

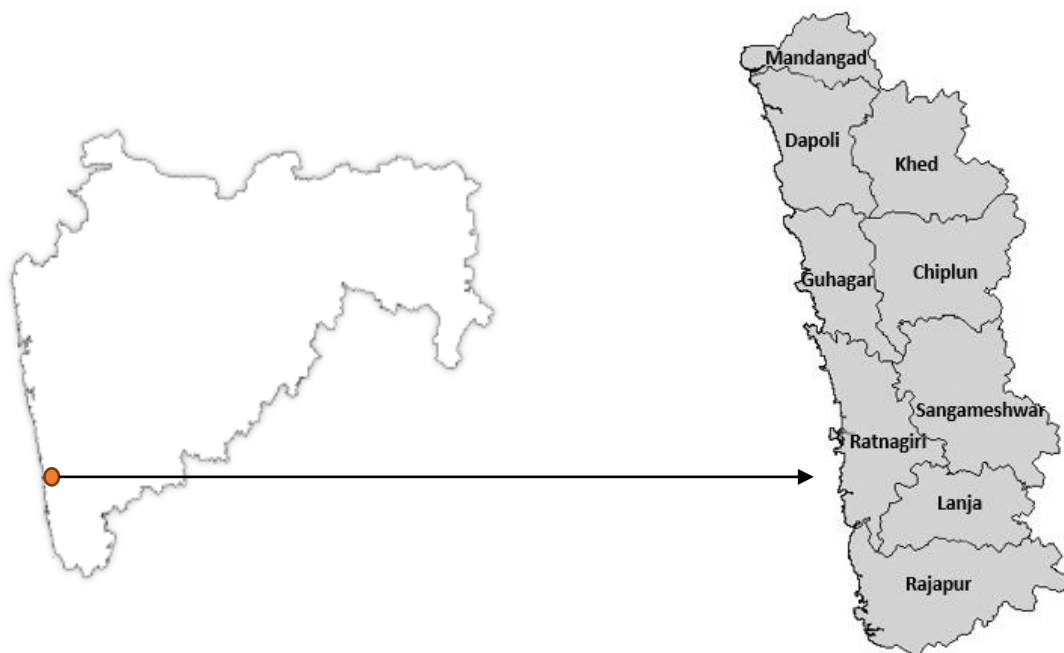


Cancer Incidence and Mortality in Ratnagiri District, Maharashtra, India: 2017-2018

Population Based Cancer Registry Report

Maharashtra State, India

Ratnagiri district, Maharashtra



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Suggested Citation:

Sarade M, Bhojne S, Lokhande D, Patil S, Patil N, Banavali S, Budukh A, Dikshit R and Badwe R, Cancer Incidence and Mortality in Ratnagiri district, Maharashtra, India (2017-2018), Tata Memorial Centre, Mumbai.

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Highlights

- ❖ Ratnagiri population-based cancer registry (PBCR) was established in the year 2009.
- ❖ The Ratnagiri PBCR covers nine talukas of the district – Chiplun, Guhagar, Lanja, Rajapur, Sangameshwar, Dapoli, Khed, Mandangad and Ratnagiri covering a population of 1,615,069.
- ❖ The registry covers both urban and rural areas including 1,537 villages of the district. More than 80% of the population is rural.
- ❖ Active methods of data collection are used i.e., the field investigators visit various sources to obtain information on diagnosis and treatment.
- ❖ Sources for incidence and mortality cases include hospitals, pathology laboratories, medical colleges, cancer control department, village visits and the birth and death registrar's office etc.
- ❖ In the year 2017-2018, the cancer registry registered 1,922 incidence cancer cases including 855 males (44.5%) and 1,067 females (55.5%).
- ❖ The age-adjusted incidence rate (AAR) for males is 50.1 per 100,000 population and for females it is 54.2 per 100,000 population.
- ❖ The cumulative risk for the age group 0-74 in males is 5.6% (1 in 18 males is at risk of developing cancer) and females, it is 5.8% (1 in 17 females is at risk of developing cancer).
- ❖ In the year 2017-2018, 1,097 cancer deaths were registered, including 520 (47.4%) deaths in males and 577 (52.6%) deaths in females.
- ❖ The age-adjusted mortality rate for males is 29.3 per 100,000 population and for females is 27.2 per 100,000 population.
- ❖ The cumulative risk for the age group 0-74 in males is 3.3% (1 in 30 males is at risk of death due to cancer) and females, it is 3.1% (1 in 33 females is at risk of death due to cancer).
- ❖ In males, mouth cancer shows the highest incidence rate (AAR 11.3), followed by oesophagus and tongue cancer.
- ❖ In females, breast shows the highest incidence rate (AAR 13.5) followed by mouth and cervix uteri cancer.

- ❖ The age-adjusted incidence rate for the paediatric age group (0-14) was 88.3 per million for boys and 79.8 per million for girls.
- ❖ Out of 855 male cases 761 cases (89.0%) were diagnosed by microscopic verification, and 38 cases in males (4.4%) were registered by DCO/Others.
- ❖ In females, out of 1,067 cases, 957 cases (89.7%) diagnosed by microscopic verification, and 34 cases (3.2%) by DCO/Others.
- ❖ In Ratnagiri, 50.4% of all cancers in males (1 out of 2 cancer cases) is tobacco-related and 24.1% of all cancers in females (1 out of 4 cancer cases) is tobacco-related.
- ❖ The leading site in tobacco-related cancer among both sexes are: mouth, oesophagus, tongue, lung and hypopharynx.
- ❖ Most cases in males involved sites from Head and Neck (39.9%; AAR 19.3 per 100,000), followed by the digestive tract organs (22.5%; AAR 10.9 per 100,000).
- ❖ In Females, most cases were involved by cancers of the breast (25.0%; AAR 13.5 per 100,000), followed by the female genital organs (20.1%; AAR 10.7 per 100,000) and Head and Neck (18.4%; AAR 9.5 per 100,000).
- ❖ The Department of Medical Records and Cancer Registry presented research posters in the International Association of Cancer Registries virtual conference in the years 2021 and 2022.
- ❖ The registry's data was used for a quality assessment exercise by a MPH student of TMC. The findings were presented as a dissertation thesis under the title "Data Quality Assessment of a Population Based Cancer Registry at Ratnagiri, Maharashtra, India." to Homi Bhabha National Institute in September 2023 for partial fulfilment of Master of Science in Public Health and Epidemiology degree.

Executive Summary

Background

Tata Memorial Centre (TMC), Tata Memorial Hospital (TMH), Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), and Centre for Cancer Epidemiology (CCE) is a Grand-in-aid institution under the administrative control of Department of Atomic Energy, Government of India. Tata Memorial Hospital (TMH), Mumbai, India, is a comprehensive centre for diagnosis, treatment, research and education in cancer. A Tata Memorial Outreach Programme was started in the Ratnagiri district in collaboration with BKL Walawalkar Hospital, Dervan in August 2003. The screening program was primarily aimed to screen for detection of head and neck, breast and cervix cancers. Since this screening was an ongoing service-oriented activity, it was necessary to follow-up these cases. Thus, under these circumstances, it was proposed to initiate and set up the population-based cancer registry in the Ratnagiri district. Also, due to the fact that there was no cancer statistics available from the Ratnagiri district. Hence, establishing a cancer registry was essential and therefore, cancer registry was established in February 2009. The following report is for the year 2017-2018.

Population Covered

The Ratnagiri population-based cancer registry (PBCR) covers nine talukas of the district – Chiplun, Guhagar, Lanja, Rajapur, Sangameshwar, Dapoli, Khed, Mandangad and Ratnagiri covering a population of 1,615,069. The registry covers urban areas as well as 1,537 villages of the district. More than 80% of the population of the district is rural.

Registration Method

Cancer registration is active, which means that the field investigators have to visit the various sources to obtain information on diagnosis and treatment. Regularly visit the villages, hospitals, pathology laboratories, medical colleges, cancer control department and the birth and death register office etc. sources to collect cancer incidence and death cases. The registry staff interacts with village sarpanch, Auxiliary Nurse Midwife (ANM), Accredited Social Health Activist (ASHA) worker and primary health centre staff periodically to know the cancer cases diagnosed in the area and cancer deaths that have occurred in the village. The residence of cancer patient (at least one-year resident of Ratnagiri district) is confirmed by house visit or telephonic conversation by registry staff

and after duplicate checking by the staff, the case is registered in the prescribed format. The data entry is carried out in *CanReg5* software. Due to continuous interaction with the field staff and telephonic contact, we could also update the survival status of the cancer patients. Cancer patients visit nearby districts for cancer investigation and further treatment at Tata Memorial Hospital, Mumbai as well as other hospitals (Govt and Private), Kolhapur Oncology Center, Kolhapur, Siddhivinayak Hospital, Miraj and Krishna Institute of Medical Sciences, Karad.

Results

This report is based on the Ratnagiri population-based cancer registry results for the years 2017 and 2018. In the year 2017-2018, the cancer registry registered 1,922 incidence cancer cases including 855 males (44.5%) and 1,067 females (55.5%). The age-adjusted incidence rate for males is 50.1 per 100,000 populations and for females it is 54.2 per 100,000 population. The cumulative risk for the age group 0-74 in males is 5.6% (1 in 18 males are at risk of developing cancer) and for females, it is 5.8% (1 in 17 females are at risk of developing cancer).

In the year 2017-2018, the cancer registry recorded 1,097 cancer deaths including 520 death (47.4%) in males and 577 deaths (52.6%) in females. The age-adjusted mortality rate for males is 29.3 per 100,000 populations and for females is 27.2 per 100,000 populations. The cumulative risk for the age group 0-74 in males is 3.3% (1 in 30 males are at risk of death due to cancer) and females, it is 3.1% (1 in 33 females is at risk of death due to cancer).

Leading Cancer Sites in Males

The ten leading sites of cancer in Ratnagiri district for year 2017-2018 is as follows; in males, mouth cancer shows the highest incidence rate (AAR 11.3), followed by oesophagus and tongue cancer. In females, breast shows the highest incidence rate (AAR 13.5) followed by mouth and cervix uteri cancer. The leading cancer sites are mentioned in Table I and II.

Table I: Leading Cancer Sites in Males

ICD10	Site	Number	%	CR	AAR	TR
C03-C06	Mouth	197	23.0	13.9	11.3	28.2
C15	Oesophagus	55	6.4	3.9	3.1	7.5
C01-C02	Tongue	54	6.3	3.8	3.1	7.5
C33-C34	Trachea, bronchus and lung	49	5.7	3.5	2.8	6.7
C16	Stomach	45	5.3	3.2	2.6	5.8
C82-C86, C96	Non-Hodgkin lymphoma	31	3.6	2.2	2.0	3.4
C70-C72	Brain, Nervous System	24	2.8	1.7	2.0	1.6
C61	Prostate	35	4.1	2.5	1.8	3.0
C19-C20	Rectum	26	3.0	1.8	1.5	2.2
C12-C13	Hypopharynx	24	2.8	1.7	1.3	2.9

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

Table II: Leading Cancer Sites in Females

ICD10	Site	Number	%	CR	AAR	TR
C50	Breast	267	25.0	17.2	13.5	35.0
C03-C06	Mouth	108	10.1	7.0	5.2	14.1
C53	Cervix Uteri	97	9.1	6.2	4.7	12.5
C56	Ovary	78	7.3	5.0	4.0	10.9
C15	Oesophagus	55	5.2	3.5	2.5	5.7
C54	Corpus Uteri	34	3.2	2.2	1.7	4.3
C33-C34	Trachea, bronchus and lung	31	2.9	2.0	1.5	3.2
C01-C02	Tongue	31	2.9	2.0	1.4	3.6
C82-C86, C96	Non-Hodgkin lymphoma	22	2.1	1.4	1.3	2.6
C19-C20	Rectum	25	2.3	1.6	1.1	2.6

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

Comparison of Cancer Registry Rate with Other Registries in India

As compared with the other parts of the India, cancer incidence rate is lower and comparable with other parts of rural India.

Figure I: All Sites Cancer Incidence Rate –Males

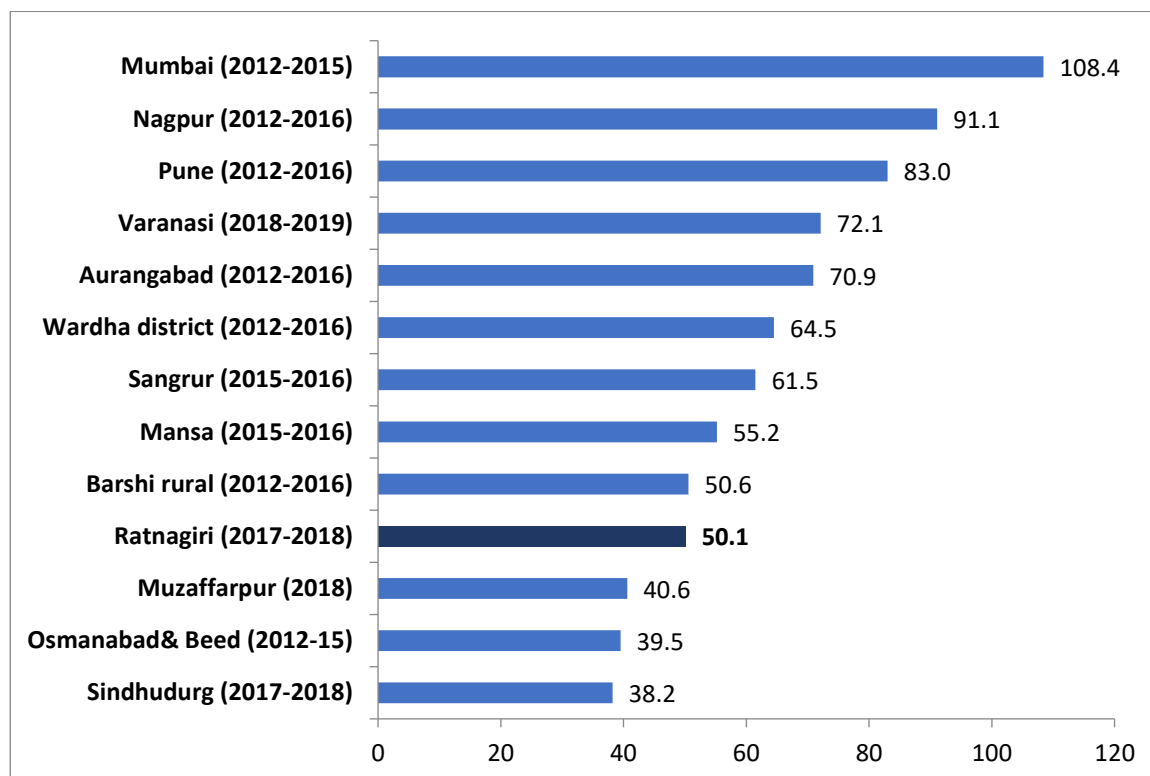
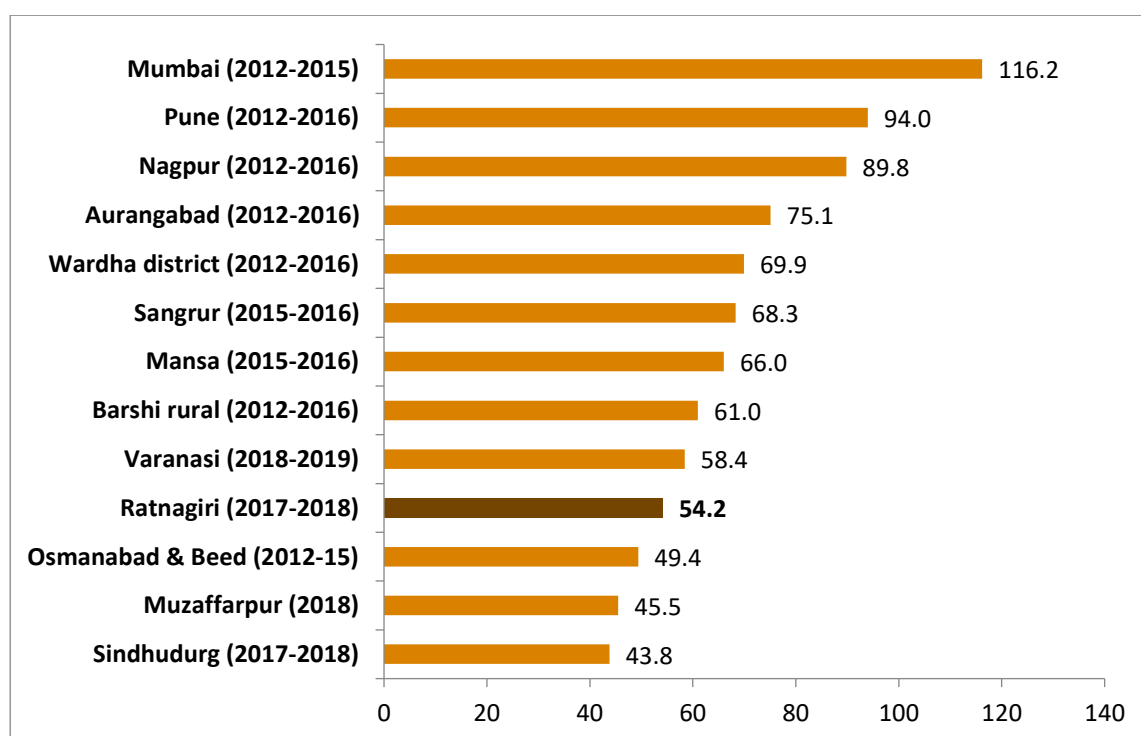


Figure II: All Sites Cancer Incidence Rate – Females

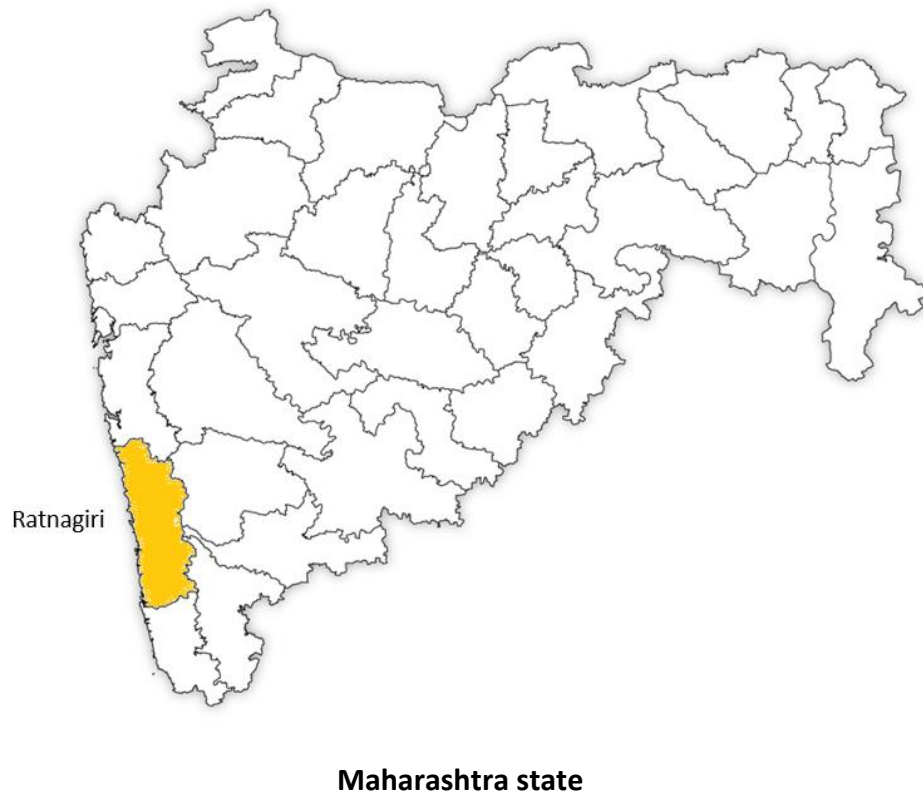


1. Maharashtra State Profile

Maharashtra state is in the western peninsular region of India. It is bounded by the Indian states of Gujarat to the northwest, Madhya Pradesh to the north, Chhattisgarh to the east, Telangana to the southeast, Karnataka to the south, and Goa to the southwest and by the union territory of Dadra and Nagar Haveli and the Arabian Sea to the west. Maharashtra with a total area of 307,713 km² is the third-largest state by area in terms of land area and constitutes 9.36 % of India's total geographical area [1].

As per the Census 2011, the total population of Maharashtra is 11.24 Cr [1]. The state capital being Mumbai, the most populous urban area in India and Nagpur serving as the winter capital. Maharashtra is divided into five geographic regions. Konkan is the western coastal region, between the Western Ghats and the sea. It was formed on 1st May 1960. The state is divided into 6 divisions and 36 districts, 109 sub-divisions, and 358 talukas. Out of the total cultivable land in the state, about 60 % is used for grain crops in the Deccan region, especially rice in coastal Konkan and other high rainfall areas.

Thus, the population of Maharashtra forms 9.28 % of India in 2011. The population density of Maharashtra is 365 per square km which is lower than national average 382 per square km. Maharashtra is the second –most populous state in India. The 2011 census for the state found 55% of the population to be rural with 45% being urban-based. The total literacy rate of Maharashtra is 82.34%, which is greater than average literacy rate 72.98% of India.

Figure 1: Location of Ratnagiri District, Maharashtra**Table 1: Maharashtra State Population, Literacy and Area**

Sr. No.	Characteristics	Unit	Value
	Area		307,713
1	(a) Rural Area	km2	298,619.45
	(b) Urban Area	Km2	9,093.55
2	District	Number	36
3	Talukas	Number	355
	Total Population (Census 2011)		112,374,333
4	(a) Rural Population	Lakh	61556074
	(b) Urban Population	Lakh	50818259
5	Population Density	density/km2	365
6	Female per 1000 Male	Number	929
7	Literacy Rate	%	82.34%

2. Ratnagiri District Profile

Ratnagiri was an administrative capital under the Sultanate of Bijapur. A fort built by the Bijapur Sultanate, reconstructed by the Maratha King Shivaji in 1670, is located on a headland near the harbor. In 1731, Ratnagiri came under the control of the Kingdom of Satara and in 1818, it was annexed into British India. The district is bounded by the Arabian Sea to the west, Sindhudurg district to the south, Raigad district to the north and Satara, Sangli and Kolhapur districts to the east. As per Census 2011 of India, Ratnagiri district ranks 28th in Maharashtra with a population of 1,615,069. This is 1.4% of the total population 112,374,333 of Maharashtra state [1].

Figure 2: Location of Population-Based Cancer Registry Ratnagiri District, Maharashtra



Ratnagiri District

Table 2: Ratnagiri Population, Literacy and Area

Sr. No.	Characteristics	Unit	Value
	Area		8208
1	Rural Area	km2	8089.83
	Urban Area		118.17
2	District	Number	28
3	Talukas	Number	9
	Total Population (Census 2011)		1615069
4	Rural Population	Lakh	1351346
	Urban Population		263723
5	Density	density/km2	197
6	Female per 1000 Male	Number	1122
7	Literacy Rate	%	82.18

Table 3: Talukas in Ratnagiri District

Taluka	Number of Villages
Chiplun	165
Guhagar	121
Lanja	122
Rajapur	238
Sangameshwar	198
Dapoli	173
Khed	215
Mandangad	109
Ratnagiri	196
Total	1,537

Health Infrastructure of Ratnagiri District

Ratnagiri district has One Civil Hospital and three sub-district hospitals with basic diagnostic facility. The district has 8 Rural Hospitals (RH), 1 Urban primary health center (UPHC), 67 Primary health centers (PHC), 363 Primary Health Sub-Centres (PHSC).

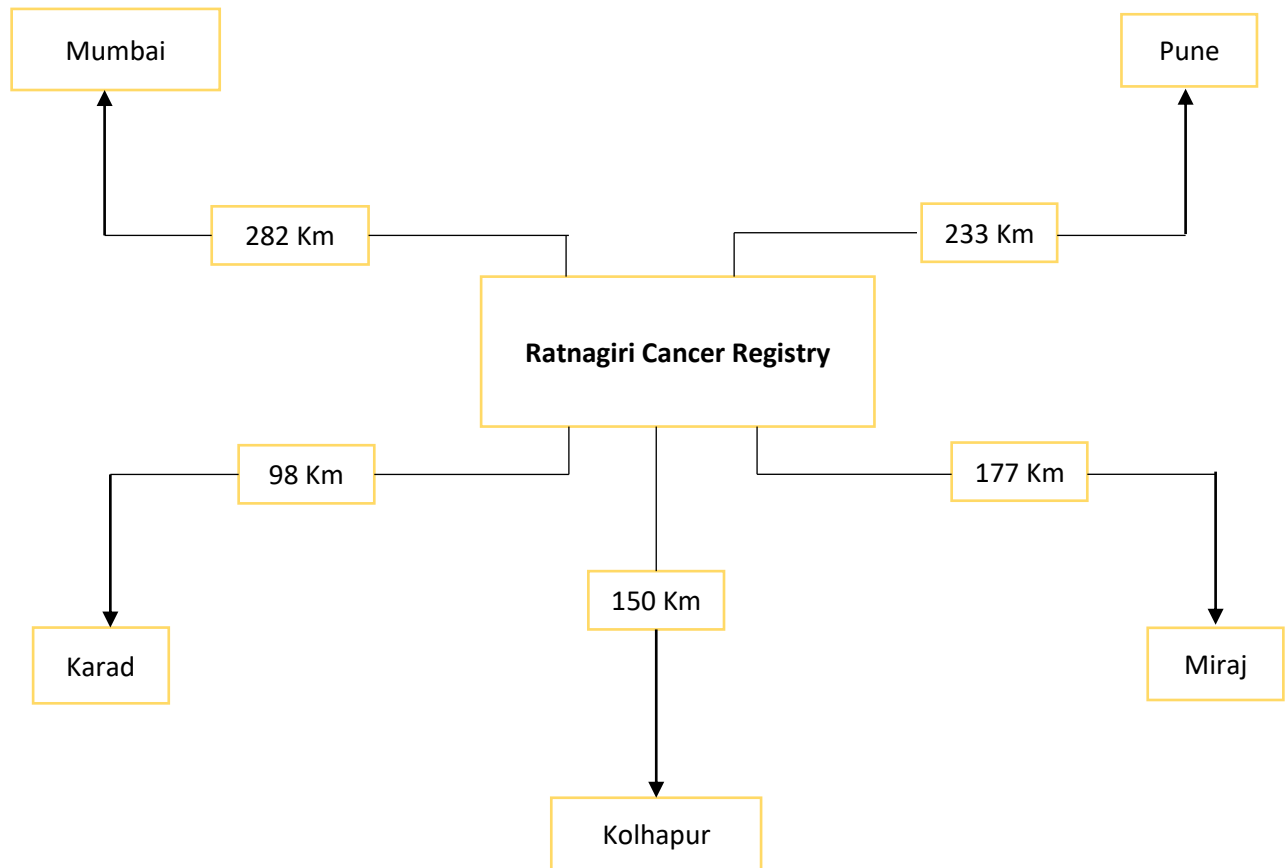
Table 4: Major Health Facilities in Ratnagiri District

Sr. No.	Institute	Number
1	Civil Hospital	1
2	Sub-District Hospital (SDH)	3
3	Rural Hospital (RH)	8
4	Urban Primary Health Centre (UPHC)	1
5	Primary Health Centre (PHC)	67
6	Primary Health Sub-Centre (PHSC)	363
Total		443

Cancer diagnosis and treatment facility in some private hospitals and pathology labs are available in the district. Some patients visit nearby districts Miraj, Kolhapur, Karad and Mumbai for further investigation and treatment of cancer.

Mahatma Jyotiba Phule Jan Arogya Yojana (MJPJAY) and Ayushman Bharat- Pradhan Mantri Jan Arogya Yojana (PM-JAY) card provide health cover for cancer-based treatments. These schemes are very useful to the below poverty level community (BPL) for cancer diagnosis and treatment.

Figure 3: Distance from Ratnagiri to the various Diagnosis and Treatment Centres shown below



3. Population Covered by Cancer Registry

As per the 2011 census, the total population of Ratnagiri district is 1,615,069. Of the total population, 1,351,346 (83.7%) is rural and 263,723 (16.3%) is urban. Of the total population, 47.1% are males and 52.8% are females. The population as per the 2011 census is mentioned in Table 5.

Table 5: Ratnagiri district population as per census 2011

Area	No of Households	Total	Male	Female
Rural	335,318	1,351,346	630,213	721,133
Urban	61,797	263,723	130,908	132,815
Total	397,115	1,615,069	761,121	853,948

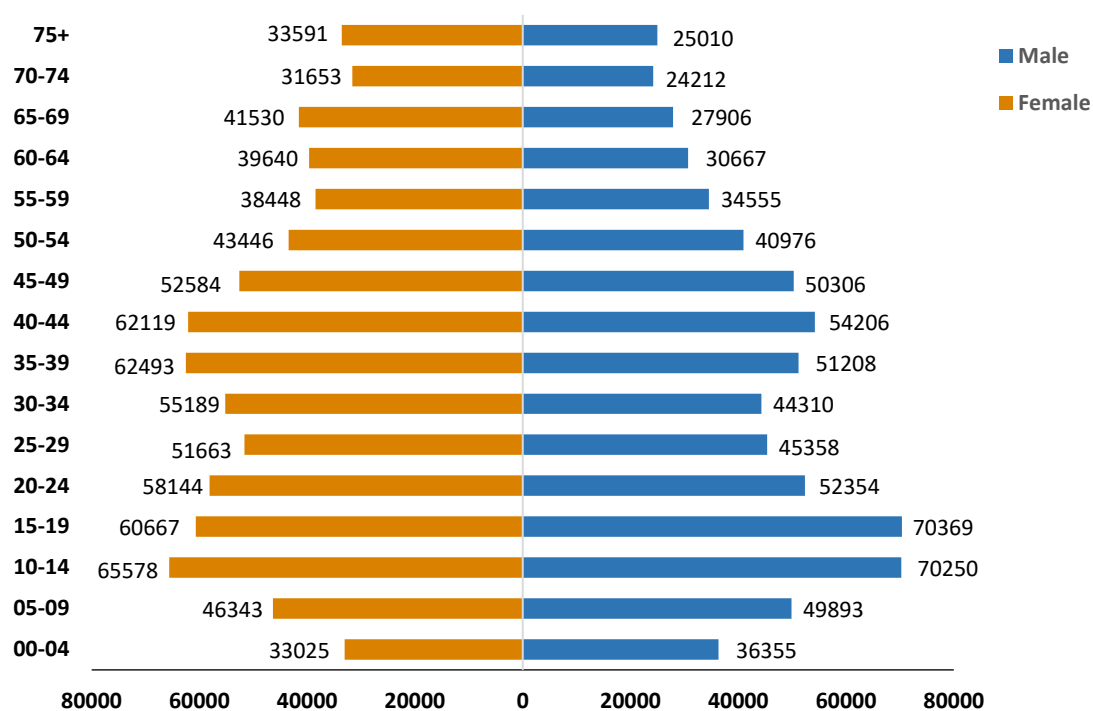
Estimated population of Ratnagiri district: 2017-2018

The registry population for 2017 - 2018 was estimated by the exponential growth rate using the growth rate from 2001 to 2011 census population. For 2017-2018, the population is 1,484,048 in which 707,935 males (47.7%) and 776,113 females (52.3%). The estimated average population for 2017-2018 is presented in Table 6. The population pyramid of the Ratnagiri district is shown in figure 4.

Table 6: Average estimated Population of Ratnagiri District 2017-2018

Age group	Male	%	Female	%	Total	%
00-04	36355	5.1	33025	4.3	69380	4.7
05-09	49893	7.0	46343	6.0	96236	6.5
10-14	70250	9.9	65578	8.4	135828	9.2
15-19	70369	9.9	60667	7.8	131036	8.8
20-24	52354	7.4	58144	7.5	110498	7.4
25-29	45358	6.4	51663	6.7	97021	6.5
30-34	44310	6.3	55189	7.1	99499	6.7
35-39	51208	7.2	62493	8.1	113701	7.7
40-44	54206	7.7	62119	8.0	116325	7.8
45-49	50306	7.1	52584	6.8	102890	6.9
50-54	40976	5.8	43446	5.6	84422	5.7
55-59	34555	4.9	38448	5.0	73003	4.9
60-64	30667	4.3	39640	5.1	70307	4.7
65-69	27906	3.9	41530	5.4	69436	4.7
70-74	24212	3.4	31653	4.1	55865	3.8
75+	25010	3.5	33591	4.3	58601	3.9
Total	707935	100.0	776113	100.0	1484048	100.0

Figure 4: Population pyramid of Ratnagiri district (2017-2018)



The following table enlists taluka wise numbers of incident and mortality cases.

Table 7: Taluka wise Incidence and Mortality

Taluka	Incidence cases	Mortality cases
Chiplun	355	218
Guhagar	157	92
Lanja	149	132
Rajapur	203	137
Sangameshwar	215	93
Dapoli	231	132
Khed	169	89
Mandangad	55	26
Ratnagiri	388	178
Total	1922	1097

4. Cancer Registration Method

Staff Selection and Training

The field supervisor, field investigators and data entry operator were selected from the local area and they were trained in cancer registry operation at the Centre for Cancer Epidemiology, Tata Memorial Centre, Mumbai. To observe the working of the recruited cancer registry staff at BKL Walawalkar Hospital, Dervan, periodically, training programs were conducted by the CCE staff.

Cancer Incidence Cases

As an initial step of cancer registration, the field investigator visits the various sources to obtain information on cancer diagnosis and treatment. The sources include various hospitals, pathology laboratories, radiological centers, village panchayats, private doctors, Anganwadi workers, primary health care centers and non-governmental organizations (NGOs) etc. Many of the cases, who are residents of Ratnagiri district, visit Tata Memorial Hospital (TMH), Mumbai for diagnosis and treatment. For such cases, variables such as name, address, diagnosis, clinical notes etc. are matched and information is abstracted accordingly from TMH database for the Ratnagiri population-based cancer registry.

There are other cases that visit other hospitals in Mumbai, both private and government hospitals. Besides, cases also attend BKL Walawalkar hospital, Dervan for cancer care, since it is established as a comprehensive cancer centre with all facilities for diagnosis and treatment. TMH has collaborated with the BKL Walawalkar Hospital for a large outreach screening program for common cancers as mentioned earlier, due to which, a large population base has been utilizing this opportunity to seek cancer diagnosis and treatment.

As per the information provided by the patient/patient's relative, the field investigator communicates with the treating cancer centre, collects the clinical details of the patient and registers the cancer case in the prescribed proforma. In case of inaccessibility to the medical records of the patient, staff registers the case based on the information provided by the patient/ patient's relatives.

During the second visit, the field investigator updates the status of the cancer cases, also identifies any new cancer cases/deaths in the village and repeats the same

procedure mentioned above. This is the process of village visits and is conducted periodically.

Cancer Death Cases

During the village visit, the field investigator enquires about cancer deaths that have occurred in the village and also collects the death case information from the village panchayat death register as well as birth and death registrar's office. In the same manner as the cancer incidence cases, the field investigator interacts with the patient's relative and collects information regarding cancer death. Based on the information provided by the relatives and by matching the information with medical records available in the cancer registry, the cancer death is registered.

Cancer Prevalent Cases

During the field visit, investigators get prevalent cases. Field staff collect their information and maintain it in the registry office and follow up to check the status of the patient.

Residence Confirmation

Since the registry data is dependent on geographical boundaries of any specified population, residence confirmation is required in the PBCR. Residence confirmation is done either by doing the house visit on given address or through the telephone numbers, if available. During the house visit, field staff check the diagnostic information and also try to get treatment and follow up information of the patient. During the Covid-19 pandemic, passive follow up was done by telephonic means. Field investigator visits cancer cases every 6 months.

Cancer Registration

As per the international guidelines and reporting by the population-based cancer registries, the cases registered in the Ratnagiri cancer registry are based on the following criteria.

Inclusion criteria

Only malignant cases.

Resident of Ratnagiri District at least for one year.

Exclusion criteria

All suspicious and Non- cancer cases.

Those who are not resident of Ratnagiri District

Data Checking

All the cases collected by field investigator from the villages, wards, diagnostic centres as well as from the cancer treating hospital scrutinized by the CCE staff. After residence confirmation, the cancer case information is documented in a prescribed format. The primary site and histology are coded based on the International Classification of Diseases for Oncology –Third Edition, Geneva, 2000 (ICD-O3). The TMH (CCE) staff checks all the data and ICD coding as well the difficult cases were discussed with the clinician/pathologist. CCE-TMC team regularly visits the project office for quality control.

Duplicate Checks

Checking duplicates by comparing various fields like name, address, sex, age and cancer site.

There are two methods to find out the duplicates.

Manual Method – Using the index card

Electronic Method – Using the software (Electronic Medical Record)

Data Entry

The data entry is carried out in CanReg5 software developed by the International Agency for Research on Cancer (IARC), Lyon, France [10].

After duplicate checking and other quality measures, the cancer incidence and death cases registered. The registration process of the registry is presented in figure 5.

Cancer Cases Data Collection from Different Sources

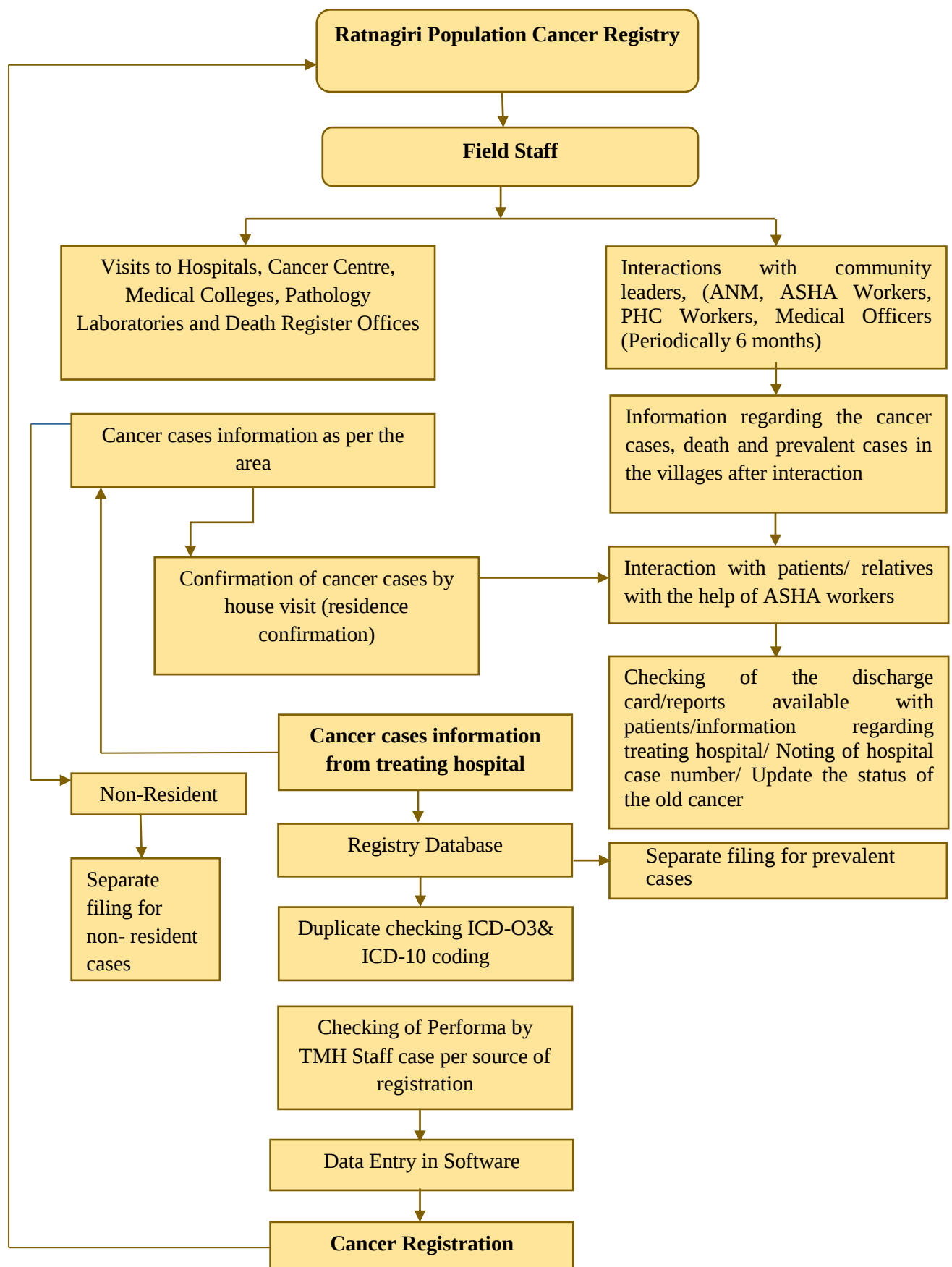
The registry staff regularly visit the following centres to collect information on the cancer cases and death cases of Ratnagiri district.

Table 8: Different Sources of Data Collection

Sr. No.	Institution Name	Place
1	Tata Memorial Hospital	Mumbai
2	King Edward Memorial Hospital	Mumbai
3	Sir Janshedjee Jeejeebhoy Hospital	Mumbai
4	Lokmanya Tilak Municipal Medical College Hospital	Mumbai
5	Prince Ally Khan	Mumbai
6	S L Raheja Hospital	Mumbai
7	Holy Family Hospital Bandra	Mumbai
8	B. Y. L. Nair Charitable Hospital	Mumbai
9	Nanavati Hospital	Mumbai
10	Cooper Hospital	Mumbai
11	Bombay Hospital	Mumbai
12	P. D. Hinduja Hospital	Mumbai
13	St. George Hospital	Mumbai
14	Bai Jerbai Wadia Hospital	Mumbai
15	Seven Hills Hospital	Mumbai
16	Jupitar Hospital	Mumbai
17	Poddar Hospital	Mumbai
18	Candes Path Lab	Mumbai
19	BKL Walawalkar Hospital	Dervan, Ratnagiri
20	Pilankar Path Lab/ Mediceck	Ratnagiri
21	Swaroop Path Lab/ Dr. Leena Patwardhan	Ratnagiri
22	Palkar Nursing Home	Ratnagiri
23	Civil Hospital	Ratnagiri
24	Shraddha Path Lab/ Dr. Shrikhande	Ratnagiri
25	Bidikar Hospital	Ratnagiri
26	Dr. Muneer Mhaskar	Ratnagiri
27	Nupur Diagnostic/ Dr. Anagha Ghag	Ratnagiri
28	Dr. Arun Nalawade, ENT Surgeon	Ratnagiri
29	Sanjivani Hospital (Dr Prabhudesai)	Ratnagiri
30	Dr. Manoj Manchekar	Ratnagiri
31	Dr. Sunil Gogate	Ratnagiri
32	Parkar Hospital	Ratnagiri
33	Chirayu Hospital	Ratnagiri
34	Nishkarsh Diagnostics	Ratnagiri
35	Non-Communicable Diseases Centre	Ratnagiri
36	Dr. Ghanekar Cancer Hospital	Chiplun
37	Aarogyam Lab/ Dr. Ganapatye	Chiplun
38	Patankar Nursing Home	Chiplun
39	Dr. Reelkar Shraddha Hospital - Maternity & Gynaec	Chiplun
40	Dr. Garud Hospital	Chiplun
41	Life Care Hospital (Onco-Life care Cancer Centre)	Chiplun

42	Dr. Bhagwat Hospital	Dapoli
43	Dr. Bhatkar Hospital	Dapoli
44	Dr. Sarguru Hospital	Dapoli
45	Sure Path Lab & Diagnostic Centre	Kankavli
46	Krishna Institute of Medical Sciences	Karad
47	Modern Path Lab	Khed
48	Kolhapur Oncology Center	Kolhapur
49	Shri Mangesh Path Lab	Kolhapur
50	Aster Aadhar Hospital	Kolhapur
51	Siddhivinayak Hospital	Miraj
52	Mahatma Gandhi Hospital	Miraj
53	Deenanath Mangeshkar Hospital	Pune
54	Poona Hospital	Pune
55	Oncosight Path Lab	Pune

Figure 5: Cancer Registration Method



5. 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 2017-2018, 1,922 incidence cancer cases (855 males and 1067 females) have been registered by PBCR, Ratnagiri. For the same period, 1097 cancer deaths have been registered (520 males and 577 females). The overall mortality to incidence (MI) ratio, calculated by rates 0.57 (57%), for males 0.61 (61.2%) and for females 0.54 (54%).

Re-Abstraction of the Cases

A quality control exercise was carried out for the improvement of the records and to retrain the staff, if required. The CCE-TMC team checked all cancer case data. During the quality control exercise, it was observed to retrain the registry staff in the abstraction of cases of the primary site unknown, metastatic and lymphoma leukaemia. Based on the results, the staff was re-trained by CCE-TMC, Mumbai. The data was modified and re-entered.

Incidence Rates of Childhood Cancers

In the year 2017-2018, PBCR has registered cancer cases 23 in boys and 20 in girls. The age-specific rates reported the paediatric cancers are mentioned in table 9.

Table 9: Incidence Rate of Paediatric Cancer Cases in Ratnagiri district: 2017-2018

Age Group	Boys		Girls	
	Number of Cases	Age-Specific Rate	Number of Cases	Age-specific Rate
00-04	10	137.5	8	121.1
05-09	7	70.2	5	53.9
10-14	6	42.7	7	53.4
Age Adjusted Rate per 1,000,000 (AAR per million)		88.3	79.8	

The age-adjusted incidence rate for the paediatric age group (0-14) was 88.3 per million for boys and 79.8 per million for girls.

The microscopic confirmation was 100% in boys and 90.0% in girls.

Microscopic verification of the cases

In the year 2017-2018, out of 855 male cases, 761 cases (89.0%) were diagnosed with microscopic verification, (2.0%) of cases were diagnosed based on radiological findings

and (4.2%) of cases were diagnosed clinically. In females, out of 1,067 cases, we have 957 cases (89.7%) diagnosed with microscopic verification, (2.0%) of cases were diagnosed on radiological findings and (4.9%) of cases were diagnosed clinically. Most of the other and unspecified cases were cases of metastatic lymph node, primary site unknown diagnosed by microscopic and radiological diagnosis

Death Certificate Only Cases (DCO)

We have registered 38 cases in males (4.4%) and 34 cases in females (3.2%) under the DCO/Others. Most of the death cases have been registered collect information from the CHEST Project, TMC database. Training was provided about how to collect verbal autopsy form information from relative remarks/discharge summary available with the patients relative.

6. Cancer Cases Registered by Source of Registration

First Source of Information

Tata Memorial Hospital, Mumbai served as a primary source of information for identifying newly diagnosed cancer cases followed by BKL Walawalkar Hospital, Dervan. More than 45% of incidence cases are registered from TMH as the first source of information. The cancer incidence cases registered by the source of registration are mentioned in Table 10.

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

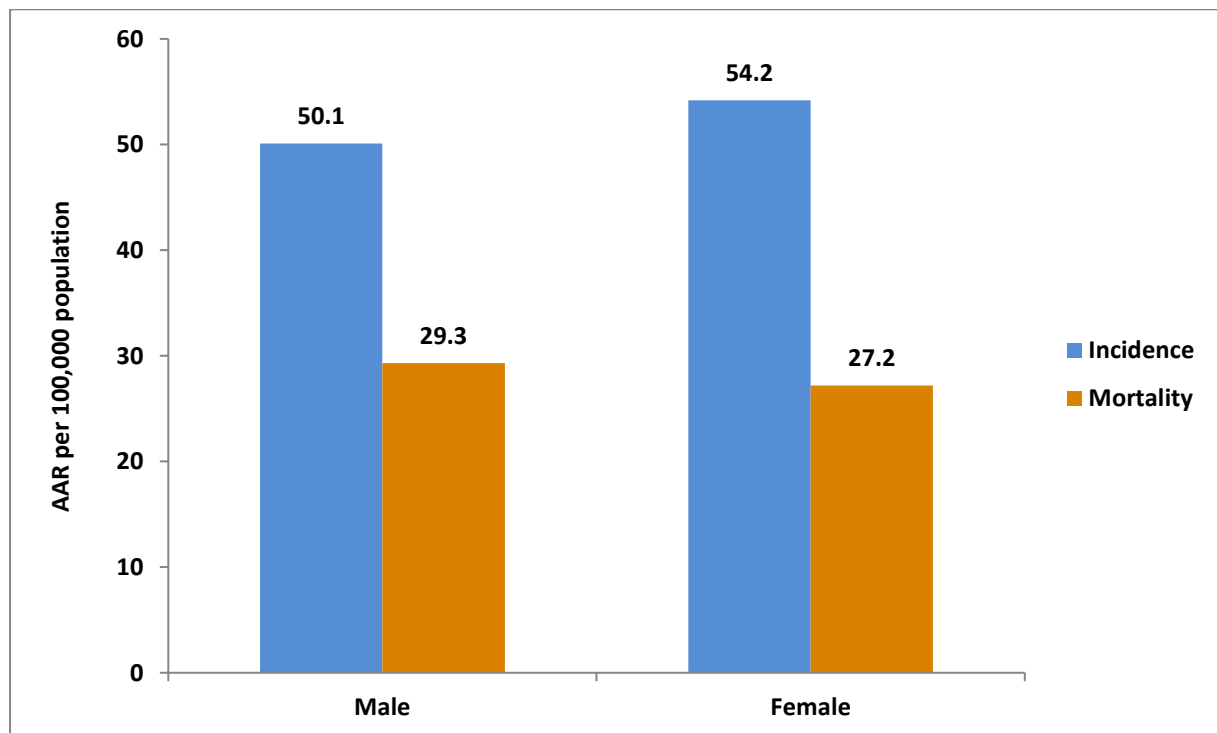
Sr. No.	Source	Male	%	Female	%	Total	%
1	Tata Memorial Hospital, Mumbai	351	41.1	503	47.1	854	44.4
2	BKL Walawalkar Hospital, Dervan, Ratnagiri	257	30.1	280	26.2	537	27.9
3	TMCROP Screening, Ratnagiri	-	-	1	0.1	1	0.1
4	TMC Chest, Ratnagiri	39	4.6	41	3.8	80	4.2
5	Primary Health Centre	-	-	1	0.1	1	0.1
6	Aanganwadi	3	0.4	2	0.2	5	0.3
7	Dr. Ghanekar Cancer Hospital, Chiplun	55	6.4	67	6.3	122	6.3
8	Siddhivinayak Hospital, Miraj	46	5.4	42	3.9	88	4.6
9	King Edward Memorial Hospital, Mumbai	4	0.5	1	0.1	5	0.3
10	Pilankar Path Lab/ Mediceck, Ratnagiri	-	-	2	0.2	2	0.1
11	Private Doctor/ Nursing Home	-	-	2	0.2	2	0.1
12	Civil Hospital, Ratnagiri	3	0.4	2	0.2	5	0.3
13	Sir Janshedjee Jeejeebhoy Hospital, Mumbai	1	0.1	-	-	1	0.1
14	Sion Hospital, Mumbai	-	-	1	0.1	1	0.1
15	Aarogyam Path Lab/ Dr. Ganapatye, Chiplun	12	1.4	13	1.2	25	1.3
16	Shraddha Path Lab/ Dr. Shrikhande, Ratnagiri	2	0.2	3	0.3	5	0.3
17	Prince Ally Khan, Mumbai	1	0.1	4	0.4	5	0.3
18	Raheja Hospital, Mumbai	3	0.4	2	0.2	5	0.3
19	Kolhapur Oncology Center, Kolhapur	21	2.5	34	3.2	55	2.9
20	Nair Hospital, Mumbai	2	0.2	7	0.7	9	0.5
21	Hinduja Hospital, Mumbai	2	0.2	1	0.1	3	0.2
22	Others	21	2.5	19	1.8	40	2.1
23	Dr Arun Nalawade, ENT Surgeon, Ratnagiri	7	0.8	3	0.3	10	0.5
24	Life Care Hospital, Chiplun	4	0.5	3	0.3	7	0.4
25	Krishna Institute of Medical Sciences, Karad	6	0.7	11	1.0	17	0.9
26	Seven Hills Hospital, Andheri	6	0.7	6	0.6	12	0.6
27	Parkar Hospital, Ratnagiri	1	0.1	-	-	1	0.1
28	Chirayu Hospital, Ratnagiri	-	-	1	0.1	1	0.1
29	Nishkarsh Diagnostics, Ratnagiri	-	-	1	0.1	1	0.1
30	NCD Centre	6	0.7	8	0.7	14	0.7
31	Death Registrar Office, Ratnagiri	2	0.2	2	0.2	4	0.2
32	SRL Diagnostic Centre	-	-	1	0.1	1	0.1
33	Aster Aadhar Hospital, Kolhapur	-	-	1	0.1	1	0.1
34	Modern Path Lab, Khed	-	-	2	0.2	2	0.1
Total		855	100.0	1067	100.0	1922	100.0

7. Cancer Incidence and Mortality: All Sites

In the year 2017-2018, the cancer registry registered 1,922 cancer cases. There were 855 male (44.5 %) cases and 1,067 female (55.5 %) cases. The age adjusted incidence rate for males was 50.1 per 100,000 populations and for females; it was 54.2 per 100,000 populations.

In the year 2017-2018 the cancer registry registered 1,097 cancer deaths of which 520 were male (47.4 %) deaths and 577 were female (52.6 %) deaths. The age-adjusted mortality rate for males was 29.3 per 100,000 populations and for females; it was 27.2 per 100,000 populations. The cancer incidence and mortality rates for all sites for males and females are presented in Figure 6.

Figure 6: All Sites Cancer Incidence and Mortality Rate by Sex: 2017-2018



8. Leading Cancer Sites by Sex

In Males, Mouth, Oesophagus, Tongue, Lung, Stomach, NHL, Brain NS, Prostate, Rectum and Hypopharynx are leading cancer sites. The top ten leading cancer site in males are presented in Figure 7. In Females, Breast, Mouth, Cervix Uteri, Ovary etc, Oesophagus, Corpus Uteri, Lung, Tongue, NHL and Rectum are leading cancer sites. The top ten leading cancer site in females are presented in Figure 8.

Figure 7: Leading Cancer sites in Males 2017-2018

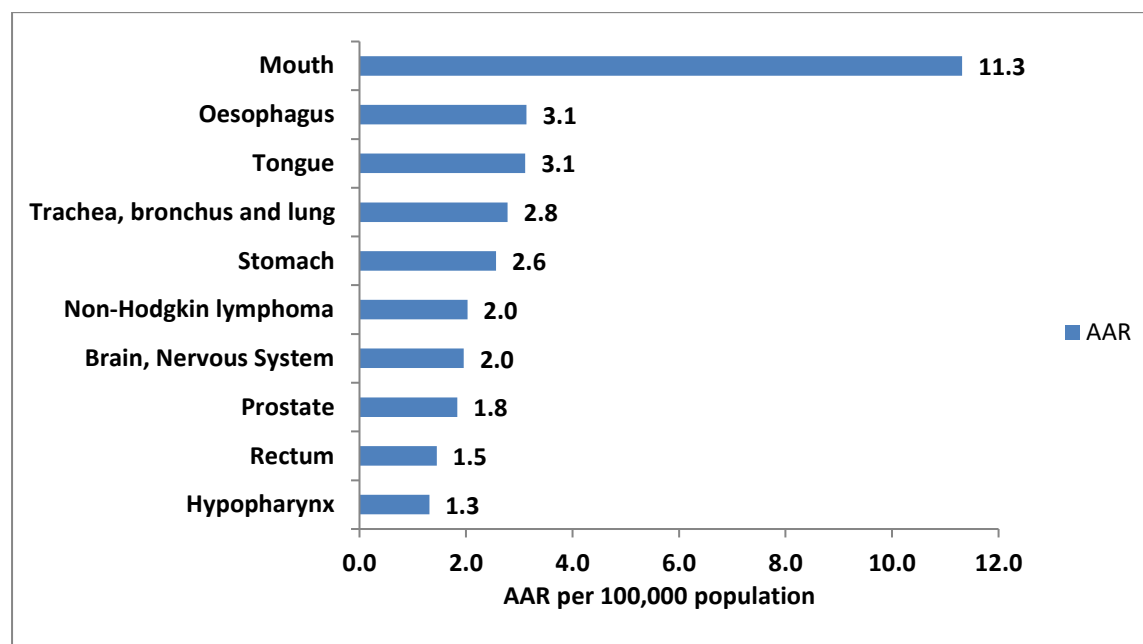
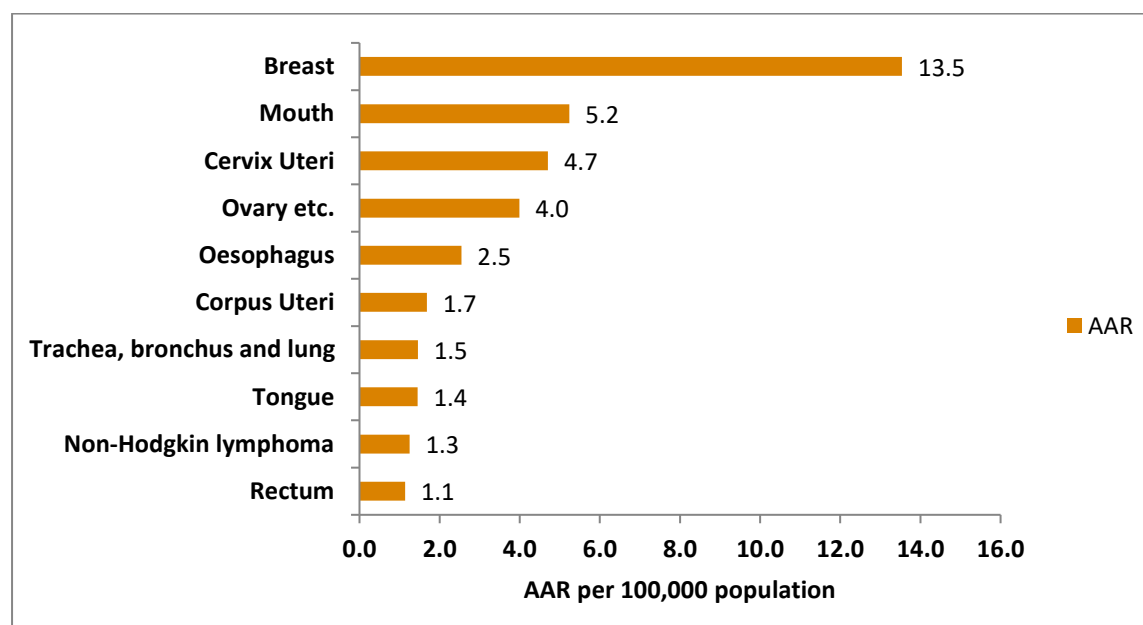


Figure 8: Leading Cancer Sites in Females 2017-2018



Cancer of Mouth (C03-C06) (2017-2018)

	Male	Female
Number of Cases	197	108
% to Total Cases	23.0	10.1
Crude Incidence Rate per 100,000	13.9	7.0
Age Adjusted Incidence Rate per 100,000	11.3	5.2
Truncated Rate per 100,000	28.2	14.1

Figure 9: Age-specific incidence rate of cancer of Mouth:2017-2018

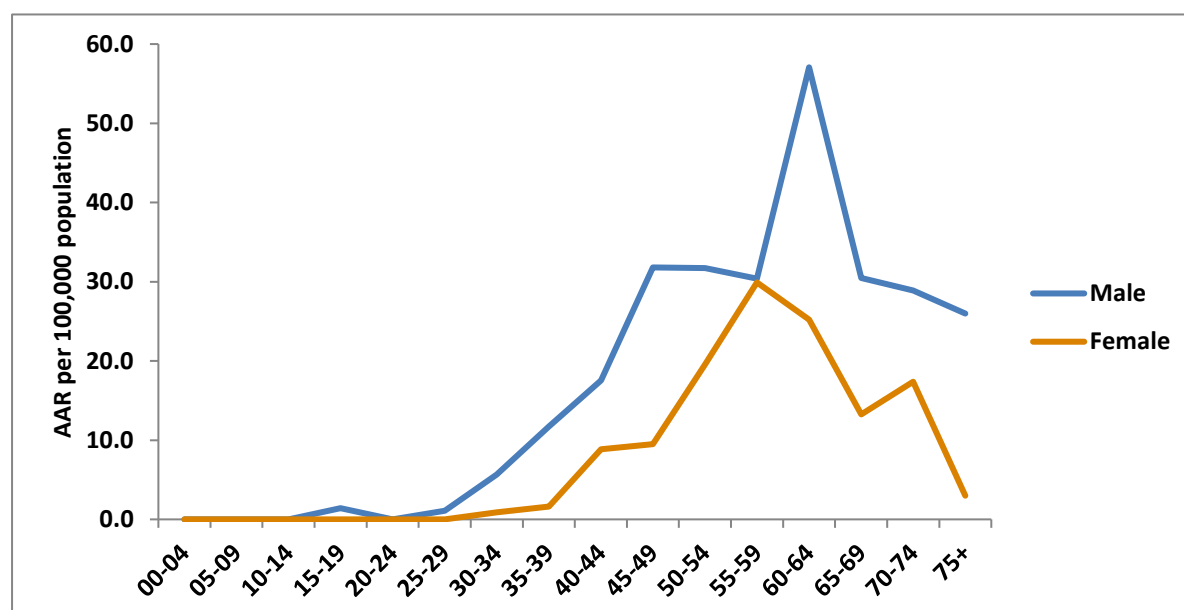
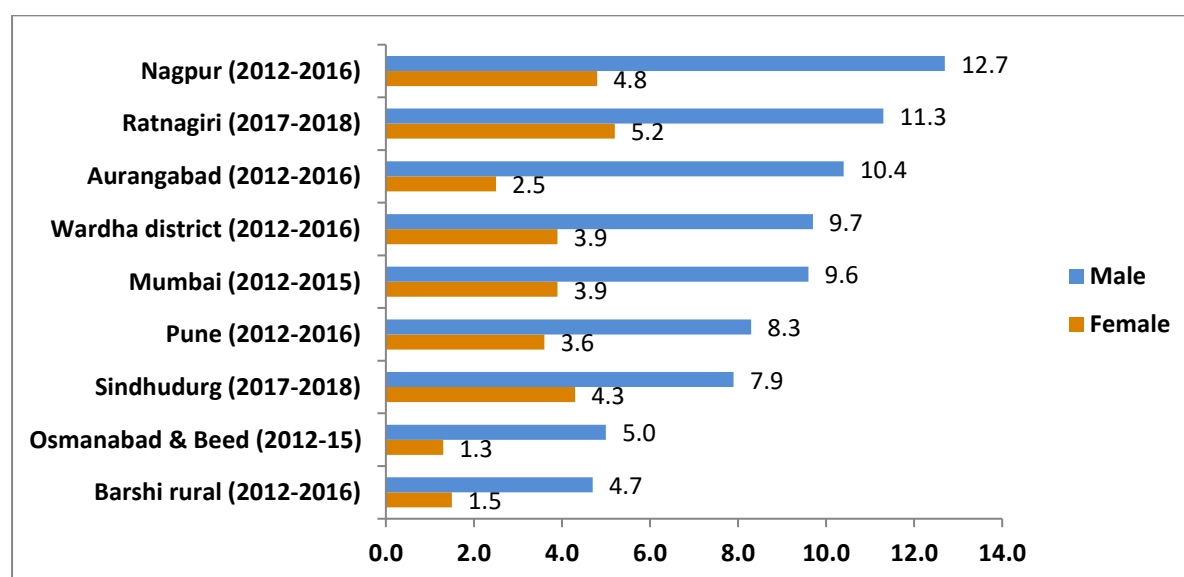


Figure 10: Comparison of Mouth cancer incidence rate with other Indian registries



Cancer of Oesophagus (C15) (2017-2018)

	Male	Female
Number of Cases	55	55
% to Total Cases	6.4	5.2
Crude Incidence Rate per 100,000	3.9	3.5
Age Adjusted Incidence Rate per 100,000	3.1	2.5
Truncated Rate per 100,000	7.5	5.7

Figure 11: Age-specific incidence rate of cancer of Oesophagus:2017-2018

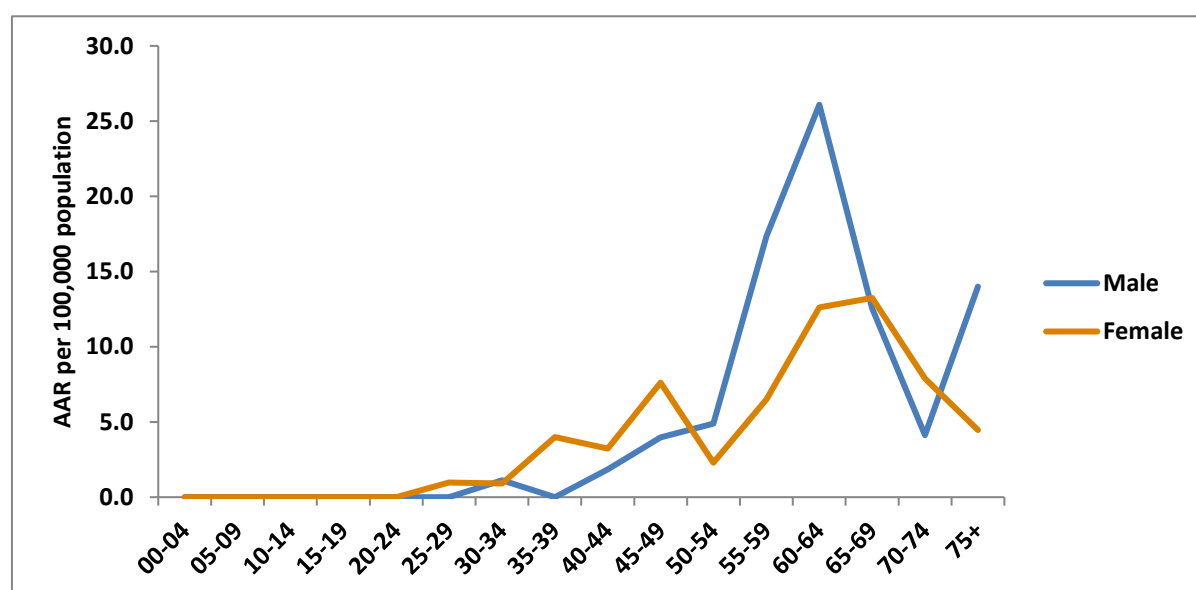
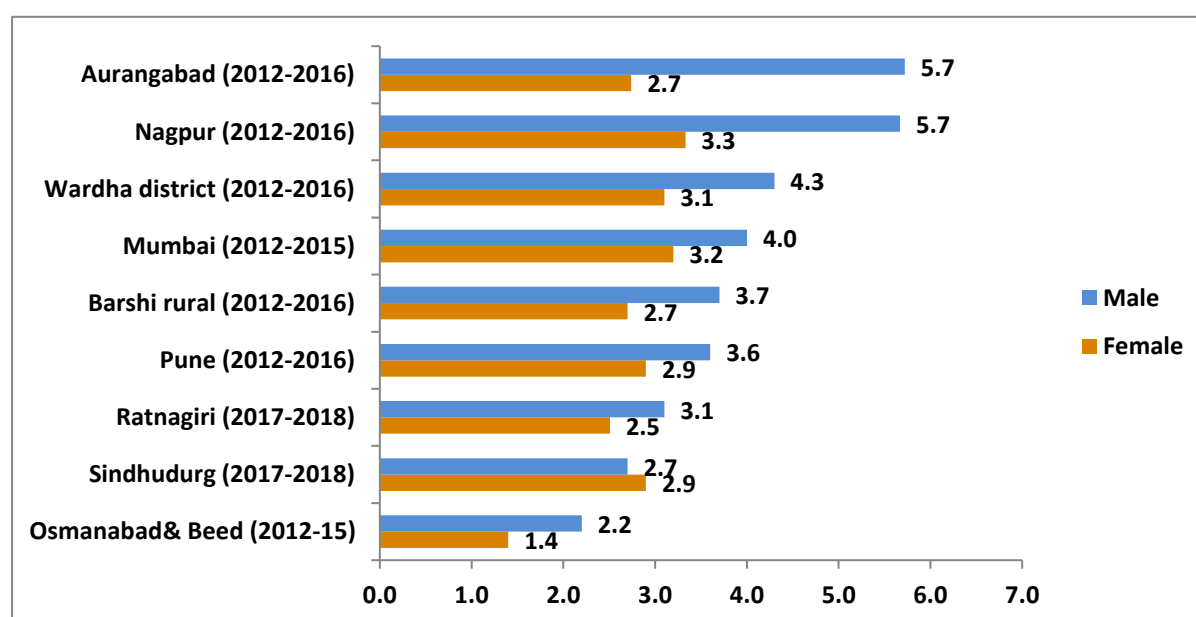


Figure 12: Comparison of Oesophagus cancer incidence rate with other Indian registries



Cancer of Tongue (C01-C02) (2017-2018)

	Male	Female
Number of Cases	54	31
% to Total Cases	6.3	2.9
Crude Incidence Rate per 100,000	3.8	2.0
Age Adjusted Incidence Rate per 100,000	3.1	1.4
Truncated Rate per 100,000	7.5	3.6

Figure 13: Age-specific incidence rate of cancer of Tongue:2017-2018

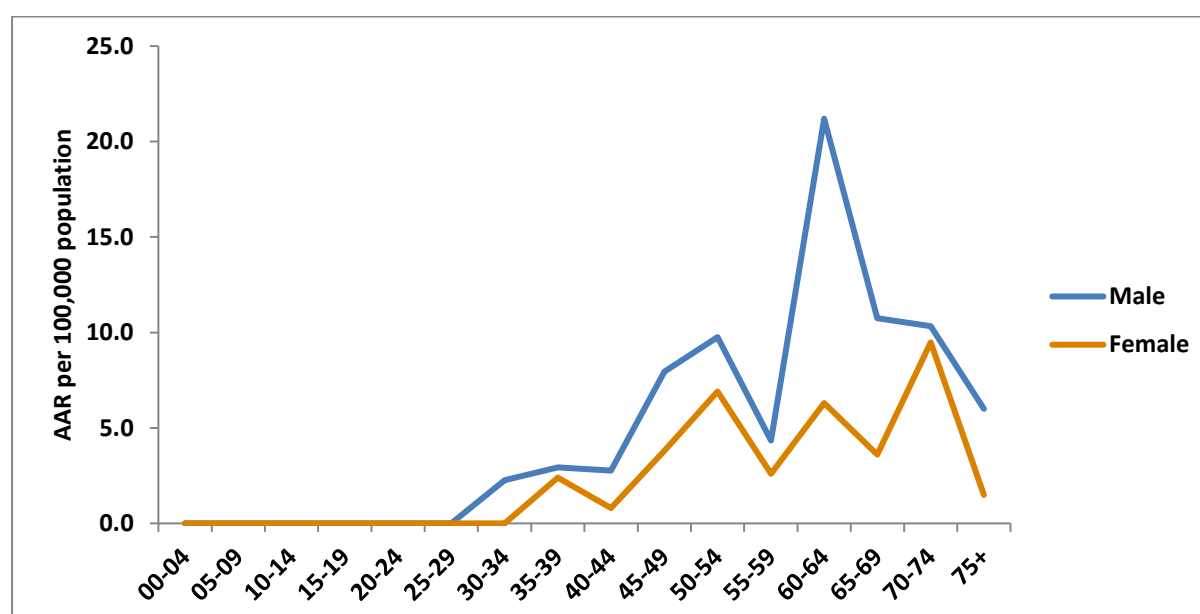
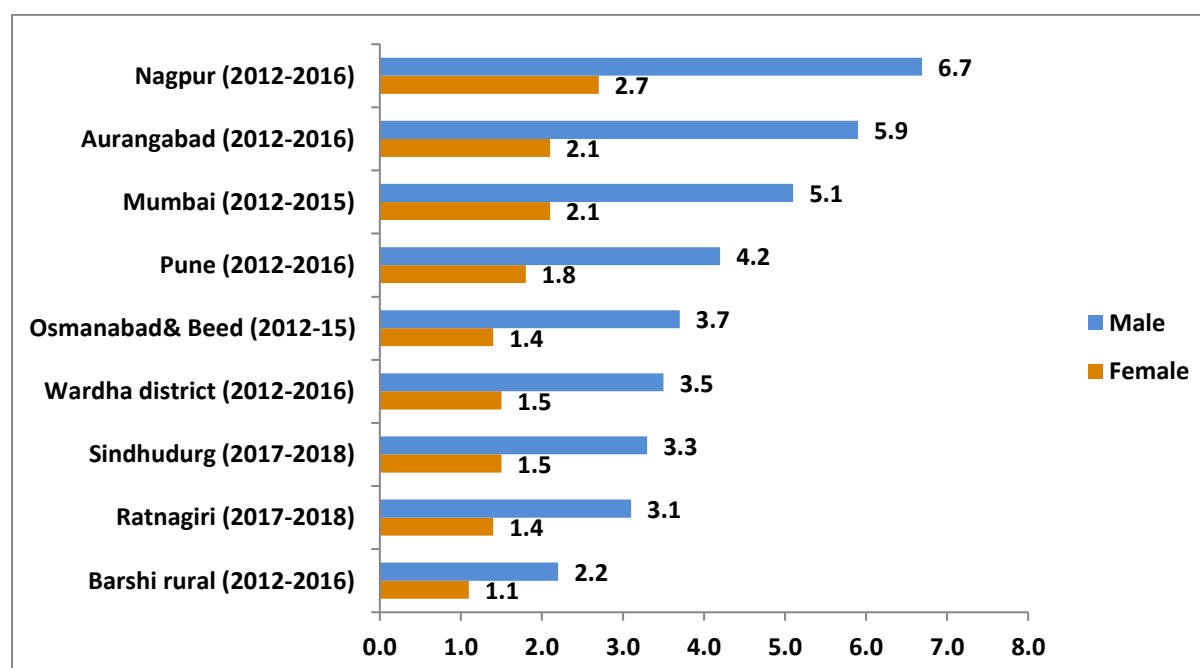


Figure 14: Comparison of Tongue cancer incidence rate with other Indian registries



Cancer of Lung (C33-C34) (2017-2018)

	Male	Female
Number of Cases	49	31
% to Total Cases	5.7	2.9
Crude Incidence Rate per 100,000	3.5	2.0
Age Adjusted Incidence Rate per 100,000	2.8	1.5
Truncated Rate per 100,000	6.7	3.2

Figure 15: Age-specific incidence rate of cancer of Lung:2017-2018

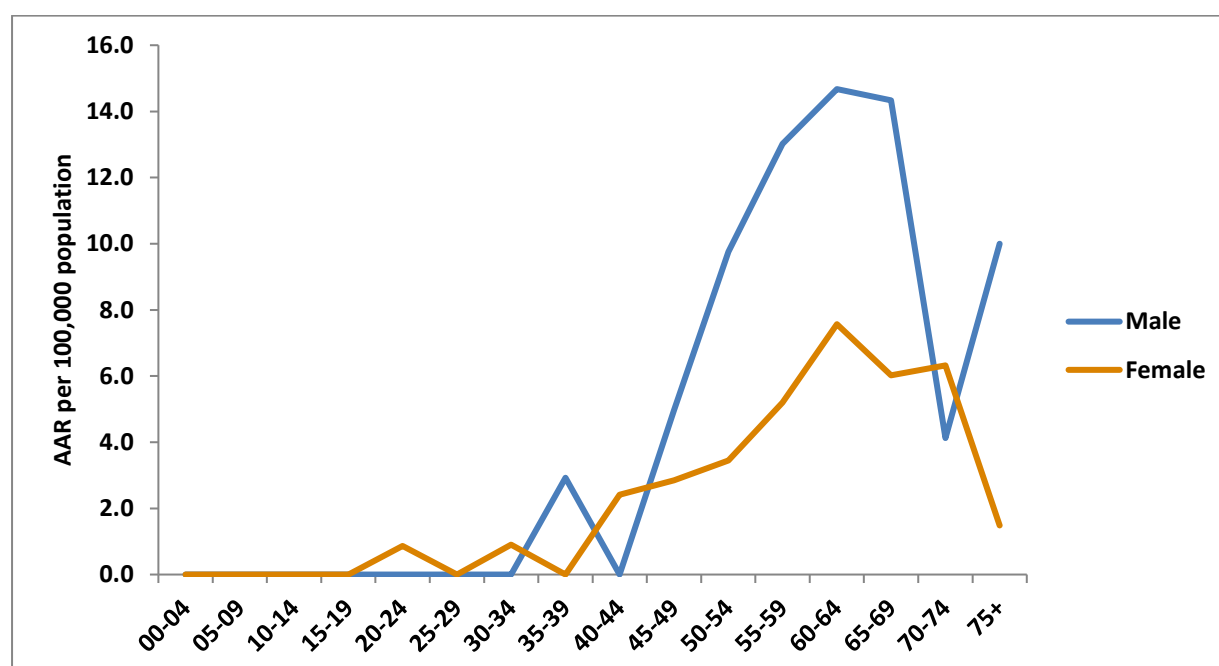
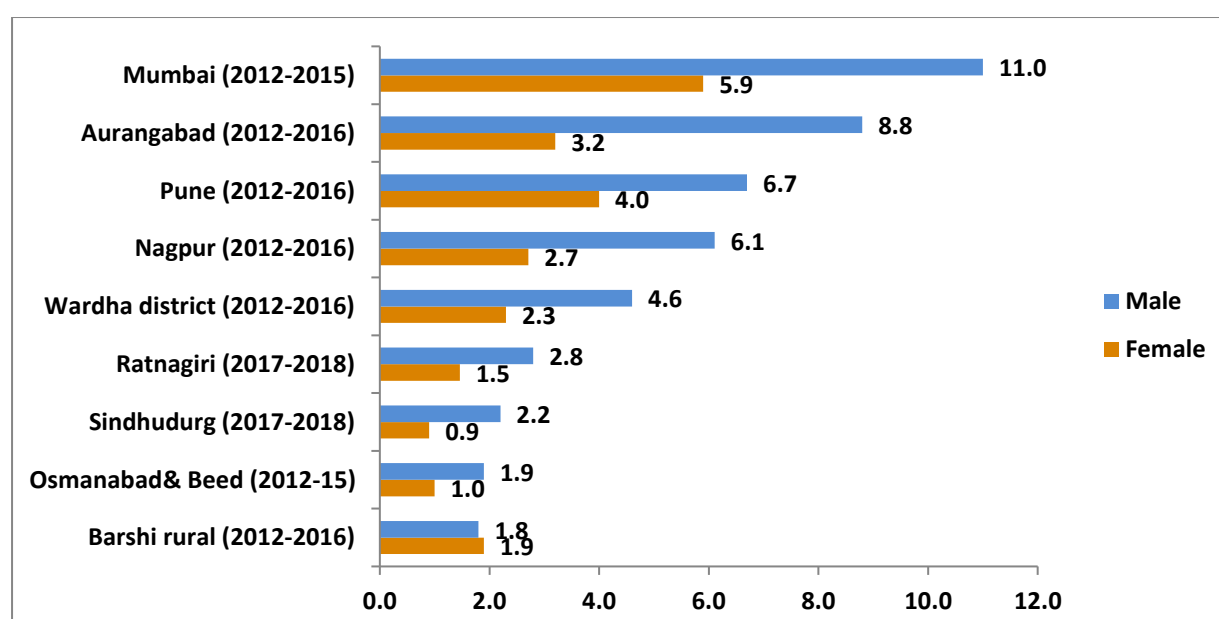


Figure 16: Comparison of Lung cancer incidence rate with other Indian registries



Cancer of Stomach (C16) (2017-2018)

	Male	Female
Number of Cases	45	20
% to Total Cases	5.3	1.9
Crude Incidence Rate per 100,000	3.2	1.3
Age Adjusted Incidence Rate per 100,000	2.6	1.0
Truncated Rate per 100,000	5.8	2.3

Figure 17: Age-specific incidence rate of cancer of Stomach:2017-2018

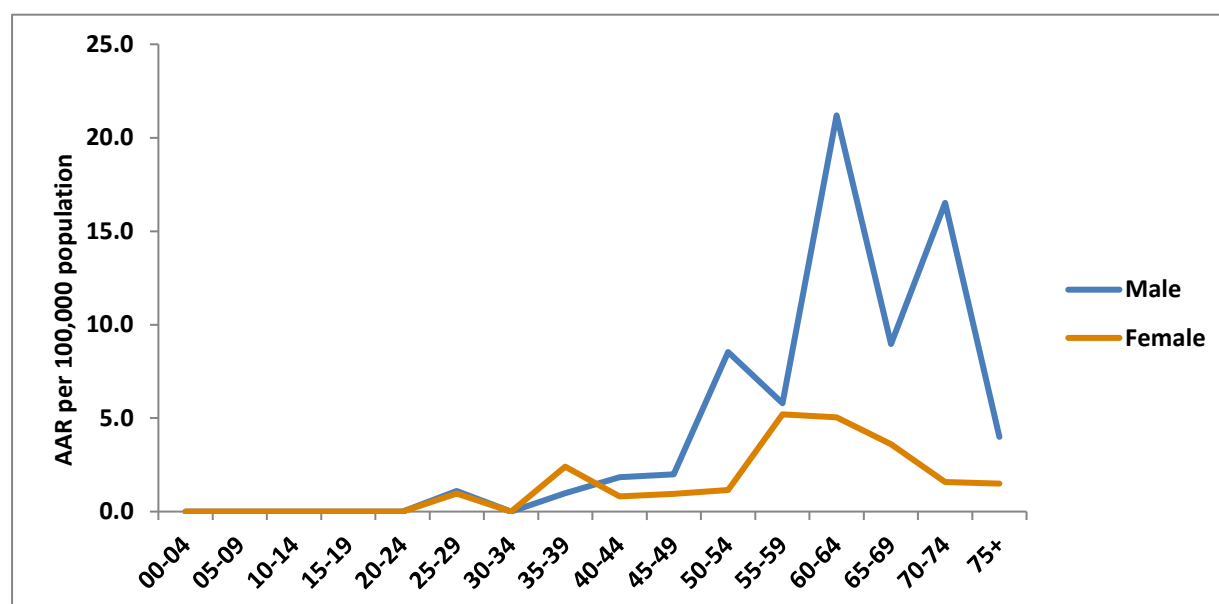
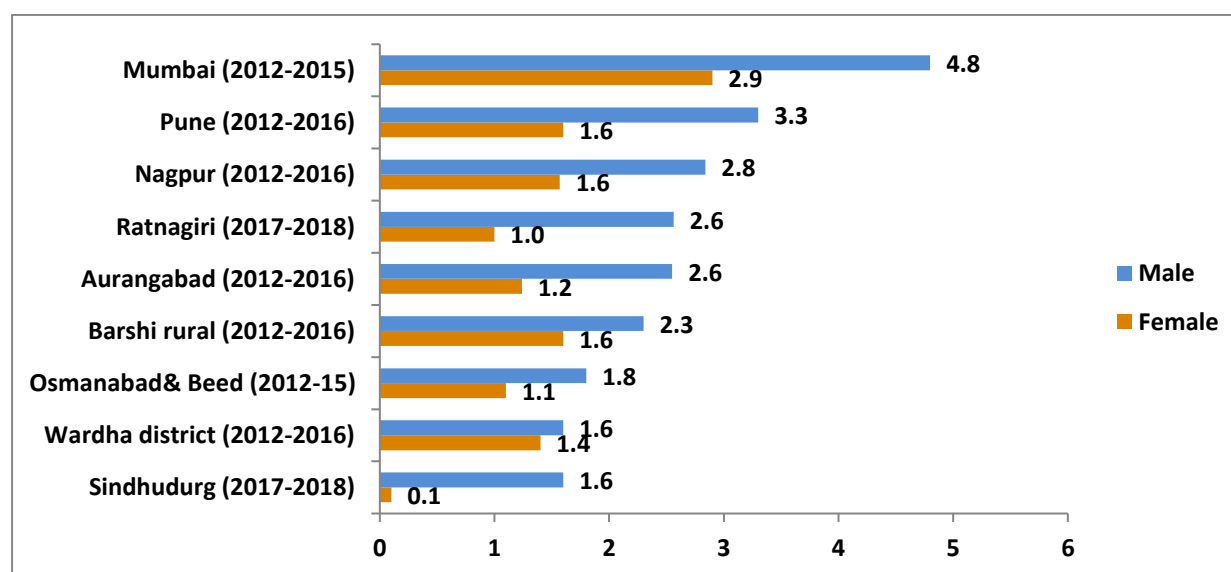


Figure 18: Comparison of Stomach cancer incidence rate with other Indian registries



Cancer of Breast (C50) (2017-2018)

	Female
Number of Cases	267
% to Total Cases	25.0
Crude Incidence Rate per 100,000	17.2
Age Adjusted Incidence Rate per 100,000	13.5
Truncated Rate per 100,000	35.0

Figure 19: Age-specific incidence rate of cancer of Breast:2017-2018

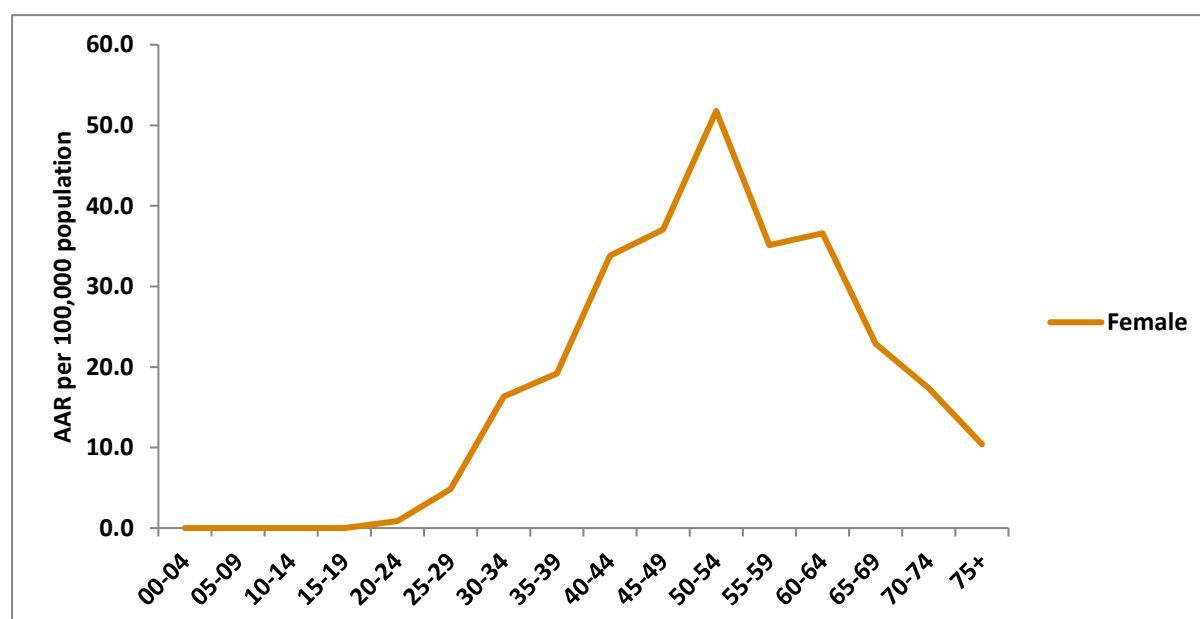
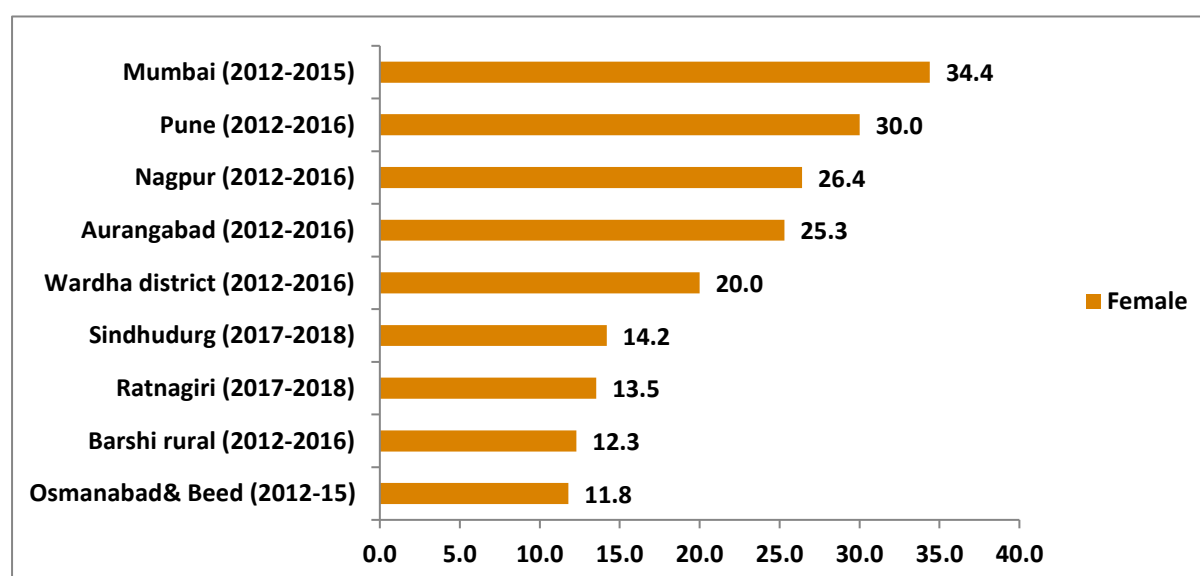


Figure 20: Comparison of Breast cancer incidence rate with other Indian registries



Cancer of Cervix Uteri (C53) (2017-2018)

	Female
Number of Cases	97
% to Total Cases	9.1
Crude Incidence Rate per 100,000	6.2
Age Adjusted Incidence Rate per 100,000	4.7
Truncated Rate per 100,000	12.5

Figure 21: Age-specific incidence rate of cancer of Cervix Uteri:2017-2018

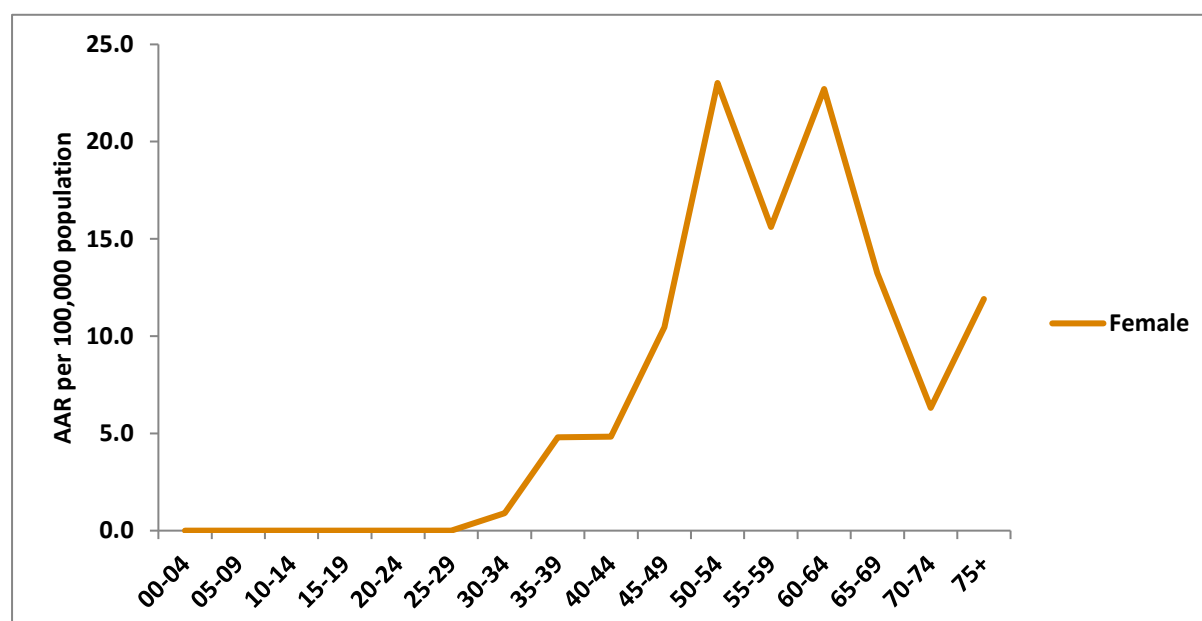
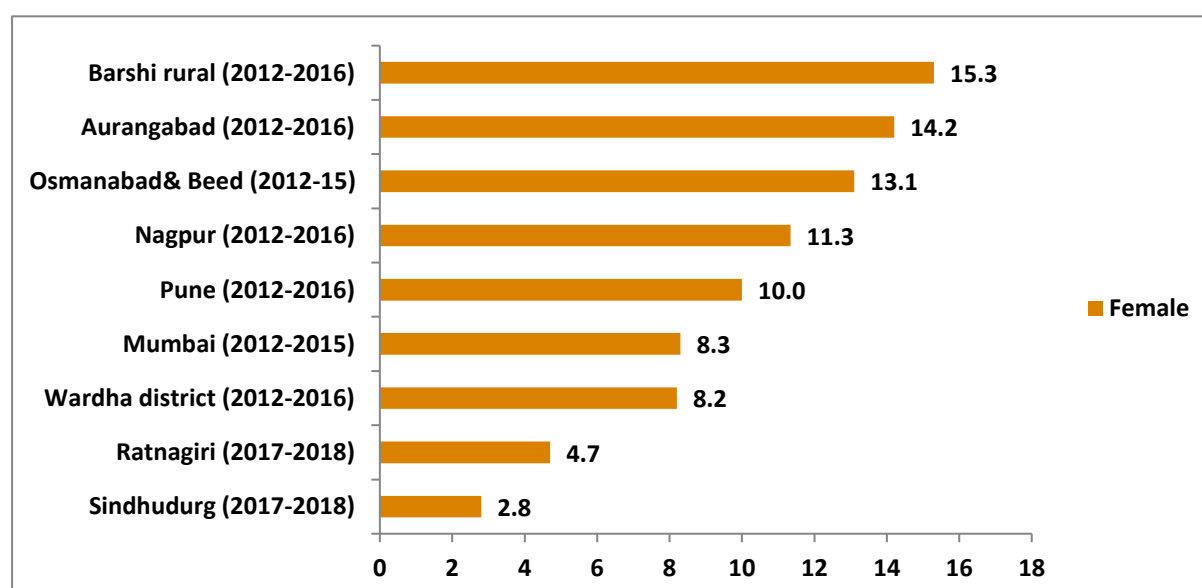


Figure 22: Comparison of Cervix Uteri cancer incidence rate with other Indian registries



Cancer of Ovary etc. (C56) (2017-2018)

	Female
Number of Cases	78
% to Total Cases	7.3
Crude Incidence Rate per 100,000	5.0
Age Adjusted Incidence Rate per 100,000	4.0
Truncated Rate per 100,000	10.9

Figure 23: Age-specific incidence rate of cancer of Ovary etc:2017-2018

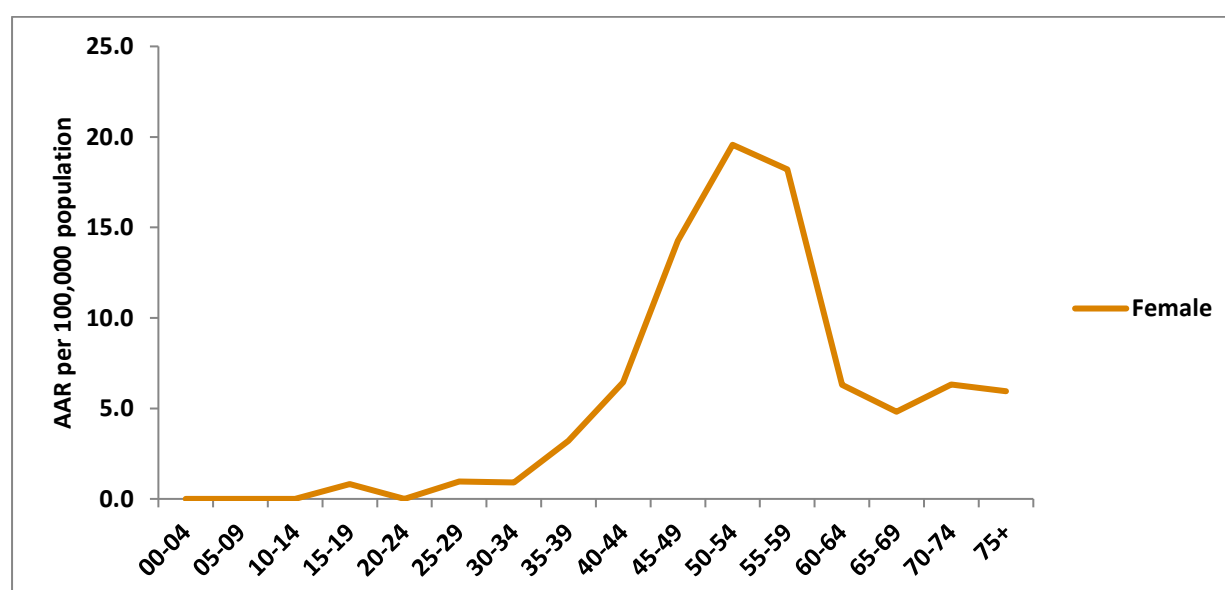


Figure 24: Comparison of Ovary etc. cancer incidence rate with other Indian registries

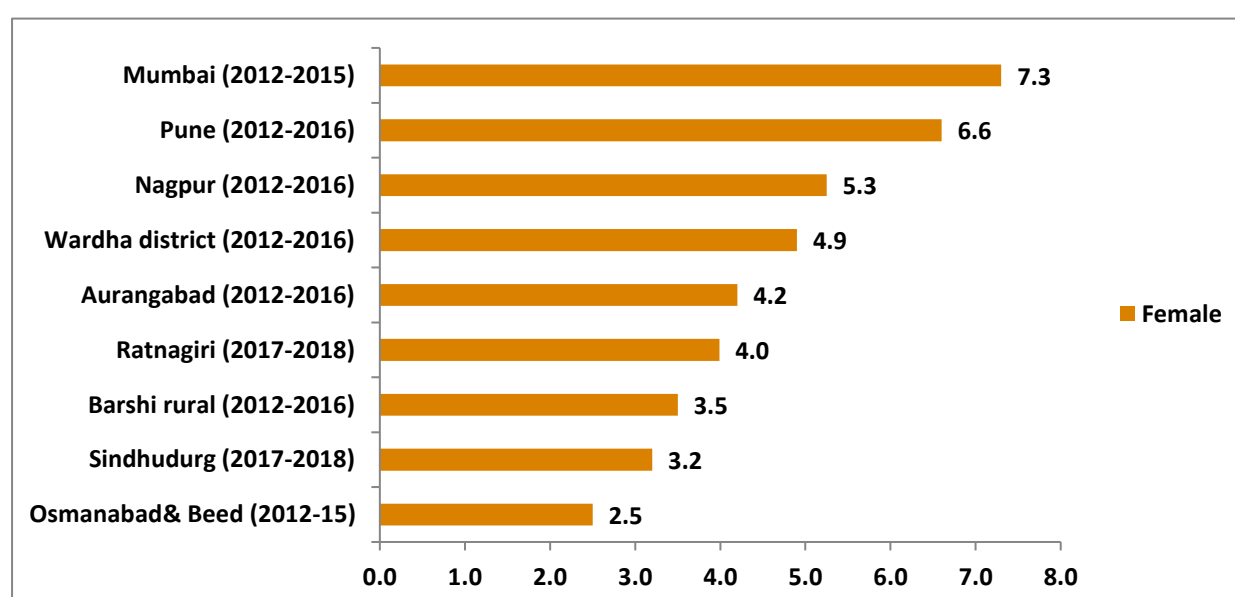


Figure 25: Age-Specific Incidence and Mortality Rate Male All Sites (2017-2018)

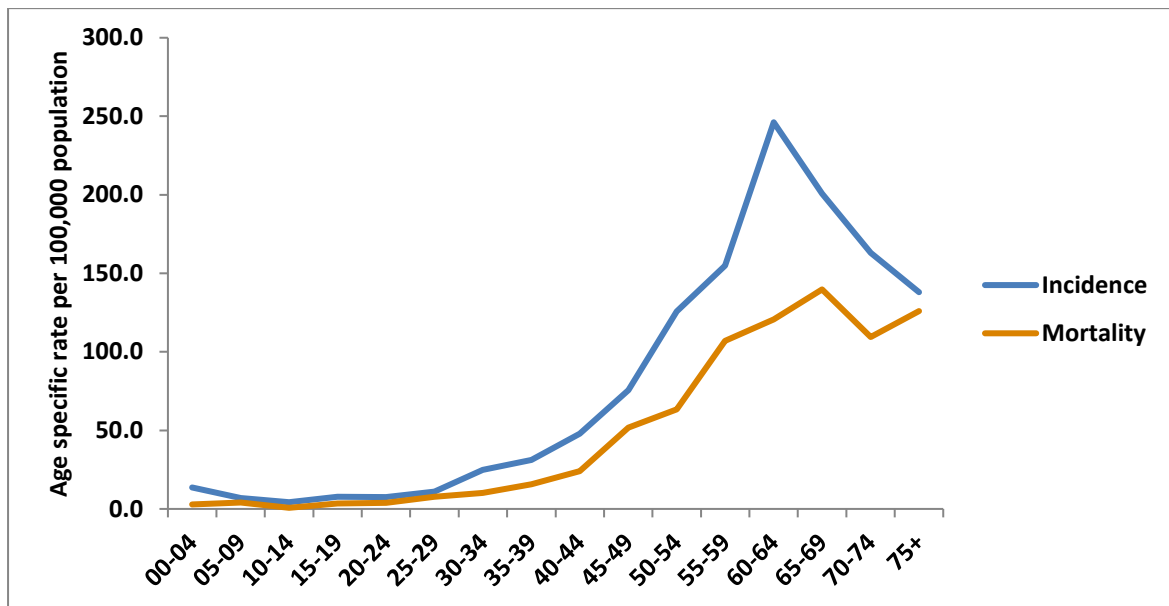
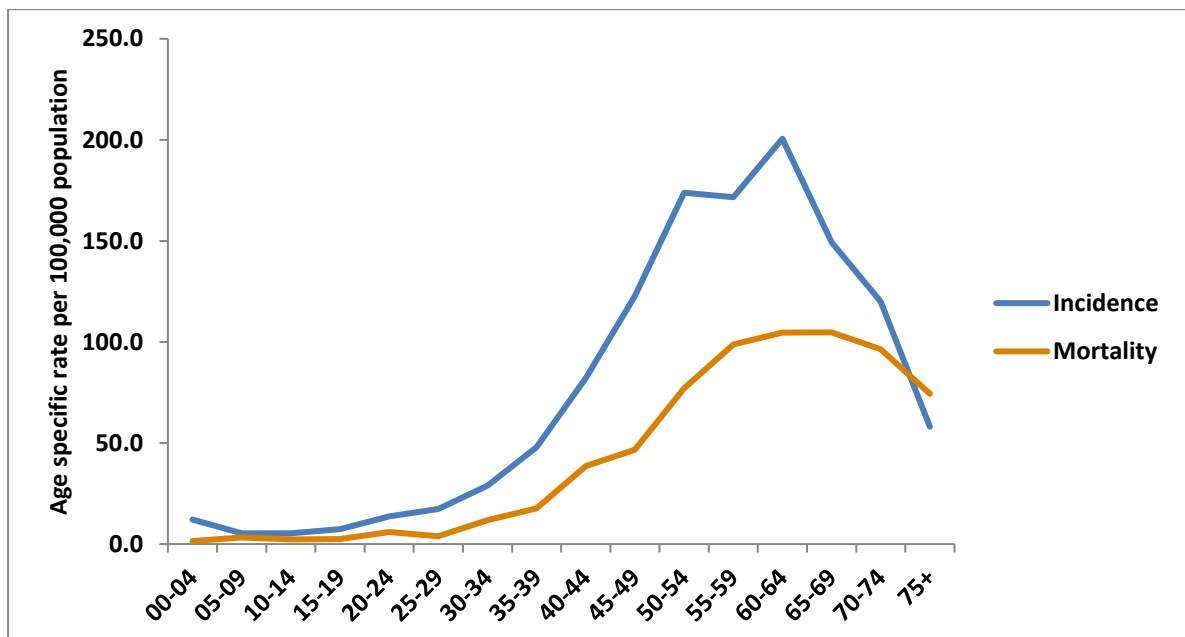


Figure 26: Age-Specific Incidence and Mortality Rate - Female All Sites (2017-2018)



9. Other and Unspecified Sites

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

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

In males, out of 855 cases, 74 (8.7%) cases were of other and unspecified sites. The predominant cases were of C77 - Secondary and Unspecified Malignant Neoplasm of Lymph Node (3.0%), followed by C78 - Secondary Malignant Neoplasm of Respiratory and Digestive Organs (2.8%) and other sites (2.8%)

In females, out of 1,067 cases, 87 (8.2%) cases were of other and unspecified. The predominant cases were of C78 - Secondary Malignant Neoplasm of Respiratory and Digestive Organs (3.9%), followed by C77 - Secondary and Unspecified Malignant Neoplasm of Lymph Node (1.2%) and other sites (3.0%), the details are presented in table 11.

Table 11: Other and Unspecified Cases by Sex

ICD10	Male		Female	
	Number	%	Number	%
C26	3	0.4	2	0.2
C48	1	0.1	-	-
C75	-	-	1	0.1
C76	7	0.8	3	0.3
C80	63	7.4	81	7.6
Total	74/855	8.7/100	87/1067	8.2/100

Cancer of Other and Unspecified (C26, C39, C48, C75, C76, C77, C78, C79, C80, C97) (2017-2018)

	Male	Female
Number of Cases	74	87
% to Total Cases	8.7	8.2
Crude Incidence Rate per 100,000	5.2	5.6
Age Adjusted Incidence Rate per 100,000	4.2	4.3
Truncated Rate per 100,000	7.5	9.3

Figure 27: Age-specific incidence rate of cancer of Other and Unspecified:2017-2018

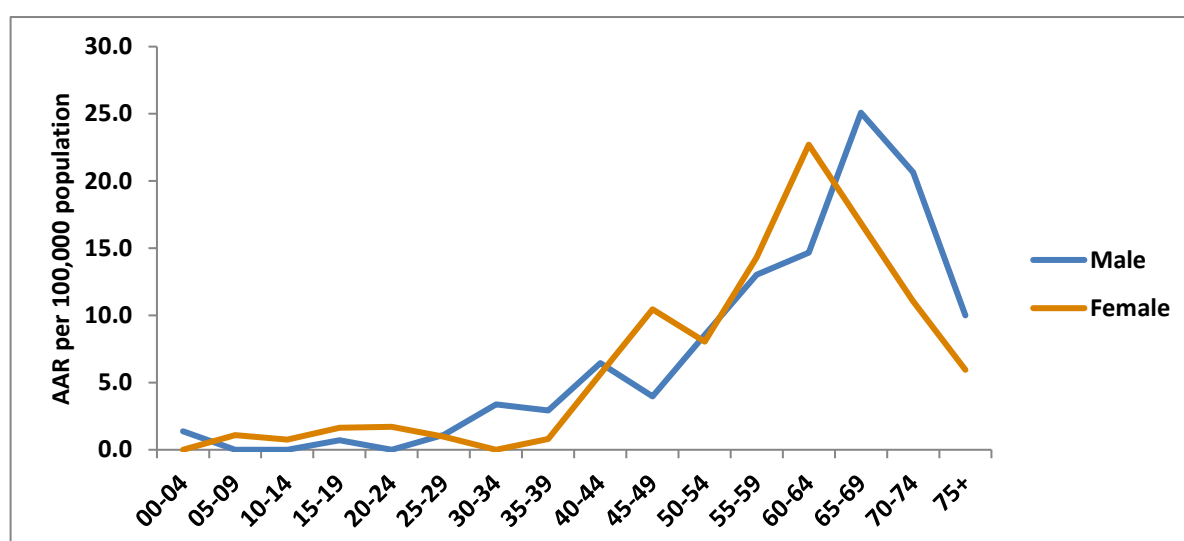
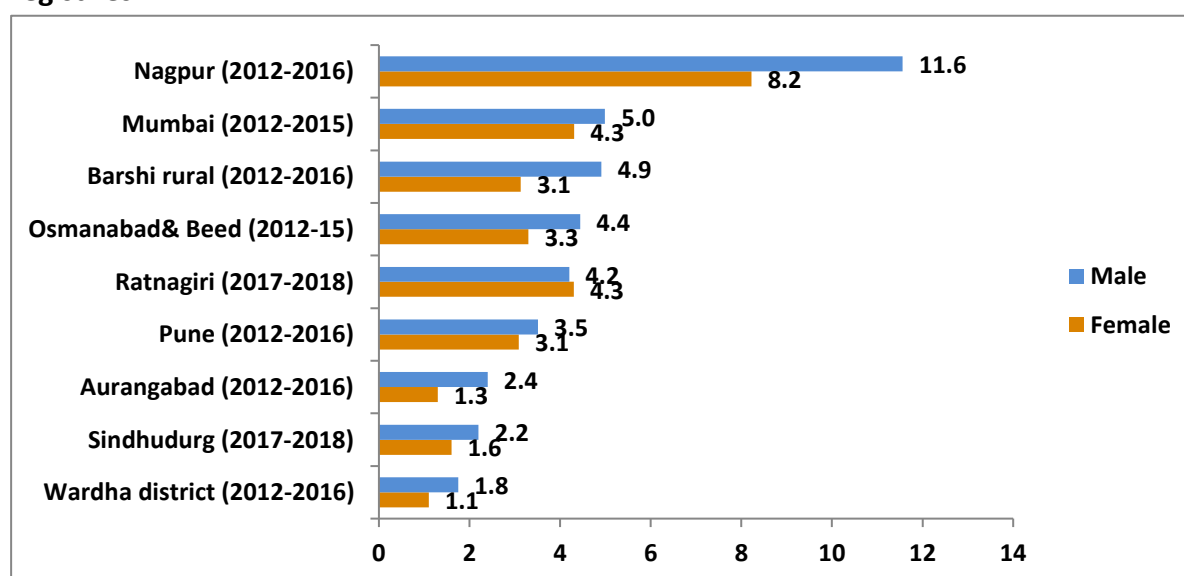


Figure 28: Comparison of Other and Unspecified cancer incidence rate with other Indian registries



10. Comparison of Cancer Incidence Rate with Other Indian Registries

The Age-adjusted incidence rate for all cancer sites for the year 2017-2018 was compared with other Indian PBCRs in Figure 29 for males and Figure 30 for females.

Figure 29: Age-Adjusted Incidence Rate of All Cancer Site in Males.

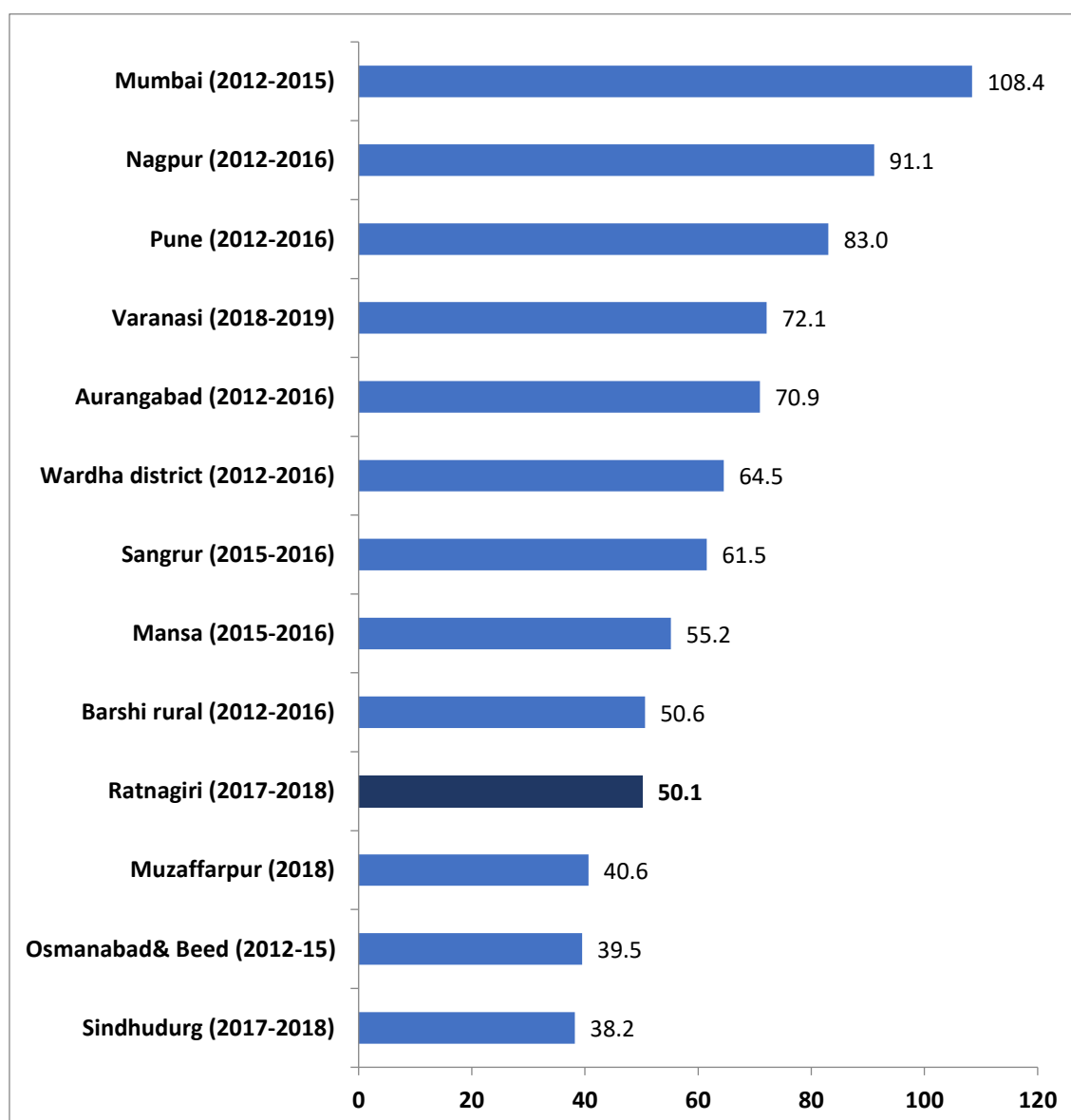
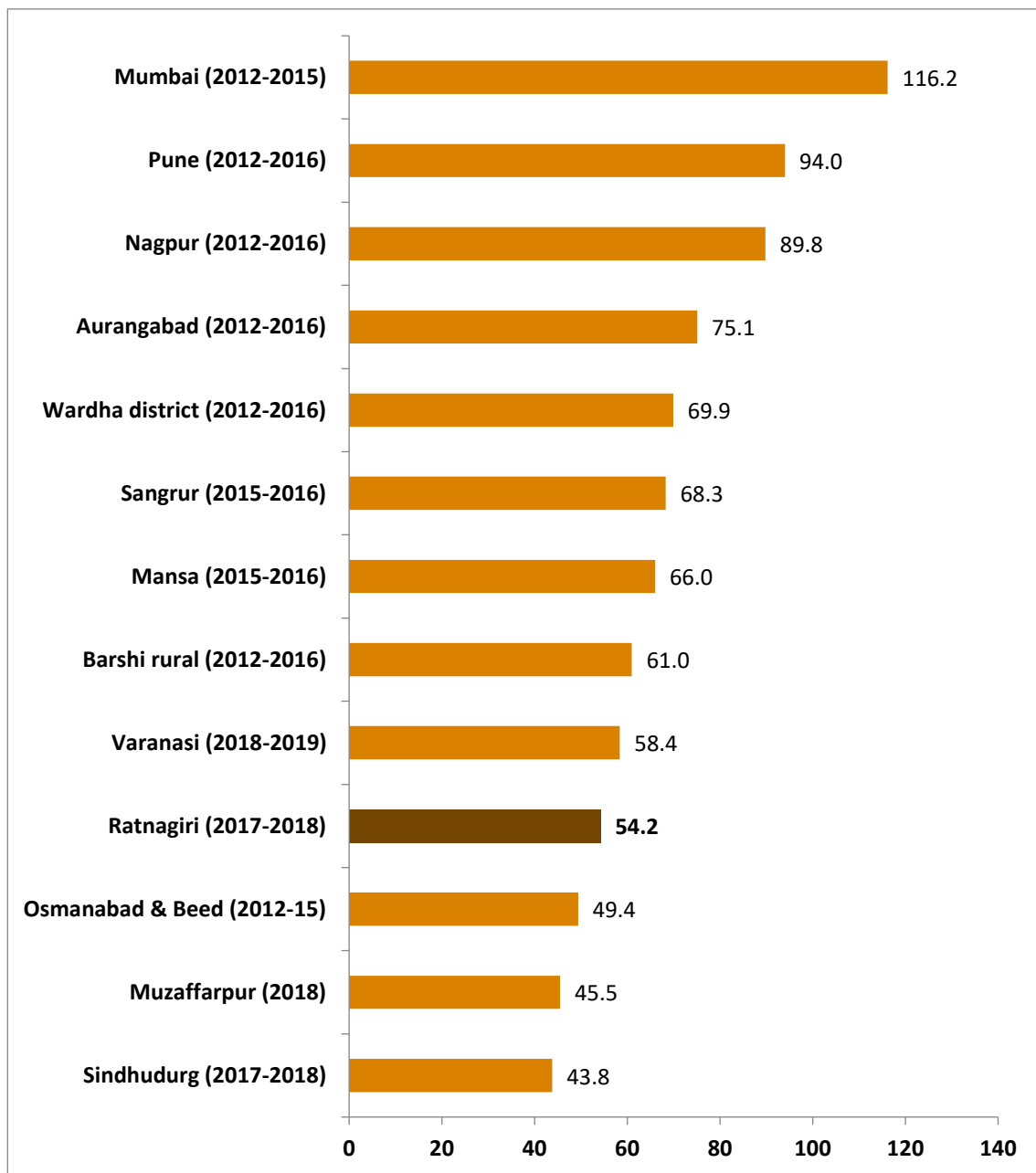


Figure 30: Age-Adjusted Incidence Rate of all Cancer Site in Females.

11. Cancer Pattern in Paediatric Age Group

Cancer pattern in paediatric age-group in the year 2017-2018, out of 1922 registered cancer cases 43 (2.2%) paediatric cases (0-14 age group) were noted. **The age-adjusted incidence for boys is 88.3 per million and 79.8 per million for girls.**

The leading cancer sites in boys are Brain Nervous System, Lymphoid Leukaemia, Non-Hodgkin Lymphoma, Connective and Soft Tissue and Kidney etc., in girls are Kidney etc., Brain Nervous System, Lymphoid Leukaemia, Connective and Soft Tissue and Eye the leading cancer sites are mentioned below in Figure 31 and 32.

Figure 31: Leading cancer sites in boys: 2017-2018

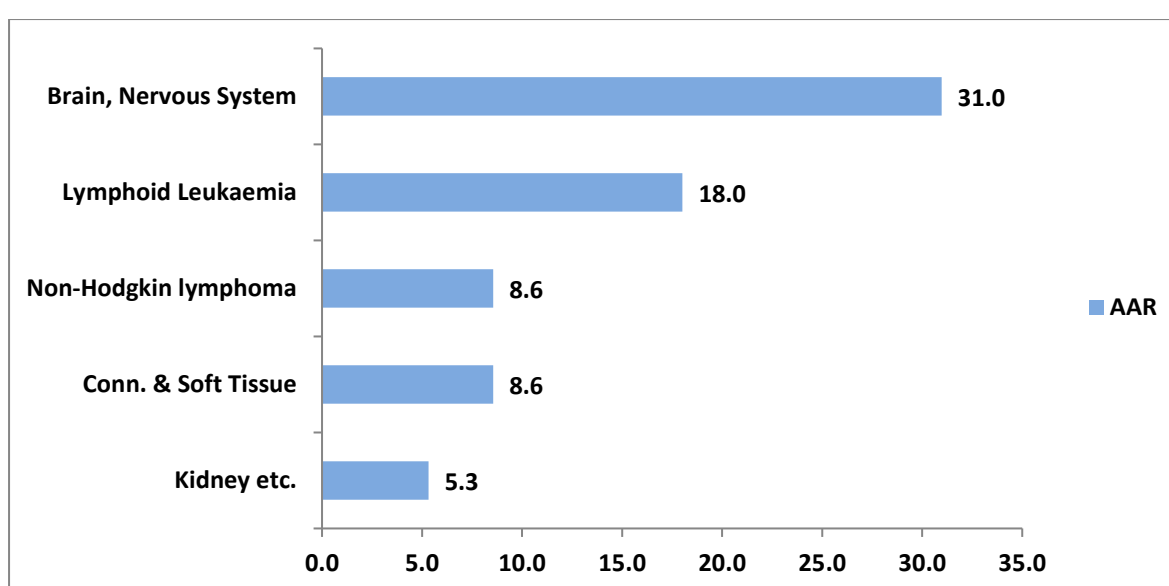
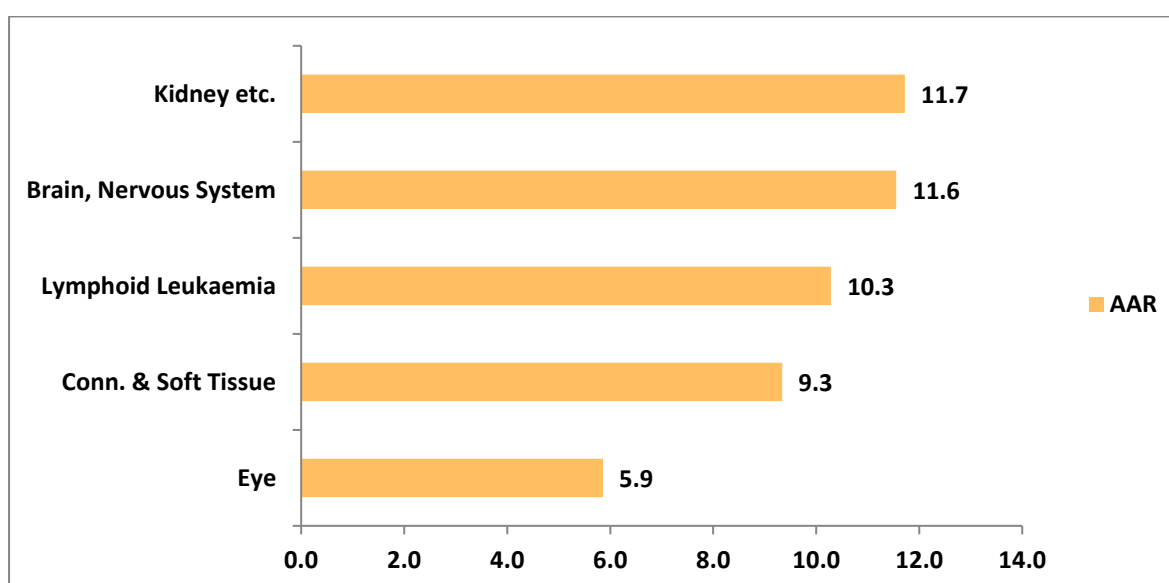


Figure 32: Leading cancer sites in girls: 2017-2018



International Classification of Childhood Cancer, 3rd edition (ICCC-3) has mentioned the separate coding to know the cancer burden in children according to appropriate diagnostic groups. ICCC-3 having 12 main groups and further these are divided in to subgroups and division of selected subgroups. The age-adjusted incidence rate as per subgroups in boys and girls per million population is mentioned in Table 12. The paediatric cancer burden as per ICCC-3 standard is mentioned separately in Table 52 and 53. (Chapter 18)

Proportion of paediatric cancer cases by 12 main diagnostic group as per ICCC-3 standard is presented in Figure 33.

Figure 33: Proportion of paediatric cancer cases by age-group: Both Sex (Ratnagiri District)

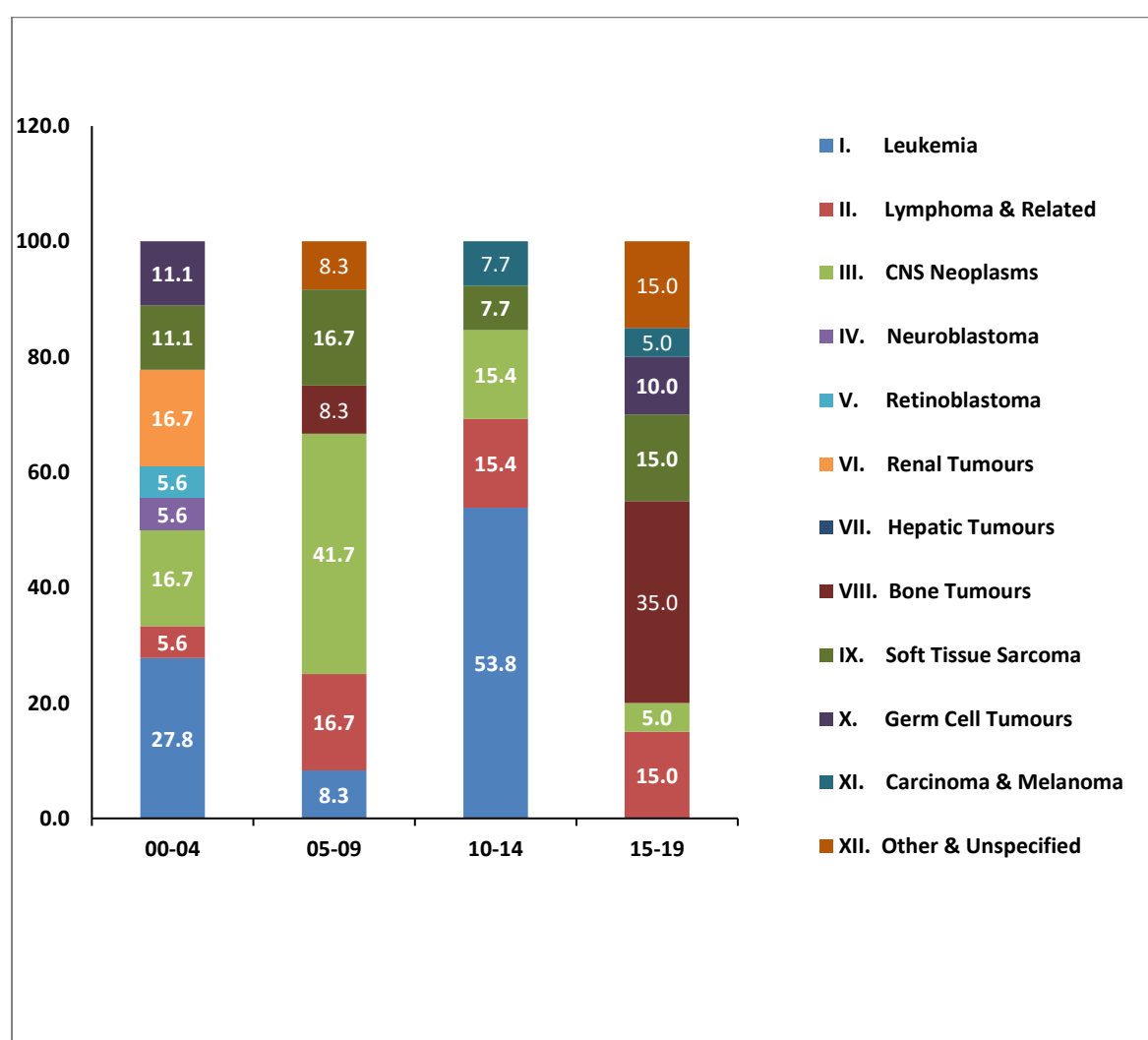


Table 12: Number of Cancer Case, Percentage and Age-Adjusted Incidence Rate per million population Ratnagiri District (2017-2018)

ICCC Code	Site	Boys			Girls		
		Number	%	AAR per million	Number	%	AAR per million
1a	Lymphoid	5	21.7	18.0	3	15.0	10.3
1b	Acute myeloid	1	4.3	5.3	1	5.0	5.9
1e	Unspecified	1	4.3	2.1	2	10.0	4.4
2a	Hodgkin	1	4.3	2.1	-	-	-
2b	Non-Hodgkin except BL	1	4.3	3.2	2	10.0	5.7
2c	Burkitt (BL)	1	4.3	5.3	-	-	-
3a	Ependymoma	-	-	-	1	5.0	3.5
3b	Astrocytoma	2	8.7	8.6	-	-	-
3c	CNS Embryonal	5	21.7	17.1	1	5.0	2.2
3f	Unspecified CNS	-	-	-	1	5.0	5.9
4a	(Ganglio) Neuroblastoma	-	-	-	1	5.0	5.9
5	Retinoblastoma	-	-	-	1	5.0	5.9
6a	Nephroblastoma	1	4.3	5.3	2	10.0	11.7
8c	Ewing & Related	-	-	-	1	5.0	3.5
9a	Rhabdomyosarcoma	2	8.7	8.6	2	10.0	8.1
9e	Unspecified	-	-	-	1	5.0	3.5
10a	CNS germ cell	1	4.3	5.3	-	-	-
10b	Other extragonadal	1	4.3	5.3	-	-	-
11d	Melanoma	1	4.3	2.1	-	-	-
12b	Other unspecified	-	-	-	1	5.0	3.5
Total		23	100.0	88.3	20	100.0	79.8

12. Tobacco-Related Cancer

The consumption of tobacco is a major risk factor for cancers. The cancers of Lip (C00), Tongue (C01-C02), Mouth (C03-C06), Pharynx (C10, C12-C14), Oesophagus (C15), Larynx (C32), Lung (C33-C34) and Urinary Bladder (C67) are related to tobacco use.

As per the Ratnagiri registry data, the tobacco-related cancer burden is 50.4% in Male (1 out of 2 cancer cases is tobacco-related) while it is 24.1% in Females (1 out of 4 cancer cases is tobacco-related).

The leading site tobacco-related cancer are Mouth, Oesophagus, Tongue, Lung, and Hypopharynx in Males and Mouth, Oesophagus, Lung, Tongue, and Hypopharynx in Female.

In the male out of 431; 175 (40.6%) are farmers. in the female out of 257; 189 (73.5%) are housewives. For education level of the population, 43.9% males have primary education and while 33.5% females have primary education.

Table 13: Tobacco Related Cancer (TRCs) in Male 2017-2018

ICD10	Site	Number	%	CR	AAR	TR
C00	Lip	9	1.1	0.6	0.5	1.1
C01-C02	Tongue	54	6.3	3.8	3.1	7.5
C03-C06	Mouth	197	23.0	13.9	11.3	28.2
C10	Other Oropharynx	8	0.9	0.6	0.4	0.6
C12-C13	Hypopharynx	24	2.8	1.7	1.3	2.9
C14	Pharynx Unspecified	6	0.7	0.4	0.3	0.6
C15	Oesophagus	55	6.4	3.9	3.1	7.5
C32	Larynx	18	2.1	1.3	1.0	2.0
C33-C34	Lung	49	5.7	3.5	2.8	6.7
C67	Bladder	11	1.3	0.8	0.6	1.2
C00-C06, C10, C12-C15, C32-C34 & C67	Tobacco-related cancer	431	50.4	30.4	24.5	58.4

Table 14: Tobacco Related Cancer (TRCs) in Female 2017-2018

ICD10	Site	Number	%	CR	AAR	TR
C00	Lip	3	0.3	0.2	0.1	0.3
C01-C02	Tongue	31	2.9	2.0	1.4	3.6
C03-C06	Mouth	108	10.1	7.0	5.2	14.1
C10	Other Oropharynx	5	0.5	0.3	0.2	0.2
C12-C13	Hypopharynx	15	1.4	1.0	0.7	1.8
C14	Pharynx Unspecified	1	0.1	0.1	0.1	0.0
C15	Oesophagus	55	5.2	3.5	2.5	5.7
C32	Larynx	4	0.4	0.3	0.2	0.6
C33-C34	Lung	31	2.9	2.0	1.5	3.2
C67	Bladder	4	0.4	0.3	0.2	0.3
C00-C06, C10, C12-C15, C32-C34 & C67		Tobacco-related cancer	257	24.1	16.6	12.2
				29.9		

Table 15: Tobacco-related cancer cases by sex and occupation

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Professional	10	2.3	1	0.4	11	1.6
Semi-Professional	2	0.5	1	0.4	3	0.4
Farmer	175	40.6	19	7.4	194	28.2
Skilled Worker	5	1.2	-	-	5	0.7
Semi-Skilled Worker	6	1.4	1	0.4	7	1.0
Unskilled Worker	11	2.6	1	0.4	12	1.7
Unemployed	14	3.2	3	1.2	17	2.5
Student	2	0.5	-	-	2	0.3
Housewife	-	-	189	73.5	189	27.5
Govt Employee	23	5.3	1	0.4	24	3.5
Pvt Employee	3	0.7	-	-	3	0.4
Other	94	21.8	7	2.7	101	14.7
Unknown	86	20.0	34	13.2	120	17.4
Total	431	100.0	257	100.0	688	100.0

Table 16: Tobacco-related cancer cases by sex and education

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	47	10.9	77	30.0	124	18.0
Literate	56	13.0	38	14.8	94	13.7
Primary (1 to 7 std)	189	43.9	86	33.5	275	40.0
Secondary (8 to 10 std)	47	10.9	14	5.4	61	8.9
Technical after 10th	2	0.5	-	-	2	0.3
College	10	2.3	1	0.4	11	1.6
Unknown / No Information	80	18.6	41	16.0	121	17.6
Total	431	100.0	257	100	688	100.0

Table 17: Tobacco-related cancer cases by sex and religion

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Hindu	369	85.6	220	85.6	589	85.6
Muslim	43	10.0	22	8.6	65	9.4
Christian	1	0.2	-	-	1	0.1
Sikh	1	0.2	-	-	1	0.1
Neo-Buddhist	17	3.9	15	5.8	32	4.7
Total	431	100.0	257	100.0	688	100.0

13. Cancer Burden as per Anatomical System

For Males, the reported majority of cancer cases involved the sites from Head and Neck (39.9%) followed by the digestive tract organ (22.5%) with highest AAR 19.3 per 100,000 and AAR 10.9 per 100,000 population respectively and further Lymphoid and Haematopoietic tissue (8.9%), Respiratory and Intra Thoracic Organ (8.3%), Male Genital Organ (5.8%)

For Females, the reported majority of cancer cases involved the sites from Breast (25.0%) followed by the Female Genital Organs (20.1%) and Head and Neck (18.4%) with highest AAR 13.5, 10.7 and 9.5 per 100,000 population respectively and further, Digestive Organ (13.1%), Lymphoid and Haematopoietic tissue (6.0%) and Respiratory and Intra Thoracic Organ (3.7%) The details are presented in figure 34 and table 18 and 19.

Figure 34: Cancer rates by different Anatomical Sites in Ratnagiri District 2017-2018

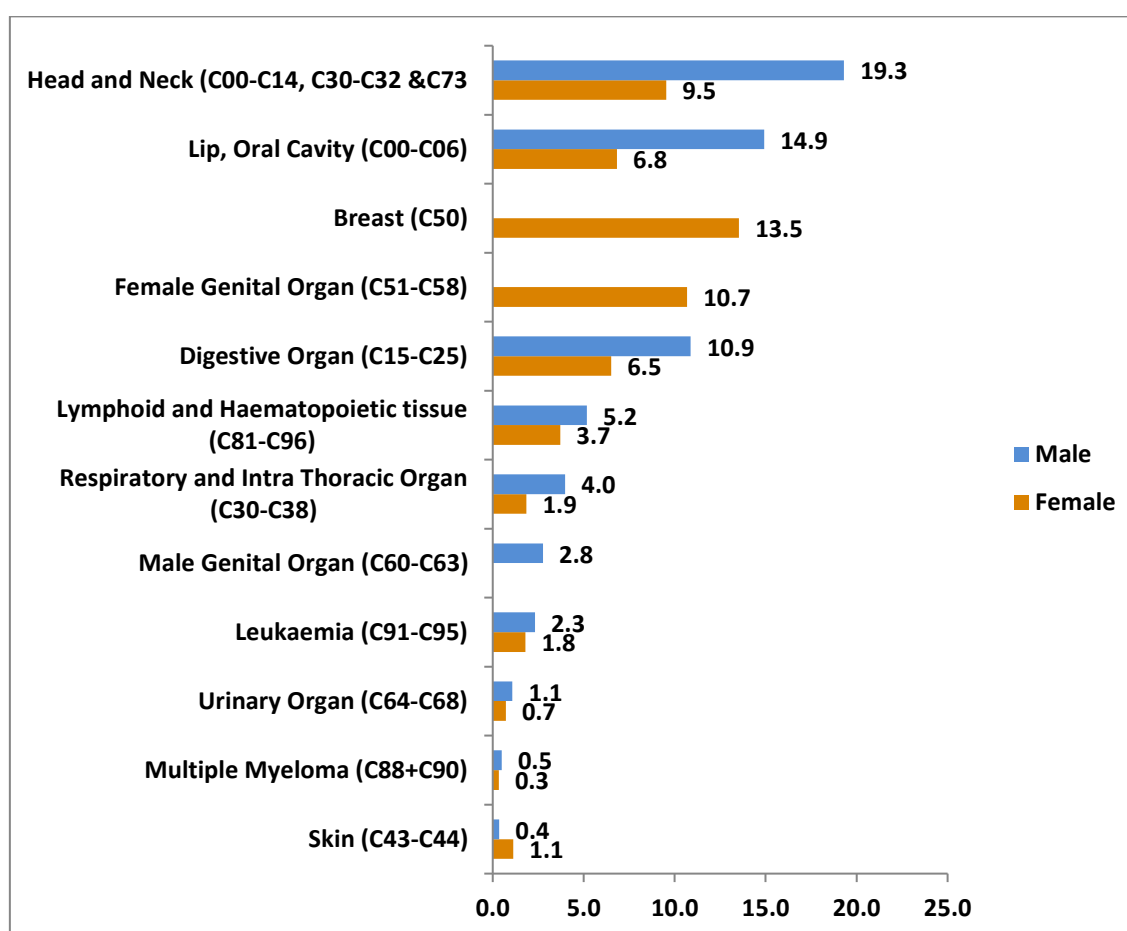


Table 18: Cancer Burden as per the various Anatomical System in Male :2017-2018

ICD10	Site	Total	%	CR	AAR	TR
C00-C14, C30-C32 & C73	Head and Neck	341	39.9	24.1	19.3	46.1
C00-C06	Lip, Oral Cavity	260	30.4	18.4	14.9	36.9
C15-C25	Digestive Organ	192	22.5	13.6	10.9	23.7
C81-C96	Lymphoid and Haematopoietic tissue	76	8.9	5.4	5.2	8.0
C30-C38	Respiratory and Intrathoracic Organ	71	8.3	5.0	4.0	9.1
C60-C63	Male Genital Organ	50	5.8	3.5	2.8	4.0
C91-C95	Leukaemia	31	3.6	2.2	2.3	3.1
C64-C68	Urinary Organ	18	2.1	1.3	1.1	1.8
C88 + C90	Multiple Myeloma	9	1.1	0.6	0.5	1.1
C43-C44	Skin	6	0.7	0.4	0.4	0.8
C50	Breast	3	0.4	0.2	0.2	0.2

Table 19: Cancer Burden as per the various Anatomical System in Female:2017-2018

ICD10	Site	Total	%	CR	AAR	TR
C50	Breast	267	25.0	17.2	13.5	35.0
C51-C58	Female Genital Organ	215	20.1	13.9	10.7	28.4
C00-C14, C30-C32 & C73	Head and Neck	196	18.4	12.6	9.5	22.8
C00-C06	Lip, Oral Cavity	142	13.3	9.1	6.8	18.1
C15-C25	Digestive Organ	140	13.1	9.0	6.5	15.0
C81-C96	Lymphoid and Haematopoietic tissue	64	6.0	4.1	3.7	5.9
C30-C38	Respiratory and Intrathoracic Organ	39	3.7	2.5	1.9	4.0
C91-C95	Leukaemia	29	2.7	1.9	1.8	2.0
C43-C44	Skin	23	2.2	1.5	1.1	2.4
C64-C68	Urinary Organ	10	0.9	0.6	0.7	0.7
C88 + C90	Multiple Myeloma	6	0.6	0.4	0.3	1.1

14. Social and Demographic Information

The Ratnagiri district cancer registry staff interacted with cancer patients or their relatives and collected social and demographic information. Based on the information collected, in Ratnagiri district, cancer cases were highest among the Hindu community (82.9%). By education status, cases with primary education (1st to 7th standard) made a major chunk (39.8%) of the 1922 cases. Furthermore, in terms of occupation, cancer cases were more commonly found among Housewives and Farmer respectively 38.6% and 20.2%. The number of cancer cases was found to be more in the population with income less than Rs. 5000/- per month. The details of the same are presented in table 20 to 23.

Table 20: Cancer cases by Education and Sex

Education	Male		Female		Total	
	Number	%	Number	%	Number	%
Illiterate	88	10.3	238	22.3	326	17.0
Literate	104	12.2	124	11.6	228	11.9
Primary (1 to 7 std)	368	43.0	396	37.1	764	39.8
Secondary (8 to 10 std)	99	11.6	102	9.6	201	10.5
Technical after 10th	5	0.6	1	0.1	6	0.3
College	30	3.5	24	2.2	54	2.8
Post graduate	-	-	1	0.1	1	0.1
Other	5	0.6	1	0.1	6	0.3
Not applicable for children	11	1.3	8	0.7	19	1.0
Unknown / No Information	145	17.0	172	16.1	317	16.5
Total	855	100.0	1067	100.0	1922	100.0

Table 21: Cancer cases by Religion and Sex

Religion	Male		Female		Total	
	Number	%	Number	%	Number	%
Hindu	721	84.3	872	81.7	1593	82.9
Muslim	103	12.0	134	12.6	237	12.3
Christian	1	0.1	2	0.2	3	0.2
Sikh	2	0.2	-	-	2	0.1
Neo-Buddhist	28	3.3	59	5.5	87	4.5
Total	855	100.0	1067	100.0	1922	100.0

Table 22: Cancer Cases by Income and Sex

Income	Male		Female		Total	
	Number	%	Number	%	Number	%
Less than Rs. 5000/-	357	41.8	435	40.8	792	41.2
Rs. 5000/- to 10000/-	209	24.4	274	25.7	483	25.1
Rs. 10000/- to 15000/-	57	6.7	90	8.4	147	7.6
Rs. 15000/- to 20000/-	15	1.8	15	1.4	30	1.6
More than Rs. 20000/-	21	2.5	17	1.6	38	2.0
Unknown/No Information	196	22.9	236	22.1	432	22.5
Total	855	100.0	1067	100.0	1922	100.0

Table 23: Cancer cases by Occupation and Sex

Occupation	Male		Female		Total	
	Number	%	Number	%	Number	%
Professional	16	1.9	5	0.5	21	1.1
Semi-Professional	2	0.2	1	0.1	3	0.2
Clerical/Shop owner	1	0.1	-	-	1	0.1
Farmer	311	36.4	78	7.3	389	20.2
Skilled Worker	11	1.3	1	0.1	12	0.6
Semi-Skilled Worker	10	1.2	1	0.1	11	0.6
Unskilled Worker	29	3.4	1	0.1	30	1.6
Unemployed	30	3.5	7	0.7	37	1.9
Student	26	3.0	26	2.4	52	2.7
Housewife	-	-	742	69.5	742	38.6
Govt Employee	54	6.3	8	0.7	62	3.2
Pvt Employee	5	0.6	1	0.1	6	0.3
Other	172	20.1	31	2.9	203	10.6
Not applicable to children	11	1.3	8	0.7	19	1.0
Unknown	177	20.7	157	14.7	334	17.4
Total	855	100.0	1067	100.0	1922	100.0

15. Challenges Faced by Cancer Registry

The registry faces several challenges in data collection and analysis:

- ❖ **Difficulties in coverage due to geography** – The rural landscape of the Ratnagiri district makes it difficult to cover as households are scattered. Address verification by personnel visit takes lot of time as the rural population is scattered at faraway distances and non-availability of transportation in most of the villages.
- ❖ **Lack of Infrastructure in Rural Areas** – Patients travel to various places outside the geographical area of the registry for diagnosis and treatment due to the lack of infrastructure / treatment facilities. Covering each of these centres is a very big challenge.
- ❖ **Difficulties in getting Data from Various Sources** – Exception from few major hospitals /sources, most of the private hospitals or practitioners are reluctant to share the data related to cancer patients. In most of private hospitals, clinics the addresses of patients are not kept in their records. It becomes very difficult to identify their residential address and contact numbers.
- ❖ **Data Unavailability and Incompleteness** – Due to the poor maintenance of medical records at various sources, home visits need to be done for collection of the missing data and to interview the patients/family members. In most of the mortality cases, families don't keep the records after patient death and are hesitant to disclose the information about the patient's disease.
- ❖ **Poor Death Registration** – Many a times, people die due to cancer without access to health care. The cause of death, in mortality data, is unavailable due to lack of medical certification of the deaths. Distance from appropriate health services and lower socioeconomic classes add more to it. This leads to under reporting of cancer.
- ❖ **Hindrances in Follow up** – Active follow-up visits on a regular basis till the patient is alive are difficult due to large geographical catchment area and vast population. Telephonic follow up is also a challenge at times due to non-availability of mobile network / internet connectivity in rural areas.
- ❖ **COVID-19 Pandemic** – During the COVID-19 pandemic, the hospitals/ nursing homes barely allowed the staff to visit them for data collection. At the same time, they could not spare the time for sharing the data electronically. This has definitely caused a delay in reporting of the cases.

16. Description of Statistical Terms Used

Incidence: Cancer incidence noted all new cancer cases diagnosed in a defined population during a given period of time are defined as a Incident case. For this report all, new cancer cases diagnosed from January 1, 2017 to December 31, 2018 in Ratnagiri district have been included.

Mortality: Cancer mortality noted as the number of all cancer deaths occurring in a defined population, in a defined geographic area, during a particular years per 100,000 population. All cancer deaths between January 1, 2017 to December 31, 2018 in Ratnagiri district have been included.

Rates: Rates for cancer are always expressed per 100,000 populations.

Crude Incidence Rate: The crude incidence is the rate at which new cases occur in a population during a specific period.

CIR = $\frac{\text{Number of new cancer cases observed in the period 2017-2018} \times 100,000}{\text{Estimated population of the same year}}$

Estimated population of the same year

This rate is also called the crude rate because it relates to each population as a whole and is influenced by the age structure of each population. Since it is 2-year data the CR is divided by 2.

Age- Specific Rate: This refers to the rate obtained by the division of the total number of cancer cases by the corresponding estimated population in that age group and sex/site/geographic area/period and multiplying by 100,000.

Age- adjusted or Age Standardized Rate (AAR): Age adjusted 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.

Paediatric Cancer Incidence Rate: Age-specific rates are shown for 0-4, 5-9, 10-14 and 15-19 age groups.

Age-adjusted incidence rates were calculated by the direct method, using the age-specific rates for the age groups 0-4, 5-9, 10-14 and 15-19 and the weights of the World

Standard Population for these age groups according to Segi, namely 12,10, 9, and 9. The cumulative incidence rates were calculated as the sum of the age-specific incidence rates for the 5-year age groups, each multiplied by 5, the number of years contained in each age group.

17. Standard Registry Tables

Table 24: Number of Incidence Cancer by Five Year Age Group and Site (ICD 10) 2017-2018- Males Ratnagiri District

% = Relative Proportion of Cancer of All Sites

ICD10	Site	00-04	05-09	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	2	3	-	1	2	-	9	1.1
C01-C02	Tongue	-	-	-	-	-	-	2	3	3	8	8	3	13	6	5	3	54	6.3
C03-C06	Mouth	-	-	-	2	-	1	5	12	19	32	26	21	35	17	14	13	197	23.0
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	3	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	1	1	2	3	-	2	2	-	11	1.3
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	2	8	0.9
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	1	5	0.6
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	3	3	4	4	3	-	6	24	2.8
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	1	-	2	-	2	1	6	0.7
C15	Oesophagus	-	-	-	-	-	-	1	-	2	4	4	12	16	7	2	7	55	6.4
C16	Stomach	-	-	-	-	-	1	-	1	2	2	7	4	13	5	8	2	45	5.3
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	3	0.4
C18	Colon	-	-	-	-	1	-	-	1	2	2	2	4	3	3	-	-	18	2.1
C19-C20	Rectum	-	-	-	-	-	-	1	-	1	-	4	3	3	11	2	1	26	3.0
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	3	0.4
C22	Liver	-	-	-	-	-	-	-	1	1	1	1	1	4	1	3	3	16	1.9
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	1	-	1	3	1	1	7	0.8
C25	Pancreas	-	-	-	-	-	-	1	-	1	1	3	4	4	3	1	1	19	2.2
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	3	0.4
C32	Larynx	-	-	-	-	-	-	-	-	-	-	3	2	5	4	1	3	18	2.1
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	3	-	5	8	9	9	8	2	5	49	5.7
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.1
C40-C41	Bone	-	-	-	3	-	-	-	1	-	-	-	1	1	-	-	-	6	0.7
C43	Melanoma of Skin	-	-	1	-	-	-	-	-	-	-	-	-	2	-	1	-	4	0.5
C44	Other Skin	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	0.2
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	1	-	1	1	-	-	-	1	2	-	1	-	2	3	1	14	1.6
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	3	0.4
C60	Penis	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	2	5	0.6
C61	Prostate	-	-	-	-	-	-	-	-	-	-	5	2	8	6	10	4	35	4.1
C62	Testis	-	-	-	1	2	1	2	-	1	-	-	1	-	-	-	1	9	1.1
C63	Other Male Genital	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.1
C64	Kidney etc.	1	-	-	-	-	-	-	-	-	-	1	-	2	1	2	-	7	0.8
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	1	-	2	2	1	2	1	2	11	1.3
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.1
C70-C72	Brain, Nervous System	3	4	1	1	1	1	2	2	-	-	2	-	4	1	1	1	24	2.8
C73	Thyroid	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	3	0.4
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	1	1	-	1	-	-	1	1	-	-	-	-	-	-	5	0.6
C82-C85, C96	Non-Hodgkin lymphoma	1	1	-	1	1	2	2	3	5	-	2	4	4	3	1	1	31	3.6
C88	Maliglmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	1	1	-	3	1	2	-	1	9	1.1
C91	Lymphoid Leukaemia	2	1	2	-	1	1	-	-	-	1	-	2	-	-	-	-	10	1.2
C92-C94	Myeloid Leukaemia	1	-	-	-	1	-	1	1	-	1	5	1	1	1	-	-	13	1.5
C95	Leukaemia Unspecified	-	-	1	-	-	1	1	1	1	-	-	1	1	1	-	-	8	0.9
Other and Unspecified*		1	-	-	1	-	1	3	3	7	4	7	9	9	14	10	5	74	8.7
Total		10	7	6	11	8	10	22	32	52	76	103	107	151	112	79	69	855	100.0

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

Table 25: Number of Incidence Cancer by Five Year Age Group and Site (ICD 10) 2017-2018- Females Ratnagiri
District % = Relative Proportion of Cancer of All Sites

ICD10	Site	00-04	05-09	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	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	3	0.3
C01-C02	Tongue	-	-	-	-	-	-	-	3	1	4	6	2	5	3	6	1	31	2.9
C03-C06	Mouth	-	-	-	-	-	-	1	2	11	10	17	23	20	11	11	2	108	10.1
C07-C08	Salivary Gland	-	-	-	-	1	-	-	-	2	-	-	1	-	-	-	-	4	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2	0.2
C10	Oth. Oropharynx	-	-	-	-	1	-	-	-	-	1	-	-	-	3	-	-	5	0.5
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	1	1	1	4	2	2	-	3	1	-	15	1.4
C14	Pharynx Unspecified	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.1
C15	Oesophagus	-	-	-	-	-	1	1	5	4	8	2	5	10	11	5	3	55	5.2
C16	Stomach	-	-	-	-	-	1	-	3	1	1	1	4	4	3	1	1	20	1.9
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.1
C18	Colon	-	-	-	-	1	-	-	1	-	1	-	1	2	2	-	-	8	0.7
C19-C20	Rectum	-	-	-	-	-	-	-	1	-	2	5	3	4	4	3	3	25	2.3
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.2
C22	Liver	-	-	-	-	-	-	-	1	-	-	2	1	3	-	3	-	10	0.9
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1	1	3	2	1	-	1	9	0.8
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	-	1	3	4	1	-	10	0.9
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	1	-	-	-	-	-	-	1	1	1	-	4	0.4
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	1	2	-	-	-	4	0.4
C33-C34	Trachea, bronchus and lung	-	-	-	-	1	-	1	-	3	3	3	4	6	5	4	1	31	2.9
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	1	-	4	-	-	-	-	-	-	2	-	-	-	-	-	7	0.7
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	5	0.5
C44	Other Skin	-	-	-	-	1	1	-	-	-	1	3	3	2	3	2	2	18	1.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	1	-	1	3	-	-	-	1	1	-	1	3	1	1	1	15	1.4
C50	Breast	-	-	-	-	1	5	18	24	42	39	45	27	29	19	11	7	267	25.0
C51	Vulva	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	0.2
C52	Vagina	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	3	0.3
C53	Cervix Uteri	-	-	-	-	-	-	1	6	6	11	20	12	18	11	4	8	97	9.1
C54	Corpus Uteri	-	-	-	-	-	1	-	-	4	3	7	3	8	6	2	-	34	3.2
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	1	-	1	1	4	8	15	17	14	5	4	4	4	78	7.3
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.1
C64	Kidney etc.	2	-	-	-	-	-	-	1	-	1	-	-	-	2	-	-	6	0.6
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	4	0.4
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C70-C72	Brain, Nervous System	1	1	1	-	-	1	-	-	1	2	-	-	2	1	-	-	10	0.9
C73	Thyroid	-	-	-	-	2	2	2	3	-	-	2	1	1	3	3	-	19	1.8
C74	Adrenal Gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.1
C81	Hodgkin Disease	-	-	-	1	1	-	-	-	-	1	-	-	-	3	1	-	7	0.7
C82-C85, C96	Non-Hodgkin lymphoma	-	1	1	-	1	1	1	1	2	6	3	1	2	-	1	1	22	2.1
C88	Malignant Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	1	1	3	-	1	-	-	-	6	0.6
C91	Lymphoid Leukaemia	1	-	2	-	-	1	-	-	1	-	-	-	2	1	-	-	8	0.7
C92-C94	Myeloid Leukaemia	1	-	-	-	-	-	3	2	-	1	1	1	-	1	2	-	12	1.1
C95	Leukaemia Unspecified	-	-	2	-	1	-	1	-	1	-	1	2	-	1	-	-	9	0.8
Other and Unspecified*		-	1	1	2	2	1	-	1	7	11	7	11	18	14	7	4	87	8.2
Total		8	5	7	9	16	18	32	60	102	129	151	132	159	124	76	39	1067	100.0

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

**Table 26: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs.)
(TR) Incidence Rate per 100,000 Population 2017-2018 – Males Ratnagiri District**

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	1.0	2.4	4.3	-	1.8	4.1	-	0.6	0.5	1.1
C01-C02	-	-	-	-	-	-	2.3	2.9	2.8	8.0	9.8	4.3	21.2	10.8	10.3	6.0	3.8	3.1	7.5
C03-C06	-	-	-	1.4	-	1.1	5.6	11.7	17.5	31.8	31.7	30.4	57.1	30.5	28.9	26.0	13.9	11.3	28.2
C07-C08	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.8	2.1	-	0.2	0.2	0.2
C09	-	-	-	-	-	-	-	-	0.9	1.0	2.4	4.3	-	3.6	4.1	-	0.8	0.6	1.3
C10	-	-	-	-	-	-	-	-	-	-	1.2	1.4	1.6	1.8	4.1	4.0	0.6	0.4	0.6
C11	-	-	-	-	-	-	-	-	-	-	-	4.3	1.6	-	-	2.0	0.4	0.3	0.8
C12-C13	-	-	-	-	-	-	-	-	0.9	3.0	3.7	5.8	6.5	5.4	-	12.0	1.7	1.3	2.9
C14	-	-	-	-	-	-	-	-	-	-	1.2	-	3.3	-	4.1	2.0	0.4	0.3	0.6
C15	-	-	-	-	-	-	1.1	-	1.8	4.0	4.9	17.4	26.1	12.5	4.1	14.0	3.9	3.1	7.5
C16	-	-	-	-	-	1.1	-	1.0	1.8	2.0	8.5	5.8	21.2	9.0	16.5	4.0	3.2	2.6	5.8
C17	-	-	-	-	-	-	-	-	-	-	1.2	1.4	-	1.8	-	-	0.2	0.2	0.4
C18	-	-	-	-	1.0	-	-	1.0	1.8	2.0	2.4	5.8	4.9	5.4	-	-	1.3	1.1	2.7
C19-C20	-	-	-	-	-	-	1.1	-	0.9	-	4.9	4.3	4.9	19.7	4.1	2.0	1.8	1.5	2.2
C21	-	-	-	-	-	-	-	-	-	-	-	1.4	1.6	-	-	2.0	0.2	0.2	0.4
C22	-	-	-	-	-	-	-	1.0	0.9	1.0	1.2	1.4	6.5	1.8	6.2	6.0	1.1	0.9	1.8
C23-C24	-	-	-	-	-	-	-	-	-	-	1.2	-	1.6	5.4	2.1	2.0	0.5	0.4	0.4
C25	-	-	-	-	-	-	1.1	-	0.9	1.0	3.7	5.8	6.5	5.4	2.1	2.0	1.3	1.1	2.5
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	2.1	2.0	0.2	0.1	0.2
C32	-	-	-	-	-	-	-	-	-	-	3.7	2.9	8.2	7.2	2.1	6.0	1.3	1.0	2.0
C33-C34	-	-	-	-	-	-	-	2.9	-	5.0	9.8	13.0	14.7	14.3	4.1	10.0	3.5	2.8	6.7
C37-C38	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	0.1	0.1	0.2
C40-C41	-	-	-	2.1	-	-	-	1.0	-	-	-	1.4	1.6	-	-	-	0.4	0.4	0.6
C43	-	-	0.7	-	-	-	-	-	-	-	-	-	3.3	-	2.1	-	0.3	0.2	0.4
C44	-	-	-	-	-	-	-	-	-	1.0	-	-	1.6	-	-	-	0.1	0.1	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	1.4	1.0	-	0.7	1.0	-	-	-	0.9	2.0	-	1.4	-	3.6	6.2	2.0	1.0	0.9	0.7
C50	-	-	-	-	-	-	-	-	-	-	-	1.4	-	1.8	2.1	-	0.2	0.2	0.2
C60	-	-	-	-	-	-	-	-	-	2.0	1.2	-	-	-	-	4.0	0.4	0.3	0.6
C61	-	-	-	-	-	-	-	-	-	-	6.1	2.9	13.0	10.8	20.7	8.0	2.5	1.8	3.0
C62	-	-	-	0.7	1.9	1.1	2.3	-	0.9	-	-	1.4	-	-	-	2.0	0.6	0.6	0.4
C63	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C64	1.4	-	-	-	-	-	-	-	-	-	1.2	-	3.3	1.8	4.1	-	0.5	0.5	0.6
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	0.9	-	2.4	2.9	1.6	3.6	2.1	4.0	0.8	0.6	1.2
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	0.1	0.1	0.0
C70-C72	4.1	4.0	0.7	0.7	1.0	1.1	2.3	2.0	-	-	2.4	-	6.5	1.8	2.1	2.0	1.7	2.0	1.6
C73	-	-	-	-	-	-	-	-	-	2.0	1.2	-	-	-	-	-	0.2	0.2	0.6
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	0.7	0.7	-	1.1	-	-	0.9	1.0	-	-	-	-	-	-	0.4	0.3	0.4
C82-C85, C96	1.4	1.0	-	0.7	1.0	2.2	2.3	2.9	4.6	-	2.4	5.8	6.5	5.4	2.1	2.0	2.2	2.0	3.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	0.9	1.0	-	4.3	1.6	3.6	-	2.0	0.6	0.5	1.1
C91	2.8	1.0	1.4	-	1.0	1.1	-	-	-	1.0	-	2.9	-	-	-	-	0.7	0.9	0.6
C92-C94	1.4	-	-	-	1.0	-	1.1	1.0	-	1.0	6.1	1.4	1.6	1.8	-	-	0.9	0.9	1.8
C95	-	-	0.7	-	-	1.1	1.1	1.0	0.9	-	-	1.4	1.6	1.8	-	-	0.6	0.5	0.8
O&U*	1.4	-	-	0.7	-	1.1	3.4	2.9	6.5	4.0	8.5	13.0	14.7	25.1	20.7	10.0	5.2	4.2	7.5
Total	13.8	7.0	4.3	7.8	7.6	11.0	24.8	31.2	48.0	75.5	125.7	154.8	246.2	200.7	163.1	137.9	60.4	50.1	102.0

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

Table 27: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population 2017-2018 – Females Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	1.6	-	0.2	0.1	0.3
C01-C02	-	-	-	-	-	-	-	2.4	0.8	3.8	6.9	2.6	6.3	3.6	9.5	1.5	2.0	1.4	3.6
C03-C06	-	-	-	-	-	-	0.9	1.6	8.9	9.5	19.6	29.9	25.2	13.2	17.4	3.0	7.0	5.2	14.1
C07-C08	-	-	-	-	0.9	-	-	-	1.6	-	-	1.3	-	-	-	-	0.3	0.2	0.5
C09	-	-	-	-	-	-	-	-	0.8	-	-	1.3	-	-	-	-	0.1	0.1	0.3
C10	-	-	-	-	0.9	-	-	-	-	1.0	-	-	-	3.6	-	-	0.3	0.2	0.2
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	0.9	0.8	0.8	3.8	2.3	2.6	-	3.6	1.6	-	1.0	0.7	1.8
C14	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C15	-	-	-	-	-	1.0	0.9	4.0	3.2	7.6	2.3	6.5	12.6	13.2	7.9	4.5	3.5	2.5	5.7
C16	-	-	-	-	-	1.0	-	2.4	0.8	1.0	1.2	5.2	5.0	3.6	1.6	1.5	1.3	1.0	2.3
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C18	-	-	-	-	0.9	-	-	0.8	-	1.0	-	1.3	2.5	2.4	-	-	0.5	0.4	0.8
C19-C20	-	-	-	-	-	-	-	0.8	-	1.9	5.8	3.9	5.0	4.8	4.7	4.5	1.6	1.1	2.6
C21	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	-	-	-	0.1	0.1	0.3
C22	-	-	-	-	-	-	-	0.8	-	-	2.3	1.3	3.8	-	4.7	-	0.6	0.5	1.2
C23-C24	-	-	-	-	-	-	-	-	-	1.0	1.2	3.9	2.5	1.2	-	1.5	0.6	0.4	1.2
C25	-	-	-	-	-	-	-	-	0.8	-	-	1.3	3.8	4.8	1.6	-	0.6	0.4	0.8
C30-C31	-	-	-	-	-	1.0	-	-	-	-	-	-	1.3	1.2	1.6	-	0.3	0.2	0.2
C32	-	-	-	-	-	-	-	-	0.8	-	-	1.3	2.5	-	-	-	0.3	0.2	0.6
C33-C34	-	-	-	-	0.9	-	0.9	-	2.4	2.9	3.5	5.2	7.6	6.0	6.3	1.5	2.0	1.5	3.2
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	1.1	-	3.3	-	-	-	-	-	-	2.3	-	-	-	-	-	0.5	0.5	0.4
C43	-	-	-	-	-	-	-	-	0.8	1.0	1.2	1.3	1.3	-	-	-	0.3	0.3	0.9
C44	-	-	-	-	0.9	1.0	-	-	-	1.0	3.5	3.9	2.5	3.6	3.2	3.0	1.2	0.9	1.6
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	1.5	1.1	-	0.8	2.6	-	-	-	0.8	1.0	-	1.3	3.8	1.2	1.6	1.5	1.0	1.0	1.0
C50	-	-	-	-	0.9	4.8	16.3	19.2	33.8	37.1	51.8	35.1	36.6	22.9	17.4	10.4	17.2	13.5	35.0
C51	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	1.6	-	0.1	0.1	0.2
C52	-	-	-	-	-	-	-	-	0.8	-	-	1.3	1.3	-	-	-	0.2	0.2	0.5
C53	-	-	-	-	-	-	0.9	4.8	4.8	10.5	23.0	15.6	22.7	13.2	6.3	11.9	6.2	4.7	12.5
C54	-	-	-	-	-	1.0	-	-	3.2	2.9	8.1	3.9	10.1	7.2	3.2	0.0	2.2	1.7	4.3
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	0.8	-	1.0	0.9	3.2	6.4	14.3	19.6	18.2	6.3	4.8	6.3	6.0	5.0	4.0	10.9
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C64	3.0	-	-	-	-	-	-	0.8	-	1.0	-	-	-	2.4	-	-	0.4	0.5	0.3
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	2.4	-	-	0.3	0.2	0.3
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.0
C70-C72	1.5	1.1	0.8	-	-	1.0	-	-	0.8	1.9	-	-	2.5	1.2	-	-	0.6	0.7	0.8
C73	-	-	-	-	1.7	1.9	1.8	2.4	-	-	2.3	1.3	1.3	3.6	4.7	-	1.2	1.0	1.2
C74	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.0
C81	-	-	-	0.8	0.9	-	-	-	-	1.0	-	-	-	3.6	1.6	-	0.5	0.3	0.2
C82-C85, C96	-	1.1	0.8	-	0.9	1.0	0.9	0.8	1.6	5.7	3.5	1.3	2.5	-	1.6	1.5	1.4	1.3	2.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	0.8	1.0	3.5	-	1.3	-	-	-	0.4	0.3	1.1
C91	1.5	-	1.5	-	-	1.0	-	-	0.8	-	-	-	2.5	1.2	-	-	0.5	0.6	0.5
C92-C94	1.5	-	-	-	-	-	2.7	1.6	-	1.0	1.2	1.3	-	1.2	3.2	-	0.8	0.7	0.8
C95	-	-	1.5	-	0.9	-	0.9	-	0.8	-	1.2	2.6	-	1.2	-	-	0.6	0.5	0.7
O&U*	-	1.1	0.8	1.6	1.7	1.0	-	0.8	5.6	10.5	8.1	14.3	22.7	16.9	11.1	6.0	5.6	4.3	9.3
Total	12.1	5.4	5.3	7.4	13.8	17.4	29.0	48.0	82.1	122.7	173.8	171.7	200.6	149.3	120.1	58.1	68.7	54.2	125.0

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

Table 28: 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) 2017-2018 – Males

ICD10	Site	0-64 Years		0-74 Years	
		Cu. Rate	Cu. Risk	Cu. Rate	Cu. Risk
C00	Lip	0.0004	0.0004	0.0007	0.0007
C01-C02	Tongue	0.0026	0.0026	0.0036	0.0036
C03-C06	Mouth	0.0094	0.0094	0.0124	0.0124
C07-C08	Salivary Gland	0.0000	0.0000	0.0002	0.0002
C09	Tonsil	0.0004	0.0004	0.0008	0.0008
C10	Oth. Oropharynx	0.0002	0.0002	0.0005	0.0005
C11	Nasopharynx	0.0003	0.0003	0.0003	0.0003
C12-C13	Hypopharynx	0.0010	0.0010	0.0013	0.0013
C14	Pharynx Unspecified	0.0002	0.0002	0.0004	0.0004
C15	Oesophagus	0.0028	0.0028	0.0036	0.0036
C16	Stomach	0.0021	0.0021	0.0033	0.0033
C17	Small Intestine	0.0001	0.0001	0.0002	0.0002
C18	Colon	0.0009	0.0009	0.0012	0.0012
C19-C20	Rectum	0.0008	0.0008	0.0020	0.0020
C21	Anus & Anal Canal	0.0002	0.0002	0.0002	0.0002
C22	Liver	0.0006	0.0006	0.0010	0.0010
C23-C24	Gallbladder etc.	0.0001	0.0001	0.0005	0.0005
C25	Pancreas	0.0010	0.0010	0.0013	0.0013
C30-C31	Nose, Sinuses etc.	0.0001	0.0001	0.0002	0.0002
C32	Larynx	0.0007	0.0007	0.0012	0.0012
C33-C34	Trachea, bronchus and lung	0.0023	0.0023	0.0032	0.0032
C37-C38	Other Thoracic Organs	0.0000	0.0000	0.0000	0.0000
C40-C41	Bone	0.0003	0.0003	0.0003	0.0003
C43	Melanoma of Skin	0.0002	0.0002	0.0003	0.0003
C44	Other Skin	0.0001	0.0001	0.0001	0.0001
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft Tissue	0.0004	0.0004	0.0009	0.0009
C50	Breast	0.0001	0.0001	0.0003	0.0003
C60	Penis	0.0002	0.0002	0.0002	0.0002
C61	Prostate	0.0011	0.0011	0.0027	0.0027
C62	Testis	0.0004	0.0004	0.0004	0.0004
C63	Other Male Genital	0.0001	0.0001	0.0001	0.0001
C64	Kidney etc.	0.0003	0.0003	0.0006	0.0006
C65	Renal Pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Urinary Bladder	0.0004	0.0004	0.0007	0.0007
C68	Unspecified Urinary Organs	-	-	-	-
C69	Eye	0.0000	0.0000	0.0001	0.0001
C70-C72	Brain, Nervous System	0.0012	0.0012	0.0014	0.0014
C73	Thyroid	0.0002	0.0002	0.0002	0.0002
C74	Adrenal Gland	-	-	-	-
C81	Hodgkin Disease	0.0002	0.0002	0.0002	0.0002
C82-C85, C96	Non-Hodgkin lymphoma	0.0015	0.0015	0.0019	0.0019
C88	Maliglmn. Prol D	-	-	-	-
C90	Multiple Myeloma	0.0004	0.0004	0.0006	0.0006
C91	Lymphoid Leukaemia	0.0006	0.0006	0.0006	0.0006
C92-C94	Myeloid Leukaemia	0.0007	0.0007	0.0008	0.0008
C95	Leukaemia Unspecified	0.0004	0.0004	0.0005	0.0005
Other & Unspecified*		0.0028	0.0028	0.0051	0.0051
Total		0.0379	0.0379	0.0561	0.0561

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

Table 29: Cumulative Rate (Cu. Rate) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD 10) Based On Age-Specific Rates (From 0-64 Years and 0-74 Years) 2017-2018 – Females

ICD10	Site	0-64 Years		0-74 Years	
		Cu. Rate	Cu. Risk	Cu. Rate	Cu. Risk
C00	Lip	0.0001	0.0001	0.0002	0.0002
C01-C02	Tongue	0.0011	0.0011	0.0018	0.0018
C03-C06	Mouth	0.0048	0.0048	0.0063	0.0063
C07-C08	Salivary Gland	0.0002	0.0002	0.0002	0.0002
C09	Tonsil	0.0001	0.0001	0.0001	0.0001
C10	Oth. Oropharynx	0.0001	0.0001	0.0003	0.0003
C11	Nasopharynx	-	-	-	-
C12-C13	Hypopharynx	0.0006	0.0006	0.0008	0.0008
C14	Pharynx Unspecified	0.0000	0.0000	0.0000	0.0000
C15	Oesophagus	0.0019	0.0019	0.0030	0.0030
C16	Stomach	0.0008	0.0008	0.0011	0.0011
C17	Small Intestine	0.0000	0.0000	0.0001	0.0001
C18	Colon	0.0003	0.0003	0.0004	0.0004
C19-C20	Rectum	0.0009	0.0009	0.0013	0.0013
C21	Anus & Anal Canal	0.0001	0.0001	0.0001	0.0001
C22	Liver	0.0004	0.0004	0.0006	0.0006
C23-C24	Gallbladder etc.	0.0004	0.0004	0.0005	0.0005
C25	Pancreas	0.0003	0.0003	0.0006	0.0006
C30-C31	Nose, Sinuses etc.	0.0001	0.0001	0.0003	0.0003
C32	Larynx	0.0002	0.0002	0.0002	0.0002
C33-C34	Trachea, bronchus and lung	0.0012	0.0012	0.0018	0.0018
C37-C38	Other Thoracic Organs	-	-	-	-
C40-C41	Bone	0.0003	0.0003	0.0003	0.0003
C43	Melanoma of Skin	0.0003	0.0003	0.0003	0.0003
C44	Other Skin	0.0006	0.0006	0.0010	0.0010
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft Tissue	0.0006	0.0006	0.0008	0.0008
C50	Breast	0.0118	0.0118	0.0138	0.0138
C51	Vulva	0.0000	0.0000	0.0001	0.0001
C52	Vagina	0.0002	0.0002	0.0002	0.0002
C53	Cervix Uteri	0.0041	0.0041	0.0051	0.0051
C54	Corpus Uteri	0.0015	0.0015	0.0020	0.0020
C55	Uterus Unspecified	-	-	-	-
C56	Ovary	0.0035	0.0035	0.0041	0.0041
C57	Other Female Genital	-	-	-	-
C58	Placenta	0.0000	0.0000	0.0000	0.0000
C64	Kidney etc.	0.0002	0.0002	0.0004	0.0004
C65	Renal Pelvis	0.0000	0.0000	0.0000	0.0000
C66	Ureter	0.0000	0.0000	0.0000	0.0000
C67	Urinary Bladder	0.0001	0.0001	0.0002	0.0002
C68	Unspecified Urinary Organs	-	-	-	-
C69	Eye	0.0001	0.0001	0.0001	0.0001
C70-C72	Brain, Nervous System	0.0005	0.0005	0.0005	0.0005
C73	Thyroid	0.0006	0.0006	0.0011	0.0011
C74	Adrenal Gland	0.0001	0.0001	0.0001	0.0001
C81	Hodgkin Disease	0.0001	0.0001	0.0004	0.0004
C82-C85, C96	Non-Hodgkin lymphoma	0.0010	0.0010	0.0011	0.0011
C88	Maliglmn. Prol D	-	-	-	-
C90	Multiple Myeloma	0.0003	0.0003	0.0003	0.0003
C91	Lymphoid Leukaemia	0.0004	0.0004	0.0004	0.0004
C92-C94	Myeloid Leukaemia	0.0005	0.0005	0.0007	0.0007
C95	Leukaemia Unspecified	0.0004	0.0004	0.0005	0.0005
Other & Unspecified*		0.0034	0.0034	0.0048	0.0048
Total		0.0445	0.0445	0.0579	0.0579

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

**Table 30: Number and Proportion of Cancers by Site (ICD 10) and Method of Diagnosis:
2017-2018 - Males Ratnagiri District**

ICD10	Site	<u>Clinical</u>		<u>Radiology</u>		<u>Laboratory Test</u>		<u>Microscopic</u>		<u>DCO/Verbal Autopsy</u>		<u>Total</u>	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
C00	Lip	-	-	-	-	-	-	9	100.0	-	-	9	100.0
C01-C02	Tongue	2	3.7	-	-	-	-	51	94.4	1	1.9	54	100.0
C03-C06	Mouth	10	5.1	1	0.5	-	-	181	91.9	5	2.5	197	100.0
C07-C08	Salivary Glands	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C09	Tonsil	1	9.1	-	-	-	-	10	90.9	-	-	11	100.0
C10	Other Oropharynx	-	-	-	-	-	-	8	100.0	-	-	8	100.0
C11	Nasopharynx	-	-	-	-	-	-	5	100.0	-	-	5	100.0
C12-C13	Hypopharynx	-	-	-	-	-	-	24	100.0	-	-	24	100.0
C14	Pharynx Unspecified	-	-	-	-	-	-	6	100.0	-	-	6	100.0
C15	Oesophagus	4	7.3	1	1.8	-	-	41	74.5	9	16.4	55	100.0
C16	Stomach	1	2.2	-	-	-	-	40	88.9	4	8.9	45	100.0
C17	Small Intestine	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C18	Colon	-	-	-	-	-	-	18	100.0	-	-	18	100.0
C19-C20	Rectum	-	-	1	3.8	-	-	25	96.2	-	-	26	100.0
C21	Anus & Anal Canal	1	33.3	-	-	-	-	2	66.7	-	-	3	100.0
C22	Liver	-	-	-	-	1	6.3	11	68.8	4	25.0	16	100.0
C23-C24	Gall Bladder	2	28.6	1	14.3	-	-	4	57.1	-	-	7	100.0
C25	Pancreas	1	5.3	2	10.5	1	5.3	12	63.2	3	15.8	19	100.0
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C32	Larynx	-	-	-	-	-	-	18	100.0	-	-	18	100.0
C33-C34	Lung	3	6.1	3	6.1	-	-	39	79.6	4	8.2	49	100.0
C37-C38	Other Thoracic Organ	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C40-C41	Bone	-	-	-	-	-	-	5	83.3	1	16.7	6	100.0
C43	Melanoma of skin	-	-	-	-	-	-	4	100.0	-	-	4	100.0
C44	Other Skin	-	-	-	-	-	-	2	100.0	-	-	2	100.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	1	7.1	-	-	13	92.9	-	-	14	100.0
C50	Breast	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C60	Penis	1	20.0	-	-	-	-	4	80.0	-	-	5	100.0
C61	Prostate	1	2.9	3	8.6	1	2.9	30	85.7	-	-	35	100.0
C62	Testis	-	-	1	11.1	-	-	8	88.9	-	-	9	100.0
C63	Other Male genital	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C64	Kidney etc.	-	-	-	-	-	-	7	100.0	-	-	7	100.0
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	1	9.1	-	-	-	-	10	90.9	-	-	11	100.0
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C70-C72	Brain, NS	2	8.3	-	-	-	-	20	83.3	2	8.3	24	100.0
C73	Thyroid	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C74	Adrenal gland	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	5	100.0	-	-	5	100.0
C82-C85&C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	31	100.0	-	-	31	100.0
C88	Maliglmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	9	100.0	-	-	9	100.0
C91	Lymphoid Leukemia	-	-	-	-	-	-	10	100.0	-	-	10	100.0
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	13	100.0	-	-	13	100.0
C95	Leukemia Unspecified	-	-	-	-	-	-	8	100.0	-	-	8	100.0
Other & Unspecified*		6	8.1	3	4.1	-	-	60	81.1	5	6.8	74	100.0
Total		36	4.2	17	2.0	3	0.4	761	89.0	38	4.4	855	100.0

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

**Table 31: Number and Proportion of Cancers by Site (ICD 10) and Method of Diagnosis:
2017-2018 - Females Ratnagiri District**

ICD10	Site	<u>Clinical</u>		<u>Radiology</u>		<u>Laboratory Test</u>		<u>Microscopic</u>		<u>DCO/Verbal Autopsy</u>		<u>Total</u>	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
C00	Lip	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C01-C02	Tongue	-	-	-	-	-	-	29	93.5	2	6.5	31	100.0
C03-C06	Mouth	3	2.8	2	1.9	-	-	101	93.5	2	1.9	108	100.0
C07-C08	Salivary Glands	-	-	-	-	-	-	4	100.0	-	-	4	100.0
C09	Tonsil	-	-	-	-	-	-	2	100.0	-	-	2	100.0
C10	Other Oropharynx	-	-	-	-	-	-	5	100.0	-	-	5	100.0
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	15	100.0	-	-	15	100.0
C14	Pharynx Unspecified	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C15	Oesophagus	1	1.8	1	1.8	-	-	44	80.0	9	16.4	55	100.0
C16	Stomach	2	10.0	-	-	-	-	15	75.0	3	15.0	20	100.0
C17	Small Intestine	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C18	Colon	-	-	-	-	-	-	7	87.5	1	12.5	8	100.0
C19-C20	Rectum	1	4.0	1	4.0	-	-	23	92.0	-	-	25	100.0
C21	Anus & Anal Canal	-	-	-	-	-	-	2	100.0	-	-	2	100.0
C22	Liver	-	-	1	10.0	-	-	8	80.0	1	10.0	10	100.0
C23-C24	Gall Bladder	-	-	3	33.3	-	-	6	66.7	-	-	9	100.0
C25	Pancreas	1	10.0	-	-	1	10.0	7	70.0	1	10.0	10	100.0
C30-C31	Nose, sinuses etc.	-	-	-	-	-	-	4	100.0	-	-	4	100.0
C32	Larynx	-	-	-	-	-	-	4	100.0	-	-	4	100.0
C33-C34	Lung	-	-	2	6.5	-	-	29	93.5	-	-	31	100.0
C37-C38	Other Thoracic Organ	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	6	85.7	1	14.3	7	100.0
C43	Melanoma of skin	-	-	-	-	-	-	5	100.0	-	-	5	100.0
C44	Other Skin	-	-	-	-	-	-	18	100.0	-	-	18	100.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft tissue	-	-	-	-	-	-	15	100.0	-	-	15	100.0
C50	Breast	24	9.0	4	1.5	-	-	235	88.0	4	1.5	267	100.0
C51	Vulva	-	-	-	-	-	-	2	100.0	-	-	2	100.0
C52	Vagina	-	-	-	-	-	-	3	100.0	-	-	3	100.0
C53	Cervix Uteri	5	5.2	-	-	-	-	91	93.8	1	1.0	97	100.0
C54	Corpus Uteri	2	5.9	-	-	-	-	32	94.1	-	-	34	100.0
C55	Uterus unspecified	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	5	6.4	3	3.8	1	1.3	68	87.2	1	1.3	78	100.0
C57	Other female genital	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	1	100.0	-	-	-	-	1	100.0
C64	Kidney etc.	-	-	1	16.7	-	-	5	83.3	-	-	6	100.0
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	4	100.0	-	-	4	100.0
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C70-C72	Brain, NS	-	-	1	10.0	-	-	9	90.0	-	-	10	100.0
C73	Thyroid	-	-	-	-	-	-	18	94.7	1	5.3	19	100.0
C74	Adrenal gland	-	-	-	-	-	-	1	100.0	-	-	1	100.0
C81	Hodgkins Disease	-	-	-	-	-	-	7	100.0	-	-	7	100.0
C82-C85&C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	22	100.0	-	-	22	100.0
C88	Maligmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	6	100.0	-	-	6	100.0
C91	Lymphoid Leukemia	-	-	-	-	-	-	8	100.0	-	-	8	100.0
C92-C94	Myeloid Leukemia	-	-	-	-	-	-	12	100.0	-	-	12	100.0
C95	Leukemia Unspecified	-	-	-	-	-	-	9	100.0	-	-	9	100.0
Other & Unspecified*		8	9.2	2	2.3	-	-	70	80.5	7	8.0	87	100.0
Total		52	4.9	21	2.0	3	0.3	957	89.7	34	3.2	1067	100.0

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

**Table 32: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2017-2018 –
Males Ratnagiri District % Relative Proportion of Cancers of All Sites**

ICD10	Site	00-04	05-09	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	-	2	0.4
C01-C02	Tongue	-	-	-	-	-	1	1	3	-	3	5	3	6	6	3	1	32	6.2
C03-C06	Mouth	-	-	-	1	-	-	1	4	9	18	14	12	10	8	10	10	97	18.7
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	4	0.8
C09	Tonsil	-	-	-	-	-	-	-	-	-	1	-	1	-	3	2	-	7	1.3
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	1	4	0.8
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	-	5	3	4	2	4	6	25	4.8
C14	Pharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C15	Oesophagus	-	-	-	-	-	-	-	-	1	3	4	10	6	8	-	7	39	7.5
C16	Stomach	-	-	-	-	-	-	-	-	1	3	5	4	13	2	6	3	37	7.1
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.4
C18	Colon	-	-	-	-	1	-	1	-	2	-	2	2	-	4	1	2	15	2.9
C19-C20	Rectum	-	-	-	-	-	1	1	1	1	1	-	1	2	6	1	1	16	3.1
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	3	0.6
C22	Liver	-	-	-	-	-	-	-	1	-	-	1	1	4	1	3	2	13	2.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	1	5	1.0
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	3	1	2	1	1	10	1.9
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	3	7	1.3
C33-C34	Trachea, bronchus	-	-	-	-	-	-	-	1	3	4	5	9	5	4	3	2	36	6.9
C37-C38	Other Thoracic	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	3	0.6
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	3	0.6
C44	Other Skin	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	3	0.6
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft	-	-	-	-	-	2	-	-	-	3	-	-	1	2	-	1	9	1.7
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.4
C61	Prostate	-	-	-	-	-	-	-	-	1	-	-	4	4	3	3	5	20	3.8
C62	Testis	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	3	0.6
C63	Other Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	1	-	-	-	-	-	2	-	1	1	-	5	1.0
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	4	-	2	-	1	7	1.3
C68	Unspecified	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.2
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous	-	1	1	-	-	-	1	2	-	1	1	1	1	3	1	-	13	2.5
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C82-C85&C96	Non-Hodgkin lymphoma	-	1	-	1	1	-	1	2	4	2	1	3	3	1	2	-	22	4.2
C88	MaligImn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	1	2	-	2	2	7	1.3
C91	Lymphoid	1	1	-	1	-	-	1	-	-	1	-	1	-	-	-	1	7	1.3
C92-C94	Myeloid	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	0.4
C95	Leukaemia	-	-	-	1	-	1	-	-	1	-	-	-	-	-	1	-	4	0.8
Other and Unspecified*		1	1	-	-	-	1	1	1	2	4	4	4	5	13	4	7	48	9.2
Total		2	4	1	5	4	7	9	16	26	52	52	74	74	78	53	63	520	100.0

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

Table 33: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2017-2018 – Females
Ratnagiri District % = Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	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	1	1	1	5	0.9
C01-C02	Tongue	-	-	-	-	-	-	-	3	-	-	2	-	2	1	3	3	14	2.4
C03-C06	Mouth	-	-	-	-	-	-	-	1	4	1	6	7	10	7	8	3	47	8.1
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	2	4	0.7
C10	Oth. Oropharynx	-	-	-	-	1	-	-	-	-	1	-	1	1	2	1	-	7	1.2
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C12-C13	Hypopharynx	-	-	-	-	-	-	1	-	1	2	1	3	1	3	1	-	13	2.3
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.3
C15	Oesophagus	-	-	-	-	-	1	2	-	3	4	4	5	4	5	4	-	32	5.5
C16	Stomach	-	-	-	-	-	-	1	1	2	-	1	2	2	3	3	2	17	2.9
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C18	Colon	-	-	-	-	1	-	-	-	-	-	1	-	1	-	1	1	5	0.9
C19-C20	Rectum	-	-	-	-	-	-	-	-	1	-	1	2	3	1	-	3	11	1.9
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
C22	Liver	-	-	-	-	-	-	-	1	-	2	-	1	-	1	1	1	7	1.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	1	-	2	-	1	2	2	-	1	-	9	1.6
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	1	2	2	-	1	1	8	1.4
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	1	4	0.7
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	3	2	7	1	3	4	2	2	24	4.2
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	3	0.5
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	1	1	-	3	1	-	6	1.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	-	-	-	2	-	-	-	1	-	-	1	1	3	-	1	10	1.7
C50	Breast	-	-	-	-	-	1	5	10	16	14	13	8	15	14	8	9	113	19.6
C51	Vulva	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	5	0.9
C53	Cervix Uteri	-	-	-	-	-	-	-	-	1	4	8	13	7	9	7	7	56	9.7
C54	Corpus Uteri	-	-	-	-	-	-	-	1	-	1	-	3	1	5	1	3	15	2.6
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	-	-	-	3	5	3	9	5	8	3	5	4	45	7.8
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	0.3
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.2
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	0.3
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	-	1	1	-	-	-	-	-	1	1	-	1	1	-	1	-	7	1.2
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	3	0.5
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.3
C82	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	1	-	3	2	-	1	1	-	-	8	1.4
C85&C96	MaligImn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	0.3
C91	Lymphoid Leukaemia	-	1	-	-	-	1	-	-	-	-	-	-	1	-	1	-	4	0.7
C92-C94	Myeloid Leukaemia	-	-	-	-	-	-	1	1	-	-	-	2	-	1	-	-	5	0.9
C95	Leukaemia Unspecified	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	3	0.5
Other and Unspecified*		-	1	1	2	1	1	-	-	3	9	6	13	11	9	7	6	70	12.1
	Total	1	3	3	3	7	4	13	22	48	49	67	76	83	87	61	50	577	100.0

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

Table 34: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64Yrs.) (TR) Mortality Rate per 100,000 Population: 2017-2018 Males Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	2.1	-	0.1	0.1	0.2
C01-C02	-	-	-	-	-	1.1	1.1	2.9	-	3.0	6.1	4.3	9.8	10.8	6.2	2.0	2.3	1.9	4.0
C03-C06	-	-	-	0.7	-	-	1.1	3.9	8.3	17.9	17.1	17.4	16.3	14.3	20.7	20.0	6.9	5.4	12.9
C07-C08	-	-	-	-	-	-	-	-	-	-	-	4.3	1.6	-	-	-	0.3	0.2	0.8
C09	-	-	-	-	-	-	-	-	-	1.0	-	1.4	-	5.4	4.1	-	0.5	0.4	0.4
C10	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.1	2.0	0.3	0.2	0.4
C11	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	2.0	0.1	0.1	0.2
C12-C13	-	-	-	-	-	-	-	-	0.9	-	6.1	4.3	6.5	3.6	8.3	12.0	1.8	1.3	2.6
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C15	-	-	-	-	-	-	-	-	0.9	3.0	4.9	14.5	9.8	14.3	-	14.0	2.8	2.2	4.7
C16	-	-	-	-	-	-	-	-	0.9	3.0	6.1	5.8	21.2	3.6	12.4	6.0	2.6	2.1	5.2
C17	-	-	-	-	-	-	-	-	-	-	1.2	1.4	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	1.0	-	1.1	-	1.8	-	2.4	2.9	-	7.2	2.1	4.0	1.1	0.8	1.1
C19-C20	-	-	-	-	-	1.1	1.1	1.0	0.9	1.0	0.0	1.4	3.3	10.8	2.1	2.0	1.1	0.9	1.2
C21	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	2.1	2.0	0.2	0.1	0.2
C22	-	-	-	-	-	-	-	1.0	-	-	1.2	1.4	6.5	1.8	6.2	4.0	0.9	0.7	1.4
C23-C24	-	-	-	-	-	-	-	-	-	1.0	1.2	-	-	1.8	2.1	2.0	0.4	0.3	0.4
C25	-	-	-	-	-	-	-	-	-	1.0	1.2	4.3	1.6	3.6	2.1	2.0	0.7	0.5	1.2
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C32	-	-	-	-	-	-	-	-	-	-	-	1.4	1.6	3.6	-	6.0	0.5	0.4	0.4
C33-C34	-	-	-	-	-	-	-	1.0	2.8	4.0	6.1	13.0	8.2	7.2	6.2	4.0	2.5	2.0	5.2
C37-C38	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C40-C41	-	-	-	0.7	1.0	-	-	-	-	-	-	-	1.6	-	-	-	0.2	0.2	0.2
C43	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	2.1	2.0	0.2	0.1	0.2
C44	-	-	-	-	-	-	-	-	-	1.0	-	-	1.6	1.8	-	-	0.2	0.2	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	2.2	-	-	-	3.0	-	-	1.6	3.6	-	2.0	0.6	0.6	0.8
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	0.1	0.1	0.0
C61	-	-	-	-	-	-	-	-	0.9	-	-	5.8	6.5	5.4	6.2	10.0	1.4	1.0	1.8
C62	-	-	-	-	-	-	-	1.0	-	1.0	-	-	-	-	-	2.0	0.2	0.2	0.4
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	1.1	-	-	-	-	-	2.9	-	1.8	2.1	-	0.4	0.3	0.4
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	5.8	-	3.6	-	2.0	0.5	0.4	0.7
C68	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.1	0.1	0.2
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.0	0.7	-	-	-	1.1	2.0	-	1.0	1.2	1.4	1.6	5.4	2.1	-	0.9	0.8	1.2
C73	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	0.1	0.1	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	0.1	0.1	0.0
C82-C85&C96	-	1.0	-	0.7	1.0	-	1.1	2.0	3.7	2.0	1.2	4.3	4.9	1.8	4.1	-	1.6	1.3	2.9
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	1.4	3.3	-	4.1	4.0	0.5	0.4	0.6
C91	1.4	1.0	-	0.7	-	-	1.1	-	-	1.0	-	1.4	-	-	-	2.0	0.5	0.6	0.4
C92-C94	-	-	-	-	1.0	-	1.1	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C95	-	-	-	0.7	-	1.1	-	-	0.9	-	-	-	-	-	2.1	-	0.3	0.2	0.2
O&U*	1.4	1.0	-	-	-	1.1	1.1	1.0	1.8	4.0	4.9	5.8	8.2	23.3	8.3	14.0	3.4	2.8	3.9
Total	2.8	4.0	0.7	3.6	3.8	7.7	10.2	15.6	24.0	51.7	63.5	107.1	120.7	139.8	109.4	125.9	36.7	29.3	57.3

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

Table 35: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35 - 64 Years) (TR)
Mortality Rate per 100,000 Population: 2017-2018 – Females Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	0.8	-	-	-	1.3	1.2	1.6	1.5	0.3	0.2	0.3
C01-C02	-	-	-	-	-	-	-	2.4	-	-	2.3	-	2.5	1.2	4.7	4.5	0.9	0.6	1.2
C03-C06	-	-	-	-	-	-	-	0.8	3.2	1.0	6.9	9.1	12.6	8.4	12.6	4.5	3.0	2.1	4.9
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C09	-	-	-	-	-	-	-	-	0.8	-	1.2	-	-	-	-	3.0	0.3	0.2	0.3
C10	-	-	-	-	0.9	-	-	-	-	1.0	-	1.3	1.3	2.4	1.6	-	0.5	0.3	0.5
C11	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	0.1	0.1	0.2
C12-C13	-	-	-	-	-	-	0.9	-	0.8	1.9	1.2	3.9	1.3	3.6	1.6	-	0.8	0.6	1.4
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	0.1	0.1	0.2
C15	-	-	-	-	-	1.0	1.8	-	2.4	3.8	4.6	6.5	5.0	6.0	6.3	-	2.1	1.6	3.4
C16	-	-	-	-	-	-	0.9	0.8	1.6	-	1.2	2.6	2.5	3.6	4.7	3.0	1.1	0.7	1.3
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C18	-	-	-	-	0.9	-	-	-	-	-	1.2	-	1.3	-	1.6	1.5	0.3	0.2	0.3
C19-C20	-	-	-	-	-	-	-	-	0.8	-	1.2	2.6	3.8	1.2	-	4.5	0.7	0.5	1.2
C21	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	0.1	0.1	0.2
C22	-	-	-	-	-	-	-	0.8	-	1.9	-	1.3	-	1.2	1.6	1.5	0.5	0.3	0.7
C23-C24	-	-	-	-	-	-	0.9	-	1.6	-	1.2	2.6	2.5	-	1.6	-	0.6	0.4	1.2
C25	-	-	-	-	-	-	-	-	0.8	-	1.2	2.6	2.5	-	1.6	1.5	0.5	0.4	1.0
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	0.8	-	-	1.3	-	1.2	-	1.5	0.3	0.2	0.3
C33-C34	-	-	-	-	-	-	-	-	2.4	1.9	8.1	1.3	3.8	4.8	3.2	3.0	1.5	1.1	2.8
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	0.8	1.7	-	-	-	-	-	-	-	-	-	-	-	0.2	0.2	0.0
C43	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	0.1	0.1	0.2
C44	-	-	-	-	-	-	-	-	-	-	1.2	1.3	-	3.6	1.6	-	0.4	0.2	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	1.5	-	-	-	1.7	-	-	-	0.8	-	-	1.3	1.3	3.6	-	1.5	0.6	0.6	0.5
C50	-	-	-	-	-	1.0	4.5	8.0	12.9	13.3	15.0	10.4	18.9	16.9	12.6	13.4	7.3	5.3	12.8
C51	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C52	-	-	-	-	-	-	-	-	-	-	-	-	2.5	3.6	-	-	0.3	0.2	0.3
C53	-	-	-	-	-	-	-	-	0.8	3.8	9.2	16.9	8.8	10.8	11.1	10.4	3.6	2.5	5.7
C54	-	-	-	-	-	-	-	0.8	-	1.0	-	3.9	1.3	6.0	1.6	4.5	1.0	0.6	1.0
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	2.4	4.0	2.9	10.4	6.5	10.1	3.6	7.9	6.0	2.9	2.1	5.6
C57	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.2	-	-	0.1	0.1	0.2
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	1.6	-	0.1	0.1	0.0
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.1	0.8	-	-	-	-	-	0.8	1.0	-	1.3	1.3	-	1.6	-	0.5	0.4	0.7
C73	-	-	-	-	-	-	-	-	-	-	1.2	-	-	1.2	1.6	-	0.2	0.1	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	0.1	0.1	0.0
C82-C85&C96	-	-	-	-	-	-	-	0.8	-	2.9	2.3	-	1.3	1.2	-	-	0.5	0.4	1.2
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	1.2	-	1.3	-	-	-	0.1	0.1	0.3
C91	-	1.1	-	-	-	1.0	-	-	-	-	-	-	1.3	-	1.6	-	0.3	0.3	0.2
C92-C94	-	-	-	-	-	-	0.9	0.8	-	-	-	2.6	-	1.2	-	-	0.3	0.2	0.5
C95	-	-	0.8	-	-	-	0.9	-	-	-	-	1.3	-	-	-	-	0.2	0.2	0.2
O&U*	-	1.1	0.8	1.6	0.9	1.0	-	-	2.4	8.6	6.9	16.9	13.9	10.8	11.1	8.9	4.5	3.4	7.2
Total	1.5	3.2	2.3	2.5	6.0	3.9	11.8	17.6	38.6	46.6	77.1	98.8	104.7	104.7	96.4	74.4	37.2	27.2	58.6

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

Standard Registry Tables 2017

Table 36: Number of Incidence Cancers by Five Year Age Group and Sites (ICD 10): 2017 Males Ratnagiri

District % = Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	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	-	-	1	1	-	4	0.9
C01-C02	Tongue	-	-	-	-	-	-	-	1	1	5	4	-	7	4	2	2	26	6.2
C03-C06	Mouth	-	-	-	1	-	1	3	3	8	14	10	15	21	5	8	7	96	22.7
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	3	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	-	5	1.2
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	4	0.9
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	3	0.7
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	1	3	2	3	1	-	3	13	3.1
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	3	0.7
C15	Oesophagus	-	-	-	-	-	-	1	-	2	4	3	1	8	2	1	4	26	6.2
C16	Stomach	-	-	-	-	-	-	-	-	2	1	4	2	7	3	2	1	22	5.2
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.5
C18	Colon	-	-	-	-	-	-	-	1	-	1	1	2	2	3	-	-	10	2.4
C19-C20	Rectum	-	-	-	-	-	-	1	-	-	-	1	-	3	6	1	-	12	2.8
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	1	-	1	2	1	3	-	8	1.9
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	0.7
C25	Pancreas	-	-	-	-	-	-	1	-	-	-	-	1	1	2	-	-	5	1.2
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	0.5
C32	Larynx	-	-	-	-	-	-	-	-	-	-	3	1	2	3	-	-	9	2.1
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	1	-	4	7	4	6	4	2	2	30	7.1
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	2	0.5
C43	Melanoma of Skin	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C44	Other Skin	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	0.5
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	0.7
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	3	0.7
C60	Penis	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	1	4	0.9
C61	Prostate	-	-	-	-	-	-	-	-	-	-	2	1	4	6	5	2	20	4.7
C62	Testis	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	1	5	1.2
C63	Other Male Genital	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.2
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	0.7
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	1	-	1	1	-	1	-	-	4	0.9
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	1	1	-	-	-	-	-	2	-	-	2	-	1	1	1	1	10	2.4
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	2	0.5
C82-C85&C96	Non-Hodgkin lymphoma	-	-	-	-	-	2	1	3	4	-	1	2	1	1	1	-	16	3.8
C88	Maligmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	-	2	1	1	-	1	6	1.4
C91	Lymphoid Leukaemia	2	-	1	-	-	1	-	-	-	1	-	1	-	-	-	-	6	1.4
C92-C94	Myeloid Leukaemia	1	-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	5	1.2
C95	Leukaemia Unspecified	-	-	1	-	-	1	1	1	1	-	-	-	1	1	-	-	7	1.7
Other and Unspecified*		-	-	-	1	-	-	3	2	2	2	3	6	4	8	4	1	36	8.5
Total		4	1	4	3	0	7	14	16	22	41	52	48	81	61	38	30	422	100.0

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

Table 37: Number of Incidence Cancers by Five Year Age Group and Sites (ICD 10): 2017 Females Ratnagiri
District % = Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	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	-	2	0.4
C01-C02	Tongue	-	-	-	-	-	-	-	2	-	2	2	-	3	2	3	1	15	2.7
C03-C06	Mouth	-	-	-	-	-	-	-	1	8	7	12	15	9	6	5	1	64	11.7
C07-C08	Salivary Gland	-	-	-	-	1	-	-	-	2	-	-	1	-	-	-	-	4	0.7
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2	0.4
C10	Oth. Oropharynx	-	-	-	-	1	-	-	-	-	-	-	-	-	3	-	-	4	0.7
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	1	-	2	1	1	-	3	-	-	8	1.5
C14	Pharynx Unspecified	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.2
C15	Oesophagus	-	-	-	-	-	-	1	2	3	6	1	3	4	6	2	2	30	5.5
C16	Stomach	-	-	-	-	-	-	-	2	1	-	1	3	3	-	-	-	10	1.8
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	1	-	1	-	1	2	-	-	-	5	0.9
C19-C20	Rectum	-	-	-	-	-	-	-	1	-	1	3	2	3	3	1	2	16	2.9
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	4	0.7
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1	1	3	2	-	-	1	8	1.5
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	-	1	2	-	-	-	4	0.7
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	2	1	3	2	3	3	1	-	15	2.7
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	4	0.7
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	0.4
C44	Other Skin	-	-	-	-	-	1	-	-	-	1	2	2	-	3	1	1	11	2.0
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	1	3	-	-	-	-	-	-	-	2	1	-	1	8	1.5
C50	Breast	-	-	-	-	1	3	8	12	26	15	17	16	12	10	4	3	127	23.1
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.4
C53	Cervix Uteri	-	-	-	-	-	-	1	3	2	5	10	5	8	5	3	5	47	8.6
C54	Corpus Uteri	-	-	-	-	-	-	-	-	2	2	2	1	5	3	-	-	15	2.7
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	1	-	-	1	2	4	7	7	9	5	4	2	2	44	8.0
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	3	0.5
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	-	1	-	-	-	1	-	-	1	1	-	-	-	-	-	-	4	0.7
C73	Thyroid	-	-	-	-	-	-	-	1	-	-	-	-	1	1	2	-	5	0.9
C74	Adrenal Gland	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C81	Hodgkin Disease	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	2	0.4
C82-C85&C96	Non-Hodgkin lymphoma	-	1	-	-	1	-	-	-	1	2	3	1	2	-	-	1	12	2.2
C88	Maliglmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	3	0.5
C91	Lymphoid Leukaemia	1	-	1	-	-	-	-	-	1	-	-	-	1	-	-	-	4	0.7
C92-C94	Myeloid Leukaemia	-	-	-	-	-	-	3	1	-	1	-	-	-	-	1	-	6	1.1
C95	Leukaemia Unspecified	-	-	1	-	1	-	1	-	1	-	-	1	-	1	-	-	6	1.1
Other and Unspecified*		-	1	-	1	1	-	-	-	5	6	3	7	12	8	3	1	48	8.7
Total		2	4	2	6	10	6	16	30	63	63	69	77	84	65	31	21	549	100.0

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

Table 38: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population 2017 – Males Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	1.0	1.2	-	-	1.8	2.1	-	0.3	0.2	0.4
C01-C02	-	-	-	-	-	-	-	1.0	0.9	5.0	4.9	-	11.4	7.2	4.1	4.0	1.8	1.5	3.6
C03-C06	-	-	-	0.7	-	1.1	3.4	2.9	7.4	13.9	12.2	21.7	34.2	9.0	16.5	14.0	6.8	5.5	13.9
C07-C08	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.8	2.1	-	0.2	0.2	0.2
C09	-	-	-	-	-	-	-	-	-	1.0	1.2	1.4	-	1.8	2.1	-	0.4	0.3	0.6
C10	-	-	-	-	-	-	-	-	-	-	-	1.4	1.6	-	2.1	2.0	0.3	0.2	0.4
C11	-	-	-	-	-	-	-	-	-	-	-	1.4	1.6	-	-	2.0	0.2	0.2	0.4
C12-C13	-	-	-	-	-	-	-	-	-	1.0	3.7	2.9	4.9	1.8	-	6.0	0.9	0.7	1.8
C14	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	4.1	-	0.2	0.1	0.2
C15	-	-	-	-	-	-	1.1	-	1.8	4.0	3.7	1.4	13.0	3.6	2.1	8.0	1.8	1.5	3.6
C16	-	-	-	-	-	-	-	-	1.8	1.0	4.9	2.9	11.4	5.4	4.1	2.0	1.6	1.3	3.2
C17	-	-	-	-	-	-	-	-	-	-	1.2	1.4	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	-	-	-	1.0	-	1.0	1.2	2.9	3.3	5.4	-	-	0.7	0.6	1.4
C19-C20	-	-	-	-	-	-	1.1	-	-	-	1.2	-	4.9	10.8	2.1	-	0.8	0.7	0.8
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	1.0	-	1.4	3.3	1.8	6.2	-	0.6	0.4	0.8
C23-C24	-	-	-	-	-	-	-	-	-	-	1.2	-	1.6	1.8	-	-	0.2	0.2	0.4
C25	-	-	-	-	-	-	1.1	-	-	-	-	1.4	1.6	3.6	-	-	0.4	0.3	0.4
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	2.0	0.1	0.1	0.2
C32	-	-	-	-	-	-	-	-	-	-	3.7	1.4	3.3	5.4	-	-	0.6	0.5	1.2
C33-C34	-	-	-	-	-	-	-	1.0	-	4.0	8.5	5.8	9.8	7.2	4.1	4.0	2.1	1.7	4.3
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	-	-	-	1.0	-	-	-	-	1.6	-	-	-	0.1	0.1	0.4
C43	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C44	-	-	-	-	-	-	-	-	-	1.0	-	-	1.6	-	-	-	0.1	0.1	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	2.1	2.0	0.2	0.1	0.0
C50	-	-	-	-	-	-	-	-	-	-	-	1.4	-	1.8	2.1	-	0.2	0.2	0.2
C60	-	-	-	-	-	-	-	-	-	2.0	1.2	-	-	-	-	2.0	0.3	0.2	0.6
C61	-	-	-	-	-	-	-	-	-	-	2.4	1.4	6.5	10.8	10.3	4.0	1.4	1.0	1.4
C62	-	-	-	0.7	-	1.1	1.1	-	0.9	-	-	-	-	-	-	2.0	0.4	0.3	0.2
C63	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C64	-	-	-	-	-	-	-	-	-	-	1.2	-	1.6	1.8	-	-	0.2	0.2	0.4
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	1.2	1.4	-	1.8	-	-	0.3	0.2	0.6
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	1.4	1.0	-	-	-	-	-	2.0	-	-	2.4	-	1.6	1.8	2.1	2.0	0.7	0.7	1.0
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	0.7	-	-	1.1	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.0
C82-C85&C96	-	-	-	-	-	2.2	1.1	2.9	3.7	-	1.2	2.9	1.6	1.8	2.1	-	1.1	1.0	2.1
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	1.0	-	2.9	1.6	1.8	-	2.0	0.4	0.3	0.8
C91	2.8	-	0.7	-	-	1.1	-	-	-	1.0	-	1.4	-	-	-	-	0.4	0.6	0.4
C92-C94	1.4	-	-	-	-	-	1.1	1.0	-	-	-	1.4	-	1.8	-	-	0.4	0.4	0.4
C95	-	-	0.7	-	-	1.1	1.1	1.0	0.9	-	-	-	1.6	1.8	-	-	0.5	0.5	0.6
O&U*	-	-	-	0.7	-	-	3.4	2.0	1.8	2.0	3.7	8.7	6.5	14.3	8.3	2.0	2.5	2.0	3.7
Total	5.5	1.0	2.8	2.1	0.0	7.7	15.8	15.6	20.3	40.8	63.5	69.5	132.1	109.3	78.5	60.0	29.8	24.7	51.1

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

**Table 39: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs.)
(TR) Incidence Rate per 100,000 Population 2017 – Females Ratnagiri District**

ICD 10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	1.6	-	0.1	0.1	0.2
C01-C02	-	-	-	-	-	-	-	1.6	-	1.9	2.3	-	3.8	2.4	4.7	1.5	1.0	0.7	1.5
C03-C06	-	-	-	-	-	-	-	0.8	6.4	6.7	13.8	19.5	11.4	7.2	7.9	1.5	4.1	3.2	8.9
C07-C08	-	-	-	-	0.9	-	-	-	1.6	-	-	1.3	-	-	-	-	0.3	0.2	0.5
C09	-	-	-	-	-	-	-	-	0.8	-	-	1.3	-	-	-	-	0.1	0.1	0.3
C10	-	-	-	-	0.9	-	-	-	-	-	-	-	-	3.6	-	-	0.3	0.2	0.0
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	0.8	-	1.9	1.2	1.3	-	3.6	-	-	0.5	0.4	0.9
C14	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C15	-	-	-	-	-	-	-	0.9	1.6	2.4	5.7	1.2	3.9	5.0	7.2	3.2	1.9	1.4	3.2
C16	-	-	-	-	-	-	-	1.6	0.8	-	1.2	3.9	3.8	-	-	-	0.6	0.5	1.6
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	0.8	-	1.0	-	1.3	2.5	-	-	-	0.3	0.3	0.8
C19-C20	-	-	-	-	-	-	-	0.8	-	1.0	3.5	2.6	3.8	3.6	1.6	3.0	1.0	0.7	1.7
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	-	3.2	-	0.3	0.2	0.3
C23-C24	-	-	-	-	-	-	-	-	-	1.0	1.2	3.9	2.5	-	-	1.5	0.5	0.4	1.2
C25	-	-	-	-	-	-	-	-	0.8	-	-	1.3	2.5	-	-	-	0.3	0.2	0.6
C30-C31	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C32	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	0.1	0.0	0.2
C33-C34	-	-	-	-	-	-	-	-	1.6	1.0	3.5	2.6	3.8	3.6	1.6	-	1.0	0.7	1.9
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	1.1	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.3	0.0
C43	-	-	-	-	-	-	-	-	-	1.0	-	-	1.3	-	-	-	0.1	0.1	0.3
C44	-	-	-	-	-	1.0	-	-	-	1.0	2.3	2.6	-	3.6	1.6	1.5	0.7	0.5	0.9
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	0.8	2.6	-	-	-	-	-	-	-	2.5	1.2	-	1.5	0.5	0.4	0.3
C50	-	-	-	-	0.9	2.9	7.2	9.6	20.9	14.3	19.6	20.8	15.1	12.0	6.3	4.5	8.2	6.4	16.5
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	-	-	-	0.1	0.1	0.3
C53	-	-	-	-	-	-	0.9	2.4	1.6	4.8	11.5	6.5	10.1	6.0	4.7	7.4	3.0	2.2	5.7
C54	-	-	-	-	-	-	-	-	1.6	1.9	2.3	1.3	6.3	3.6	-	-	1.0	0.7	2.0
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	0.8	-	-	0.9	1.6	3.2	6.7	8.1	11.7	6.3	4.8	3.2	3.0	2.8	2.2	5.8
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	0.8	-	-	-	-	-	2.4	-	-	0.2	0.1	0.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.1	-	-	-	1.0	-	-	0.8	1.0	-	-	-	-	-	-	0.3	0.3	0.3
C73	-	-	-	-	-	-	-	0.8	-	-	-	-	1.3	1.2	3.2	-	0.3	0.2	0.3
C74	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.0
C81	-	-	-	-	0.9	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C82-C85&C96	-	1.1	-	-	0.9	-	-	-	0.8	1.9	3.5	1.3	2.5	-	-	1.5	0.8	0.7	1.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	0.8	-	1.2	-	1.3	-	-	-	0.2	0.2	0.5
C91	1.5	-	0.8	-	-	-	-	-	0.8	-	-	-	1.3	-	-	-	0.3	0.3	0.3
C92-C94	-	-	-	-	-	-	2.7	0.8	-	1.0	-	-	-	-	1.6	-	0.4	0.3	0.3
C95	-	-	0.8	-	0.9	-	0.9	-	0.8	-	-	1.3	-	1.2	-	-	0.4	0.3	0.3
O&U*	-	1.1	-	0.8	0.9	-	-	-	4.0	5.7	3.5	9.1	15.1	9.6	4.7	1.5	3.1	2.4	5.6
Total	3.0	4.3	1.5	4.9	8.6	5.8	14.5	24.0	50.7	59.9	79.4	100.1	106.0	78.3	49.0	31.3	35.4	27.6	65.5

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

Table 40: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2017 – Males Ratnagiri**District % Relative Proportion of Cancers of All Sites**

ICD10	Site	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.4
C01-C02	Tongue	-	-	-	-	-	1	-	3	-	2	4	2	5	4	1	-	22	9.0
C03-C06	Mouth	-	-	-	-	-	-	-	1	4	5	8	9	4	4	6	2	43	17.6
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	0.8
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	0.8
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	0.8
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	-	3	2	2	1	3	4	16	6.6
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C15	Oesophagus	-	-	-	-	-	-	-	-	-	3	1	2	4	2	-	3	15	6.1
C16	Stomach	-	-	-	-	-	-	-	-	1	1	2	2	6	-	3	2	17	7.0
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-	-	1	2	-	2	-	-	5	2.0
C19-C20	Rectum	-	-	-	-	-	1	-	-	1	1	-	1	-	5	-	1	10	4.1
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C22	Liver	-	-	-	-	-	-	-	-	-	-	1	-	3	1	3	-	8	3.3
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.4
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	3	1.2
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	1	3	4	2	4	1	2	1	18	7.4
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	3	1.2
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.8
C44	Other Skin	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	0.8
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	-	4	1.6
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.8
C61	Prostate	-	-	-	-	-	-	-	-	1	-	-	1	2	2	3	3	12	4.9
C62	Testis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.4
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	0.8
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	3	1.2
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	-	-	-	-	-	-	1	1	-	1	1	-	1	2	-	-	7	2.9
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85&C96	Non-Hodgkin lymphoma	-	-	-	-	1	-	-	2	3	2	1	2	2	-	1	-	14	5.7
C88	MaligImn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	0.8
C91	Lymphoid Leukaemia	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	3	1.2
C92-C94	Myeloid Leukaemia	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.4
C95	Leukaemia Unspecified	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	3	1.2
Other and Unspecified*		-	1	-	-	-	-	-	-	-	2	1	1	2	4	1	1	13	5.3
Total		-	1	-	2	2	4	3	7	13	27	28	32	40	34	27	24	244	100.0

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

Table 41: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2017 – Females Ratnagiri
District % Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.4
C01-C02	Tongue	-	-	-	-	-	-	-	1	-	-	1	-	1	1	2	1	7	2.5
C03-C06	Mouth	-	-	-	-	-	-	-	1	4	1	2	2	4	5	4	2	25	8.9
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	0.7
C10	Oth. Oropharynx	-	-	-	-	1	-	-	-	-	-	-	-	1	1	1	-	4	1.4
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	2	-	-	1	1	1	-	6	2.1
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	0.7
C15	Oesophagus	-	-	-	-	-	-	-	-	1	2	-	5	3	1	1	-	13	4.6
C16	Stomach	-	-	-	-	-	-	-	1	2	-	1	-	-	-	1	1	6	2.1
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	3	1.1
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	2	5	1.8
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	Liver	-	-	-	-	-	-	-	1	-	2	-	1	-	1	1	1	7	2.5
C23-C24	Gallbladder etc.	-	-	-	-	-	-	1	-	1	-	-	1	2	-	1	-	6	2.1
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	3	1.1
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	1	4	1.4
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	1	1	3	1	1	1	2	-	10	3.5
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	0.7
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	0.7
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	3	1.1
C50	Breast	-	-	-	-	-	-	-	7	8	10	5	5	9	4	4	4	56	19.9
C51	Vulva	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.4
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	0.7
C53	Cervix Uteri	-	-	-	-	-	-	-	-	-	2	2	5	2	6	4	2	23	8.2
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	1	-	3	-	2	1	-	7	2.5
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	-	-	-	3	4	2	2	4	6	1	2	3	27	9.6
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	0.7
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	-	1	1	-	-	-	-	-	1	-	-	-	1	-	1	-	5	1.8
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85&C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	1.1
C88	MaligImn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.4
C91	Lymphoid Leukaemia	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	0.7
C92-C94	Myeloid Leukaemia	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	3	1.1
C95	Leukaemia Unspecified	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	2	0.7
Other and Unspecified*		-	-	-	1	-	1	-	-	2	3	3	7	4	5	5	3	34	12.1
	Total	-	2	1	1	4	1	3	15	27	28	22	40	42	36	36	24	282	100.0

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

Table 42: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 Yrs.) (TR)
Mortality Rate per 100,000 Population: 2017 Males

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C01-C02	-	-	-	-	-	1.1	-	2.9	-	2.0	4.9	2.9	8.2	7.2	2.1	-	1.6	1.3	3.2
C03-C06	-	-	-	-	-	-	-	1.0	3.7	5.0	9.8	13.0	6.5	7.2	12.4	4.0	3.0	2.4	6.0
C07-C08	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	0.1	0.1	0.2
C09	-	-	-	-	-	-	-	-	-	-	-	1.4	-	1.8	-	-	0.1	0.1	0.2
C10	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	2.1	-	0.1	0.1	0.2
C11	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	2.0	0.1	0.1	0.2
C12-C13	-	-	-	-	-	-	-	-	-	-	3.7	2.9	3.3	1.8	6.2	8.0	1.1	0.8	1.6
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C15	-	-	-	-	-	-	-	-	-	3.0	1.2	2.9	6.5	3.6	-	6.0	1.1	0.8	2.0
C16	-	-	-	-	-	-	-	-	0.9	1.0	2.4	2.9	9.8	-	6.2	4.0	1.2	0.9	2.4
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	1.2	2.9	-	3.6	-	-	0.4	0.3	0.6
C19-C20	-	-	-	-	-	1.1	-	-	0.9	1.0	-	1.4	-	9.0	-	2.0	0.7	0.6	0.6
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C22	-	-	-	-	-	-	-	-	-	-	1.2	-	4.9	1.8	6.2	-	0.6	0.4	0.8
C23-C24	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	0.1	0.1	0.0
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	1.4	1.6	-	-	2.0	0.2	0.2	0.4
C33-C34	-	-	-	-	-	-	-	-	0.9	3.0	4.9	2.9	6.5	1.8	4.1	2.0	1.3	1.0	2.8
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	0.7	1.0	-	-	-	-	-	-	-	1.6	-	-	-	0.2	0.2	0.2
C43	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	2.1	-	0.1	0.1	0.2
C44	-	-	-	-	-	-	-	-	-	1.0	-	-	1.6	-	-	-	0.1	0.1	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	1.1	-	-	-	1.0	-	-	-	3.6	-	-	0.3	0.3	0.2
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	0.1	0.1	0.0
C61	-	-	-	-	-	-	-	-	0.9	-	-	1.4	3.3	3.6	6.2	6.0	0.8	0.6	0.8
C62	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	2.1	-	0.1	0.1	0.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	2.0	0.2	0.2	0.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	1.1	1.0	-	1.0	1.2	-	1.6	3.6	-	-	0.5	0.4	0.8
C73	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	0.1	0.1	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85&C96	-	-	-	-	1.0	-	-	2.0	2.8	2.0	1.2	2.9	3.3	-	2.1	-	1.0	0.8	2.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	2.0	0.1	0.1	0.0
C91	-	-	-	-	-	-	1.1	-	-	1.0	-	-	-	-	-	2.0	0.2	0.2	0.2
C92-C94	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C95	-	-	-	0.7	-	1.1	-	-	0.9	-	-	-	-	-	-	-	0.2	0.2	0.2
O&U*	-	1.0	-	-	-	-	-	-	-	2.0	1.2	1.4	3.3	7.2	2.1	2.0	0.9	0.8	1.2
Total	-	1.0	-	1.4	1.9	4.4	3.4	6.8	12.0	26.8	34.2	46.3	65.2	60.9	55.8	48.0	17.2	13.7	28.7

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

Table 43: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 Yrs.) (TR)

Mortality Rate per 100,000 Population: 2017 Females

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	0.1	0.0	0.0
C01-C02	-	-	-	-	-	-	-	0.8	-	-	1.2	-	1.3	1.2	3.2	1.5	0.5	0.3	0.5
C03-C06	-	-	-	-	-	-	-	0.8	3.2	1.0	2.3	2.6	5.0	6.0	6.3	3.0	1.6	1.1	2.3
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C09	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	1.5	0.1	0.1	0.2
C10	-	-	-	-	0.9	-	-	-	-	-	-	-	1.3	1.2	1.6	-	0.3	0.2	0.2
C11	-	-	-	-	-	-	-	-	-	-	-	-	1.3	0.0	0.0	-	0.1	0.1	0.2
C12-C13	-	-	-	-	-	-	-	-	0.8	1.9	-	-	1.3	1.2	1.6	-	0.4	0.3	0.7
C14	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	1.6	-	0.1	0.1	0.2
C15	-	-	-	-	-	-	-	-	0.8	1.9	-	6.5	3.8	1.2	1.6	-	0.8	0.6	1.9
C16	-	-	-	-	-	-	-	0.8	1.6	-	1.2	-	-	-	1.6	1.5	0.4	0.3	0.7
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	1.6	1.5	0.2	0.1	0.2
C19-C20	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	1.2	-	3.0	0.3	0.2	0.3
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	0.8	-	1.9	-	1.3	-	1.2	1.6	1.5	0.5	0.3	0.7
C23-C24	-	-	-	-	-	-	0.9	-	0.8	-	-	1.3	2.5	-	1.6	-	0.4	0.3	0.6
C25	-	-	-	-	-	-	-	-	-	-	1.2	1.3	-	-	-	1.5	0.2	0.1	0.4
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	0.8	-	-	1.3	-	1.2	-	1.5	0.3	0.2	0.3
C33-C34	-	-	-	-	-	-	-	-	0.8	1.0	3.5	1.3	1.3	1.2	3.2	0.0	0.6	0.5	1.2
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C43	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	0.1	0.1	0.2
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	1.6	-	0.1	0.1	0.0
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	0.9	-	-	-	-	-	-	1.3	-	-	-	1.5	0.2	0.2	0.2
C50	-	-	-	-	-	-	-	5.6	6.4	9.5	5.8	6.5	11.4	4.8	6.3	6.0	3.6	2.7	7.4
C51	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C52	-	-	-	-	-	-	-	-	-	-	-	-	1.3	1.2	-	-	0.1	0.1	0.2
C53	-	-	-	-	-	-	-	-	-	1.9	2.3	6.5	2.5	7.2	6.3	3.0	1.5	1.0	1.9
C54	-	-	-	-	-	-	-	-	-	1.0	-	3.9	-	2.4	1.6	-	0.5	0.3	0.7
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	2.4	3.2	1.9	2.3	5.2	7.6	1.2	3.2	4.5	1.7	1.3	3.5
C57	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.2	-	-	0.1	0.1	0.2
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.1	0.8	-	-	-	-	-	0.8	-	-	-	1.3	-	1.6	-	0.3	0.3	0.3
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82-C85&C96	-	-	-	-	-	-	-	-	-	-	1.2	-	1.3	1.2	-	-	0.2	0.1	0.3
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	0.1	0.1	0.2
C91	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	0.1	0.1	0.0
C92-C94	-	-	-	-	-	-	0.9	0.8	-	-	-	1.3	-	-	-	-	0.2	0.2	0.3
C95	-	-	-	-	-	-	0.9	-	-	-	-	1.3	-	-	-	-	0.1	0.1	0.2
O&U*	-	-	-	0.8	-	1.0	-	-	1.6	2.9	3.5	9.1	5.0	6.0	7.9	4.5	2.2	1.6	3.2
Total	-	2.2	0.8	0.8	3.4	1.0	2.7	12.0	21.7	26.6	25.3	52.0	53.0	43.3	56.9	35.7	18.2	13.1	29.3

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

Standard Registry Tables 2018

Table 44: Number of Incidence Cancers by Five Year Age Group and Sites (ICD 10): 2018 Males Ratnagiri
District % = Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	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	3	-	-	1	-	5	1.2
C01-C02	Tongue	-	-	-	-	-	-	2	2	2	3	4	3	6	2	3	1	28	6.5
C03-C06	Mouth	-	-	-	1	-	-	2	9	11	18	16	6	14	12	6	6	101	23.3
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	1	2	-	1	1	-	6	1.4
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	4	0.9
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	0.5
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	1	2	-	2	1	2	-	3	11	2.5
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	3	0.7
C15	Oesophagus	-	-	-	-	-	-	-	-	-	-	1	11	8	5	1	3	29	6.7
C16	Stomach	-	-	-	-	-	1	-	1	-	1	3	2	6	2	6	1	23	5.3
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C18	Colon	-	-	-	-	1	-	-	-	2	1	1	2	1	-	-	-	8	1.8
C19-C20	Rectum	-	-	-	-	-	-	-	-	1	-	3	3	-	5	1	1	14	3.2
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	3	0.7
C22	Liver	-	-	-	-	-	-	-	1	1	-	1	-	2	-	-	3	8	1.8
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	4	0.9
C25	Pancreas	-	-	-	-	-	-	-	-	1	1	3	3	3	1	1	1	14	3.2
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.2
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	1	3	1	1	3	9	2.1
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	2	-	1	1	5	3	4	-	3	19	4.4
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C40-C41	Bone	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	4	0.9
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	3	0.7
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	1	-	1	1	-	-	-	1	2	-	1	-	1	2	-	11	2.5
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2
C61	Prostate	-	-	-	-	-	-	-	-	-	-	3	1	4	-	5	2	15	3.5
C62	Testis	-	-	-	-	2	-	1	-	-	-	-	1	-	-	-	-	4	0.9
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	1	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	4	0.9
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	7	1.6
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C70-C72	Brain, Nervous System	2	3	1	1	1	1	2	-	-	-	-	-	3	-	-	-	14	3.2
C73	Thyroid	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	3	0.7
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	3	0.7
C82-C85&C96	Non-Hodgkin lymphoma	1	1	-	1	1	-	1	-	1	-	1	2	3	2	-	1	15	3.5
C88	MaligImn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	3	0.7
C91	Lymphoid Leukaemia	-	1	1	-	1	-	-	-	-	-	-	1	-	-	-	-	4	0.9
C92-C94	Myeloid Leukaemia	-	-	-	-	1	-	-	-	-	1	5	-	1	-	-	-	8	1.8
C95	Leukaemia Unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.2
Other and Unspecified*		1	-	-	-	-	1	-	1	5	2	4	3	5	6	6	4	38	8.8
Total		6	6	2	8	8	3	8	16	30	35	51	59	70	51	41	39	433	100.0

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

Table 45: Number of Incidence Cancers by Five Year Age Group and Sites (ICD 10): 2018 Females Ratnagiri
District % = Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2
C01-C02	Tongue	-	-	-	-	-	-	-	1	1	2	4	2	2	1	3	-	16	3.1
C03-C06	Mouth	-	-	-	-	-	-	1	1	3	3	5	8	11	5	6	1	44	8.5
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.2
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	1	-	1	2	1	1	-	-	1	-	7	1.4
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	1	-	3	1	2	1	2	6	5	3	1	25	4.8
C16	Stomach	-	-	-	-	-	1	-	1	-	1	-	1	1	3	1	1	10	1.9
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C18	Colon	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	3	0.6
C19-C20	Rectum	-	-	-	-	-	-	-	-	-	1	2	1	1	1	2	1	9	1.7
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	0.4
C22	Liver	-	-	-	-	-	-	-	1	-	-	2	-	2	-	1	-	6	1.2
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.2
C25	Pancreas	-	-	-	-	-	-	-	-	-	-	-	-	1	4	1	-	6	1.2
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	3	0.6
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	3	0.6
C33-C34	Trachea, bronchus and lung	-	-	-	-	1	-	1	-	1	2	-	2	3	2	3	1	16	3.1
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	3	0.6
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	3	0.6
C44	Other Skin	-	-	-	-	1	-	-	-	-	-	1	1	2	-	1	1	7	1.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	1	-	-	-	-	-	-	1	1	-	1	1	-	1	-	7	1.4
C50	Breast	-	-	-	-	-	2	10	12	16	24	28	11	17	9	7	4	140	27.0
C51	Vulva	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	0.4
C52	Vagina	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.2
C53	Cervix Uteri	-	-	-	-	-	-	-	3	4	6	10	7	10	6	1	3	50	9.7
C54	Corpus Uteri	-	-	-	-	-	1	-	-	2	1	5	2	3	3	2	-	19	3.7
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	-	1	-	2	4	8	10	5	-	-	2	2	34	6.6
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	0.2
C64	Kidney etc.	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	0.6
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	3	0.6
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.2
C70-C72	Brain, Nervous System	1	-	1	-	-	-	-	-	-	1	-	-	2	1	-	-	6	1.2
C73	Thyroid	-	-	-	-	2	2	2	2	-	-	2	1	-	2	1	-	14	2.7
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	1	-	-	-	-	-	-	-	-	-	3	1	-	5	1.0
C82-C85&C96	Non-Hodgkin lymphoma	-	-	1	-	-	1	1	1	1	4	-	-	-	-	1	-	10	1.9
C88	Maliglmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	3	0.6
C91	Lymphoid Leukaemia	-	-	1	-	-	1	-	-	-	-	-	-	1	1	-	-	4	0.8
C92-C94	Myeloid Leukaemia	1	-	-	-	-	-	-	1	-	-	1	1	-	1	1	-	6	1.2
C95	Leukaemia Unspecified	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	3	0.6
Other and Unspecified*		-	-	1	1	1	1	1	2	5	4	4	4	6	6	4	3	39	7.5
Total		6	1	5	3	6	12	16	30	39	66	82	55	75	59	45	18	518	100.0

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

Table 46: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population 2018 – Males Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	1.2	4.3	-	-	2.1	-	0.4	0.3	0.8
C01-C02	-	-	-	-	-	-	2.3	2.0	1.8	3.0	4.9	4.3	9.8	3.6	6.2	2.0	2.0	1.6	3.9
C03-C06	-	-	-	0.7	-	-	2.3	8.8	10.1	17.9	19.5	8.7	22.8	21.5	12.4	12.0	7.1	5.8	14.3
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	0.9	-	1.2	2.9	-	1.8	2.1	-	0.4	0.3	0.7
C10	-	-	-	-	-	-	-	-	-	-	1.2	-	-	1.8	2.1	2.0	0.3	0.2	0.2
C11	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	0.1	0.1	0.4
C12-C13	-	-	-	-	-	-	-	-	0.9	2.0	-	2.9	1.6	3.6	-	6.0	0.8	0.6	1.1
C14	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	2.0	0.2	0.2	0.4
C15	-	-	-	-	-	-	-	-	-	-	1.2	15.9	13.0	9.0	2.1	6.0	2.0	1.6	3.9
C16	-	-	-	-	-	1.1	-	1.0	-	1.0	3.7	2.9	9.8	3.6	12.4	2.0	1.6	1.3	2.6
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	0.1	0.1	0.0
C18	-	-	-	-	1.0	-	-	-	1.8	1.0	1.2	2.9	1.6	-	-	-	0.6	0.5	1.3
C19-C20	-	-	-	-	-	-	-	-	0.9	-	3.7	4.3	-	9.0	2.1	2.0	1.0	0.8	1.3
C21	-	-	-	-	-	-	-	-	-	-	-	1.4	1.6	-	-	2.0	0.2	0.2	0.4
C22	-	-	-	-	-	-	-	1.0	0.9	-	1.2	-	3.3	-	-	6.0	0.6	0.4	1.0
C23-C24	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	2.1	2.0	0.3	0.2	0.0
C25	-	-	-	-	-	-	-	-	0.9	1.0	3.7	4.3	4.9	1.8	2.1	2.0	1.0	0.8	2.2
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	0.1	0.0	0.0
C32	-	-	-	-	-	-	-	-	-	-	-	1.4	4.9	1.8	2.1	6.0	0.6	0.5	0.8
C33-C34	-	-	-	-	-	-	-	2.0	-	1.0	1.2	7.2	4.9	7.2	0.0	6.0	1.3	1.1	2.3
C37-C38	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	0.1	0.1	0.2
C40-C41	-	-	-	2.1	-	-	-	-	-	-	-	1.4	-	-	-	-	0.3	0.2	0.2
C43	-	-	-	-	-	-	-	-	-	-	-	-	3.3	0.0	2.1	0.0	0.2	0.2	0.4
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	1.4	1.0	-	0.7	1.0	-	-	-	0.9	2.0	-	1.4	-	1.8	4.1	-	0.8	0.8	0.7
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C61	-	-	-	-	-	-	-	-	-	-	3.7	1.4	6.5	-	10.3	4.0	1.1	0.8	1.6
C62	-	-	-	-	1.9	-	1.1	-	-	-	-	1.4	-	-	-	-	0.3	0.3	0.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	1.4	-	-	-	-	-	-	-	-	-	-	-	1.6	-	4.1	-	0.3	0.3	0.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	1.2	1.4	1.6	1.8	2.1	4.0	0.5	0.4	0.6
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	0.1	0.1	0.0
C70-C72	2.8	3.0	0.7	0.7	1.0	1.1	2.3	-	-	-	-	-	4.9	-	-	-	1.0	1.3	0.6
C73	-	-	-	-	-	-	-	-	-	2.0	1.2	-	-	-	-	-	0.2	0.2	0.6
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	0.7	-	-	-	-	0.9	1.0	-	-	-	-	-	-	0.2	0.2	0.4
C82-C85&C96	1.4	1.0	-	0.7	1.0	-	1.1	-	0.9	-	1.2	2.9	4.9	3.6	0.0	2.0	1.1	1.0	1.4
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	0.9	-	-	1.4	-	1.8	-	-	0.2	0.2	0.4
C91	-	1.0	0.7	-	1.0	-	-	-	-	-	-	1.4	-	-	-	-	0.3	0.3	0.2
C92-C94	-	-	-	-	1.0	-	-	-	-	1.0	6.1	-	1.6	-	-	-	0.6	0.5	1.4
C95	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	0.1	0.1	0.2
O&U*	1.4	-	-	-	-	1.1	-	1.0	4.6	2.0	4.9	4.3	8.2	10.8	12.4	8.0	2.7	2.2	3.9
Total	8.3	6.0	1.4	5.7	7.6	3.3	9.0	15.6	27.7	34.8	62.2	85.4	114.1	91.4	84.7	78.0	30.6	25.4	50.9

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

Table 47: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 yrs.) (TR) Incidence Rate per 100,000 Population 2018 – Females Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	0.1	0.1	0.2
C01-C02	-	-	-	-	-	-	-	0.8	0.8	1.9	4.6	2.6	2.5	1.2	4.7	-	1.0	0.8	2.1
C03-C06	-	-	-	-	-	-	0.9	0.8	2.4	2.9	5.8	10.4	13.9	6.0	9.5	1.5	2.8	2.1	5.2
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	0.9	-	0.8	1.9	1.2	1.3	-	-	1.6	-	0.5	0.4	0.9
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	1.0	-	2.4	0.8	1.9	1.2	2.6	7.6	6.0	4.7	1.5	1.6	1.2	2.5
C16	-	-	-	-	-	1.0	-	0.8	-	1.0	-	1.3	1.3	3.6	1.6	1.5	0.6	0.5	0.7
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C18	-	-	-	-	0.9	-	-	-	-	-	-	-	-	2.4	-	-	0.2	0.1	0.0
C19-C20	-	-	-	-	-	-	-	-	-	1.0	2.3	1.3	1.3	1.2	3.2	1.5	0.6	0.4	0.9
C21	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	-	-	-	0.1	0.1	0.3
C22	-	-	-	-	-	-	-	0.8	-	-	2.3	-	2.5	-	1.6	-	0.4	0.3	0.9
C23-C24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C25	-	-	-	-	-	-	-	-	-	-	-	-	1.3	4.8	1.6	-	0.4	0.2	0.2
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	1.3	1.2	1.6	-	0.2	0.1	0.2
C32	-	-	-	-	-	-	-	-	-	-	-	1.3	2.5	-	-	-	0.2	0.2	0.5
C33-C34	-	-	-	-	0.9	-	0.9	-	0.8	1.9	-	2.6	3.8	2.4	4.7	1.5	1.0	0.7	1.3
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	0.8	-	-	-	-	-	-	2.3	-	-	-	-	-	0.2	0.2	0.4
C43	-	-	-	-	-	-	-	-	0.8	-	1.2	1.3	-	-	-	-	0.2	0.2	0.5
C44	-	-	-	-	0.9	-	-	-	-	-	1.2	1.3	2.5	-	1.6	1.5	0.5	0.3	0.7
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	1.5	1.1	-	-	-	-	-	-	0.8	1.0	-	1.3	1.3	-	1.6	-	0.5	0.5	0.7
C50	-	-	-	-	-	1.9	9.1	9.6	12.9	22.8	32.2	14.3	21.4	10.8	11.1	6.0	9.0	7.1	18.6
C51	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	1.6	-	0.1	0.1	0.2
C52	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	0.1	0.0	0.2
C53	-	-	-	-	-	-	-	2.4	3.2	5.7	11.5	9.1	12.6	7.2	1.6	4.5	3.2	2.5	6.9
C54	-	-	-	-	-	1.0	-	-	1.6	1.0	5.8	2.6	3.8	3.6	3.2	-	1.2	0.9	2.2
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	1.0	-	1.6	3.2	7.6	11.5	6.5	-	-	3.2	3.0	2.2	1.8	5.1
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C64	3.0	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.2	0.4	0.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	1.3	1.3	1.2	-	-	0.2	0.1	0.3
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.0
C70-C72	1.5	-	0.8	-	-	-	-	-	-	1.0	-	-	2.5	1.2	-	-	0.4	0.4	0.5
C73	-	-	-	-	1.7	1.9	1.8	1.6	-	-	2.3	1.3	-	2.4	1.6	-	0.9	0.8	0.8
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	0.8	-	-	-	-	-	-	-	-	-	3.6	1.6	-	0.3	0.2	0.0
C82-C85&C96	-	-	0.8	-	-	1.0	0.9	0.8	0.8	3.8	-	-	-	-	1.6	-	0.6	0.6	1.0
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	1.0	2.3	-	-	-	-	-	0.2	0.2	0.6
C91	-	-	0.8	-	-	1.0	-	-	-	-	-	-	1.3	1.2	-	-	0.3	0.2	0.2
C92-C94	1.5	-	-	-	-	-	-	0.8	-	-	1.2	1.3	-	1.2	1.6	-	0.4	0.4	0.5
C95	-	-	0.8	-	-	-	-	-	-	-	1.2	1.3	-	-	-	-	0.2	0.2	0.4
O&U*	-	-	0.8	0.8	0.9	1.0	-	0.8	1.6	4.8	4.6	5.2	7.6	7.2	6.3	4.5	2.5	1.9	3.8
Total	9.1	1.1	3.8	2.5	5.2	11.6	14.5	24.0	31.4	62.8	94.4	71.5	94.6	71.0	71.1	26.8	33.4	26.5	59.5

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

Table 48: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2018 – Males Ratnagiri
District % Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.4
C01-C02	Tongue	-	-	-	-	-	-	1	-	-	1	1	1	1	2	2	1	10	3.6
C03-C06	Mouth	-	-	-	1	-	-	1	3	5	13	6	3	6	4	4	8	54	19.6
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	3	1.1
C09	Tonsil	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	-	5	1.8
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	0.7
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	2	1	2	1	1	2	9	3.3
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	-	1	-	3	8	2	6	-	4	24	8.7
C16	Stomach	-	-	-	-	-	-	-	-	-	2	3	2	7	2	3	1	20	7.2
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	0.7
C18	Colon	-	-	-	-	1	-	1	-	2	-	1	-	-	2	1	2	10	3.6
C19-C20	Rectum	-	-	-	-	-	-	1	1	-	-	-	-	2	1	1	-	6	2.2
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	0.7
C22	Liver	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	2	5	1.8
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	4	1.4
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	3	1	1	1	1	9	3.3
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	4	1.4
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	1	2	1	1	7	1	3	1	1	18	6.5
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.4
C40-C41	Bone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.4
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	-	-	1	-	-	-	2	-	-	1	-	-	1	5	1.8
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C61	Prostate	-	-	-	-	-	-	-	-	-	-	-	3	2	1	-	2	8	2.9
C62	Testis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	0.7
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-	3	1.1
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	4	1.4
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.4
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	-	1	1	-	-	-	-	1	-	-	-	1	-	1	1	-	6	2.2
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.4
C82-C85&C96	Non-Hodgkin lymphoma	-	1	-	1	-	-	1	-	1	-	-	1	1	1	1	-	8	2.9
C88	Maligmn. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	1	5	1.8
C91	Lymphoid Leukaemia	1	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	4	1.4
C92-C94	Myeloid Leukaemia	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	0.4
C95	Leukaemia Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.4
Other and Unspecified*		1	-	-	-	-	1	1	1	2	2	3	3	3	9	3	6	35	12.7
Total		2	3	1	3	2	3	6	9	13	25	24	42	34	44	26	39	276	100.0

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

Table 49: Number of Cancer Deaths by Five Year Age Group and Site (ICD 10): 2018 – Females Ratnagiri
District % Relative Proportion of Cancers of All Sites

ICD10	Site	00-04	05-09	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	1	-	1	4	1.4
C01-C02	Tongue	-	-	-	-	-	-	-	2	-	-	1	-	1	-	1	2	7	2.4
C03-C06	Mouth	-	-	-	-	-	-	-	-	-	-	4	5	6	2	4	1	22	7.5
C07-C08	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	Tonsil	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	0.7
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	3	1.0
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	Hypopharynx	-	-	-	-	-	-	1	-	-	-	1	3	-	2	-	-	7	2.4
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	1	2	-	2	2	4	-	1	4	3	-	19	6.4
C16	Stomach	-	-	-	-	-	-	1	-	-	-	-	2	2	3	2	1	11	3.7
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.3
C18	Colon	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	0.7
C19-C20	Rectum	-	-	-	-	-	-	-	-	1	-	1	1	2	-	-	1	6	2.0
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.3
C22	Liver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C23-C24	Gallbladder etc.	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	3	1.0
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	-	1	2	-	1	-	5	1.7
C30-C31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	Trachea, bronchus and lung	-	-	-	-	-	-	-	-	2	1	4	-	2	3	-	2	14	4.7
C37-C38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	Bone	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	4	1.4
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	-	-	-	1	-	-	-	1	-	-	-	1	3	-	-	7	2.4
C50	Breast	-	-	-	-	-	1	5	3	8	4	8	3	6	10	4	5	57	19.3
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	3	1.0
C53	Cervix Uteri	-	-	-	-	-	-	-	-	1	2	6	8	5	3	3	5	33	11.2
C54	Corpus Uteri	-	-	-	-	-	-	-	1	-	-	-	-	1	3	-	3	8	2.7
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary	-	-	-	-	-	-	-	-	1	1	7	1	2	2	3	1	18	6.1
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.3
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Urinary Bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	0.7
C68	Unspecified Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	Brain, Nervous System	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	2	0.7
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	3	1.0
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkin Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	0.7
C82-C85&C96	Non-Hodgkin lymphoma	-	-	-	-	-	-	-	1	-	3	1	-	-	-	-	-	5	1.7
C88	Maliglm. Prol D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.3
C91	Lymphoid Leukaemia	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	0.7
C92-C94	Myeloid Leukaemia	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	0.7
C95	Leukaemia Unspecified	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.3
Other and Unspecified*		-	1	1	1	1	-	-	-	1	6	3	6	7	4	2	3	36	12.2
Total		1	1	2	2	3	3	10	7	21	21	45	36	41	51	25	26	295	100.0

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

Table 50: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 Years) (TR) Mortality Rate per 100,000 Population: 2018 Males Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	0.1	0.0	0.0
C01-C02	-	-	-	-	-	-	1.1	-	-	1.0	1.2	1.4	1.6	3.6	4.1	2.0	0.7	0.5	0.8
C03-C06	-	-	-	0.7	-	-	1.1	2.9	4.6	12.9	7.3	4.3	9.8	7.2	8.3	16.0	3.8	3.0	7.0
C07-C08	-	-	-	-	-	-	-	-	-	-	-	2.9	1.6	-	-	-	0.2	0.2	0.6
C09	-	-	-	-	-	-	-	-	-	1.0	-	-	-	3.6	4.1	-	0.4	0.2	0.2
C10	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	2.0	0.1	0.1	0.2
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	-	-	-	-	2.4	1.4	3.3	1.8	2.1	4.0	0.6	0.5	1.0
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	0.9	-	3.7	11.6	3.3	10.8	-	8.0	1.7	1.3	2.7
C16	-	-	-	-	-	-	-	-	-	2.0	3.7	2.9	11.4	3.6	6.2	2.0	1.4	1.1	2.8
C17	-	-	-	-	-	-	-	-	-	-	1.2	1.4	-	-	-	-	0.1	0.1	0.4
C18	-	-	-	-	1.0	-	1.1	-	1.8	-	1.2	-	-	3.6	2.1	4.0	0.7	0.5	0.6
C19-C20	-	-	-	-	-	-	1.1	1.0	-	-	-	-	3.3	1.8	2.1	-	0.4	0.4	0.6
C21	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	2.1	-	0.1	0.1	0.2
C22	-	-	-	-	-	-	-	1.0	-	-	-	1.4	1.6	-	-	4.0	0.4	0.3	0.6
C23-C24	-	-	-	-	-	-	-	-	-	-	1.2	-	-	1.8	2.1	2.0	0.3	0.2	0.2
C25	-	-	-	-	-	-	-	-	-	1.0	1.2	4.3	1.6	1.8	2.1	2.0	0.6	0.5	1.2
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	4.0	0.3	0.2	0.0
C33-C34	-	-	-	-	-	-	-	1.0	1.8	1.0	1.2	10.1	1.6	5.4	2.1	2.0	1.3	1.0	2.5
C37-C38	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	0.1	0.1	0.2
C40-C41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.1	0.0	0.0
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	0.0	0.1	0.1	0.0
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	1.1	-	-	-	2.0	-	-	1.6	-	-	2.0	0.4	0.3	0.6
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C61	-	-	-	-	-	-	-	-	-	-	-	4.3	3.3	1.8	-	4.0	0.6	0.4	1.0
C62	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	2.0	0.1	0.1	0.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	1.1	-	-	-	-	-	1.4	-	1.8	-	-	0.2	0.2	0.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	2.9	-	3.6	-	-	0.3	0.2	0.4
C68	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.1	0.1	0.2
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	1.0	0.7	-	-	-	-	1.0	-	-	-	1.4	-	1.8	2.1	-	0.4	0.4	0.4
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	0.1	0.1	0.0
C82-C85&C96	-	1.0	-	0.7	-	-	1.1	-	0.9	-	-	1.4	1.6	1.8	2.1	-	0.6	0.5	0.6
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	1.4	3.3	-	2.1	2.0	0.4	0.3	0.6
C91	1.4	1.0	-	0.7	-	-	-	-	-	-	-	1.4	-	-	-	-	0.3	0.4	0.2
C92-C94	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	0.1	0.0	0.0
O&U*	1.4	-	-	-	-	1.1	1.1	1.0	1.8	2.0	3.7	4.3	4.9	16.1	6.2	12.0	2.5	2.0	2.7
Total	2.8	3.0	0.7	2.1	1.9	3.3	6.8	8.8	12.0	24.8	29.3	60.8	55.4	78.8	53.7	78.0	19.5	15.6	28.5

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

Table 51: Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) and Truncated (35-64 Years) (TR) Mortality Rate per 100,000 Population: 2018 Females Ratnagiri District

ICD10	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CR	AAR	TR
C00	-	-	-	-	-	-	-	-	0.8	-	-	-	1.3	1.2	-	1.5	0.3	0.2	0.3
C01-C02	-	-	-	-	-	-	-	1.6	-	-	1.2	-	1.3	-	1.6	3.0	0.5	0.3	0.7
C03-C06	-	-	-	-	-	-	-	-	-	-	4.6	6.5	7.6	2.4	6.3	1.5	1.4	1.0	2.6
C07-C08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C09	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	1.5	0.1	0.1	0.2
C10	-	-	-	-	-	-	-	-	-	1.0	-	1.3	-	1.2	-	-	0.2	0.1	0.4
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	-	-	-	-	-	-	0.9	-	-	-	1.2	3.9	-	2.4	-	-	0.5	0.3	0.7
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	1.0	1.8	-	1.6	1.9	4.6	-	1.3	4.8	4.7	-	1.2	0.9	1.6
C16	-	-	-	-	-	-	0.9	-	-	-	-	2.6	2.5	3.6	3.2	1.5	0.7	0.5	0.7
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	0.1	0.0	0.0
C18	-	-	-	-	0.9	-	-	-	-	-	1.2	-	-	-	-	-	0.1	0.1	0.2
C19-C20	-	-	-	-	-	-	-	-	0.8	-	1.2	1.3	2.5	-	-	1.5	0.4	0.3	0.8
C21	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	0.1	0.1	0.2
C22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C23-C24	-	-	-	-	-	-	-	-	0.8	-	1.2	1.3	-	-	-	-	0.2	0.2	0.5
C25	-	-	-	-	-	-	-	-	0.8	-	-	1.3	2.5	-	1.6	-	0.3	0.2	0.6
C30-C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-C34	-	-	-	-	-	-	-	-	1.6	1.0	4.6	-	2.5	3.6	-	3.0	0.9	0.7	1.6
C37-C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C41	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	1.2	1.3	-	2.4	-	-	0.3	0.2	0.4
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	1.5	-	-	-	0.9	-	-	-	0.8	-	-	-	1.3	3.6	-	-	0.5	0.5	0.3
C50	-	-	-	-	-	1.0	4.5	2.4	6.4	3.8	9.2	3.9	7.6	12.0	6.3	7.4	3.7	2.7	5.4
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	1.3	2.4	-	-	0.2	0.1	0.2
C53	-	-	-	-	-	-	-	-	0.8	1.9	6.9	10.4	6.3	3.6	4.7	7.4	2.1	1.5	3.8
C54	-	-	-	-	-	-	-	0.8	-	-	-	-	1.3	3.6	-	4.5	0.5	0.3	0.3
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	-	0.8	1.0	8.1	1.3	2.5	2.4	4.7	1.5	1.2	0.9	2.1
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	1.6	-	0.1	0.1	0.0
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-C72	-	-	-	-	-	-	-	-	-	1.0	-	1.3	-	-	-	-	0.1	0.1	0.4
C73	-	-	-	-	-	-	-	-	-	-	1.2	-	-	1.2	1.6	-	0.2	0.1	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	0.1	0.1	0.0
C82-C85&C96	-	-	-	-	-	-	-	0.8	-	2.9	1.2	-	-	-	-	-	0.3	0.3	0.9
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.1	0.1	0.2
C91	-	-	-	-	-	1.0	-	-	-	-	-	-	1.3	-	-	-	0.1	0.1	0.2
C92-C94	-	-	-	-	-	-	-	-	-	-	-	1.3	-	1.2	-	-	0.1	0.1	0.2
C95	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.0
O&U*	-	1.1	0.8	0.8	0.9	-	-	-	0.8	5.7	3.5	7.8	8.8	4.8	3.2	4.5	2.3	1.8	4.0
Total	1.5	1.1	1.5	1.6	2.6	2.9	9.1	5.6	16.9	20.0	51.8	46.8	51.7	61.4	39.5	38.7	19.0	14.0	29.3

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

18. Paediatric Cancer Incidence Tables as per ICC-3 Standard

Table 52: Number of cases in paediatric age-group incidence rate per million population: 2017-2018 (Both Sex)

		00-14		%		00-19		%		Age-Specific rate per 1000000				AAR		Cumulative		Clinical % 00-19		MV % 00-19		DCO % 00-19	
ICCC	Site	00-04	05-09	10-14	15-19	00-14	00-19																
								All	Group	All	Group	00-04	05-09	10-14	15-19	00-14	00-19	00-14	00-19				
I	Leukemia	5	1	7	-	13	13	30.2	100	20.6	100	36.0	5.2	25.8	-	23.1	17.9	335	335	-	100	-	
a.	Lymphoid	3	1	4	-	8	8	18.6	61.5	12.7	61.5	21.6	5.2	14.7	-	14.3	11.1	208	208	-	100	-	
b.	Acute myeloid	2	-	-	-	2	2	4.7	15.4	3.2	15.4	14.4	-	-	-	5.6	4.3	72	72	-	100	-	
c.	CMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d.	MDS & Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e.	Unspecified	-	-	3	-	3	3	7.0	23.1	4.8	23.1	-	-	11.0	-	3.2	2.5	55	55	-	100	-	
II	Lymphoma & Related	1	2	2	3	5	8	11.6	100	12.7	100	7.2	10.4	7.4	11.4	8.3	9.0	125	182	-	100	-	
a.	Hodgkin	-	-	1	2	1	3	2.3	20.0	4.8	37.5	-	-	3.7	7.6	1.1	2.5	18	57	-	100	-	
b.	Non-Hodgkin except BL	-	2	1	1	3	4	7.0	60.0	6.3	50.0	-	10.4	3.7	3.8	4.4	4.3	70	89	-	100	-	
c.	Burkitt (BL)	1	-	-	-	1	1	2.3	20.0	1.6	12.5	7.2	-	-	-	2.8	2.2	36	36	-	100	-	
d.	Lymphoreticular	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
III	CNS Neoplasms	3	5	2	1	10	11	23.3	100	17.5	100	21.6	26.0	7.4	3.8	18.9	15.5	275	294	9.1	90.9	-	
a.	Ependymoma	-	1	-	-	1	1	2.3	10.0	1.6	9.1	-	5.2	-	-	1.7	1.3	26	26	-	100	-	
b.	Astrocytoma	1	1	-	1	2	3	4.7	20.0	4.8	27.3	7.2	5.2	-	3.8	4.5	4.3	62	81	-	100	-	
c.	CNS Embryonal	1	3	2	-	6	6	14.0	60.0	9.5	54.5	7.2	15.6	7.4	-	10.0	7.7	151	151	-	100	-	
d.	Other gliomas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f.	Unspecified CNS	1	-	-	-	1	1	2.3	10.0	1.6	9.1	7.2	-	-	-	2.8	2.2	36	36	100	-	-	
IV	Neuroblastoma	1	-	-	-	1	1	2.3	100	1.6	100	7.2	-	-	-	2.8	2.2	36	36	-	100	-	
a.	(Ganglio) Neuroblastoma	1	-	-	-	1	1	2.3	100	1.6	100	7.2	-	-	-	2.8	2.2	36	36	-	100	-	
b.	Peripheral nervous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V	Retinoblastoma	1	-	-	-	1	1	2.3	100	1.6	100	7.2	-	-	-	2.8	2.2	36	36.0	-	100	-	
VI	Renal Tumours	3	-	-	-	3	3	7.0	100	4.8	100	21.6	-	-	-	8.4	6.5	108	108	-	100	-	
a.	Nephroblastoma	3	-	-	-	3	3	7.0	100	4.8	100	21.6	-	-	-	8.4	6.5	108	108	-	100	-	
b.	Renal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII	Hepatic Tumours	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
a.	Hepatoblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b.	Hepatic carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII	Bone Tumours	-	1	-	7	1	8	2.3	100	12.7	100	-	5.2	-	26.7	1.7	7.3	26	160	-	100	-	
a.	Osteosarcoma	-	-	-	7	-	7	-	-	11.1	87.5	-	-	-	26.7	-	6.0	-	134	-	100	-	
b.	Chondrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c.	Ewing & Related	-	1	-	-	1	1	2.3	100	1.6	12.5	-	5.2	-	-	1.7	1.3	26	26	-	100	-	
d.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IX	Soft Tissue Sarcoma	2	2	1	3	5	8	11.6	100	12.7	100.0	14.4	10.4	3.7	11.4	10.0	10.3	142	200	-	100	-	
a.	Rhabdomyosarcoma	2	1	1	-	4	4	9.3	80.0	6.3	50.0	14.4	5.2	3.7	-	8.3	6.5	116	116	-	100	-	
b.	Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c.	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d.	Other specified	-	-	-	2	-	2	-	-	3.2	25.0	-	-	-	7.6	-	1.7	-	38	-	100	-	
e.	Unspecified	-	1	-	1	1	2	2.3	20.0	3.2	25.0	-	5.2	-	3.8	1.7	2.2	26	45	-	100	-	
X	Germ Cell Tumours	2	-	-	2	2	4	4.7	100	6.3	100	14.4	-	-	7.6	5.6	6.0	72	110	-	100	-	
a.	CNS germ cell	1	-	-	-	1	1	2.3	50.0	1.6	25.0	7.2	-	-	-	2.8	2.2	36	36	-	100	-	
b.	Other extragonadal	1	-	-	-	1	1	2.3	50.0	1.6	25.0	7.2	-	-	-	2.8	2.2	36	36	-	100	-	
c.	Gonadal germ cell	-	-	-	1	-	1	-	-	1.6	25.0	-	-	-	3.8	-	0.9	-	19	-	100	-	
d.	Gonadal carcinoma	-	-	-	1	-	1	-	-	1.6	25.0	-	-	-	3.8	-	0.9	-	19	-	100	-	
e.	Unspecified gonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XI	Carcinoma & Melanoma	-	-	1	1	1	2	2.3	100	3.2	100	-	-	3.7	3.8	1.1	1.7	18	37	-	100	-	
a.	Adrenocortical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b.	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c.	Nasopharyngeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d.	Melanoma	-	-	1	-	1	1	2.3	100	1.6	50.0	-	-	3.7	-	1.1	0.8	18	18	-	100	-	
e.	Skin carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f.	Other & Unspecified	-	-	-	1	-	1	-	-	1.6	50.0	-	-	-	3.8	-	0.9	-	19	-	100	-	
XII	Other & Unspecified	-	1	-	3	1	4	2.3	100	6.3	100	-	5.2	-	11.4	1.7	3.9	26	83	-	50.0	50.0	
a.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b.	Other unspecified	-	1	-	3	1	4	2.3	100	6.3	100	-	5.2	-	11.4	1.7	3.9	26	83	-	50.0	50.0	
Total		18	12	13	20	43	63	100	100	100	100	129.7	62.3	47.9	76.3	84.2	82.4	1200	1581	1.6	95.2	3.2	

Table 53: Number of Cases in Paediatric Age-Group, Incidence Rate per million Population 2017-2018

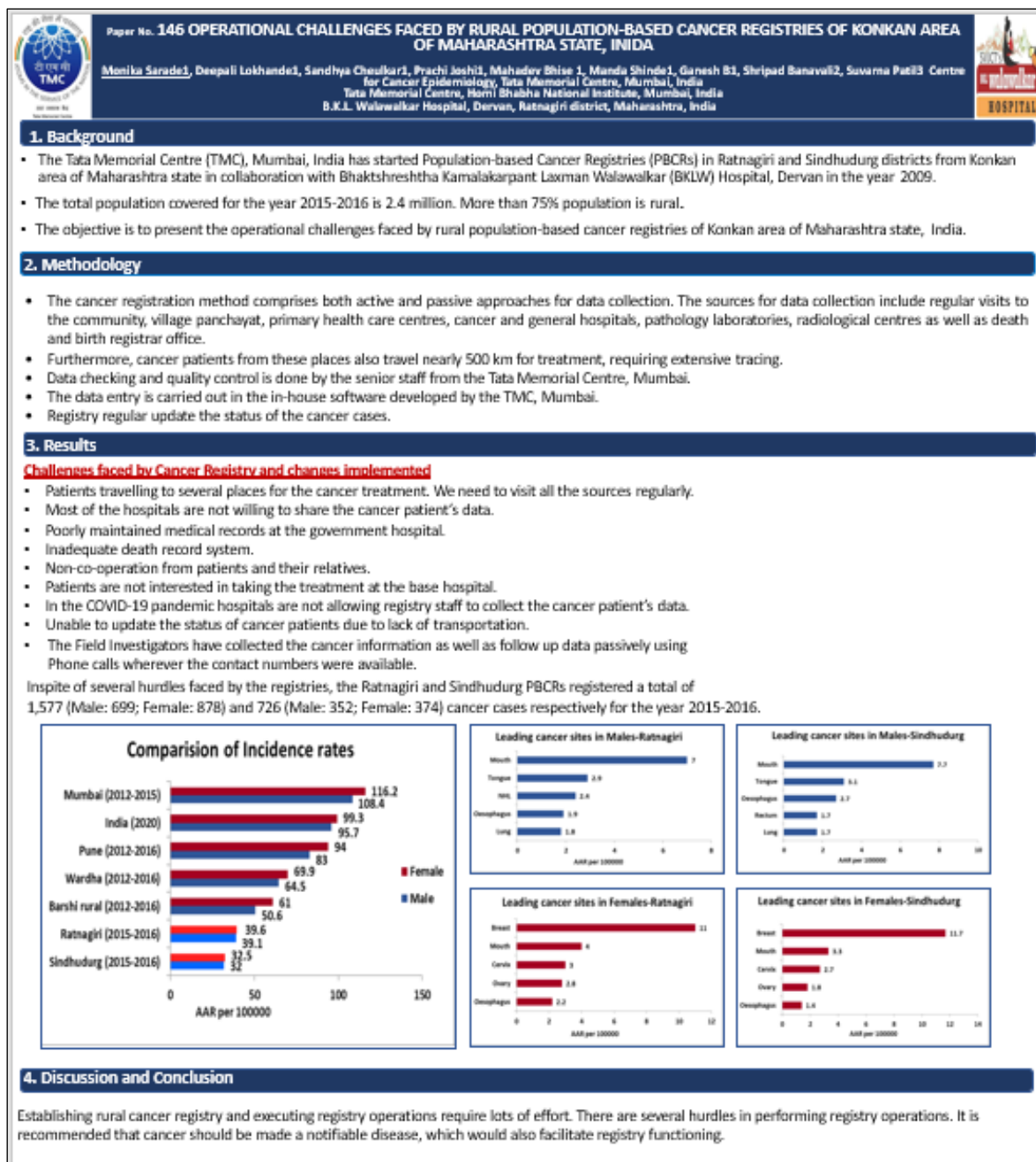
ICCC	Site	Males								Females									
		Number of cases in age groups						AAR per million		M/F Ratio		Number of cases in age groups						AAR per million	
		00-04	05-09	10-14	15-19	00-14	00-19	00-14	00-19	00-14	00-19	00-04	05-09	10-14	15-19	00-14	00-19	00-14	00-19
I	Leukemia	3	1	3	-	7	7	25.4	19.7	1.2	1.2	2	-	4	-	6	6	20.6	15.9
a.	Lymphoid	2	1	2	-	5	5	18.0	14.0	1.7	1.7	1	-	2	-	3	3	10.3	8.0
b.	Acute myeloid	1	-	-	-	1	1	5.3	4.1	1.0	1.0	1	-	-	-	1	1	5.9	4.5
c.	CMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	MDS & Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	1	-	1	1	2.1	1.6	0.5	0.5	-	-	2	-	2	2	4.4	3.4
II	Lymphoma & Related	1	1	1	2	3	5	10.6	11.4	1.5	1.7	-	1	1	1	2	3	5.7	6.3
a.	Hodgkin	-	-	1	1	1	2	2.1	3.2	-	2.0	-	-	-	1	-	1	-	1.9
b.	Non-Hodgkin except BL	-	1	-	1	1	2	3.2	4.1	0.5	1.0	-	1	1	-	2	2	5.7	4.4
c.	Burkitt (BL)	1	-	-	-	1	1	5.3	4.1	-	-	-	-	-	-	-	-	-	-
d.	Lymphoreticular	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	CNS Neoplasms	2	4	1	1	7	8	25.6	21.5	2.3	2.7	1	1	1	-	3	3	11.6	9.0
a.	Ependymoma	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	3.5	2.7
b.	Astrocytoma	1	1	-	1	2	3	8.6	8.2	-	-	-	-	-	-	-	-	-	-
c.	CNS Embryonal	1	3	1	-	5	5	17.1	13.2	5.0	5.0	-	-	1	-	1	1	2.2	1.7
d.	Other gliomas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Unspecified CNS	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	5.9	4.5
IV	Neuroblastoma	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	5.9	4.5
a.	(Ganglio) Neuroblastoma	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	5.9	4.5
b.	Peripheral nervous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V	Retinoblastoma	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	5.9	4.5
VI	Renal Tumours	1	-	-	-	1	1	5.3	4.1	0.5	0.5	2	-	-	-	2	2	11.7	9.1
a.	Nephroblastoma	1	-	-	-	1	1	5.3	4.1	0.5	0.5	2	-	-	-	2	2	11.7	9.1
b.	Renal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII	Hepatic Tumours	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a.	Hepatoblastoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Hepatic carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII	Bone Tumours	-	-	-	3	-	3	-	4.8	-	0.6	-	1	-	4	1	5	3.5	10.1
a.	Osteosarcoma	-	-	-	3	-	3	-	4.8	-	0.8	-	-	-	4	-	4	-	7.4
b.	Chondrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Ewing & Related	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	3.5	2.7
d.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX	Soft Tissue Sarcoma	1	1	-	1	2	3	8.6	8.2	0.7	0.6	1	1	1	2	3	5	11.6	12.7
a.	Rhabdomyosarcoma	1	1	-	-	2	2	8.6	6.6	1.0	1.0	1	-	1	-	2	2	8.1	6.3
b.	Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Kaposi sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Other specified	-	-	-	1	-	1	-	1.6	-	1.0	-	-	-	1	-	1	-	1.9
e.	Unspecified	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	2	3.5	4.6
X	Germ Cell Tumours	2	-	-	1	2	3	10.6	9.9	-	3.0	-	-	-	1	-	1	-	1.9
a.	CNS germ cell	1	-	-	-	1	1	5.3	4.1	-	-	-	-	-	-	-	-	-	-
b.	Other extragonadal	1	-	-	-	1	1	5.3	4.1	-	-	-	-	-	-	-	-	-	-
c.	Gonadal germ cell	-	-	-	1	-	1	-	1.6	-	-	-	-	-	-	-	-	-	-
d.	Gonadal carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1.9
e.	Unspecified gonadal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI	Carcinoma & Melanoma	-	-	1	1	1	2	2.1	3.2	-	-	-	-	-	-	-	-	-	-
a.	Adrenocortical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Thyroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c.	Nasopharyngeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d.	Melanoma	-	-	1	-	1	1	2.1	1.6	-	-	-	-	-	-	-	-	-	-
e.	Skin carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f.	Other & Unspecified	-	-	-	1	-	1	-	1.6	-	-	-	-	-	-	-	-	-	-
XII	Other & Unspecified	-	-	-	2	-	2	-	3.2	-	1.0	-	1	-	1	1	2	3.5	4.6
a.	Other specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b.	Other unspecified	-	-	-	2	-	2	-	3.2	-	1.0	-	1	-	1	1	2	3.5	4.6
Total		10	7	6	11	23	34	88.3	86.0	1.2	1.2	8	5	7	9	20	29	79.8	78.5

19. Paper presentation for IACR Conference

The Department of Medical Records and Cancer Registry presented the following papers in the International Association of Cancer Registries conference which was held virtually for the years 2021 and 2022.

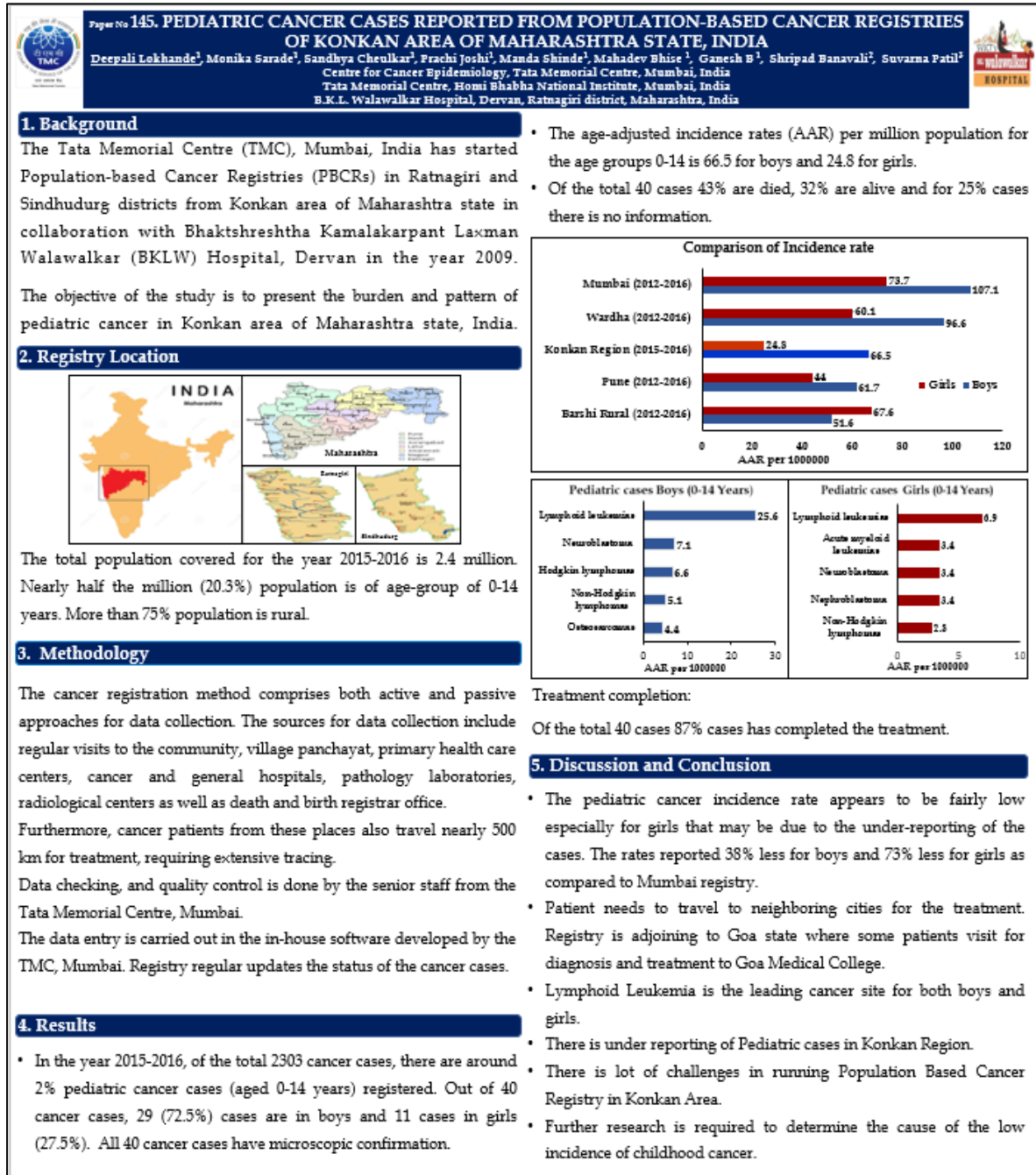
OPERATIONAL CHALLENGES FACED BY RURAL POPULATION-BASED CANCER REGISTRIES OF KONKAN AREA OF MAHARASHTRA STATE, INDIA. IACR 2021

Monika Sarade¹, Deepali Lokhande¹, Sandhya Cheulkar¹, Prachi Joshi¹, Mahadev Bhise¹, Manda Shinde¹, Ganesh B¹, Shripad Banavali², Suvarna Patil³



Pediatric Cancer Cases Reported from Population- Based Cancer Registries of Konkan Area of Maharashtra State, India. IACR 2021

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LUNG CANCER SURVIVAL IN RATNAGIRI DISTRICT, MAHARASHTRA STATE, INDIA. IACR 2022

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Paper no: 165

INTRODUCTION

Background:

- Population-based cancer registry (PBCR) of Ratnagiri covers the 1.8 million population. The registry was established by Tata Memorial Centre, Mumbai in collaboration with BKL Walawalkar Hospital, Dervan in the year 2009 (Fig. 1).
- Since 2009 to 2016, we have registered 6229 cancer cases (males- 2755, females- 3474).

Objective:

This paper aims to demonstrate the survival of lung cancer cases registered in Ratnagiri district from 2009 to 2016.

Fig:1 REGISTRY LOCATION



Ratnagiri is a coastal district of Maharashtra state, situated in the western coast of India. It is situated 446 kms from Mumbai.

METHOD

1. Cancer data is mainly obtained by active methods for cancer case registration in PBCR.
2. The date of diagnosis is the starting date and 31st December 2021 is the last follow-up date.
3. Follow up status has been registered by house visit and telephonic conversations.
4. The observed and relative survival was analyzed by using Stata software.

RESULT

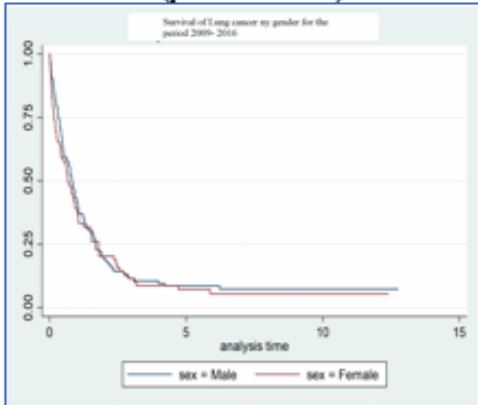
- Total no. of lung cancer cases registered- 183 (114 male and 69 female).
- The average incidence age for males and females is 58 and 55 years, respectively.
- More than 80% of cases were Hindus and 11% of cases were Muslims. Around 50% of cases are tobacco users.
- Of the total cases, 56% of cases have completed the given treatment while 43% of cases underwent chemotherapy.
- Of the 183 cases, 13 (7%) are alive and 169 (92%) were dead, and 1 (1%) migrated.
- The observed and relative survival by gender is presented in Table 1, and survival graph by gender is presented in Fig 2.

Table 1: Observed and Relative survival of lung Cancer by Gender (period 2009- 2016)

Observed Survival	1 st year	3 rd Year	5 th year
Male	42.3%	11.6%	8.7%
Female	39.1%	11.6%	7.3%
Both Sex	41.1%	11.5%	8.1%

Relative Survival	1 st year	3 rd year	5 th year
Male	43.3%	12.4%	9.6%
Female	39.8%	12.0%	7.7%
Both Sex	42.0%	12.2%	8.8%

Fig 2: Survival of Lung Cancer by Gender (period 2009- 2016)

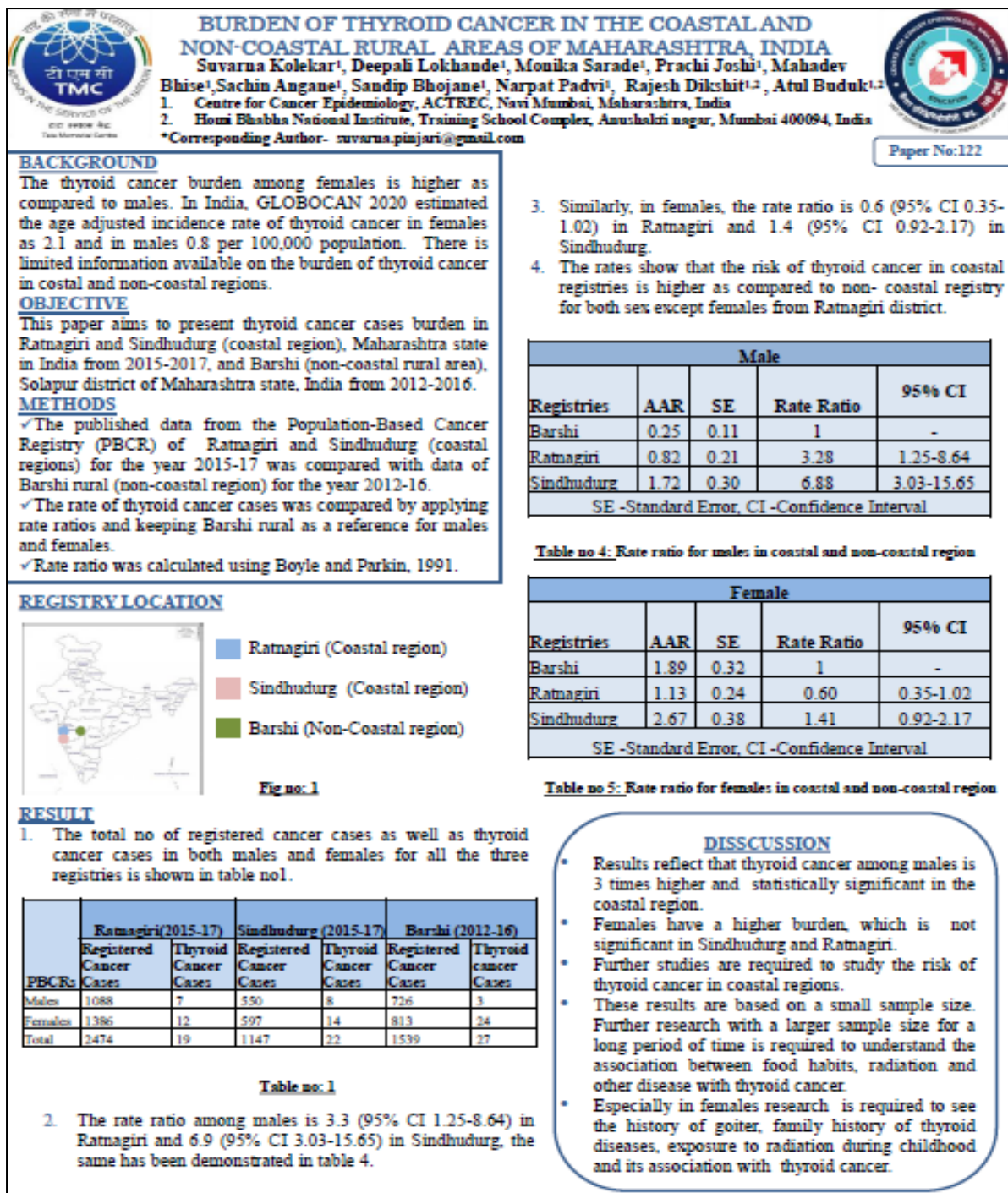


DISCUSSION

- ✓The 5 year relative survival of lung cancer is less than 10%. However in Mumbai it is more than 10% (Male- 13.5%, Female- 12%). As compared to Barshi (3.9%) the survival in Ratnagiri district is higher.
- ✓Lack of treatment adherence and completion is a major challenge that is responsible for poor survival.
- ✓There is a need of improving awareness about tobacco hazards and the risk of lung cancer.

BURDEN OF THYROID CANCER IN THE COASTAL AND NON-COASTAL RURAL AREAS OF MAHARASHTRA, INDIA IACR 2022

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21. Acknowledgements

The Ratnagiri population-based Cancer registry (PBCR) is grateful to various hospitals administrators, pathology labs, medical specialists in private practice, village panchayats, who have co-operated with us by permitting our field investigators to collect the data on cancer patients in their care.

The various pathology laboratories and their respective pathologists, hospitals, private and public nursing homes, diagnostic centres, deserve special mention and we wish to thank them for permitting us to utilize their records.

Most cancer cases registered in Ratnagiri cancer registry is abstracted from Tata Memorial Hospital, Mumbai and B. K. L. Walawalkar Hospital, Dervan. We are thankful to Dr. S. D. Banavali for his support in setting up this registry as well as Dr. Suvarna Patil for providing the office infrastructure and other necessary administrative support.

Finally, the registry staff, consultants and volunteers are to be praised for their diligence and enthusiasm in the performance of their duties in collection and processing the data on which this report is based. This was possible only due to the support provided by Director, TMC, TMH, ACTREC, CCE.

Population Based Cancer Registry Ratnagiri District gratefully acknowledge following dignitaries and institutions for their valuable support.

District Collector, Ratnagiri

Mr. M. Devender Singh

Civil Hospital, Ratnagiri

Dr. Sanghmitra Phule, Civil Surgeon

Dr. Vikas Kumare RMO, Pali and Head, NCD Centre

D.H.O. Ratnagiri

Dr. Aniruddha Athalye

Sub District Government Hospital, Kamthe, Chiplun

Dr. Kanchan Madar

CEO, Nagarparishad

Mr. Tushar Arun Babar, Ratnagiri

Mr. Prasad Shingte, Chiplun

B.K.L. Walawalkar Rural Medical College & Hospital, Dervan

Dr. Suvarna N. Patil, Medical Director

Dr. Ghanekar Cancer Hospital, Chiplun

Dr. Vikram Ghanekar

Onco-Life Cancer Centre, Satara

Mr. Uday Deshmukh, Founder, CEO

Onco Life Care Cancer Centre, Mirjoli, Chiplun

Dr. Shamsuddin Parkar, Medical Director

Mr. Tushar Barkode, A.O.

Sanjivani Hospital, Ratnagiri

Dr. Ashok Prabhudesai

Parkar Hospital, Ratnagiri

Dr. Mateen Parkar

Taluka Health Officer

Dr. Jyoti Yadav, Chiplun
 Dr. Ghanshyam PhulchandJangid, Guhagar
 Dr. Maruti Ramarao Kore, Lanja
 Dr. Akshay Kamle, Rajapur
 Dr. Sharon Sonawane, MD (CPM), S'shwar
 Dr. Kishor Jadhav, Dapoli&Khed
 Dr. Devidas Charkhe, Mandangad
 Dr. Mahendra Gawade, Ratnagiri

Rural Hospital

Dr. Balwant, Guhagar
 Dr. Satish Raosaheb Patil, M. O. Lanja
 Dr. Ramchandra Mestry, M. O. Rajapur

Block Development Officer

Mr. Suhas Pandit, Rajapur

ICDS (Integrated Child Development Service)

Shri. Rajesh Gajalwad, ICDS Officer, Lanja
 Mrs. P.C. Ligam, HOD, ICDS Officer, Rajapur

Sub District Hospital, Dapoli

Mrs. Anagha Ghag
 Mrs. Pandye, Head, Asha Sevika, Dapoli

Shri Siddhivinayak Ganpati Cancer Hospital, Miraj

Dr. Vikas Gosavi
 Mr. Vinod Terdal (Director, Administration)

Kolhapur Cancer Center, Kolhapur

Dr. Suraj Pawar, Director
 Mr. Suraj Wagare, IT/EDP Manager

Krishna Institute Medical Sciences, Karad

Dr. Anand Gudur

Arogyam Path Lab, Chiplun

Dr. Tejanand Ganpatye

Shraddha Pathology Lab, Ratnagiri

Dr. Ravindra Shrikhande

Sanjeevani Pathology Laboratory, Ratnagiri

Dr. Smruti Gurjar-Prabhudesai

Chirayu Hospital, Ratnagiri

Dr. Ramesh Chavan

President of Ratnagiri Doctors Association

Dr. Neenad Naphde
 Dr. Prasanna Mulye

Dr. Arun Nalawade, ENT Surgeon, Ratnagiri
 Dr. Munir Mhaskar, Onco Surgeon, Ratnagiri
 Dr. Parag Patre, ENT Surgeon, Ratnagiri

Gogate Clinic, Urologist, Ratnagiri

Dr. Sunil Gogate

Dr. Bhagwat Hospital, Dapoli

Dr. Suyog Bhagwat
 Dr. Tushar Bhagwat

Dr. Bhatkar Hospital, Dapoli

Dr. Shishir Bhatkar

Khan Bahadur Memorial Hospital, Dapoli

Dr. Munir Sarguru

Patwardhan Hospital, Dapoli

Dr. Naresh Patwardhan / Dr. Nivedita Patwardhan

Sushrut Hospital, Dapoli

Dr. Vaibhav Kulkarni, Surgeon

Mehta Hospital, Dapoli

Late Dr. Prashant Mehta, Surgeon
 Dr. Kunal Mehta, Surgeon

Soham Clinic, Lanja

Dr. Swarup Sarfare

Sadhichha Clinic, Kuve, Lanja

Dr. Pravin Sutar

Eklure Hospital, Lanja

Dr. Shripad Eklure / Dr. Swarup Eklure

Shree Mangesh Hospital, Lanja

Dr. Anil Patki / Dr. Hemant Patki

Nishkarsh Diagnostics, Shivaji Nagar, Ratnagiri

Dr. Ninad Naphade

Modern Path Lab, Khed

Dr. Vahida Mukadam

Siddhivinayak Clinical Laboratory, Rajapur

Mr. Rajesh Gelye

Tata Memorial Hospital, Mumbai

Dr. C S Pramesh, Director

Dr. Banavali S, Director Academics

Dr. Shailesh Shrikhande, Dy Director TMH

Dr. Siddhartha Laskar, Dy Director Academics

Mr. Anil Sathe, Director, Administration TMC

Mr. Suryakant Mohapatra, JCFA – TMC

Mr. Benny George, HRD Officer

Mr. Chandrakant Shetty, Jr AO

Mrs. Anagha Kadam, AAO

Mrs. Varsha Patil, Stenographer

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

Dr. Sudeep Gupta, Director

Dr. Navin Khattry, Dy Director, CRC – ACTREC

Dr. Prasanna Venkatraman, Dy Director, CRI-
ACTREC

Chhotubhai Desai Hospital, Lanja

Dr. Amit Desai

Dhanvantari Clinic - Vaibhav Vasahat, Lanja

Dr. Ashok Gaikwad / Dr. Vaishali Gaikwad

Joshi Hospital, Rajapur

Dr. Arun Joshi / Dr. Makrand Joshi

Mauli Clinic, Rajapur

Dr. Sagar Patil

Private Physicians/Clinicians

Dr. Vinod Joshi, physician, Anjarle, Dapoli

Dr. Leena Joshi, Physician, Anjarle, Dapoli

Dr. V.V. Suryavanshi, Physician, Asood, Dapoli

Dr. Sabir N. Momin, Physician, Kelshi, Dapoli

Dr. Swapnil Guhagarkar, Shree Clinic, Kelshi

Dr. Vaibhav Takbhate, Physicaian, Mandivli

Dr. Mahesh Agre, Physician, Jalgaon, Dapoli

Dr. Sunil Goriwale, Physician, Tadil, Dapoli

Dr. Shridhar Baam, Physician, Mandangad

Dr. Vivek Morvekar, Physician, Matwan

Dr. Vivekanand Fatak, Physician, Dapoli

Dr. Nikhil Paranjpe, Physician, Dhartale,
Rajapur

Tata Memorial Hospital, Mumbai



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**Bhaktshreshtha Kamalakar pant Laxman
Walawalkar Hospital, Dervan Ratnagiri**



“Cancer is curable if detected early”