1	2	3	-	-	-
19	Makha	-	-	-	2	-	2
20	Burj Rathi	-	1	1	1	-	1
21	Chakerian	-	-	-	-	1	1
22	Dalel Singh wala	2	-	2	-	1	1
23	Dhaipi	-	1	1	-	-	-
24	Dhalewan	-	1	1	-	1	1
25	Gagowal	-	2	2	-	2	2
26	Gharangana	-	1	1	-	1	1
27	Ghele	-	-	-	-	-	-
28	Gurthari	-	1	1	-	-	-
29	Hiron kalan	2	-	2	1	-	1
30	Hirewala	-	1	1	-	1	1
31	Hodla	1	-	1	-	1	1
32	Jawaharke	2	5	7	-	5	5
33	Jaser wala	-	-	-	-	-	-
34	Joga	3	9	12	4	4	8
35	Kallo	1	2	3	-	-	-
36	Khara	-	2	2	-	2	2
37	Barnala	-	1	1	-	-	-
38	Kharak Singh Wala	2	1	3	1	-	1
39	Khiala Kalan	3	3	6	5	4	9
40	khiala Khurd	-	1	1	-	3	3
41	Khillan	2	1	3	4	-	4
42	Khiva Dialuwala	-	-	-	-	-	-

43	Khiva Kalan	-	1	1	-	1	1
44	Khiva Khurd	-	-	-	-	-	-
45	Khokhar kalan	4	1	5	2	-	2
46	Khokhar Khurd	1	1	2	-	2	2
47	Kishangarh urf Pharwahi	-	1	1	1	1	2
48	Kot lallu	-	1	1	-	-	-
49	Kotli kalan	2	1	3	-	-	-
50	Kotra kalan	1	2	3	-	2	2
51	Man Bibrian	2	-	2	1	-	1
52	Makha Chehlan	4	4	8	2	-	2
53	Malakpur Khiala	-	-	-	1	1	2
54	Mansa kanchian	-	-	-	-	-	-
55	Mansa khurd	1	-	1	1	-	1
56	Mansa Local	11	14	25	4	5	9
57	Mojo kalan	-	-	-	-	-	-
58	Mojo khurd	-	-	-	-	-	-
59	Matti	1	-	1	1	-	1
60	Moola Singh wala	-	-	-	-	-	-
61	Mohar Singh Wala	1	2	3	-	1	1
62	Moosa	1	1	2	-	-	-
63	Nangal Kalan	6	4	10	3	2	5
64	Nangal Khurd	-	-	-	-	-	-
65	Phaphre bhaike	-	4	4	1	2	3
66	Ralla	-	3	3	1	1	2
67	Ramditte wala	2	-	2	-	-	-
68	Rarh	-	1	1	-	1	1
69	Sadda Singh wala	1	1	2	1	1	2
70	Samaon	1	1	2	-	1	1
71	Tamkot	-	2	2	-	3	3
72	Thuthianwali	-	-	-	2	1	3
	Total	72	98	170	48	68	116

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18. Annexure

Other activities of the Cancer Registry

CME on early detection of Cancer (6th April 2013)

CME program for the medical officers from the primary health centers of Sangrur and Mansa district was organized by Tata Memorial Centre at Sangrur to educate the medical officers about the early detection of cancer. In the CME a lecture on the importance of the cancer registration was given. The medical officers have agreed to provide full cooperation to the cancer registration process.

Medical officer from Sangrur and Mansa districts participated in the CME

Workshop on Cancer Registration and Cancer Control (10th – 13th October 2013)

'Workshop on Cancer Registration and Cancer Control' was organized by population based cancer registries Chandigarh, SAS Nagar, Sangrur and Mansa was held at the Bhargava Auditorium of PGIMER on 10 to 13th October, 2013. The Chief Minister of Punjab, S. Parkash Singh Badal was the Chief Guest of the function.

In his speech, the chief guest appreciated the efforts made by the collaborating institutes (TMC, Mumbai and PGIMER, Chandigarh) in executing the cancer control activities. National and international faculties conducted the lectures and the practical session. More than 50 participants from Punjab and other states of India participated.

Inaugural Function: Lighting ceremony by Honorable Chief Minister of Punjab by S Parkash Singh Badal- Workshop on Cancer Registration and Cancer Control

Cancer Awareness Programme

The cancer registry has organized the cancer awareness program followed by drawing competition on cancer and its effect on the health. In this programme near about 100 girls from the age 14 to 16 participated. This activity was helpful in raising the cancer awareness about breast, cervical, mouth and oesophagus cancer.

Cancer Awareness programme in the Government Secondary School, Mansa

Health education on cancer and drawing competition followed by prize distribution