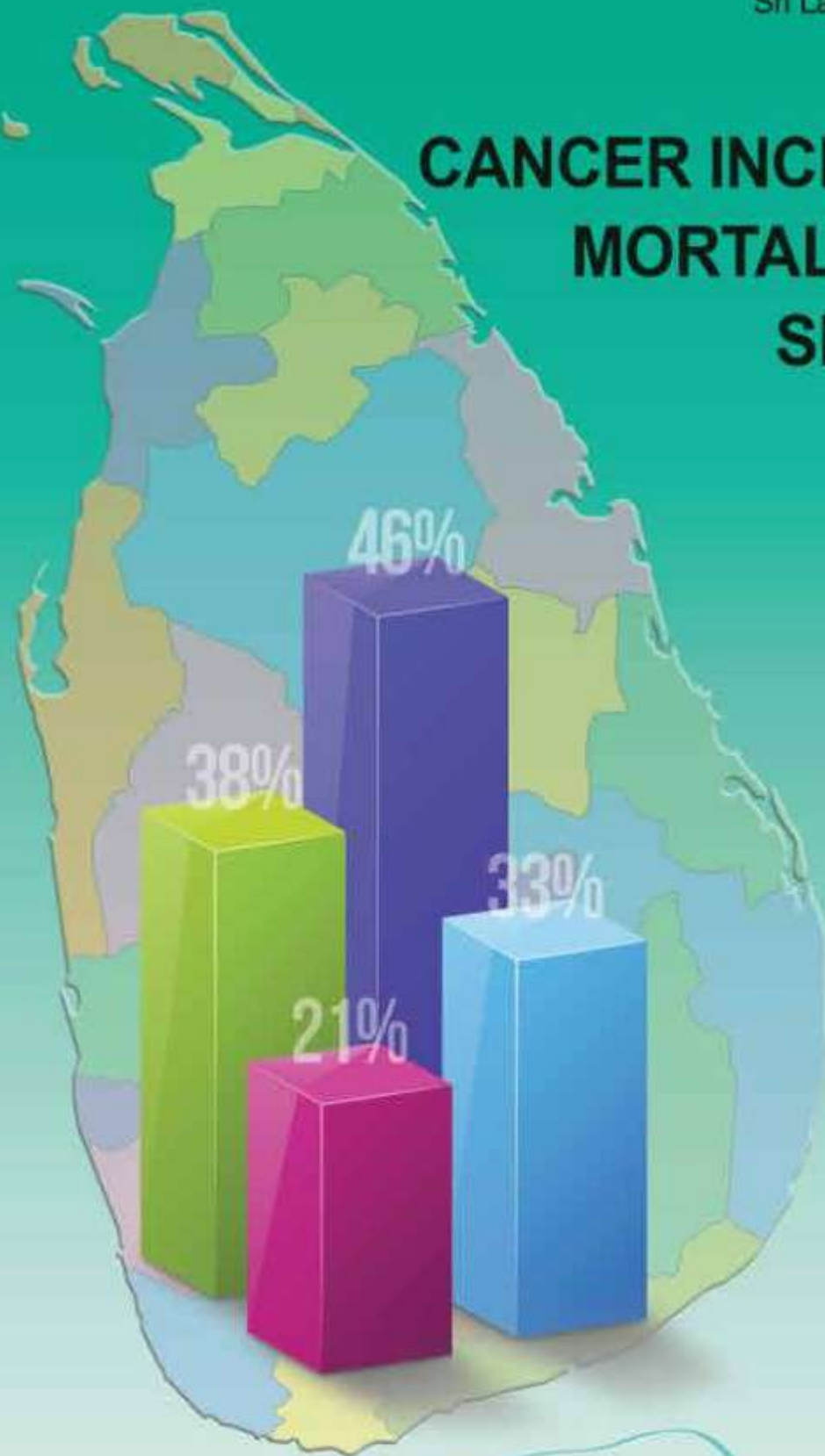


Sri Lanka Cancer Registry

21st Publication

CANCER INCIDENCE & MORTALITY DATA SRI LANKA 2019



NATIONAL CANCER CONTROL PROGRAMME
MINISTRY OF HEALTH

National Cancer Incidence and Mortality Data

Sri Lanka

2019



National Cancer Control Programme,
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Message from the Director General of Health Services



It is my pleasure to write this message for the publication 'National Cancer Incidence and Mortality Data Sri Lanka – 2019', by the National Cancer Control Programme, Ministry of Health, Sri Lanka.

Cancer is a major health problem which not only affects the health and wellbeing of patients and their loved ones but also incur huge health care cost for the country. As an increasing incidence of cancers are observed in Sri Lanka, the accurate and timely epidemiological data of cancers are of utmost importance.

I hope the data generated by this report on cancer patterns and trends, will be useful for planning, implementing, of control activities, monitoring and evaluation of existing strategies and to identify areas of services that need further strengthening.

I would like to thank the director the team of the National Cancer Control Programme for their continued surveillance of cancers in Sri Lanka and wish to extend my partnership to achieve the highest standard of cancer prevention and control in the country.

Dr. Asela Gunawardena
Director General of Health Services

Message from the Deputy Director General (Non - Communicable Diseases)



I wish to thank the director and the team of the National Cancer Control Programme for publishing the 'Cancer Incidence & Mortality Data, Sri Lanka - 2019'.

As Sri Lanka is heading for an epidemic of Non-Communicable Diseases (NCD), surveillance mechanisms of Non-Communicable Diseases need to be further strengthened. The National Cancer Control Programme (NCCP) has been monitoring trends of cancer in Sri Lanka for almost 36 years and has immensely contributed to the planning and implementation of many preventive and control activities of cancers in Sri Lanka.

Similarly, I hope the information generated from the current publication will meet the information needs for policy makers, health planners, physicians, researchers and others interested in the field of cancer prevention and control as well as provide essential information for monitoring and evaluation.

Dr. Champika Wickramasingha

MBBS, MSc, MD (Community Medicine)

Deputy Director General (Non-Communicable Diseases)

Foreword



National Cancer Control Programme (NCCP) of Ministry of Health would like to release 21th edition of 'Cancer Incidence & Mortality Data, Sri Lanka - 2019'. The contributions received from the stakeholders from the points of diagnosis (histopathology, haematology, oral pathology laboratories) points of treatment (specialized cancer treatment units, other units treating cancer patients) and points of death (divisional death registrar officers). In addition, cancer related mortality data published by the Registrar General Department and Department of Census & Statistics are incorporated for the publication to generate a comprehensive picture of cancer mortality data.

World Health Organization (WHO) country office, Colombo has provided technical support for cancer surveillance throughout the period. Especially WHO country office for providing partnership to clear the backlog is highly appreciated. Partnership given by Dr. Nalika Gunawardana, National Professional Officer (NPO), WHO country office is highly appreciated.

The National Cancer Control Programme would like to express special thank for all government cancer treatment centers, all government pathology laboratories, all government Oral and Maxillo- Facial surgery units and private sector hospitals for providing necessary data.

I acknowledge the contribution given by the Multi Tech Solution (Pvt) Ltd to complete this endeavor. In addition to that contribution from Cancer Care Association is appreciated.

I would like to thank the untiring effort of National Cancer Control Programme team for generating this publication and mitigating measures to clear the backlog of publishing cancer incidence data of subsequent years.

Dr. Janaki Vidanapathirana

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All the government cancer treatment centers

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Association of Oral Pathology & Oral Medicine

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Cancer Care Association – Sri Lanka

Executive Summary

Cancer Incidence and Mortality Data, Sri Lanka- 2019 is the 21st volume of the series of publication on cancer surveillance data, Sri Lanka. National Cancer Registry Sri Lanka is based on the newly reported cancers in the year 2019. The newly detected cancers through the cancer treatment centers, pathology laboratories, Oral and Maxillo Facial (OMF) surgery units in the country were considered for this publication. All the data were entered in to the 'Can Reg 5' data base. Quality checks were conducted and duplicate entries were eliminated. Analysis was done using CanReg 5 and SPSS software. For Cancer mortality data, mortality data published at the Annual Health Bulletin – 2019 were analyzed.

In the year 2019, a total number of 31,848 patients were newly diagnosed with cancer, giving crude incidence rate (CR) of 146.0 per 100,000 population. Crude incidence rate of males was 140.6/100,000 and Crude incidence rate of females was 151.1/100,000 population. The highest 5-year age specific incidence rates were reported among males and females of 70- 74 year age group (Males 1069.7/100,000 and females 746.0 /100,000). When age standardized rates (ASR) were considered, the overall ASR was 128.9/100 000 and the ASR for males and females were 132.6/100,000 and 128.8/100,000.

Lip, tongue and mouth cancers (n=2173, CR= 20.6/100,000), Trachea, bronchus and lung cancers (n=1264, CR 12.0/100,000), Colon and rectum cancers (n= 1260, CR= 11.9/100,000) and Oesophageal cancers (n=1100, CR = 10.4/100,000) were the highest incident cancers among males. Out of all male cancers, 15 % were lip, tongue and mouth cancers.

Breast (n= 4447, CR= 39.5/100 000), Thyroid (n=2202, CR= 19.6/100 000), Colon and rectum cancers (n= 1247, CR= 11.1/100 000) and Cervix uteri cancers (n=1114, CR=9.9/100 000) were the highest incident cancers among females. Out of all female cancers 26% were breast cancers.

Cumulative rate of developing cancer between the age group of 0-74 years males is 16.5% and females is 15.1%. It means that among 1 in 6.1 males and 1 in 6.6 females have risk of developing cancer during their life time.

Staging information was available for 7.1% breast cancers, 23.1% cervical cancers and 9.3% lip tongue and mouth cancers. Among those with staging information 40.7% breast cancers, 49.7% cervical cancers and 63.8% lip, tongue and mouth cancers were diagnosed at the advanced stages (Stage III and IV).

Out of all cancers 92.0 % were diagnosed microscopically and histopathology details were available for 88.2% cancers. There were 780 cases of childhood cancers (age between 0-19 Years) and 22.1 % were leukaemias.

Highest number of cancers were reported from Colombo district (n=4115, CR=168.1), Kandy district (n=1914, CR=129.7), Kurunegala district (n=1598, CR=92.9), Gampaha district (n=1543, CR= 63.8) and Rathnapura district (n=1136, CR=97.0).

A total of 6296 deaths were occurred due to cancers at government hospital settings in year 2019 according to Annual Health Bulletin, 2019.

Cancer Incidence, 2019

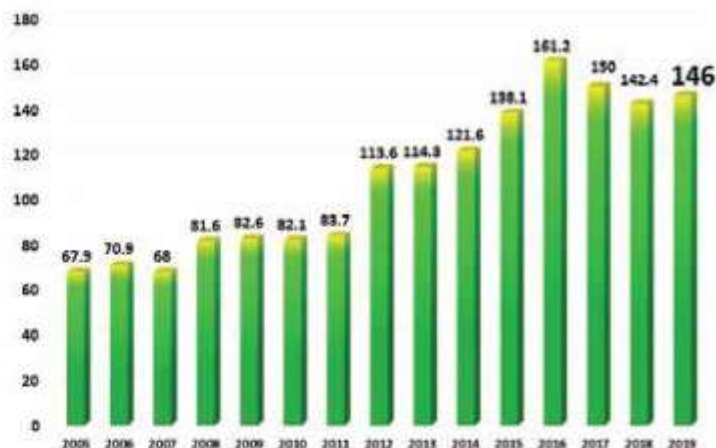
New cases **31848**



14854



16994



Crude cancer incidence rates of Sri Lanka
2005 -2019



2173

Lip, tongue and mouth (CR=20.6)

4447

Breast (CR=39.5)



1264

Trachea, bronchus and lung (CR=12)

2202

Thyroid (CR=19.6)



1260

Colon and rectum (CR=11.9)

1247

Colon and rectum (CR=11.1)



1100

Oesophagus (CR=10.4)

1114

Cervix uteri (CR=9.9)



1008

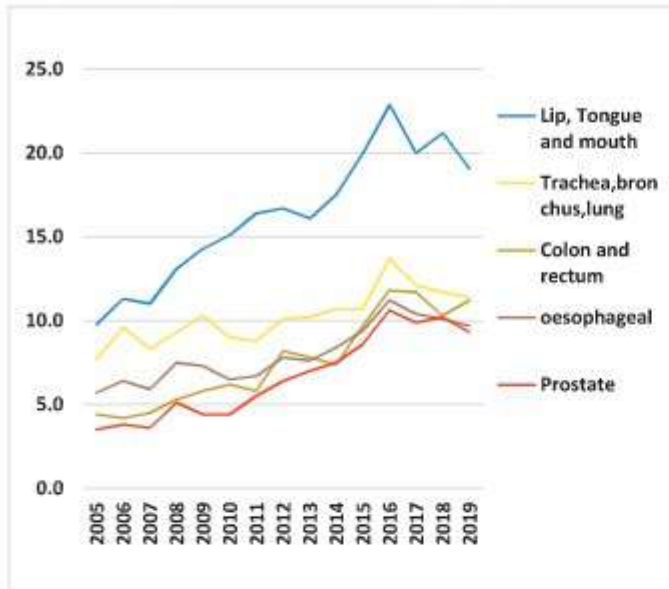
Prostate (CR=9.5)

988

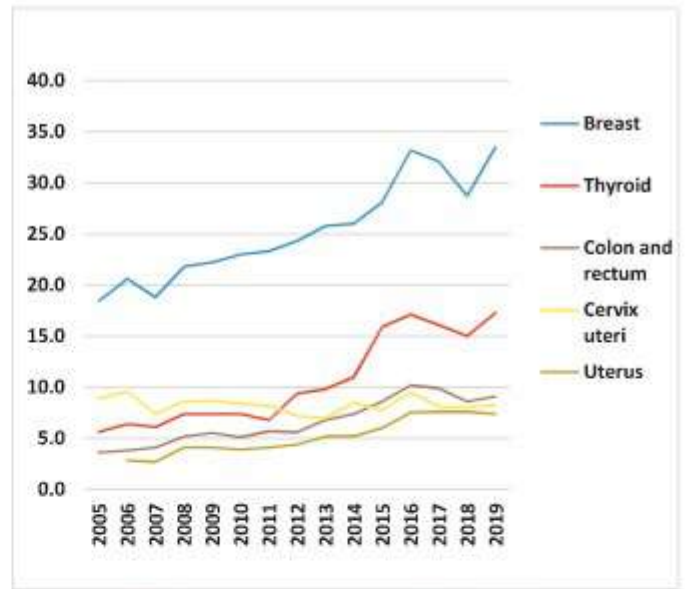
Uterus (CR=8.8)

Number of cases and Crude Incidence Rates of leading cancer sites by sex in Sri Lanka, 2019

(CR per 100 000 population)



ASR of five most common male cancers from 2005 - 2019



ASR of five most common female cancers from 2005 - 2019

Childhood cancers

(0-19 years)

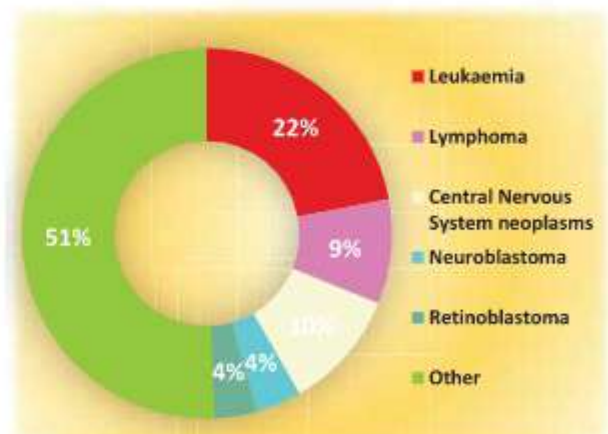


780

Cases



Number of Cases of Childhood Cancers from 2011 to 2019



Percentage Composition of Childhood Cancers - 2019

Cancer Incidence Data Sri Lanka – 2019

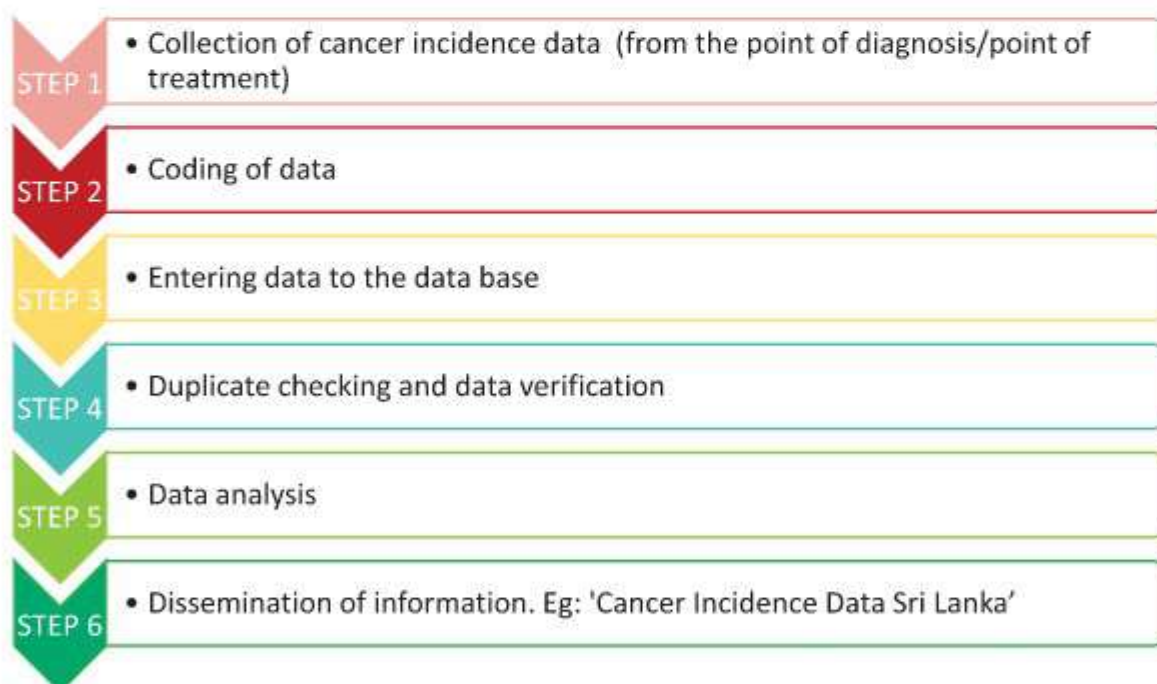
1. Introduction

Cancer surveillance (Cancer registration) is a process of systematic, continuous collection, storage, analysis, interpretation and dissemination of epidemiological information on cancers occurring in a country or a specific geographic area. Information generated from the cancer registration is essential for planning, implementation, monitoring and evaluation of cancer control activities of the country.

The National Cancer Control Programme (NCCP) of the Ministry of Health coordinates surveillance of cancers in Sri Lanka with the active participation of other stakeholders for cancer surveillance including cancer treatment centres, pathology laboratories, Oral and Maxillo Facial (OMF) units, professional colleges, WHO country office etc. The process of surveillance of cancers is technically guided by the International Agency for Research on Cancer (IARC) of WHO and WHO IARC Regional Hub for Cancer Registration, Mumbai India. In addition, technical help is received from Department of Epidemiology, Biostatistics and Cancer Registry, WIA Cancer Institute, Chennai India.

The information based on surveillance of cancers is published as 'Cancer Incidence Data Sri Lanka'. To date 20 volumes have been published (Annex I). The current publication is the 21th volume of Cancer Incidence Data Sri Lanka.

2. Methodology



2.1 Collection of cancer incidence data

Cancer incidence data were collected from cancer treatment centres, pathology laboratories and Oral & Maxillo-Facial (OMF) units throughout the country.

2.1.1 Newly registered cancer patients at the cancer treatment centres

In the year 2019, there were 24 government cancer treatment centres involved in data collection (table 1). Relevant data were extracted from cancer patients' clinic records using 'National Cancer Surveillance Form – H 1256'. Data were extracted by the medical officers, nursing officers and development officers attached to the cancer treatment centres, trained pre-intern medical graduates temporarily recruited through WHO Biennium funds and by the cancer registry staff of NCCP.

Table 1 : Distribution of government cancer treatment centres in year 2019

Category of hospital	Name of the hospital
National Hospitals	Apeksha Hospital - Maharagama (National Cancer Institute), National Hospital Kandy
Teaching Hospitals	Kotalawala Defence University Hospital, Colombo North Teaching Hospital, Karapitiya, Anuradhapura, Batticaloa, Rathnapura
Provincial General Hospitals	Badulla, Kurunegala
District General Hospitals	Gampaha, Kalutara, Matara, Hambantota, Polonnaruwa, Vavuniya, Chilaw, Trincomalee, Ampara, Vavuniya, Nuwaraeliya, Kegalle, Moneragala
Base Hospital	Telippalai (Jaffna)

2.1.2 Newly detected cancers at the pathology laboratories

The information on newly detected cancers at the pathology laboratories were received monthly through the 'Cancer Return Form - 1' (H-1290). A total of 57 Histopathology laboratories (18,798 diagnosed patients), 22 Haematology laboratories (760 diagnosed patients) and 3 oral pathology laboratory (842 diagnosed patients) have passively sent relevant data for the year 2019 (table ii).

Table 2 : Distribution of pathology laboratories which sent details of newly diagnosed cancer patients in year 2019

Category of hospital	Type of Pathology laboratory		
	Histopathology	Haematology	Oral Pathology
National Hospital	National Hospital of Sri Lanka National Hospital of Kandy	National Hospital of Kandy	National Dental Institute -NHSL
Teaching Hospitals	De Soysa Hospital for Women, Castle Hospital for Women, Lady Ridgeway Hospital, National Eye Hospital, Colombo South, Colombo North, National Hospital for Respiratory Diseases-Welisara Karapitiya, Rathnapura,	Colombo South, ColomboNorth, Karapitiya, Rathnapura, SBCH,	Karapitiya

Table 2 continued ...

Category of hospital	Type of Pathology laboratory		
	Histopathology	Haematology	Oral Pathology
	Anuradhapura, Peradeniya, SBCH, Batticaloa, Jaffna		
Provincial General Hospitals	Kurunegala, Badulla	Kurunegala	
District General Hospitals	Avissawella, Gampaha, Negombo, Kalutara, Matara, Hambanthota, Kegalle, Chilaw, Polonnaruwa, Nawalapitiya, Nuwaraeliya, Matale, Ampara, Trincomalee, Vavuniya, Kilinochchi	Gampaha, Kalutara, Kegalle, Chilaw, Nawalapitiya, Monaragala, Trincomalee, Vavuniya, Hambanthota	
Base Hospital	Telippalai (Jaffna), Homagama, Mulleriyawa, Wathupitiwala, Panadura, Balapitiya, Elpitiya, Tangalle, Kamburupitiya, Embilipitiya, Balangoda, Kuliyaipitiya, Nikaweratiya, Puttlam, Gampola, Dambulla, Diyathalawa, Mahiyanganaya, Karawanella	Homagama, Wathupitiwala, Panadura, Embilipitiya, Kuliyaipitiya,	
University Units	Faculty of Medicine – Colombo, Ruhuna, Jayawardanepura, Ragama	Jayawardanepura,	Faculty of Dental Sciences – Peradeniya
Private Sector	Delmons Hospital - Colombo		

2.1.3 Newly diagnosed cancers at the Oral & Maxillo - Facial (OMF) Surgery Units

Data on newly confirmed cancer patients at the Oral & Maxillo-Facial (OMF) surgery units were received annually through the Annual Notification Form of Oral Cancer (H -1294). A total of 25 OMF units have sent relevant data for year 2019 (table 3).

2.1.4: Distribution of OMF Units which sent details of newly diagnosed cancer patients in year 2019

Table 3 : Distribution of OMF Units which sent details of newly diagnosed cancer patients in year 2019

Category of hospital	Name of the hospital
National Hospital	Kandy, Dental Institute Colombo
Teaching Hospitals	Colombo South, Colombo North, Karapitiya, Rathnaura, Anuradhapura, Jaffna
Provincial General Hospitals	Badulla, Kurunegala
District General Hospitals	Ampara, Gampaha, Kalutara, Chilaw, Polonnaruwa, Hambantota, Matara, Nuwara Eliya, Trincomalee, Embilipitiya
Base Hospital	Kuliyaipitiya, Panadura, Awissawella
University Units	Dental Faculty Peradeniya

2.1.5 Population Based Cancer Registry – Colombo District

Two additional data sources were identified for capturing additional cancer incidence data from Colombo district when commencing the Population Based Cancer Registry and those data sources were also incorporated as data generating centres for national cancer registry.

2.1.6 Details from Medical Record Departments of Colombo district & adjacent districts

The information on cancer patients treated at the secondary and tertiary care hospitals in the government sector, private sector and armed services in the Colombo district and selected hospitals in the adjacent districts were collected through the 'Cancer Return Form -2' (H-1291). A total of 24 Medical Record Departments have sent the details in year 2019 (table 4).

Table 4: Distribution of Medical Record Departments which have sent the details of newly diagnosed cancer patients for year 2019.

Category of hospital	Name of the hospital
National Hospital	National hospital, Dental Institute, National Hospital for Respiratory Diseases
Teaching Hospitals	Colombo South, Colombo North, Colombo Eye hospital,LRH,DMH,CSHW, Sri Jayawardenapura
District General Hospitals	Avissawella, Gampaha
Base Hospital	Panadura, Horana, Mulleriyawa
Private Sector hospitals	Asiri Central, Asiri Medical, Asiri Surgical,Durdans,Lanka Hospital
Armed Services hospitals	Army hospital, Navy hospital, Police hospital

2.1.7 Details from Divisional Death Registrars of the Colombo District

Details of all cancer related deaths registered by the Divisional Death Registrars of the Colombo district were received through the Cancer Return Form – 3. A total of 40 divisional death registrars have sent relevant details for the year 2019.

2.2 Coding of cancer incidence data

According to the instructions of International Classification of Disease for Oncology 3rd edition (ICD-O 3), cancer incidence data were coded according to the site (Topography) and the histology (Morphology) of cancer.

2.2 Entering of cancer incidence data to the database

Cancer incidence data were entered into the CanReg5 database by the trained data entry operators attached to the NCCP and also by a third party of data entry operators in a private company through a

WHO funded project. Third party data entry operators were trained by the NCCP prior to data entering. Data entering process was closely monitored and supervised by the cancer registry staff and random checks were conducted to ensure accuracy and quality of data.

2.4 Duplicate checking & verification of data

Since National Cancer Registry - Sri Lanka extracts data on cancer incidence from multiple sources, occurrence of duplicates is inevitable. Therefore, while entering and confirming the data to the CanReg5 data base, duplicate checking was conducted using 'Person search' option of the CanReg 5. In addition to the duplicate checking done through CanReg 5, further duplicates were identified and removed using MS Excel and Linkpro software.

After removing possible duplicates, consistency checking and verification was conducted in using MS Excel and 'IARCcrg' software.

Mismatches according to;

- Age/Incidence and birthdates
- Age /Site /Histology
- Site /Histology
- Sex/Site
- Sex/Histology
- Behaviour /Site
- Behaviour / Histology
- Grade /Histology Basis of Diagnosis /Histology

To ensure reliability of data the mismatching data was crosschecked with original data source and corrected. Data sources up to the patient clinic files were rechecked in instances where mismatches were noted by the cancer registry staff of the NCCP. After identifying errors or misclassifications, necessary corrections were done before finalizing the data for analysis.

2.5 Analysis of cancer incidence data & dissemination of information

Data analysis was conducted using CanReg 5 software package, SPSS and MS Excel. The standard cancer registry tables described at the CI 5 (cancer incidence in five continents) were generated through CanReg 5 database. The frequency distribution of cancers and their percentages and age specific incidence rates were calculated using MS Excel and SPSS software version 22. The final report was disseminated as 'Cancer Incidence Data Sri Lanka 2019.

Population estimates used for incidence rate calculations are given in table 5.

Table 5 : Estimated mid-year population by district in Sri Lanka 2019

District	Male	Female	Total
Colombo	1,200,962	1,246,669	2,447,631
Gampaha	1,171,261	1,245,767	2,417,028
Kalutara	621,469	662,860	1,284,329
Kandy	703,588	772,039	1,475,627
Matale	251,879	270,438	522,317
Nuwara Eliya	367,302	400,704	768,006
Galle	541,745	587,993	1,129,738
Matara	413,233	449,524	862,757
Hambantota	324,939	336,439	661,378
Jaffna	289,922	327,499	617,421
Mannar	55,586	54,991	110,577
Vavuniya	93,065	96,015	189,080
Mulativu	48,408	48,582	96,990
Killinochchchi	63,282	65,487	128,769
Batticaloa	273,655	301,181	574,836
Ampara	352,440	375,646	728,086
Trincomalee	210,511	215,673	426,184
Kurunagala	825,416	893,453	1,718,869
Puttalama	402,464	429,138	831,602
Anuradhapura	457,495	479,684	937,179
Pollonnaruwa	217,403	222,305	439,708
Badulla	423,161	457,179	880,340
Moneragala	246,582	249,576	496,158
Rathnapura	577,337	593,702	1,171,039
Kegalle	423,042	464,212	887,254
Total	10,556,147	11,246,756	21,802,903

Source- Department of Census and Statistics

Cancer Incidence data of Sri Lanka - 2019



Figure 1: Population pyramid of Sri Lanka in 2019 by five-year age groups

Table 6 : Cancer incidence by sex in Sri Lanka 2005-2019

Year	Sex	No.	%	CR	ASR
2005	Male	6,058	45.3	62.3	68.1
	Female	7,314	54.7	73.4	73.4
	Total	13,372		67.9	70.6
2006	Male	6,205	44.1	62.7	69.2
	Female	7,875	55.9	79	79.5
	Total	14,080		70.9	74.2
2007	Male	6,356	46.6	63.8	70.9
	Female	7,279	53.4	72.2	72.8
	Total	13,635		68	71.6
2008	Male	7,695	46.6	76.5	85.5
	Female	8,816	53.4	86.6	88
	Total	16,511		81.6	86.4
2009	Male	7,858	46.5	77.4	86.4
	Female	9,030	53.5	87.7	89.1
	Total	16,888		82.6	87.5
2010	Male	7993	47.1	78	87.4
	Female	8970	52.9	86.2	87.7
	Total	16963		82.1	87.3
2011	Male	8370	47.8	80.6	90.4
	Female	9112	52.1	86.7	88.7
	Total	17482		83.7	89.2
2012	Male	11363	49.1	115.3	107.8
	Female	11773	50.9	112.1	95.5
	Total	23136		113.6	100.1
2013	Male	11364	48.2	114	106.3
	Female	12167	51.8	114.6	97.4
	Total	23531		114.3	100.7
2014	Male	12021	47.6	119.5	112
	Female	13250	52.4	123.6	105.3
	Total	25271		121.6	107.3
2015	Male	13921	48.1	137.1	128.6
	Female	15046	51.9	139.1	118.8
	Total	28967		138.1	122
2016	Male	16,533	48.4	161.1	151.2
	Female	17,646	51.6	161.3	137.4
	Total	34,179		161.2	142
2017	Male	15,458	48.1	148.9	140.2
	Female	16,712	51.9	151.1	128.8
	Total	32,170		150	132.7

Table 6 continued ...

Year	Sex	No.	%	CR	ASR
2018	Male	14,917	48.3	142.2	133.6
	Female	15,936	51.7	142.6	121.1
	Total	30,853		142.4	125.8
2019	Male	14854	46.6	140.6	132.6
	Female	16994	53.4	151.1	128.8
	Total	31848		146	128.9

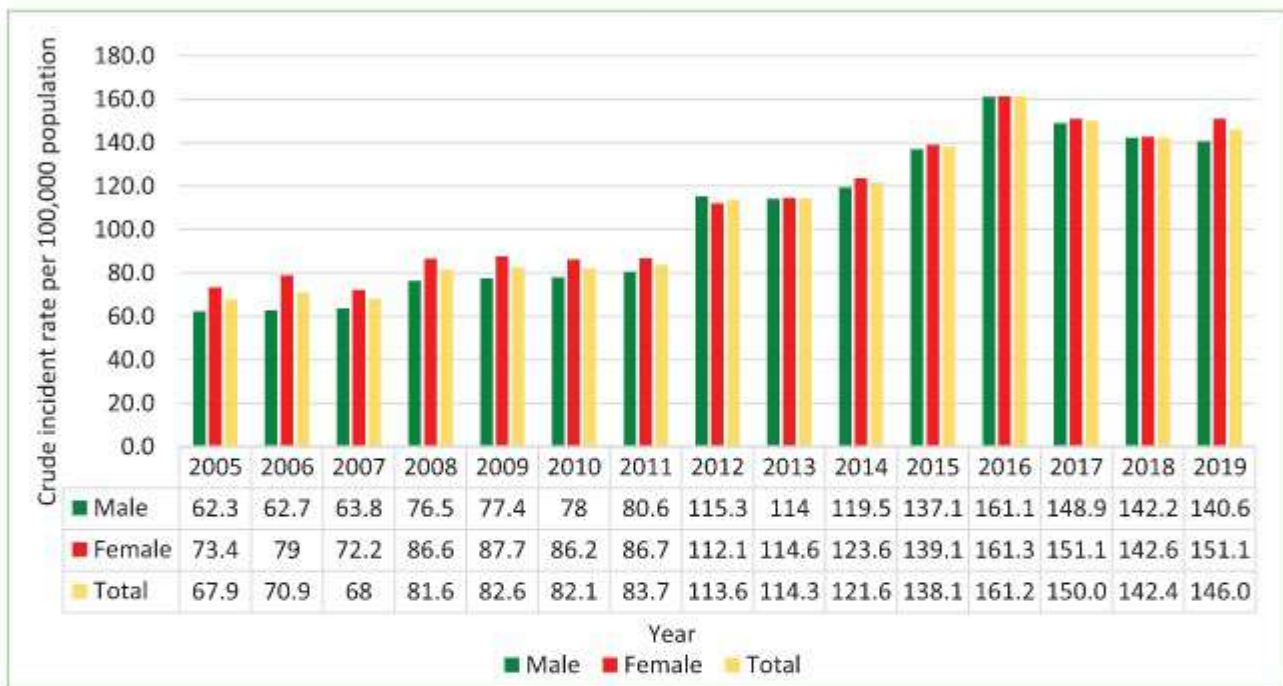


Figure 2: Crude Cancer Incidence in Sri Lanka 2005-2019

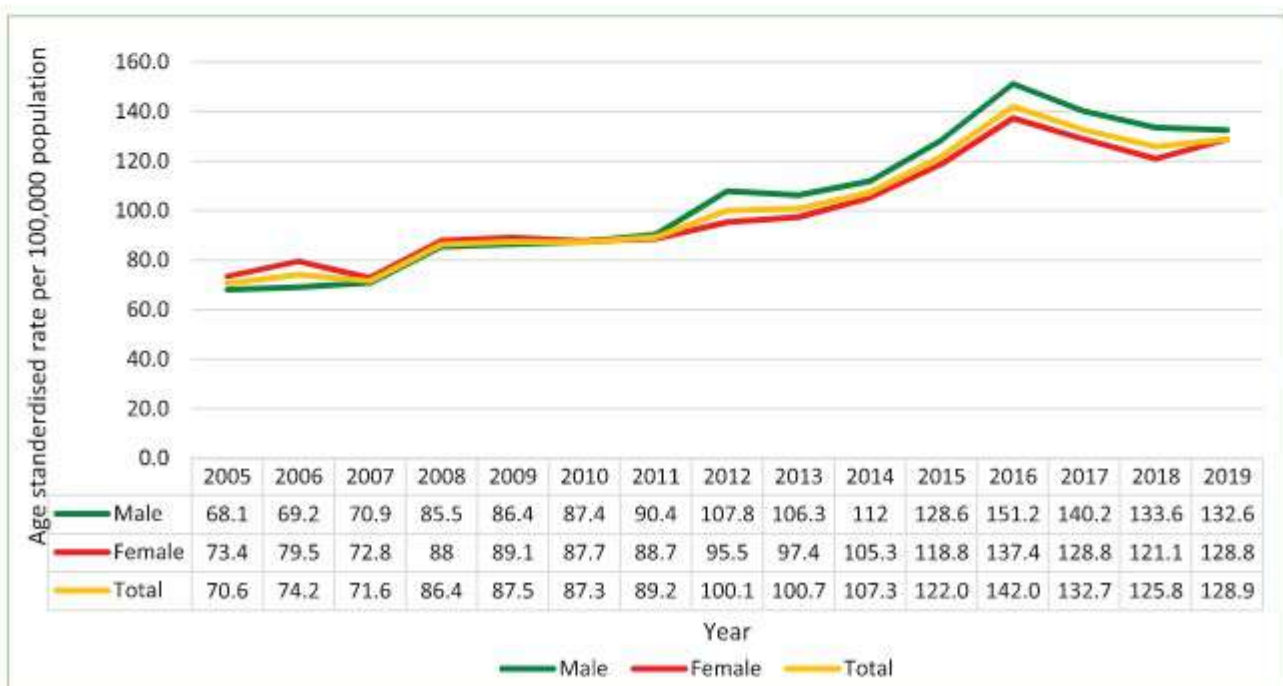


Figure 3: Age Standardized Rate per 100,000 population 2005-2019



Figure 4: Cancer Incidence Rates in Sri Lanka 2019

Table 7: Cancer Incidence by 5-year age group and sex in Sri Lanka, 2019

Age group	Male			Female			Total		
	Cases	Population	Incidence	Cases	Population	Incidence	Cases	Population	Incidence
unknown	58			77			135		
0-4	131	943302	13.9	112	927659	12.1	243	1870961	13.0
5-9	86	945924	9.1	64	928328	6.9	150	1874252	8.0
10-14	80	888965	9.0	66	869685	7.6	146	1758650	8.3
15-19	105	878967	11.9	136	883925	15.4	241	1762891	13.7
20-24	129	794864	16.2	216	846849	25.5	345	1641713	21.0
25-29	185	796281	23.2	330	867128	38.1	515	1663408	31.0
30-34	201	853278	23.6	536	902377	59.4	737	1755655	42.0
35-39	329	734434	44.8	845	774052	109.2	1174	1508486	77.8
40-44	538	708115	76.0	1151	746566	154.2	1689	1454681	116.1
45-49	772	661761	116.7	1578	714680	220.8	2350	1376441	170.7
50-54	1314	622197	211.2	1775	682834	259.9	3089	1305031	236.7
55-59	1919	535927	358.1	2024	602528	335.9	3943	1138456	346.3
60-64	2348	454911	516.1	2261	526346	429.6	4609	981257	469.7
65-69	2400	303137	791.7	2191	373213	587.1	4591	676349	678.8
70-74	2078	194256	1069.7	1836	246123	746.0	3914	440378	888.8
75 above	2181	239829	909.8	1796	354464	506.7	3977	594293	669.4
Total	14854	10556147	140.7	16994	11246756	151.1	31848	21802903	146.0

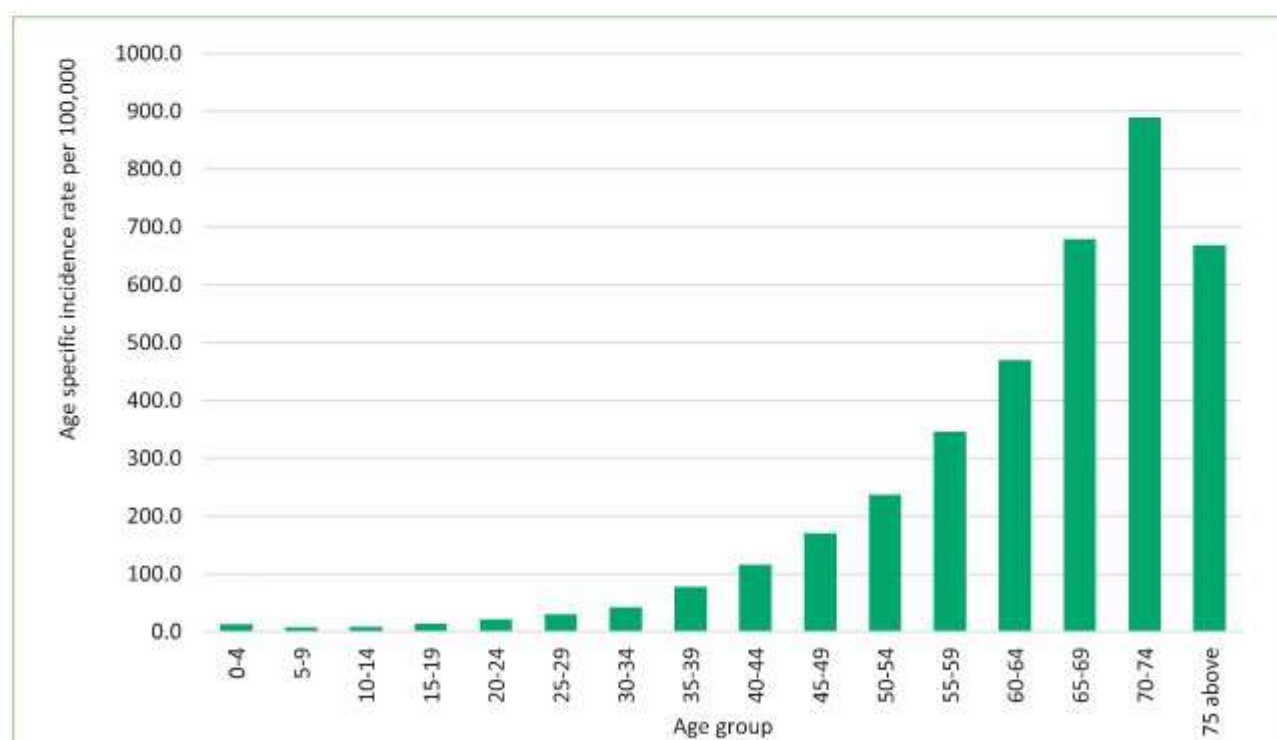


Figure 5: Age Specific Cancer Rates Sri Lanka, 2019

Table 8: Leading Cancer sites by sex in Sri Lanka, 2019

Male					Female				
ICD-10	Site	No.	CR	ASR	ICD-10	Site	No.	CR	ASR
C00-C06	Lip, Tongue, Mouth	2173	20.6	19.1	C50	Breast	4447	39.5	33.5
C33-C34	Trachea, bronchus and lung	1264	12.0	11.4	C73	Thyroid	2202	19.6	17.3
C18-C20	Colorectal	1260	11.9	11.2	C18-C20	Colorectal	1247	11.1	9.1
C15	Oesophagus	1100	10.4	9.7	C53	Cervix uteri	1114	9.9	8.3
C61	Prostate	1008	9.5	9.3	C54-C55	Uterus	988	8.8	7.4
C09-C14	Pharynx	665	6.3	5.7	C56	Ovary	953	8.5	7.3
C32	Larynx	627	5.9	5.6	C15	Oesophagus	817	7.3	5.9
C81-85 and C96	Lymphoma	617	5.8	5.6	C00-C06	Lip, Tongue, Mouth	586	5.2	4.3
C67	Bladder	543	5.1	4.9	C33-C34	Trachea, bronchus and lung	457	4.1	3.4
C16	Stomach	453	4.3	4.0	C81-85 and C96	Lymphoma	434	3.9	3.4
	All sites	14854	140.7	132.7		All sites	16994	151.1	128.8

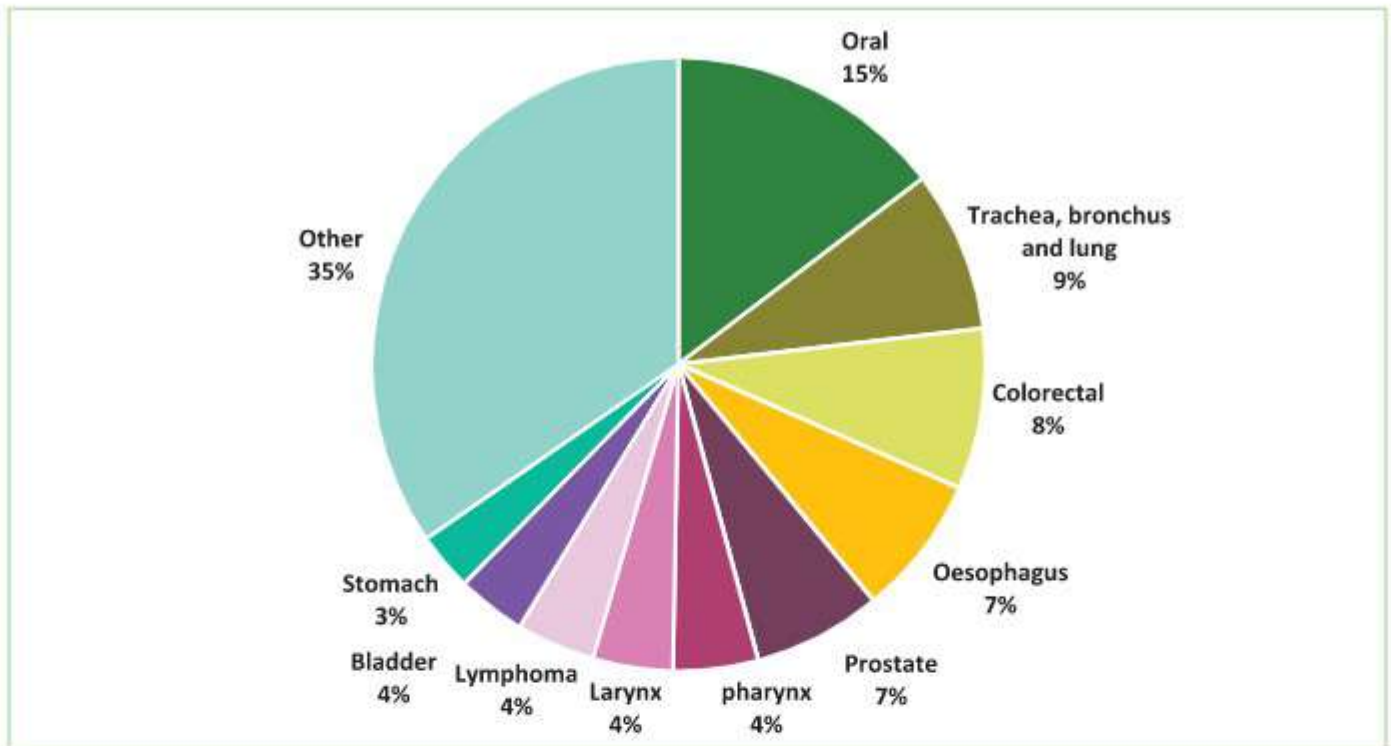


Figure 6: Proportion of leading cancers in Males Sri Lanka, 2019

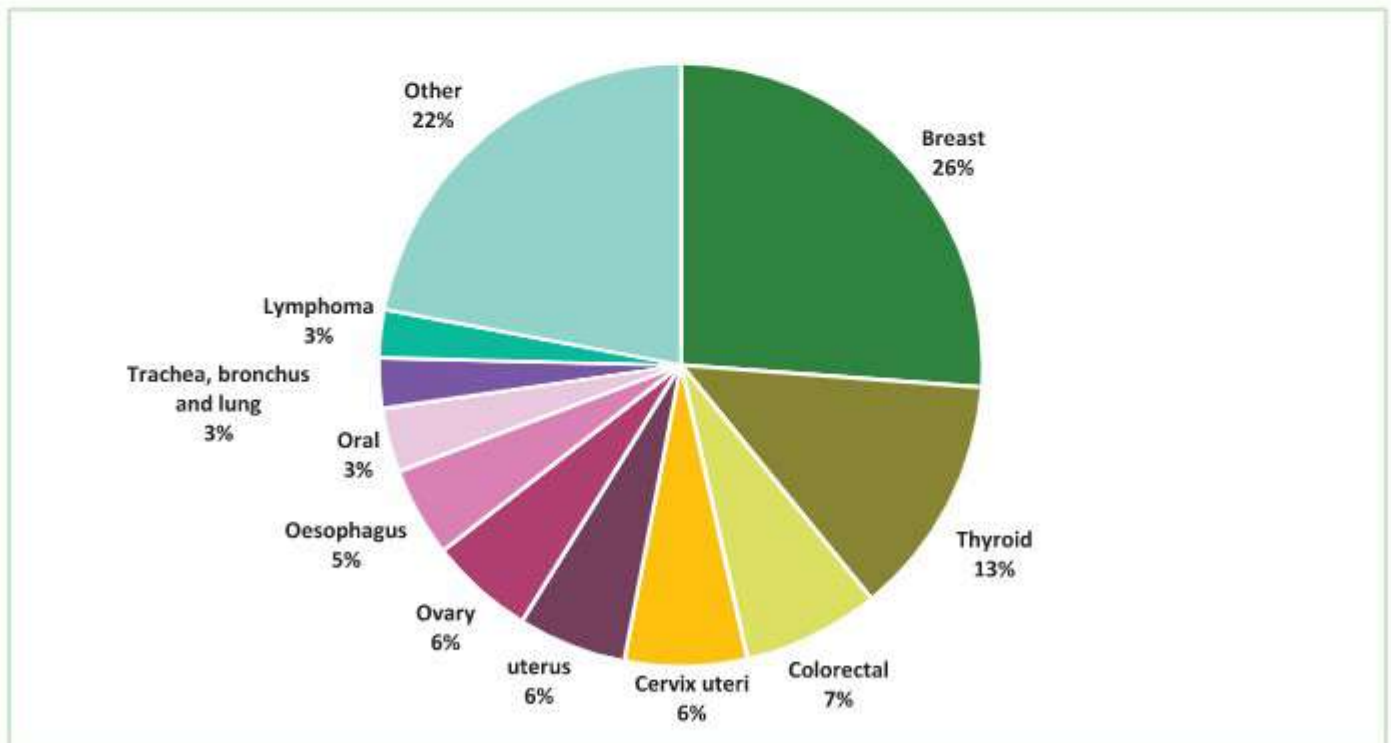


Figure 7: Proportion of leading cancers in Females Sri Lanka, 2019

Crude incidence rates of leading cancers in Sri Lanka, 2019

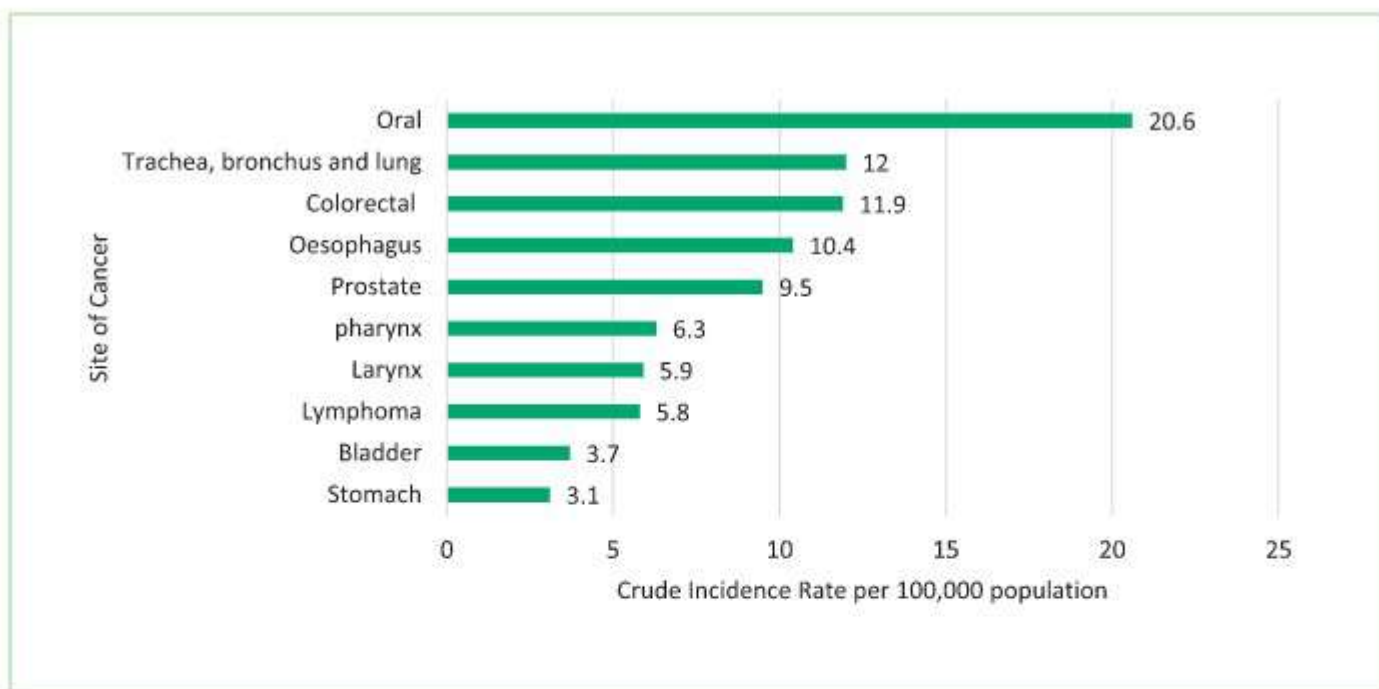


Figure 8: Crude Incidence Rate of leading cancers among males in Sri Lanka, 2019

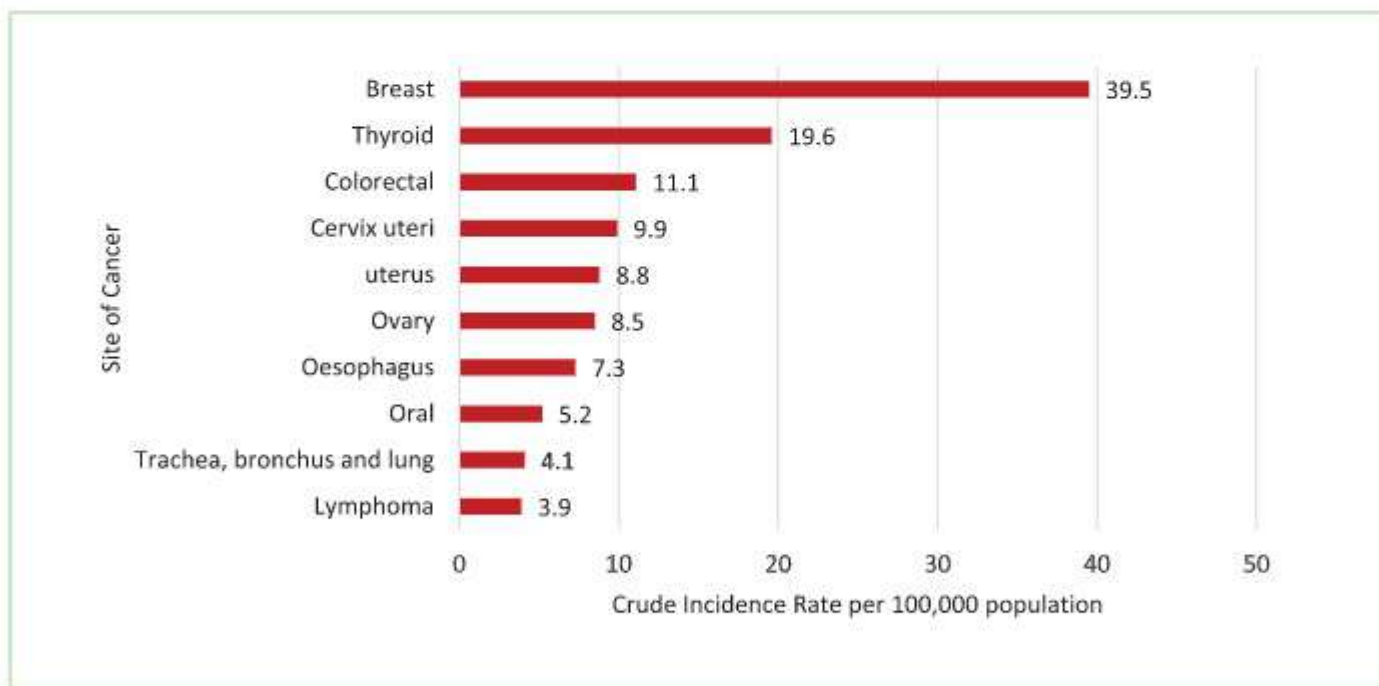


Figure 9: Crude Incidence Rates of leading cancers among females in Sri Lanka, 2019

Leading cancers in Sri Lanka according to age group in 2019

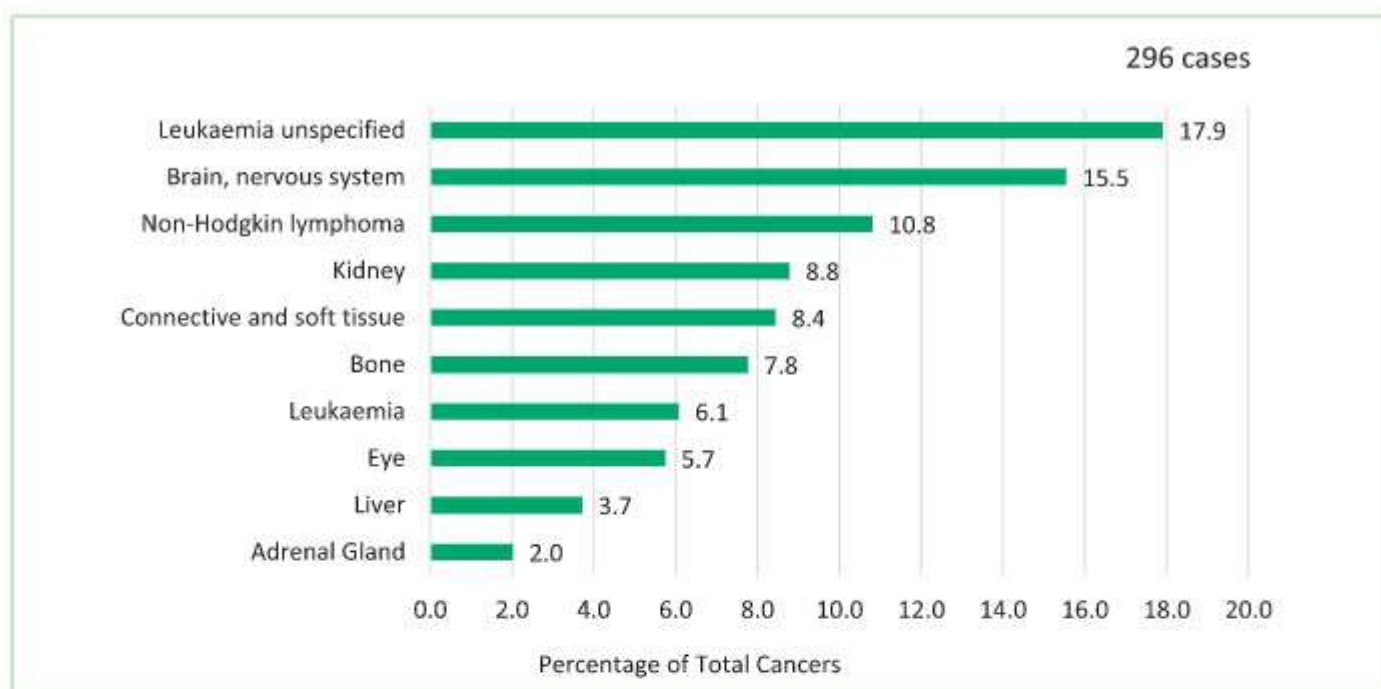


Figure 10: Leading cancers by 0 – 14 year age group among Males in Sri Lanka, 2019

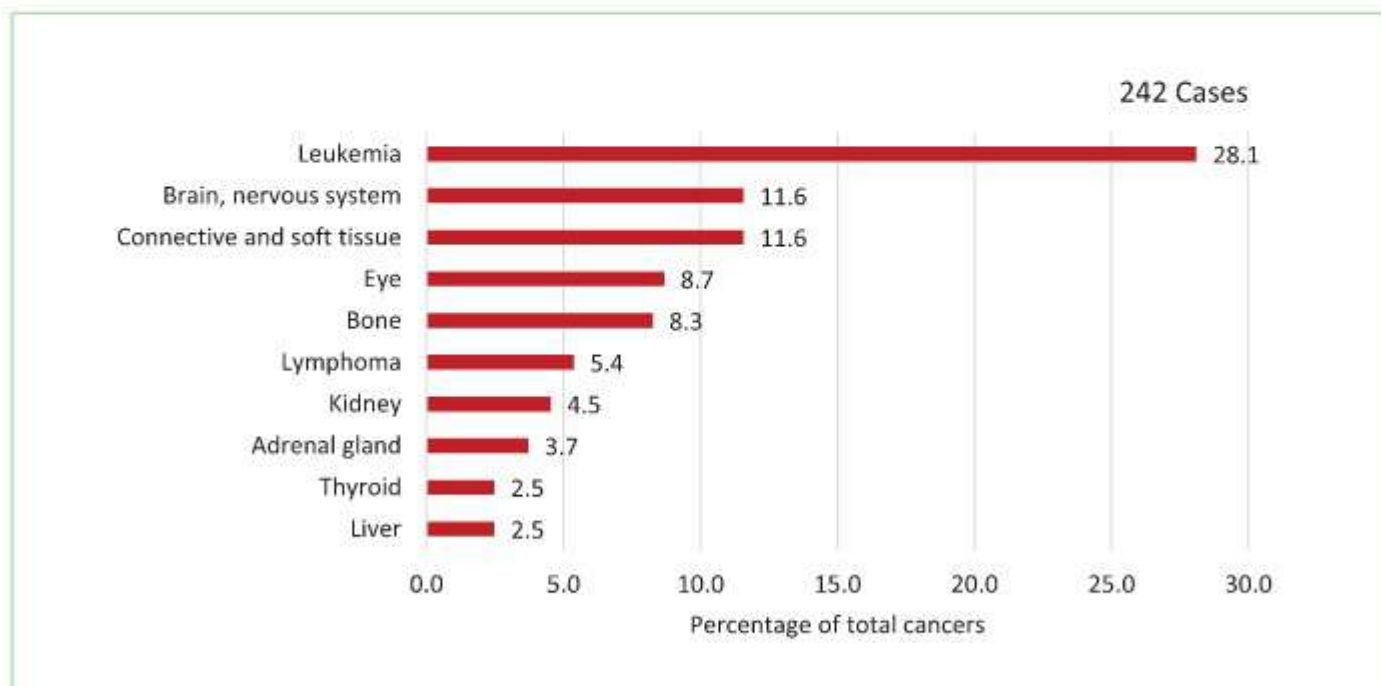


Figure 11: Leading cancers by 0 – 14 year age group among Females in Sri Lanka, 2019

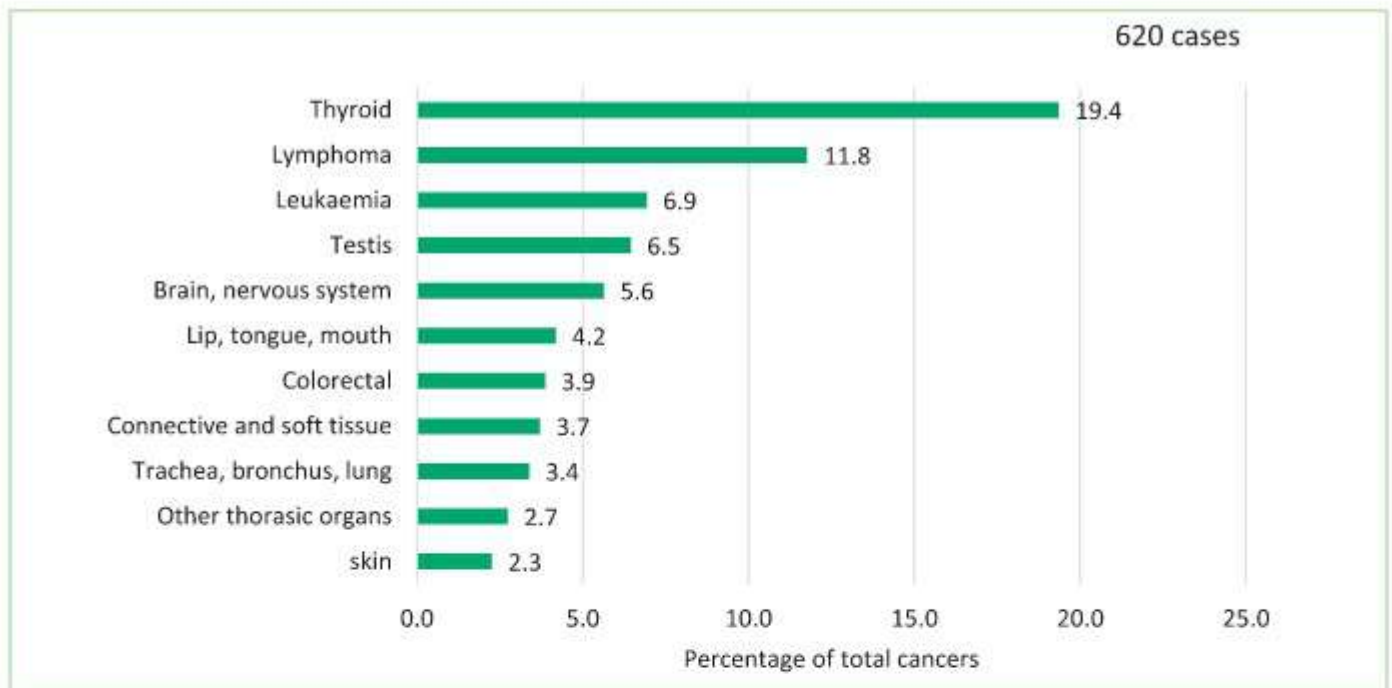


Figure 12: Leading cancers by 15-34 year age group among Males in Sri Lanka, 2019

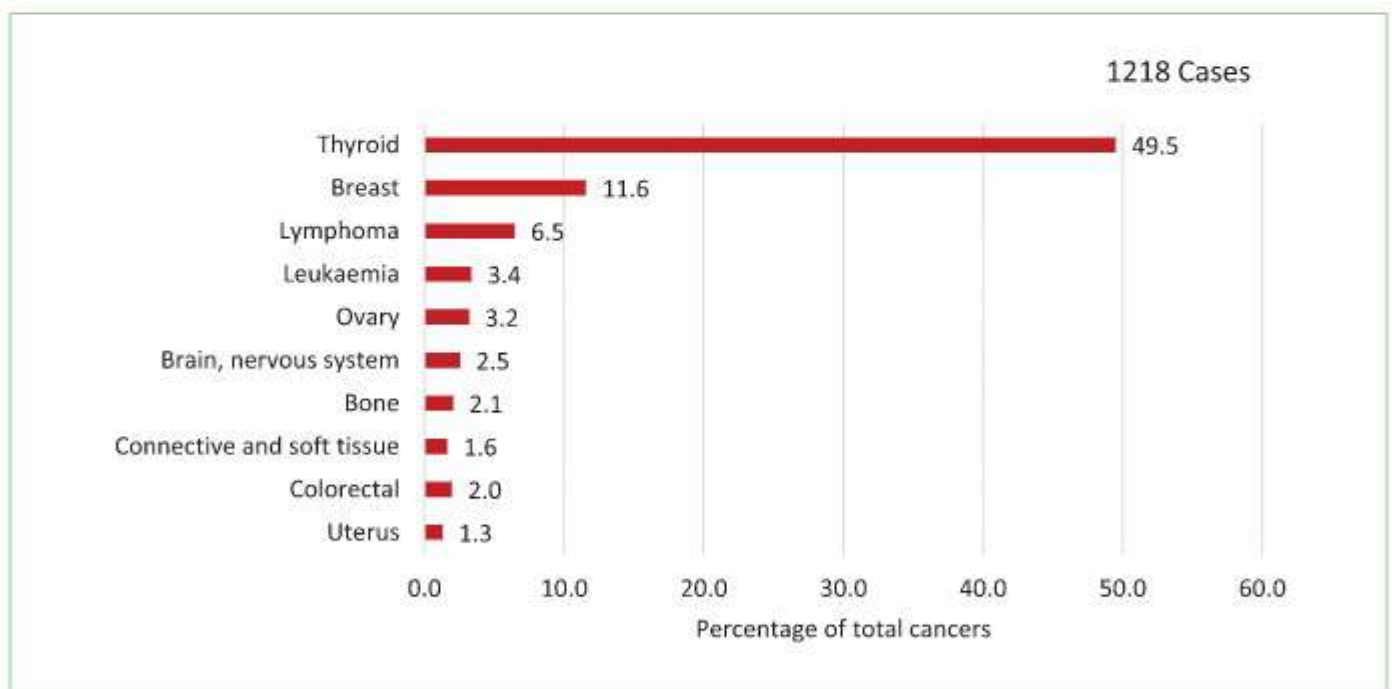


Figure 13: Leading cancers by 15-34 year age group among Females in Sri Lanka, 2019

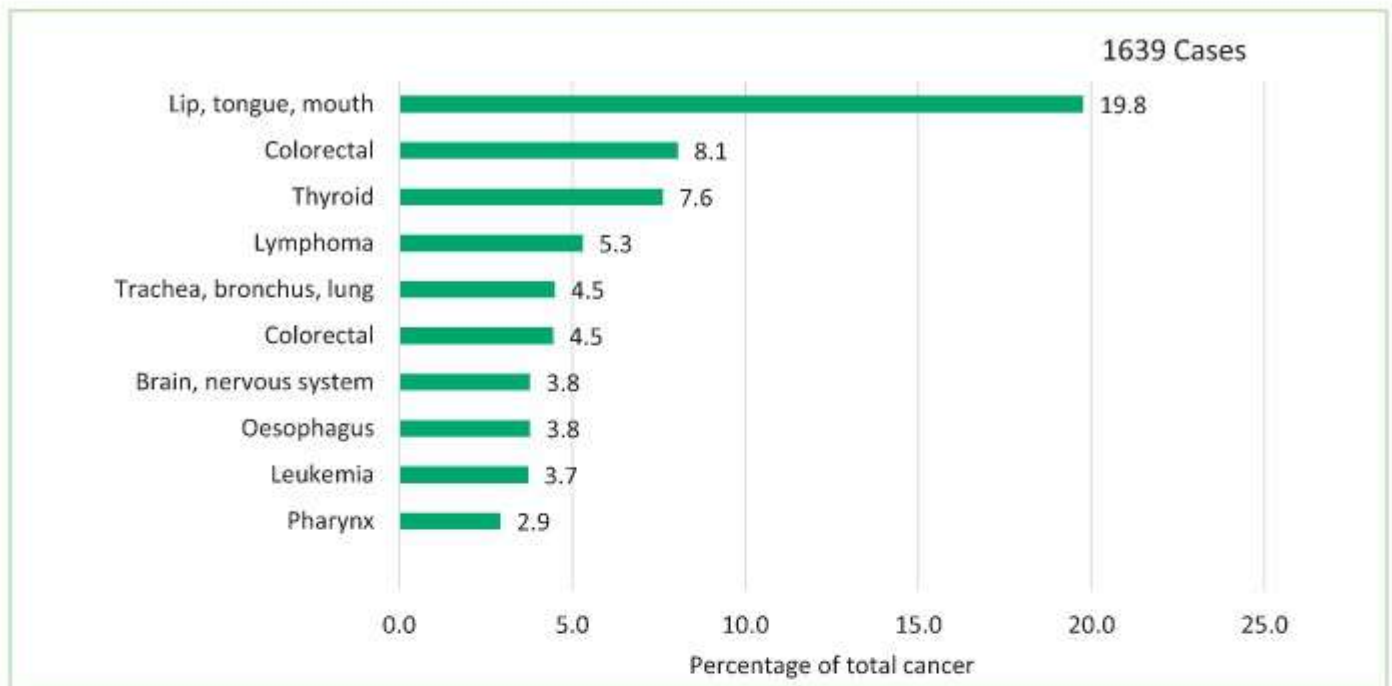


Figure 14: Leading cancers by 35-49 year age group among Males in Sri Lanka, 2019

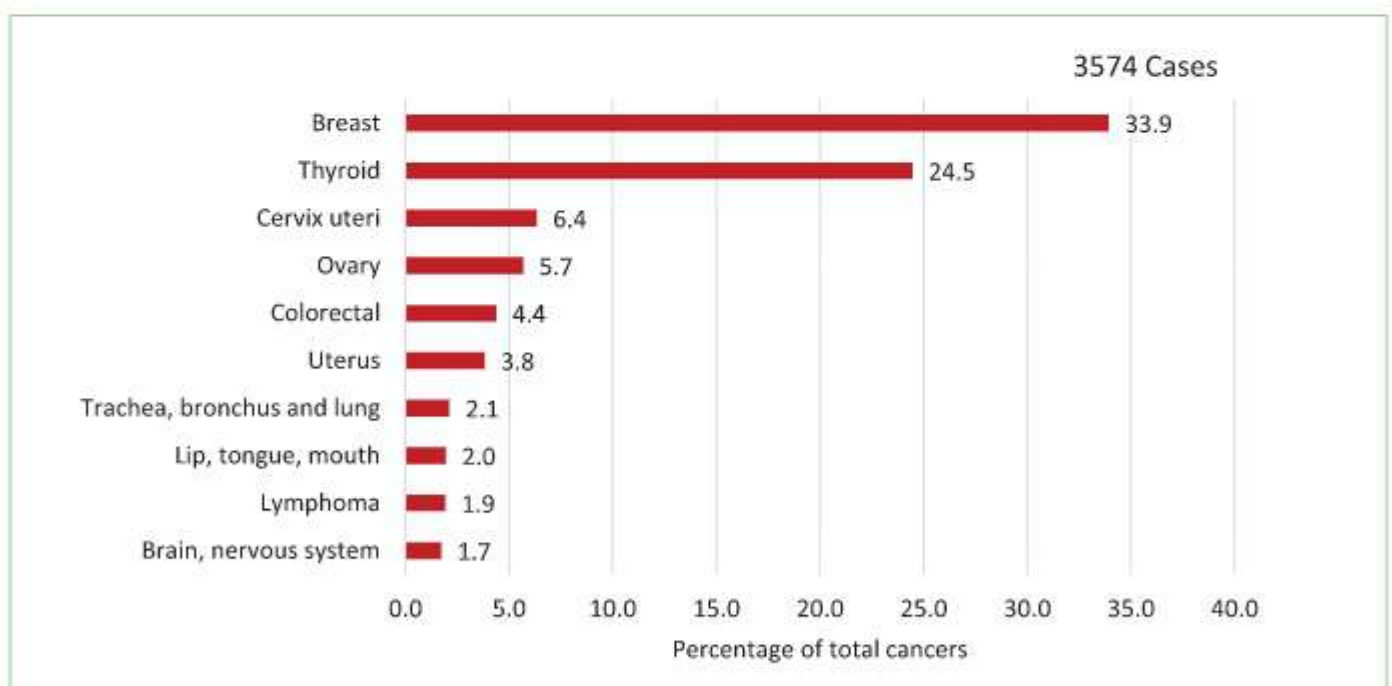


Figure 15: Leading cancers by 35-49 year age group among Females in Sri Lanka, 2019

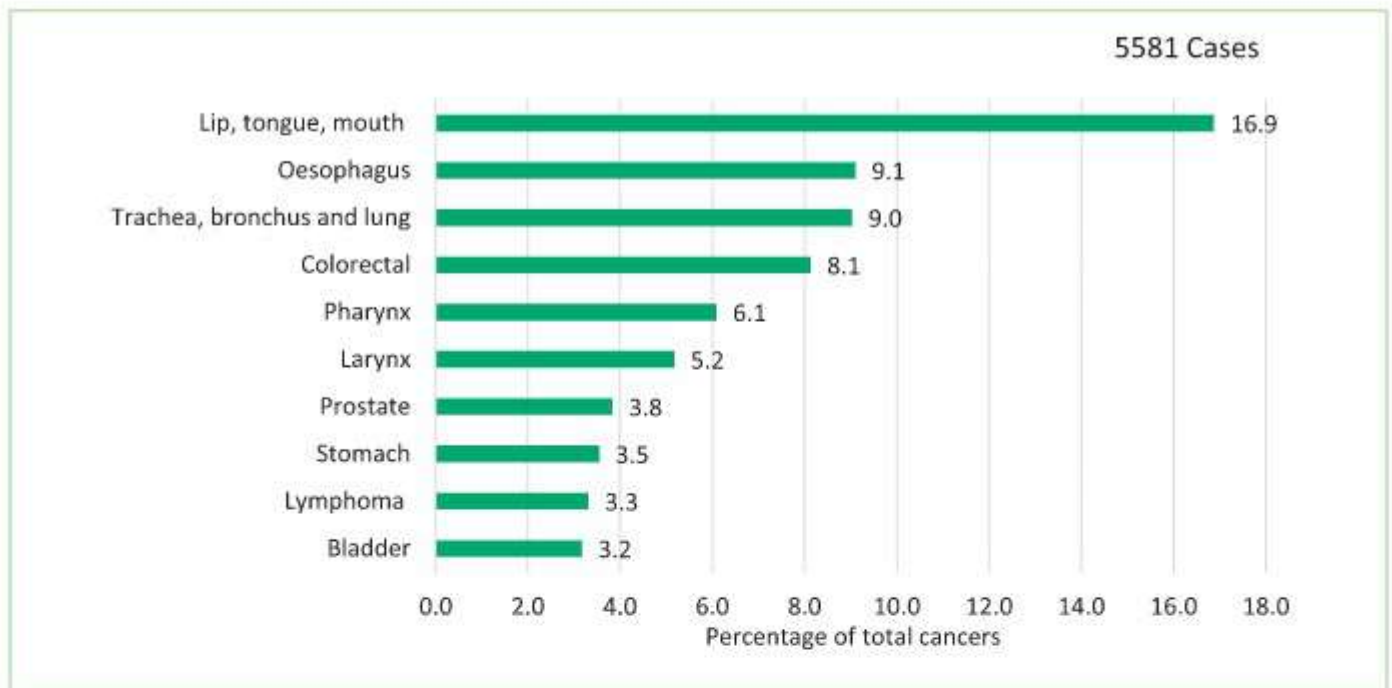


Figure 16: Leading cancers by 50-64 year age group among Males in Sri Lanka, 2019

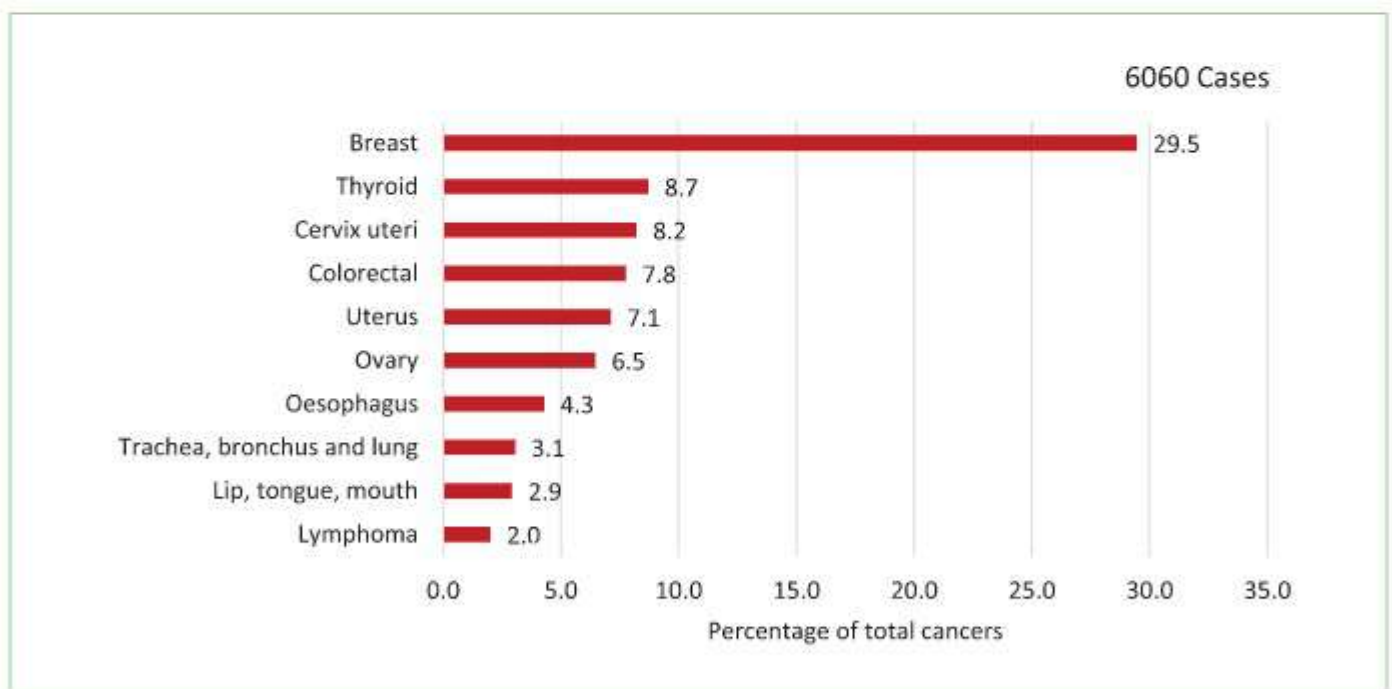


Figure 17: Leading cancers by 50-64 year age group among Females in Sri Lanka, 2019

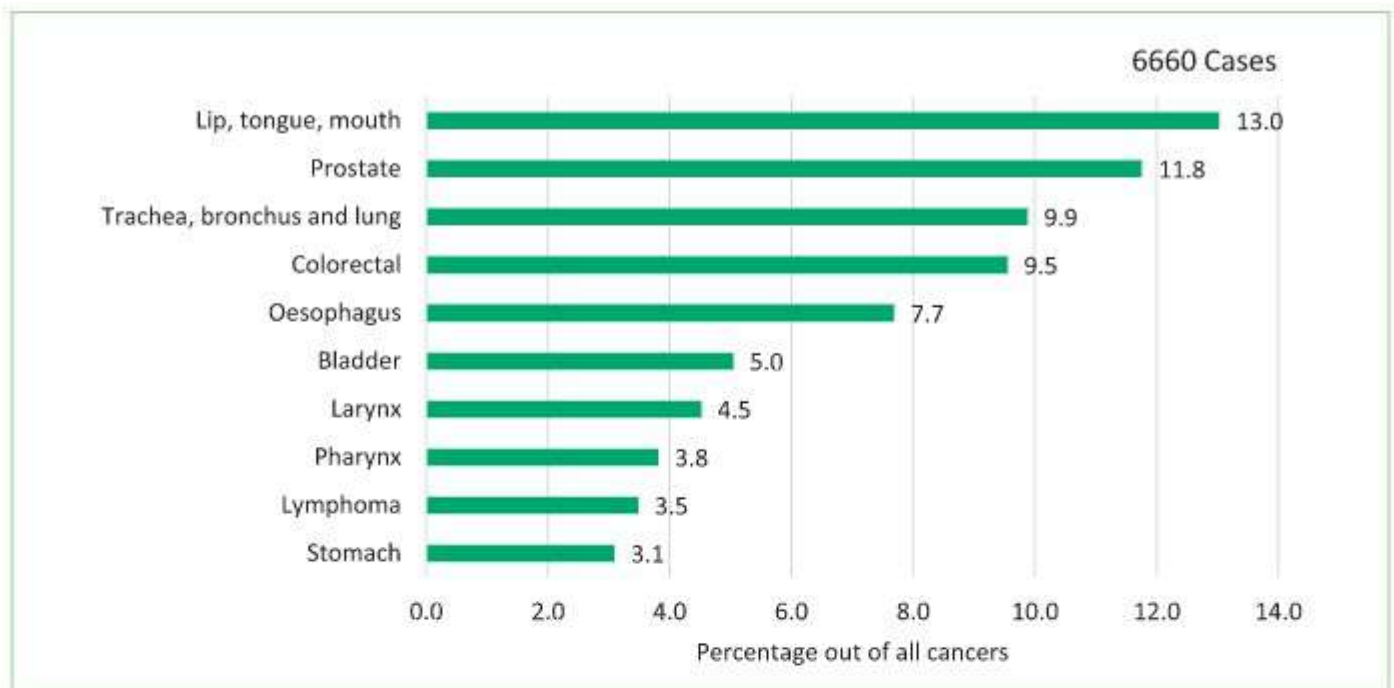


Figure 18: Leading cancers by 65 years & above age group among Males in Sri Lanka, 2019

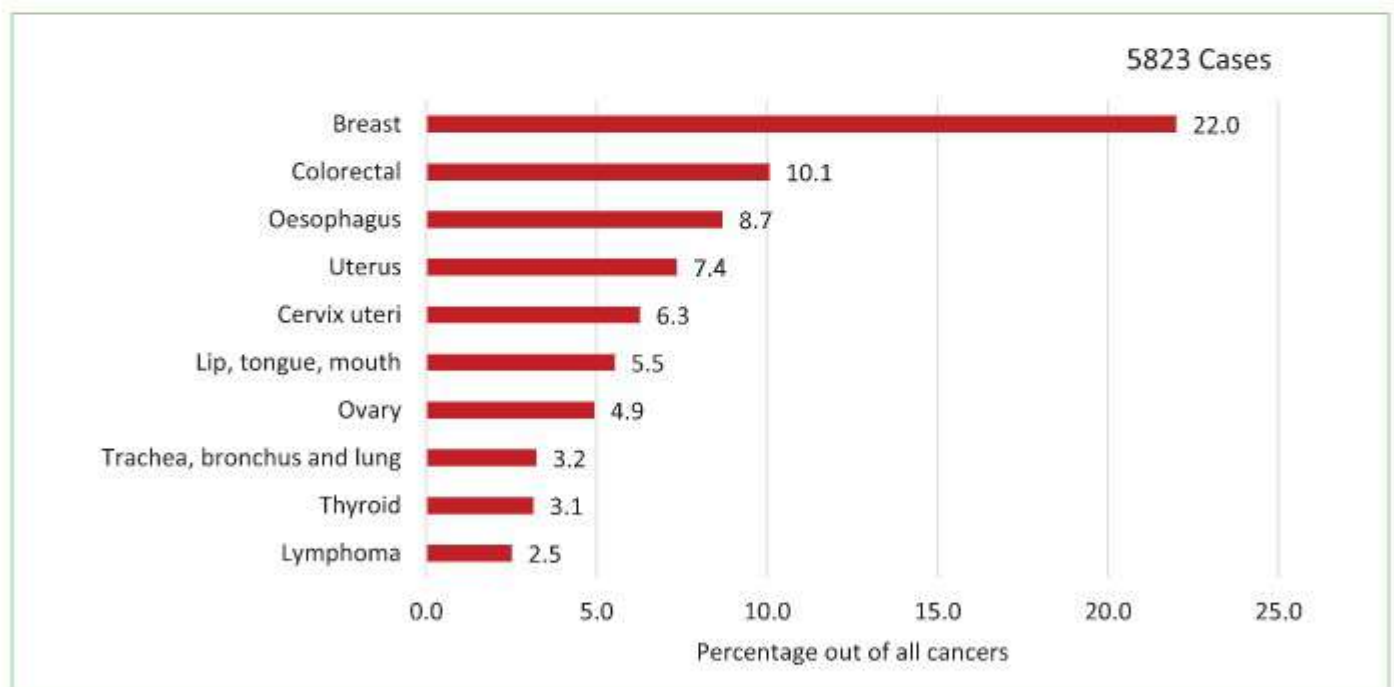


Figure 19: Leading cancers by 65 years & above age group among Females in Sri Lanka, 2019

Table 9 : Number of cancers by five-year age groups and ICD 10 site, among Males in Sri Lanka in 2019

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C00 Lip	0	0	0	0	0	0	1	2	5	5	1	17	20	15	20	17	0	103
C01 Base of tongue	0	0	0	0	0	0	0	2	2	8	10	18	15	7	24	15	2	103
C02 Other and unspecified parts of tongue	0	1	0	0	1	3	12	18	24	52	84	87	84	90	64	46	1	567
C03 Gum	0	0	1	0	0	0	0	2	7	5	13	12	12	22	25	28	0	127
C04 Floor of mouth	0	0	0	0	0	0	0	2	6	14	28	40	31	27	26	12	0	186
C05 Palate	0	0	0	0	2	1	0	3	8	16	30	33	38	30	25	21	0	207
C06 Other and unspecified parts of mouth	0	0	1	0	1	2	3	21	49	73	105	137	127	122	113	119	7	880
C07 Parotid gland	0	0	1	0	1	1	0	4	2	0	4	5	5	3	7	3	0	36
C08 Other and unspecified major salivary gland	0	0	0	1	0	1	0	1	4	2	1	2	4	4	2	2	0	24
C09Tonsil	0	0	0	0	0	0	0	2	3	11	16	15	23	15	18	12	1	116
C10 Oropharynx	0	0	0	0	0	0	0	2	6	13	21	35	28	27	11	22	0	165
C11 Nasopharynx	1	0	1	1	1	0	1	0	0	1	6	7	2	6	7	4	0	38
C12 Pyriform sinus	0	0	0	0	0	0	1	3	1	5	26	29	46	22	20	31	0	184
C13 Hypopharynx	0	0	0	0	0	0	0	0	1	5	10	12	11	6	8	9	0	62
C14 Other and ill defined sites	0	0	1	0	0	0	0	4	5	1	17	19	17	15	10	11	0	100
C15 Oesophagus	0	0	0	1	0	1	5	3	16	43	121	158	229	209	128	175	11	1100
C16 Stomach	0	0	0	0	1	0	3	4	21	20	45	73	80	75	71	60	0	453
C17 Small intestine	0	0	0	0	0	1	2	2	4	5	1	4	7	3	8	11	0	48
C18 Colon	1	0	0	6	0	7	11	18	23	32	40	79	78	111	80	95	0	581
C 19 Recto sigmoid junction	0	0	0	0	0	0	0	1	4	8	15	15	18	18	15	16	0	110
C 20 Rectum	0	0	2	0	2	1	3	12	14	20	38	69	102	89	97	115	5	569
C 21 Anus and anal canal	0	0	0	1	0	2	2	2	1	5	12	12	16	14	11	15	0	93
C 22 Liver and intrahepatic bile duct	6	3	2	0	1	1	2	4	8	12	23	44	77	68	67	57	0	375
C 23 Gall bladder	0	0	0	0	1	0	0	4	3	1	3	4	6	13	6	2	0	43

Table 9 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C 24 Other and unspecified parts of biliary tract	0	0	0	0	1	1	0	2	3	6	10	14	13	11	9	10	0	80
C 25 Pancreas	0	0	0	0	0	3	0	6	8	4	5	20	22	18	14	12	0	112
C 26 Other and ill defined digestive organs	0	0	0	0	0	0	1	1	2	1	1	1	6	7	1	5	0	26
C 30 Nasal Cavity and middle ear	2	0	0	1	0	2	2	3	3	7	7	14	18	11	13	16	0	95
C 31 Accessory sinus																		75
C 32 Larynx	1	0	1	0	0	0	1	5	10	16	60	109	120	119	91	91	3	627
C 33 Trachea	0	0	0	0	0	0	1	0	0	1	2	0	2	0	2	1	0	9
C 34 Bronchus and Lung	0	0	1	2	3	9	6	12	21	41	94	165	241	269	221	165	5	1255
C 37 Thymus	0	0	0	1	1	1	2	1	4	1	3	4	2	2	2	4	3	31
C 38 Heart mediastinum and peura	0	0	0	0	0	0	0	0	1	2	1	3	4	5	7	3	0	26
C 39 Other and ill defined sites with in respiratory system and intra thorasic organs	0	1	11	17	4	4	3	5	1	4	0	1	0	1	4	1	0	57
C 40 Bone and articular cartilage of limb	5	1	5	1	2	0	4	3	3	1	0	5	7	2	4	0	0	43
C 41 Bone, joints and articular cartilage of other and unspecified sites	0	1	0	0	0	0	2	0	0	0	2	4	5	9	4	10	0	37
C 43 Melanoma of skin	2	0	2	2	3	4	3	6	14	10	24	36	50	43	36	59	6	300
C 44 Other malignant neoplasm of skin	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	3
C 45 Mesothelioma	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	3
C 47 peripheral nervus and autonomic nervous system	3	1	0	0	0	1	0	0	0	2	0	0	0	1	0	2	0	10
C 48 Retro peritoneum and peritoneum	0	0	0	0	0	0	1	0	0	2	4	0	3	4	2	2	0	18
C 49 Connective subcutaneous and other connective tissue	13	6	2	5	6	3	8	6	14	12	8	18	18	11	10	11	1	152
C 50 Breast	0	0	0	1	0	2	2	1	7	11	9	18	20	13	11	18	0	113
C 60 Penis	1	0	1	1	0	0	1	3	12	5	11	25	10	25	25	30	1	151

Table 9 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C 61 Prostate gland	1	0	0	0	0	0	0	0	2	5	21	56	137	238	239	306	3	1008
C 62 Testis	3	0	0	6	7	17	10	13	4	6	10	9	5	3	4	6	0	103
C 63 Other and unspecified male genital organs	0	0	0	0	1	0	1	0	1	0	0	1	1	1	3	2	0	11
C 64 Kidney	21	5	0	0	1	1	1	7	15	31	33	38	46	47	28	22	0	296
C 65 Renal pelvis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
C 66 Ureter	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	0	5
C 67 Bladder	0	0	0	0	1	1	3	1	9	15	27	51	99	105	99	132	0	543
C 68 Other and unspecified urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5
C 69 Eye and adenexa	13	4	0	1	0	0	0	0	3	1	1	2	2	4	2	7	0	40
C 70 Meninges	0	0	0	0	0	0	1	0	2	4	0	3	1	1	2	0	0	14
C 71 Brain	13	22	10	7	8	11	8	17	16	21	18	28	21	20	19	9	1	249
C 72 Spinal cord, cranial nerves and other parts of central nervous system	1	2	1	0	0	0	0	1	0	1	0	0	0	1	1	1	0	9
C 73 Thyroid gland	0	0	0	14	24	52	30	42	45	38	47	47	38	30	16	18	1	442
C 74 Adrenal gland	3	1	2	1	1	0	2	0	1	3	2	0	2	1	0	0	0	19
C 75 Other endocrine glands and related structures	0	0	0	0	2	0	0	0	1	1	0	1	2	0	1	0	0	8
C 76 Other and ill defined sites	0	0	0	0	0	0	0	0	2	1	3	10	7	6	3	6	0	38
C 77 Unspecified malignant neoplasm of lymphnodes	0	0	0	0	0	1	4	4	3	0	7	6	7	9	9	10	1	61
C 80 Unknown primary	3	2	4	3	4	8	11	25	43	82	126	159	184	183	152	140	3	1132
C 81 Hodgekins disease	0	0	5	6	10	10	8	6	7	6	7	9	9	4	3	7	2	99
C 82 Follicular non Hodgekins Lymphoma	0	0	0	0	0	1	0	2	1	5	10	3	3	9	4	2	0	40
C 83 Diffuse non Hodgekins lymphoma	1	4	6	5	3	4	0	3	2	7	7	10	12	14	15	15	0	108
C 84 Peripheral and cutaneous T cell lymphoma	0	1	2	0	3	1	0	1	2	1	0	1	4	4	1	2	0	23

Table 9 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C 85 Other and unspecified types of non -Hodgkins lymphoma	2	5	4	2	7	5	8	11	14	16	28	35	51	55	46	51	1	341
C 88 Malignant immunoproliferative disease	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
C 90 Multiple myeloma and malignant plasma cell neoplasm	0	0	0	0	0	0	2	1	13	11	19	37	32	41	50	41	0	247
C 91 Lymphoid leukemia	6	9	3	8	5	7	6	9	5	4	8	7	14	10	6	8	0	115
C 92 Myeloid leukemia	4	0	3	5	8	6	13	8	13	19	13	23	18	31	25	25	0	214
C 93 Monocytic leukemia	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	4
C 94 Other leukemia of specified cell type	0	0	0	0	2	0	0	1	1	1	0	2	4	1	2	1	0	15
C 95 Leukemia of unspecified type	24	15	7	5	4	4	4	5	4	2	2	2	3	1	2	6	0	90
C 96 Other and unspecified malignant neoplasm of lymphoid, hematopoetic and related tissue	1	1	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	8
D 45 Polycythemia vera	0	1	0	0	0	0	1	0	2	3	4	2	1	4	1	0	0	19
D 46 Myelodysplastic syndrome	0	0	0	0	0	1	1	0	1	0	0	3	12	7	12	19	0	56
D 47 Other neoplasm of uncertain or unknown behaviour of lymphoid, haematopoietic and related tissue	0	0	0	0	2	2	0	1	2	3	1	4	6	4	3	3	0	31
Total	131	86	80	105	129	185	201	329	538	772	1314	1919	2348	2400	2078	2182	58	14854

Table 10 :Number of incidence cancers by five-year age groups and ICD 10 site, among Females in Sri Lanka in 2019

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C00 Lip	0	0	1	0	0	0	0	2	0	0	0	4	1	5	8	6	0	27
C01 Base of tongue	0	0	0	0	0	1	0	0	1	0	3	2	1	4	2	1	1	16
C02 Other and unspecified parts of tongue	0	0	0	0	1	1	4	3	7	14	16	13	17	20	16	15	0	127
C03 Gum	0	0	0	0	0	0	0	1	3	2	2	9	6	10	15	10	0	58
C04 Floor of mouth	0	0	0	0	0	0	0	0	0	1	2	4	4	2	8	3	0	24
C05 Palate	0	0	0	0	3	0	1	0	3	1	4	5	5	11	2	5	0	40
C06 Other and unspecified parts of mouth	0	0	0	1	0	2	1	8	9	15	19	31	29	46	55	78	0	294
C07 Parotid gland	0	0	0	0	1	1	1	1	3	1	4	3	2	2	3	2	0	24
C08 Other and unspecified major salivary gland	0	0	0	1	0	0	0	1	0	2	1	1	4	0	3	3	0	16
C09 Tonsil	0	0	0	0	0	0	0	1	1	3	1	1	3	3	3	1	0	17
C10 Oropharynx	0	0	0	0	0	0	0	0	1	1	2	5	5	1	4	5	0	24
C11 Nasopharynx	0	0	0	1	0	0	0	1	2	0	2	2	0	1	0	0	0	9
C12 Pyriform sinus	0	0	0	0	0	0	1	0	0	3	1	4	5	5	2	7	0	28
C13 Hypopharynx	0	0	0	0	0	0	0	1	0	0	2	6	6	7	7	3	0	32
C14 Other and ill defined sites	0	0	1	0	0	0	0	2	1	0	0	2	2	7	6	6	0	27
C15 Oesophagus	0	0	0	0	1	1	5	3	11	28	52	94	114	167	154	185	2	817
C16 Stomach	0	0	0	0	0	1	4	1	9	12	21	27	31	30	30	34	1	201
C17 Small intestine	0	0	0	0	0	2	1	2	4	1	4	6	9	6	11	8	0	54
C18 Colon	0	1	2	4	2	4	7	12	24	40	73	75	91	94	79	100	3	611
C 19 Recto sigmoid junction	0	0	0	0	0	0	1	8	3	4	12	20	19	15	21	23	2	128
C 20 Rectum	0	0	1	0	1	2	3	12	21	33	42	58	81	80	72	102	0	508
C 21 Anus and anal canal	0	0	0	0	0	0	2	3	0	4	4	6	7	15	9	12	1	63
C 22 Liver and intrahepatic bile duct	5	1	0	0	0	1	3	4	6	2	19	14	27	40	24	27	0	173

Table 10 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C 23 Gall bladder	0	0	0	0	0	0	0	3	2	2	6	12	10	12	7	9	0	63
C 24 Other and unspecified parts of biliary tract	0	0	0	0	0	0	0	2	3	2	6	5	12	10	9	6	0	55
C 25 Pancreas	0	0	0	0	0	1	2	2	5	6	13	18	21	24	12	8	0	112
C 26 Other and ill defined digestive organs	0	0	0	0	0	0	0	0	1	1	1	0	2	4	2	4	0	15
C 30 Nasal Cavity and middle ear	0	1	0	2	1	4	1	4	8	2	7	3	5	7	10	12	0	67
C 31 Accessory sinus	0	0	0	0	1	0	2	0	1	0	7	11	8	6	8	9	1	54
C 33 Trachea	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0	4
C 34 Bronchus and Lung	1	0	0	0	2	0	5	12	25	38	36	72	75	65	59	63	0	453
C 37 Thymus	0	0	0	0	0	0	0	1	0	1	3	0	3	4	4	1	0	17
C 38 Heart mediastinum and peura	0	0	0	0	0	0	0	0	0	0	0	2	2	0	9	1	0	14
C 39 other and ill defined sites with in respiratory system and intra thorasic organs	0	3	10	3	8	2	0	1	2	0	2	3	2	3	0	2	0	41
C 40 Bone and articular cartilage of limb	3	0	4	5	2	4	1	1	3	2	3	5	2	2	5	3	0	45
C 41 Bone, Joints and articular cartilage of other and unspecified sites	0	0	0	0	0	0	0	1	2	4	2	3	10	4	2	5	0	33
C 43 Melanoma of skin	0	0	0	3	2	2	5	8	12	16	24	26	27	39	38	55	4	261
C 44 Other malignant neoplasm of skin	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	3
C 45 Mesothelioma	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
C 47 Peripheral nervus and autonomic nervous system	3	0	0	1	0	1	0	2	1	0	0	1	0	0	0	0	0	9
C 48 Retro peritoneum and peritoneum	1	0	0	0	0	1	0	0	2	3	1	4	5	8	5	0	0	30
C 49 Connective subcutaneous and	14	4	7	8	3	3	4	5	7	6	12	5	11	7	16	10	0	122

Table 10 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
other connective tissue																		
C 50 Breast	0	0	0	0	4	34	103	232	383	598	569	616	600	543	405	333	27	4447
C 51 Vulva	0	0	0	0	1	0	1	1	4	2	5	4	7	10	5	8	0	48
C 52 Vagina	0	0	0	0	0	0	0	0	2	4	2	5	11	10	6	19	0	59
C 53 Cervix uteri	0	0	0	0	2	3	9	42	61	124	146	170	182	142	119	104	10	1114
C 54 Corpus uteri	0	0	0	0	5	4	1	17	25	43	75	99	117	126	83	50	4	649
C 55 Uterus not specified	0	0	0	0	1	2	3	5	17	30	36	50	54	67	43	31	0	339
C 56 Ovary	0	1	4	18	11	11	25	53	53	97	112	130	150	126	103	58	1	953
C 57 Other unspecified female genital organs	0	0	0	0	1	0	1	1	2	2	8	3	10	3	7	4	0	42
C 58 Placenta	0	0	0	1	2	6	5	1	2	1	0	0	0	1	0	0	0	19
C 64 Kidney	7	4	0	1	0	2	2	3	8	10	5	9	21	19	11	6	0	107
C 65 Renal Pelvis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
C 66 Ureter	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	3
C 67 Bladder	1	0	0	0	1	1	1	2	2	1	13	7	16	16	19	30	1	111
C 68 Other and unspecified urinary organs	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2
C 69 Eye and adenexa	17	4	0	0	0	2	0	1	1	0	1	2	1	1	3	4	0	37
C 70 Meninges	0	0	0	0	0	0	0	3	7	2	2	2	4	3	2	0	0	25
C 71 Brain	8	12	7	3	7	10	12	12	18	17	22	18	20	13	12	4	1	196
C 72 Spinal cord, cranial nerves and other parts of central nervous system	1	0	0	0	0	0	0	0	1	2	3	0	0	0	0	1	0	8
C 73 Thyroid gland	0	2	4	60	121	174	248	294	304	276	227	150	151	90	48	45	8	2202
C 74 Adrenal gland	8	1	0	0	0	2	0	1	0	1	0	0	1	1	0	1	0	16
C 75 Other endocrine glands and related structures	0	0	0	0	0	3	2	2	0	0	1	0	1	1	1	0	0	11

Table 10 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C 76 Other and ill defined sites	0	0	0	0	0	0	0	0	1	2	2	1	4	4	4	5	0	23
C 77 Unspecified malignant neoplasm of lymphnodes	0	0	0	0	1	1	2	0	2	2	4	3	5	6	6	12	2	46
C 80 Unknown primary	4	2	5	1	5	8	17	25	34	52	56	83	97	107	90	129	1	716
C 81 Hodgkins disease	1	3	2	7	8	11	13	7	3	5	5	3	4	5	4	6	0	87
C 82 Follicular non Hodgkins Lymphoma	0	0	0	1	1	1	1	0	2	4	7	2	5	5	2	2	1	34
C 83 Diffuse non Hodgkins lymphoma	0	1	0	0	0	2	4	4	5	3	2	10	7	6	4	7	0	55
C 84 Preripheral and cutaneous T cell lymphoma	0	0	0	0	3	0	1	1	0	2	2	0	2	5	1	1	0	18
C 85 Other and unspecified types of non -Hodgkins lymphoma	2	0	2	5	3	8	10	9	7	17	23	17	31	39	29	30	4	236
C 88 Malignant immunoproliferative disease	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	3
C 90 Multiple myeloma and malignant plasma cell neoplasm	0	0	0	0	0	0	1	1	8	17	18	32	38	36	43	31	0	225
C 91 Lymphoid leukemia	10	9	2	0	2	1	3	5	2	3	2	8	6	3	5	7	0	68
C 92 Myeloid leukemia	3	1	1	4	4	8	13	10	6	10	12	21	21	14	30	21	0	179
C 93 Monocytic leukemia	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	4
C 94 Other leukemia of specified cell type	0	0	0	1	0	1	0	0	0	0	1	0	3	3	1	2	0	12
C 95 Leukemia of unspecified type	22	13	12	3	5	1	1	1	0	0	0	7	5	4	2	1	0	77
C 96 Other and unspecified malignant neoplasms of lymphoid,	1	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	5

Table 10 continued ...

ICD 10 Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
haematopoetic and related tissue																		
D 45 Polycythemia rubra vera	0	0	0	0	0	0	0	0	2	0	2	0	6	3	2	3	0	18
D 46 Myelodisplastic syndromn	0	0	1	0	0	0	1	2	0	0	0	4	7	7	12	11	0	45
D 47 Other neoplasms of uncertain or unknown behaviour	0	0	0	1	0	0	1	1	1	0	2	1	1	3	3	3	0	17
Total	112	64	66	136	216	330	536	845	1151	1578	1775	2024	2261	2191	1836	1796	77	16994

Table 11 : Number of cancers by five-year age group and ICD 10 site categories among males in Sri Lanka 2019

SITE	ALL AGE AGES UNK	Cases by age group (Period) - Male													ICD (10th)									
		0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65		65-70	70-75+	(%)						
Lip	103						1	2	5	5						17	20	15	20	15	20	17	0.7	C00
Tongue	670	3					1	3	26	60	5	60	108	176	222	208	201	189	180	180	180	180	4.6	C01-02
Mouth	1400	7					3	3	70	108	2	108	176	222	208	201	189	180	180	180	180	180	9.6	C03-06
Salivary glands	60	0																					0.4	C07-08
Tonsil	116	1					1	1	6	2	5	6	11	16	23	35	58	77	9	5	5	0.8	C09	
Other oropharynx	165	0																					1.1	C10
Nasopharynx	38	0																					0.3	C11
Hypopharynx	246	0																					1.7	C12-13
Pharynx unspecified	100	0																					0.7	C14
Oesophagus	1100	11					1	5	16	43	121	158	209	209	209	209	128	175	175	175	175	7.6	C15	
Stomach	453	0																					3.1	C16
Small intestine	48	0																					0.3	C17
Colon	581	0																					4.0	C18
Rectum	679	5																					4.7	C19-20
Anus	93	0																					0.6	C21
Liver	375	0																					2.6	C22
Gallbladder etc.	123	0																					0.8	C23-24
Pancreas	112	0																					0.8	C25
Nose, sinuses etc.	99	0																					0.7	C30-31
Larynx	627	3																					4.3	C32
Trachea, bronchus and lung	1264	5																					8.7	C33-34
Other thoracic organs	69	3																					0.5	C37-38
Bone	100	0																					0.7	C40-41
Melanoma of skin	37	0																					0.3	C43
Other skin	300	6																					2.7	C44
Mesothelioma	3	0																					0.0	C45
Kaposi sarcoma	3	0																					0.0	C46
Connective and soft tissue	162	1																					1.1	C47, C49
Breast	113	0																					0.8	C50
Penis	151	1																					1.0	C60
Prostate	1008	3																					6.9	C61
Testis	103	0																					0.7	C62
Other male genital organs	11	0																					0.1	C63
Kidney	296	0																					2.0	C64
Renal pelvis	1	0																					0.0	C65
Ureter	5	0																					0.0	C66
Bladder	543	0																					3.7	C67
Other urinary organs	5	0																					0.0	C68
Eye	40	0																					0.3	C69
Brain, nervous system	272	7																					1.9	C70-72
Thyroid	442	1																					3.0	C73
Adrenal gland	19	0																					0.1	C74
Other endocrine	8	0																					0.1	C75
Hodgkin disease	99	2																					0.7	C81
Non-Hodgkin lymphoma	518	1																					3.6	C82-85, C96
Immunoproliferative diseases	1	0																					0.0	C88
Multiple myeloma	247	0																					1.7	C90
Lymphoid leukaemia	115	0																					0.8	C91
Myeloid leukaemia	233	0																					1.6	C92-94
Leukaemia unspecified	90	0																					0.6	C95
Myeloproliferative disorders	49	0																					0.3	MPD
Myelodysplastic syndromes	56	0																					0.4	MDS
Other and unspecified	1303	4																					9.0	O&U
All sites	14854	58																					100.0	ALL
All sites but C44	14554	52																					100.0	ALL/C44

Table built Thu Sep 16 08:54:34 IST 2021 by CanReg5.

Table 15: Lip, tongue and mouth cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	2173	14.6	19.1	1.94
Female	586	3.4	4.3	0.55

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C00.0 External upper lip	7	3
C00.1 External lower lip	36	9
C00.3 Mucosa of upper lip	1	0
C00.4 Mucosa of lower lip	1	0
C00.6 Commissure of lip	39	9
C00.9 Lip, NOS	10	5
C01.9 Base of tongue, NOS	219	32
C02.0 Dorsal surface of tongue	12	4
C02.1 Border of tongue	225	62
C02.2 Ventral surface of tongue	26	4
C02.3 Anterior 2/3 of tongue,	6	2
C02.9 Tongue, NOS	356	80
C03.0 Upper gum	25	18
C03.1 Lower gum	41	12
C03.9 Gum, NOS	61	28
C04.0 Anterior floor of mouth	12	3
C04.8 Overlapping lesion of the mouth	2	0
C04.9 Floor of mouth, NOS	165	20
C05.0 Hard palate	19	9
C05.1 Soft palate, NOS	118	16
C05.2 Uvula	13	2
C05.8 Overlapping lesion of palate	3	0
C05.9 Palate, NOS	54	13
C06.0 Cheek mucosa	480	194
C06.1 Vestibule of mouth	33	11
C06.2 Retromolar area	82	11
C06.8 Overlapping lesion of other/unspecified parts of mouth	67	15
C06.9 Mouth, NOS	218	63
Total	2173	586

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	92	28
8001 Tumor cells, malignant	1	0
8004 Malignant tumor, spindle cell type	1	1
8010 Carcinoma, NOS	32	4
8011 Epithelioma, malignant	1	0
8032 Spindle cell carcinoma, NOS	4	2
8050 Papillary carcinoma, NOS	1	0
8051 Verrucous carcinoma, NOS	62	14

Table 15 continued ...

ICD O code and histology		Male	Female
8052	Papillary squamous cell carcinoma	1	0
8060	Adenosquamous carcinoma	1	0
8070	Squamous cell carcinoma, NOS	1803	474
8071	Squamous cell carcinoma, keratinizing	93	18
8072	Squamous cell carcinoma, large	4	2
8073	Squamous cell carcinoma, small cell, nonkeratin	0	1
8075	Squamous cell carcinoma, adenoid	1	0
8076	Squamous cell carcinoma, microinvasive	28	7
8083	Basaloid squamous cell carcinoma	23	0
8140	Adenocarcinoma, NOS	4	5
8200	Adenoid cystic carcinoma	8	7
8210	Adenocarcinoma in adenomatous polyp	1	2
8430	Mucoepidermoid carcinoma	10	18
8480	Mucinous adenocarcinoma	0	1
8550	Acinar cell carcinoma	1	0
8720	Malignant melanoma, NOS (except juvenile melanoma)	0	2
8980	Carcinosarcoma NOS	1	0
Total		2173	586

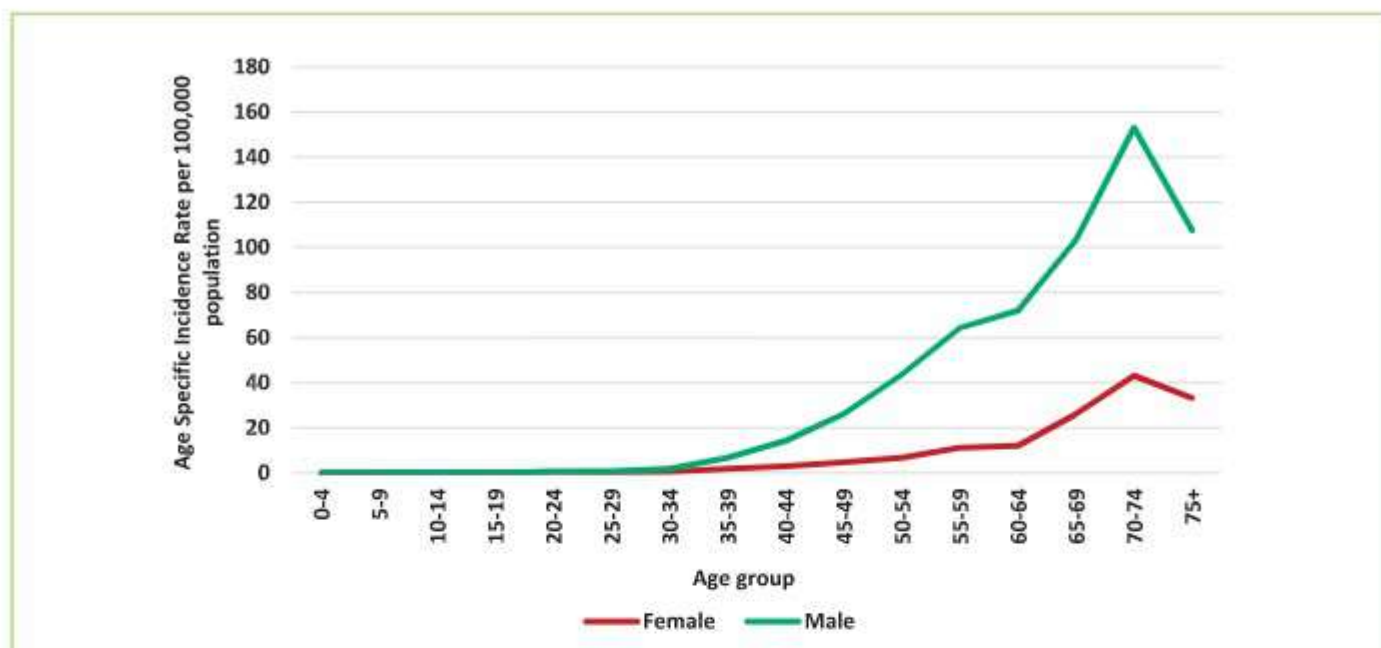


Figure 20: Age specific rates of Lip, tongue and mouth cancers in Sri Lanka, 2019

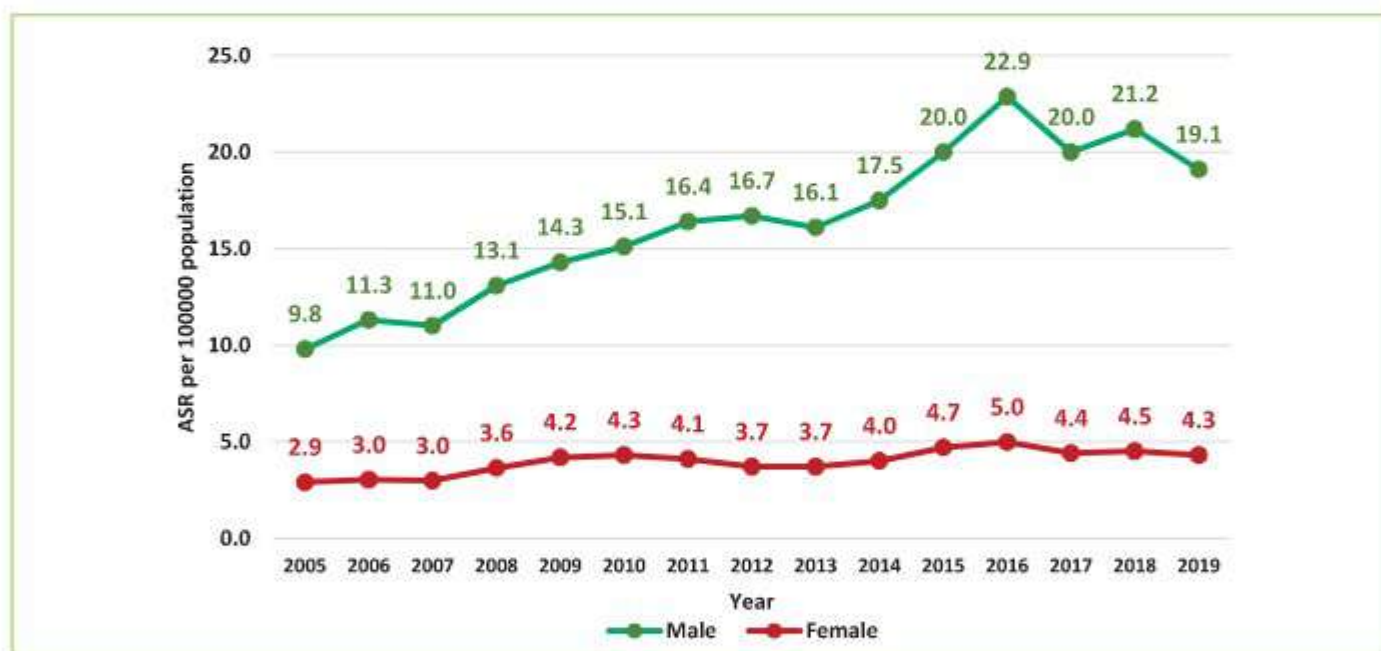


Figure 21: Age standardized incidence rates of Lip, tongue and mouth cancers in Sri Lanka, 2005-2019

Table 16: Pharyngeal cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	665	4.6	5.7	0.73
Female	137	0.9	1.0	0.90

ASR - Age Standardized Incidence Rate per 100,000 world population
 Cum.Rate- Cumulative Rate (0-74 years) per 100 population

ICD 10 code & site	Male	Female
C09.0 Tonsillar fossa	4	2
C09.1 Tonsillar pillar	11	2
C09.9 Tonsil, NOS	101	13
C10.0 Vallecule	99	7
C10.1 Anterior surface of epiglottis	16	6
C10.2 Lateral wall of oropharynx	1	0
C10.3 Posterior wall of oropharynx	6	1
C10.4 Branchial cleft	2	0
C10.9 Oropharynx, NOS	41	10
C11.1 Posterior wall of nasopharynx	2	0
C11.9 Nasopharynx, NOS	34	9
C12.9 Pyriform sinus	184	28
C13.0 Postcricoid region	18	26
C13.1 Aryepiglottic fold	33	2
C13.8 Overl. Lesion on hypopharynx	4	1
C13.9 Laryngopharynx, Hypopharynx NOS	5	1
C14.0 Pharynx, NOS	99	26
C14.8 Overlapping lesion of lip, oral cavity,pharynx	1	1
Total	665	137

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	39	14
8001 Tumor cells, malignant	1	2
8010 Carcinoma, NOS	17	0
8032 Spindle cell carcinoma, NOS	2	1
8070 Squamous cell carcinoma, NOS	551	103
8071 Squamous cell carcinoma, keratanizing	23	5
8072 Squamous cell carcinoma, large	10	3
8073 Squamous cell carcinoma, small cell, nonkeratin	1	0
8076 Squamous cell carcinoma, microinvasive	12	3
8083 Basaloid squamous cell carcinoinvasive	4	0
8140 Adenocarcinoma, NOS	2	1
8200 Adenoid cystic carcinoma	1	0
8430 Mucoepidermoid carcinoma	0	2
8562 Epithelial-myoepithelial carcinoma	0	2
8570 Adenocarcinoma with squamous metaplasia	0	1
8900 Rhabdomyosarcoma, NOS	2	0
Total	665	137

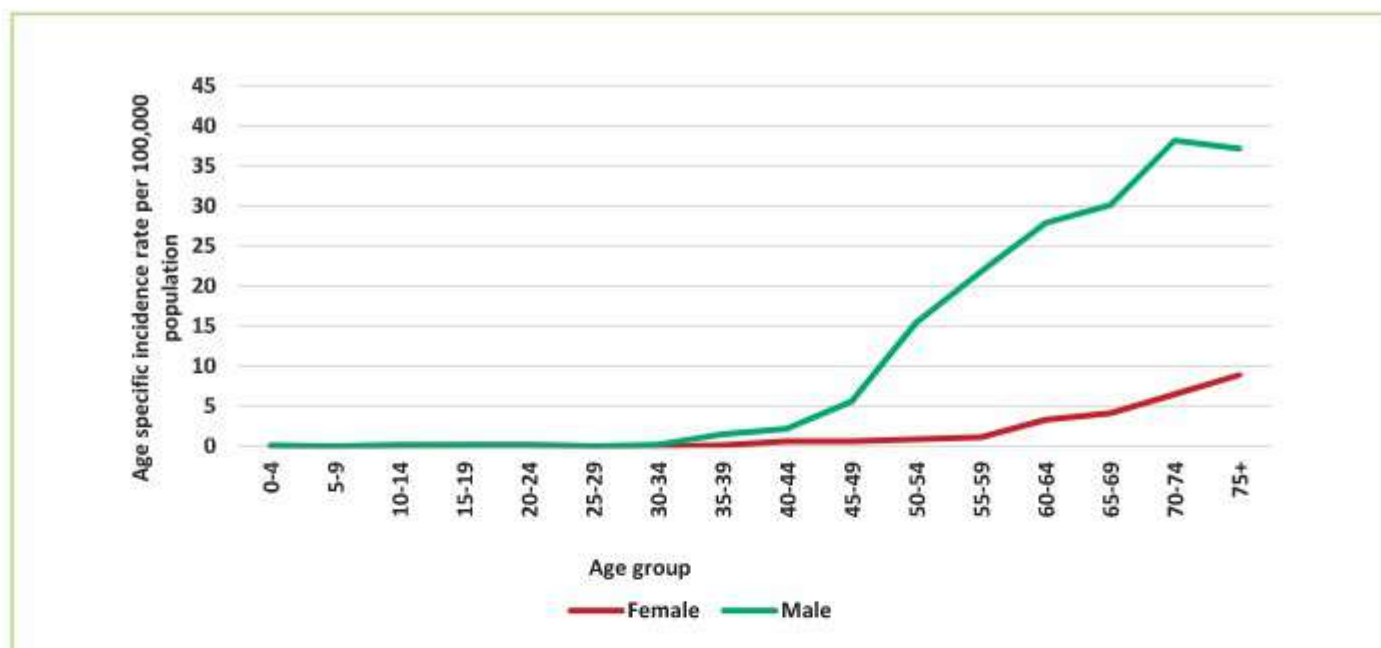


Figure 22: Age specific incidence rates of Pharyngeal cancers in Sri Lanka in year 2019

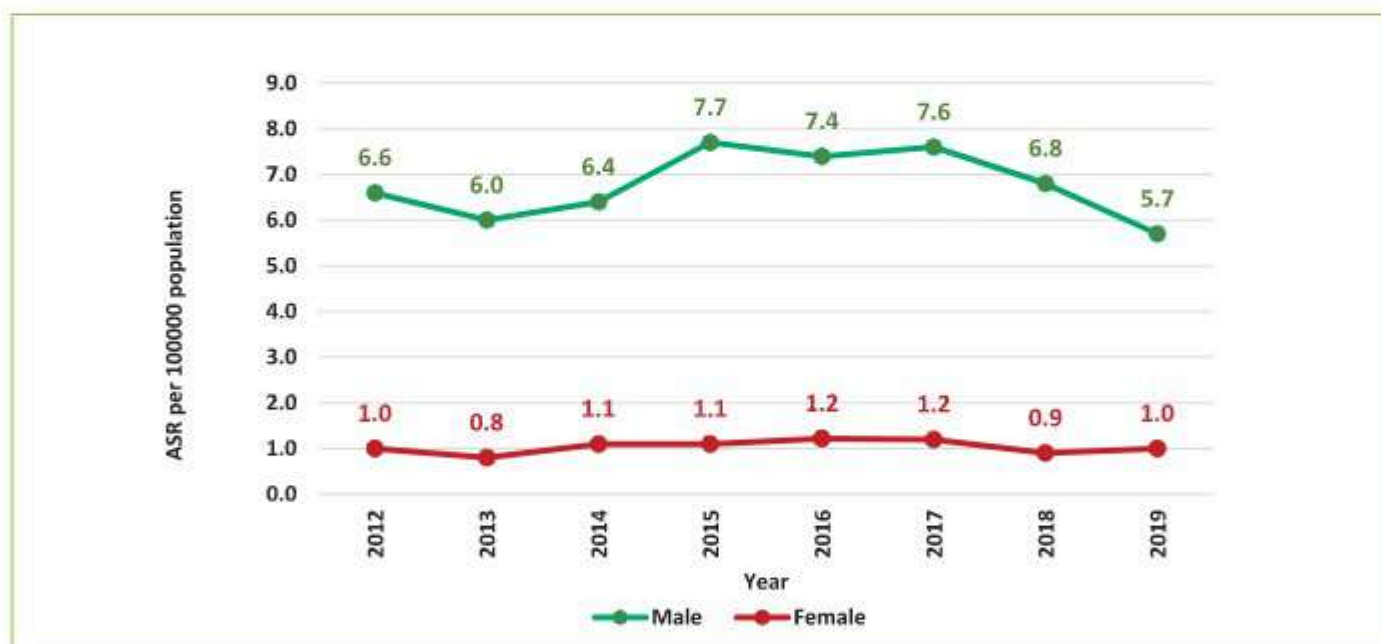


Figure 23: Age standardized incidence rates of Pharyngeal cancers in Sri Lanka, 2012 – 2019

Table 17: Oesophageal cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	1100	7.4	9.7	10.4
Female	817	4.8	5.9	7.3

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate -Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site		Male	Female
C15.0	Cervical oesophagus	13	3
C 15.1	Thoracic part of oesophagus	2	1
C 15.2	Abdominal part of Oesophagus	6	4
C15.3	Upper third of oesophagus	16	11
C15.4	Middle third of oesophagus	85	73
C15.5	Lower third of oesophagus	278	233
C15.8	Overlapping lesion of oesophagus	10	16
C15.9	Oesophagus, NOS	690	476
Total		1100	817

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	100	79
8001	Tumor cells, malignant	0	4
8002	Malignant tumor, small cell type	1	0
8010	Carcinoma, NOS	50	29
8032	Spindle cell carcinoma, NOS	1	0
8041	Small cell carcinoma, NOS	2	1
8070	Squamous cell carcinoma, NOS	690	619
8071	Squamous cell carcinoma, keratinizing, NOS	11	13
8072	Squamous cell carcinoma, large cell, non keratinizing	0	1
8073	Squamous cell carcinoma, small cell, non keratinizing	0	2
8074	Squamous cell carcinoma, spindle cell	1	2
8075	Squamous cell carcinoma, adenoid	1	0
8076	Squamous cell carcinoma, microinvasive	15	8
8083	Basaloid squamous cell carcinoma	3	1
8140	Adenocarcinoma, NOS	205	51
8147	Basal cell adenocarcinoma	1	0
8246	Neuroendocrine carcinoma, NOS	2	0
8260	Papillary adenocarcinoma, NOS	1	0
8480	Mucinous adenocarcinoma	7	0
8490	Signet ring cell carcinoma	7	3
8560	Adenosquamous carcinoma	2	2
8936	Gastrointestinal stromal sarcoma	0	2
Total		1100	817

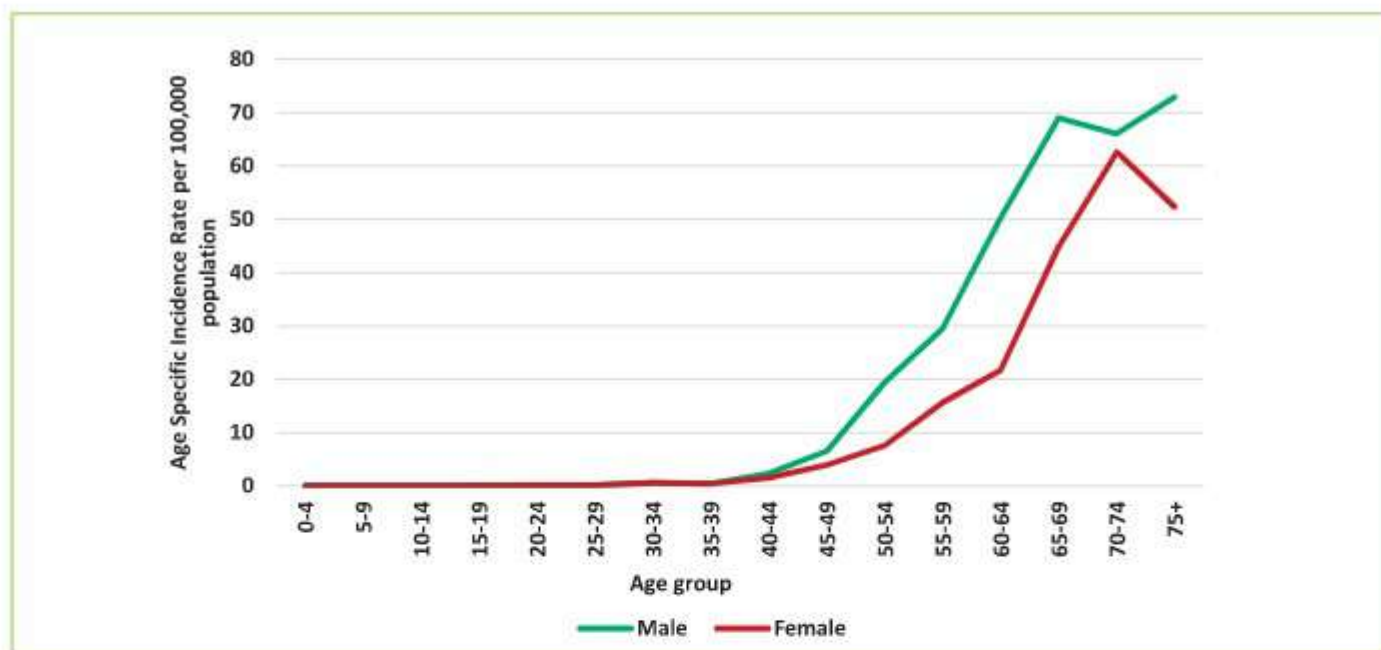


Figure 24: Age specific incidence rates of Oesophageal cancers in Sri Lanka in year 2019



Figure 25: Age standardized incidence rates of Oesophageal cancers in Sri Lanka, 2005-2019

Table 18: Stomach cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	453	4.3	4	0.53
Female	201	1.5	1.5	0.19

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate -Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C16.0 Cardia, NOS	133	64
C16.1 Fundus of stomach	10	9
C16.2 Body of stomach	17	8
C16.3 Gastric antrum	20	6
C16.4 Pylorus	53	17
C16.5 Lesser curvature of stomach	12	2
C16.6 Greater curvature of stomach	3	3
C16.8 Overl. lesion of stomach	14	2
C16.9 Stomach, NOS	191	90
Total	453	201

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	58	30
8010 Malignant tumor, spindle cell	25	16
8070 Squamous cell carcinoma, NOS	31	35
8071 Squamous cell carcinoma, keratanizing	1	0
8140 Adenocarcinoma, NOS	252	70
8144 Adenocarcinoma, intestinal type	24	11
8211 Tubular adenocarcinoma	4	0
8240 Carcinoid tumor, NOS	1	0
8246 Neuroendocrine carcinoma, NOS	1	1
8323 Mixed cell adenocarcinoma	1	0
8440 Mucinous adenocarcinoma	0	1
8480 Mucinous adenocarcinoma	7	5
8490 Signet ring cell carcinoma	36	12
8560 Adenosquamous carcinoma	2	1
8850 Liposarcoma, NOS	2	0
8936 Gastrointestinal stromal sarcoma	8	18
Total	453	201

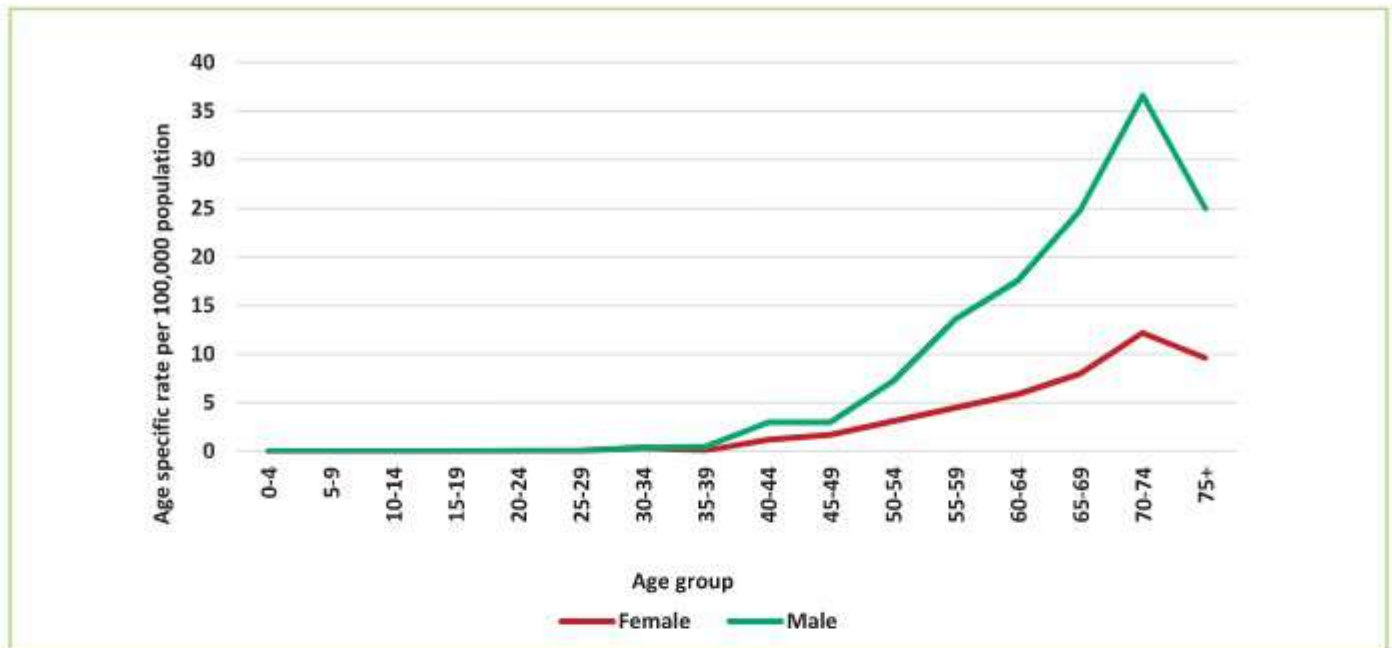


Figure 26: Age specific incidence rates of Stomach cancers in Sri Lanka in year 2019

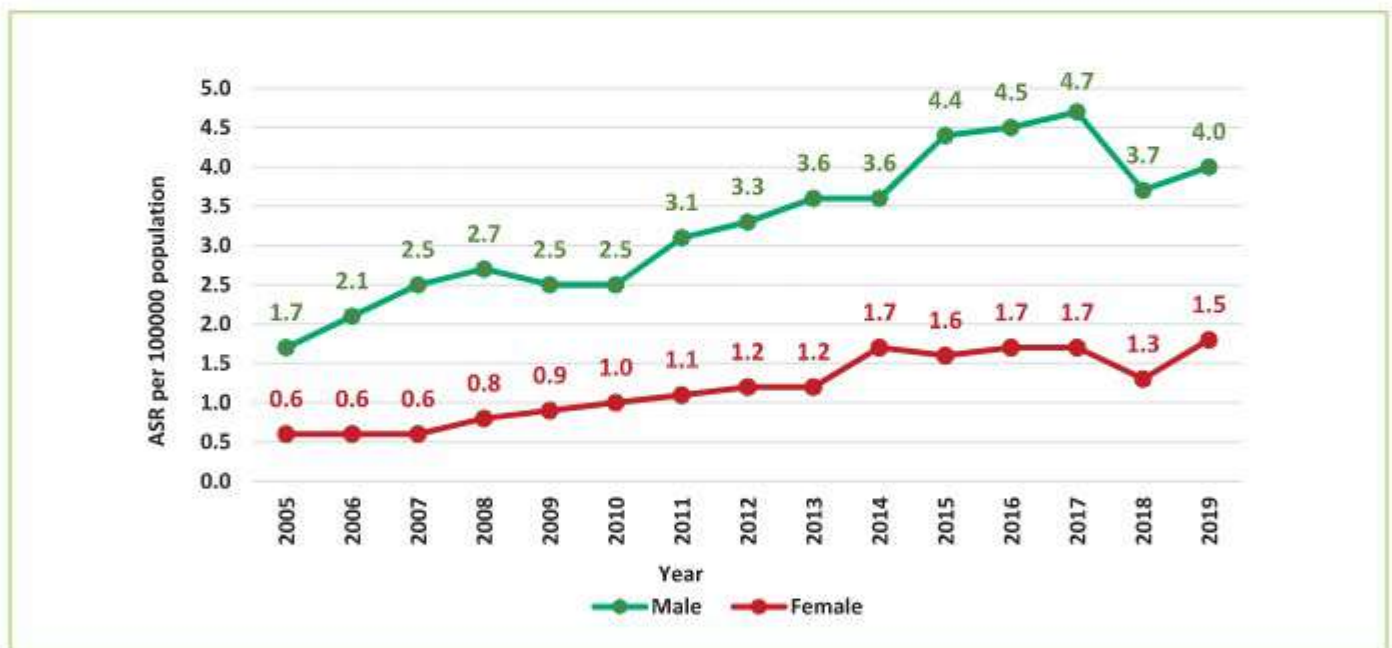


Figure 27: Age standardized incidence rates of stomach cancers in Sri Lanka, 2005-2019

Table 19: Colon and rectal cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum.Rate
Male	1260	8.7	11.2	1.42
Female	1247	7.5	9.1	1.13

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code & site		Male	Female
C18.0	Cecum	41	45
C18.1	Appendix	14	27
C18.2	Ascending colon	47	48
C18.3	Hepatic flexure of colon	14	14
C18.4	Transverse colon	32	33
C18.5	Splenic flexure of colon	6	5
C18.6	Descending colon	21	22
C18.7	Sigmoid colon	196	201
C18.8	Overl. lesion of colon	9	6
C18.9	Colon, NOS	201	210
C19.9	Rectosigmoid junction	110	128
C20.9	Rectum, NOS	569	508
Total		1260	1247

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	143	136
8001	Tumor cells, malignant	3	0
8004	Malignant tumor, small cell type	0	2
8010	Carcinoma, NOS	34	25
8013	Large cell neuroendocrine carcinoma	0	1
8070	Squamous cell carcinoma, NOS	55	22
8071	Squamous cell carcinoma, keratanizing	3	0
8072	Squamous cell carcinoma, large cell, non keratanizing	1	0
8076	Squamous cell carcinoma, microinvasive	1	0
8083	Basaloid squamous cell carcinoma	2	0
8120	Transitional cell carcinoma, NOS	1	0
8140	Adenocarcinoma, NOS	890	888
8144	Adenocarcinoma, intestinal type	58	57
8211	Tubular adenocarcinoma	0	1
8240	Carcinoid tumor, NOS	1	5
8246	Neuroendocrine carcinoma, NOS	8	19
8260	Papillary adenocarcinoma, NOS	0	2
8261	Adenocarcinoma in villous adenoma	2	1
8262	Villous adenocarcinoma	0	2
8263	Adenocarcinoma in tubulovillous adenoma	7	8
8310	Clear cell adenocarcinoma, NOS	0	1
8480	Mucinous adenocarcinoma	36	64
8490	Signet ring cell carcinoma	14	11
8935	Stromal sarcoma, NOS	1	2
Total		1260	1247

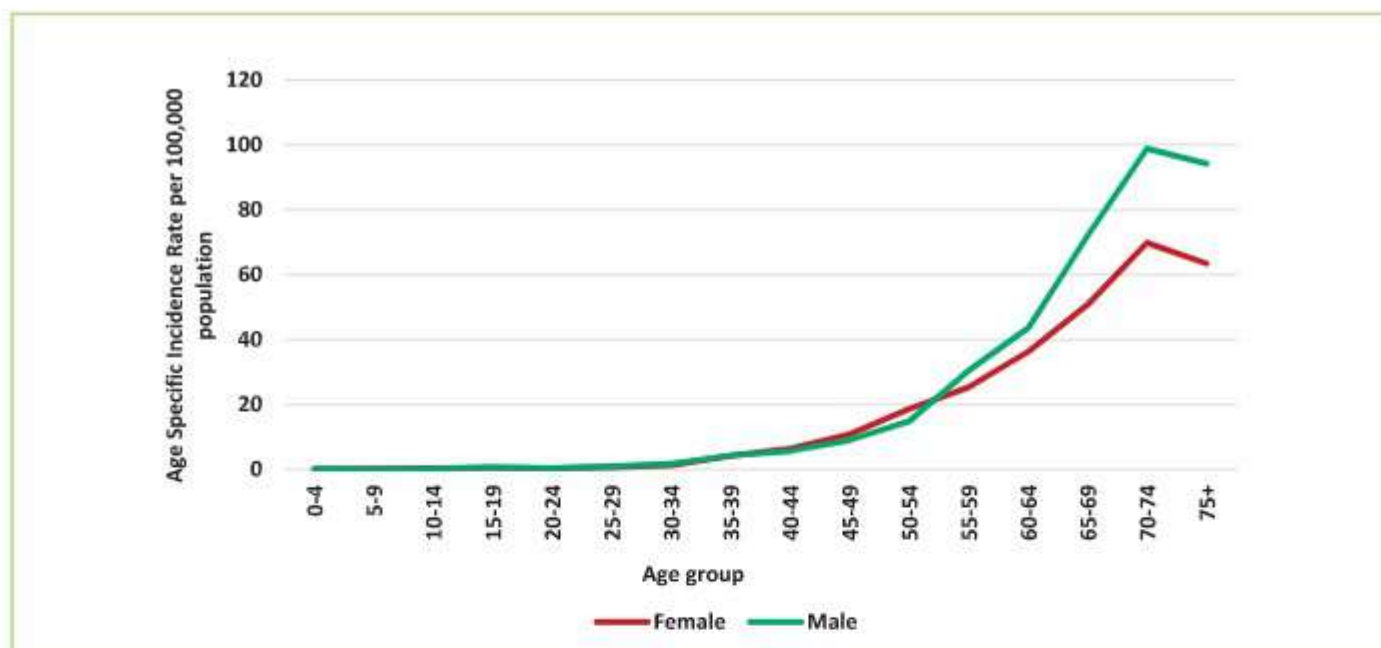


Figure 28: Age specific incidence rates of Colonic & Rectal cancers in Sri Lanka in year 2019

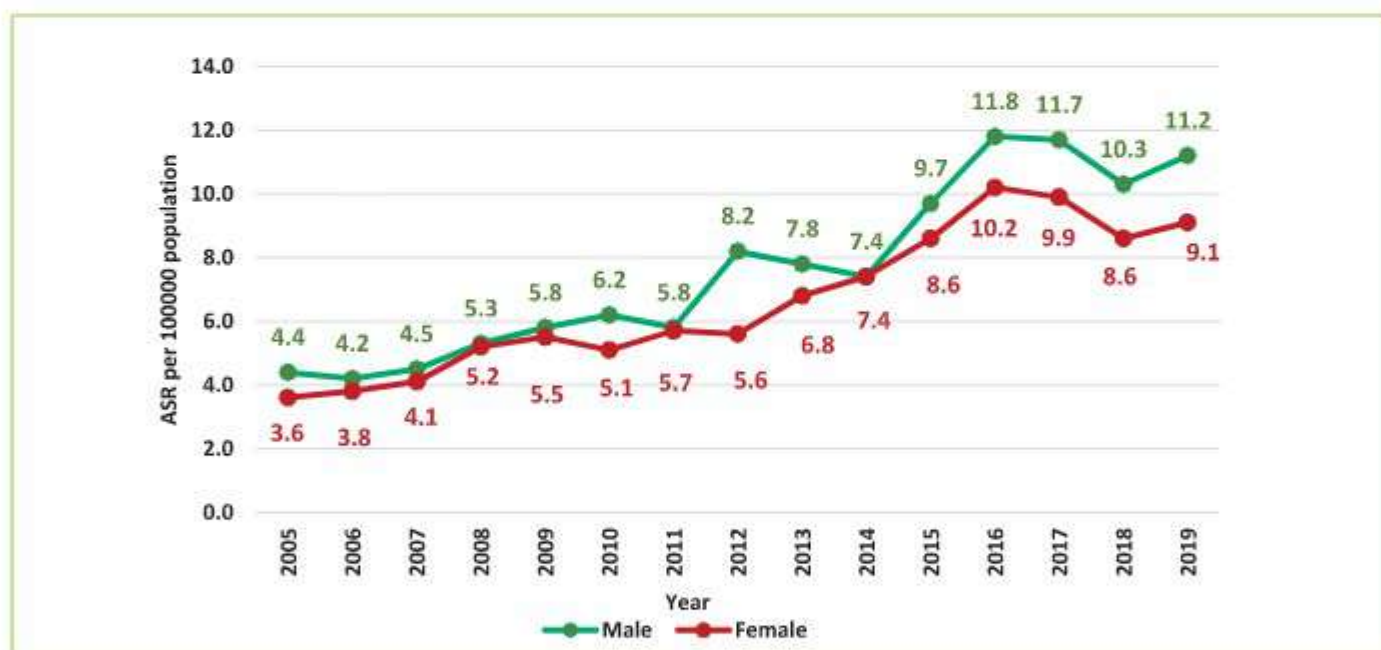


Figure 29: Age standardized incidence rates of Colonic & Rectal cancers in Sri Lanka, 2005-2019

Table 20: Laryngeal cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	627	4.3	5.6	0.74
Female	54	0.3	0.4	0.05

ASR -Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C32.0 Glottis	378	24
C32.1 Supraglottis	152	19
C32.2 Subglottis	12	1
C32.3 Laryngeal cartilage	8	1
C32.8 Overl. lesion of larynx	1	0
C32.9 Larynx, NOS	77	9
Total	627	54

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	40	4
8010 Carcinoma, NOS	12	1
8032 Spindle cell carcinoma, NOS	1	0
8070 Squamous cell carcinoma, NOS	526	46
8071 Squamous cell carcinoma, kerataniazing	22	0
8074 Squamous cell carcinoma, spind	1	0
8076 Squamous cell carcinoma, microinvasive	17	1
8083 Basaloid squamous cell carcinoma	3	0
8140 Adenocarcinoma, NOS	1	2
8200 Adenoid cystic carcinoma	1	0
8560 Adenosquamous carcinoma	1	0
8800 Sarcoma, NOS	1	0
8801 Spindle cell sarcoma	1	0
Total	627	54

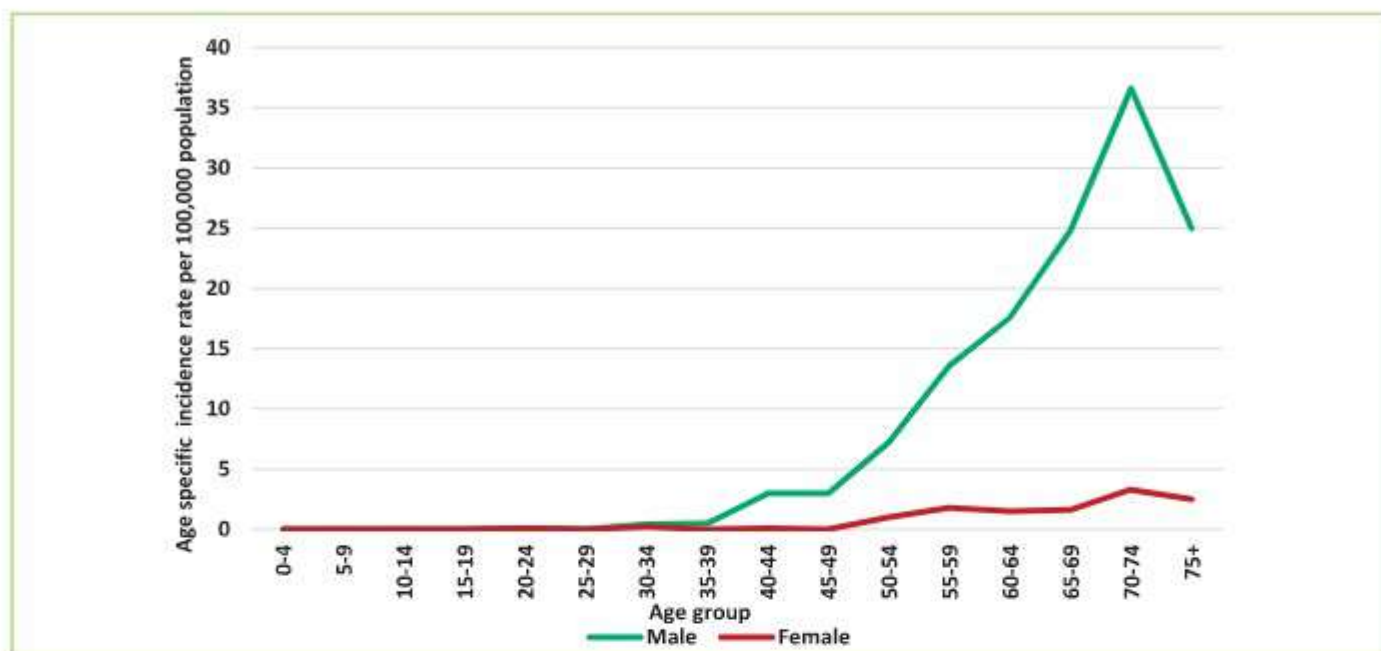


Figure 30: Age specific incidence rates of Laryngeal cancers in Sri Lanka in year 2019



Figure 31: Age standardized incidence rates of Laryngeal cancers in Sri Lanka, 2005-2019

Table 21 : Trachea, bronchus and lung cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum.Rate
Male	1264	8.7	11.4	1.59
Female	457	2.7	3.4	0.42

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C33.9 Trachea	9	4
C34.0 Main bronchus	40	12
C34.1 Upper lobe, lung	210	61
C34.2 Middle lobe, lung	27	14
C34.3 Lower lobe, lung	90	38
C34.8 Overl. lesion of lung	24	6
C34.9 Lung, NOS	864	322
Total	1264	457

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	300	99
8001 Tumor cells, malignant	6	0
8010 Carcinoma, NOS	81	27
8041 Small cell carcinoma, NOS	65	12
8043 Small cell carcinoma, fusiform cell	0	1
8044 Small cell carcinoma, intermediate cell	1	0
8046 Non-small cell carcinoma	225	85
8050 Papillary carcinoma, NOS	0	2
8070 Squamous cell carcinoma, NOS	191	31
8071 Squamous cell carcinoma, keratinizing, NOS	5	1
8072 Squamous cell carcinoma, large cell, nonkeratinizing	7	0
8073 Squamous cell carcinoma, small cell, nonkeratinizing	2	1
8076 Squamous cell carcinoma, microinvasive	1	1
8083 Basaloid squamous cell carcinoma	2	0
8123 Basaloid carcinoma	1	0
8140 Adenocarcinoma, NOS	302	154
8200 Adenoid cystic carcinoma	5	2
8240 Neuroendocrine carcinoma, NOS	8	9
8246 Non-small cell carcinoma	10	0
8249 A typical carcinoid tumor	3	2
8250 Bronchiolo-alveolar adenocarcinoma, NOS	3	2
8251 Alveolar adenocarcinoma	1	0
8252 Bronchiolo-alveolar carcinoma, non mucinous	3	2
8260 Papillary adenocarcinoma, NOS	4	1
8430 Mucoepidermoid carcinoma	0	3
8480 Mucinous adenocarcinoma	14	15
8500 Undifferentiated sarcoma	2	0
8550 Acinar cell carcinoma	15	2
8551 Acinar cell cystadenocarcinoma	1	0
8560 Adenosquamous carcinoma	1	0
8800 Sarcoma, NOS	0	2

Table 21 continues ...

ICD O code and histology		Male	Female
8805	Undifferentiated sarcoma	0	2
8806	Desmoplastic small round cell tumor	1	0
8920	Alveolar rhabdomyosarcoma	1	0
8920	Alveolar rhabdomyosarcoma	1	0
8973	Pleuropulmonary blastoma	0	1
8980	Carcinosarcoma, NOS	1	0
9120	Hemangiosarcoma	1	0
Total		1264	457

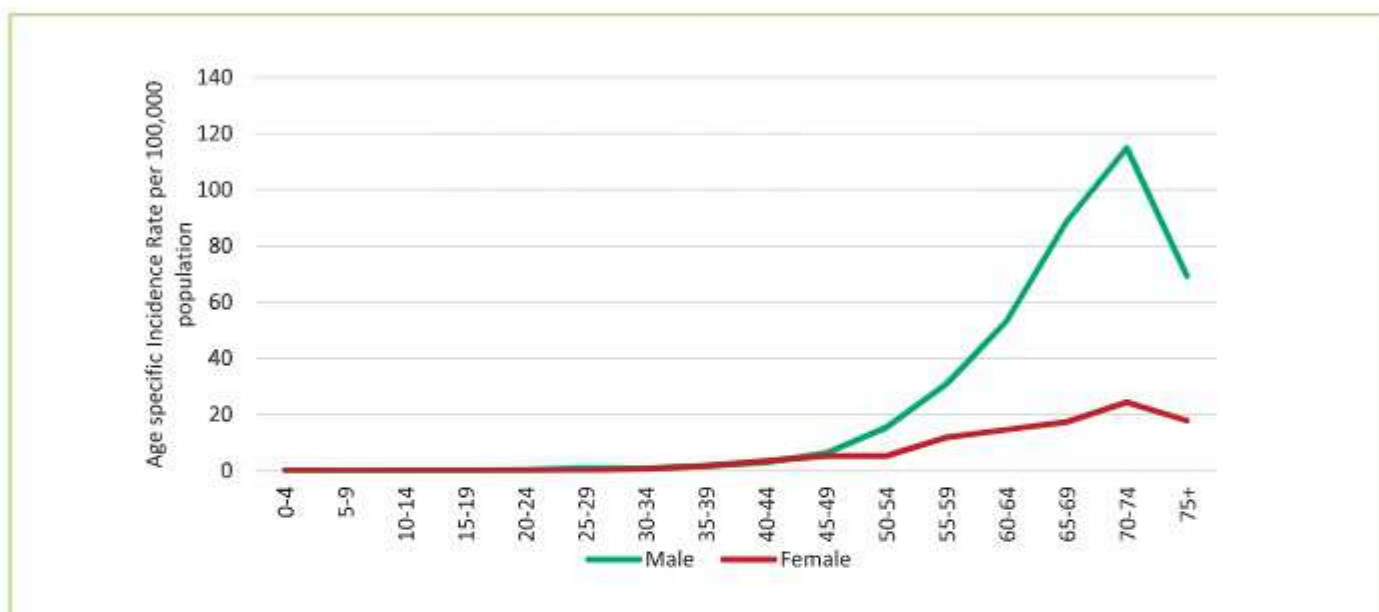


Figure 32: Age specific incidence rates of Tracheal, bronchial and lung cancers in Sri Lanka in year 2019

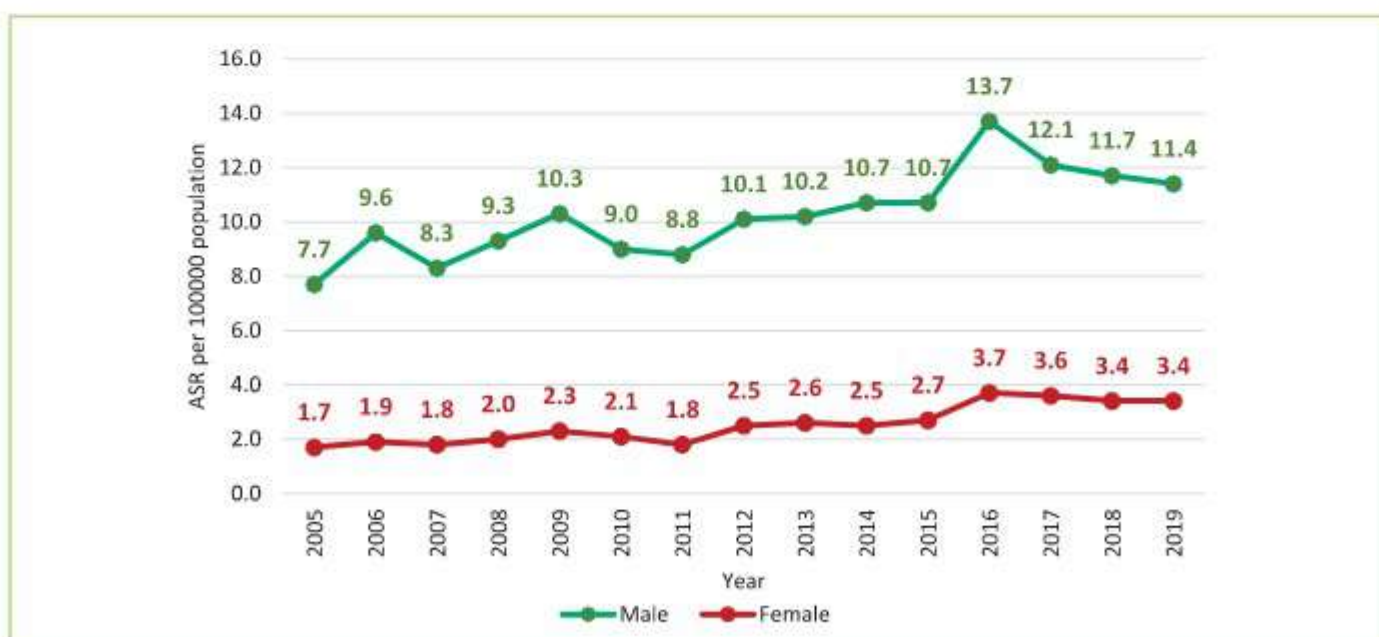


Figure 33 : Age standardized incidence rates of Tracheal, bronchial and lung cancers in Sri Lanka, 2005-2019

Table 22: Skin cancer incidence data in Sri Lanka, 2015

Group	Number	%	ASR	Cum. Rate
Male	337	2.4	3	0.34
Female	294	1.8	2.1	0.26

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C43.0 Malignant melanoma of lip	0	2
C43.3 Malignant melanoma of other and unspecified parts of face	1	0
C43.4 Malignant melanoma of scalp and neck	0	4
C43.5 Malignant melanoma of trunk	2	3
C43.6 Malignant melanoma of upper limb	1	4
C43.7 Malignant melanoma of other and unspecified parts of face	26	16
C43.9 Malignant melanoma of skin unspecified	7	4
C44.0 Skin of lip, NOS	1	2
C44.1 Eyelid	8	7
C44.2 External ear	12	12
C44.3 Skin, other & unspecified part	25	33
C44.4 Skin of scalp and neck	43	55
C44.5 Skin of trunk	44	45
C44.6 Skin of upper limb and shoulder	16	23
C44.7 Skin of lower limb and hip	115	44
C44.8 Overl. lesion of skin	1	1
C44.9 Skin, NOS	35	39
Total	337	294

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	9	13
8004 Malignant tumor, spindle cell type	2	0
8010 Carcinoma, NOS	7	10
8032 Spindle cell carcinoma, NOS	3	6
8051 Verrucous carcinoma, NOS	1	6
8070 Squamous cell carcinoma, NOS	182	95
8071 Squamous cell carcinoma, keratinizing, NOS	8	4
8072 Squamous cell carcinoma, large cell, nonkeratin	1	0
8074 Squamous cell carcinoma, spindle cell	1	1
8076 Squamous cell carcinoma, microinvasive	1	2
8083 Basaloid squamous cell carcinoma	2	3
8090 Basal cell carcinoma, NOS	48	66
8092 Infiltrating basal cell carcinoma, NOS	2	3
8094 Basosquamous carcinoma	3	3
8097 Basal cell carcinoma, nodular	9	12
8123 Basaloid carcinoma	0	1
8140 Adenocarcinoma, NOS	10	11
8200 Adenoid cystic carcinoma	0	1
8247 Merkel cell carcinoma	0	2
8390 Skin appendage carcinoma	1	2

Table 22 continued ...

ICD O code and histology		Male	Female
8401	Apocrine adenocarcinoma	0	2
8410	Sebaceous adenocarcinoma	2	4
8420	Ceruminous adenocarcinoma	0	1
8430	Mucoepidermoid carcinoma	2	4
8480	Mucinous adenocarcinoma	1	1
8490	Signet ring cell carcinoma	1	0
8720	Malignant melanoma, NOS (except juvenile melanoma M-8770/0)	32	27
8721	Nodular melanoma	1	0
8723	Malignant melanoma, regressing	1	0
8744	Acral lentiginous melanoma, malignant	3	4
8772	Spindle cell melanoma, NOS	1	2
8832	Dermatofibrosarcoma, NOS	3	7
8833	Pigmented dermatofibrosarcoma protuberans	0	1
Total		337	294

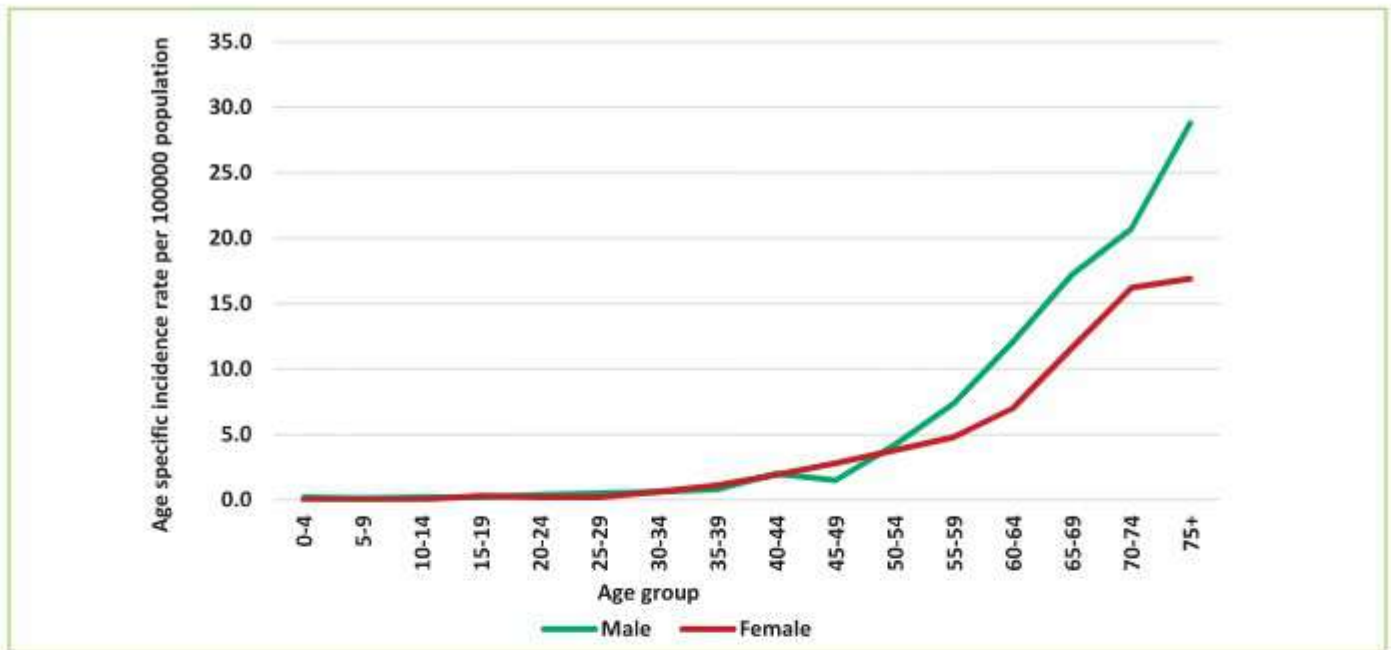


Figure 34 : Age specific incidence rates of Skin cancers in Sri Lanka in year 2019

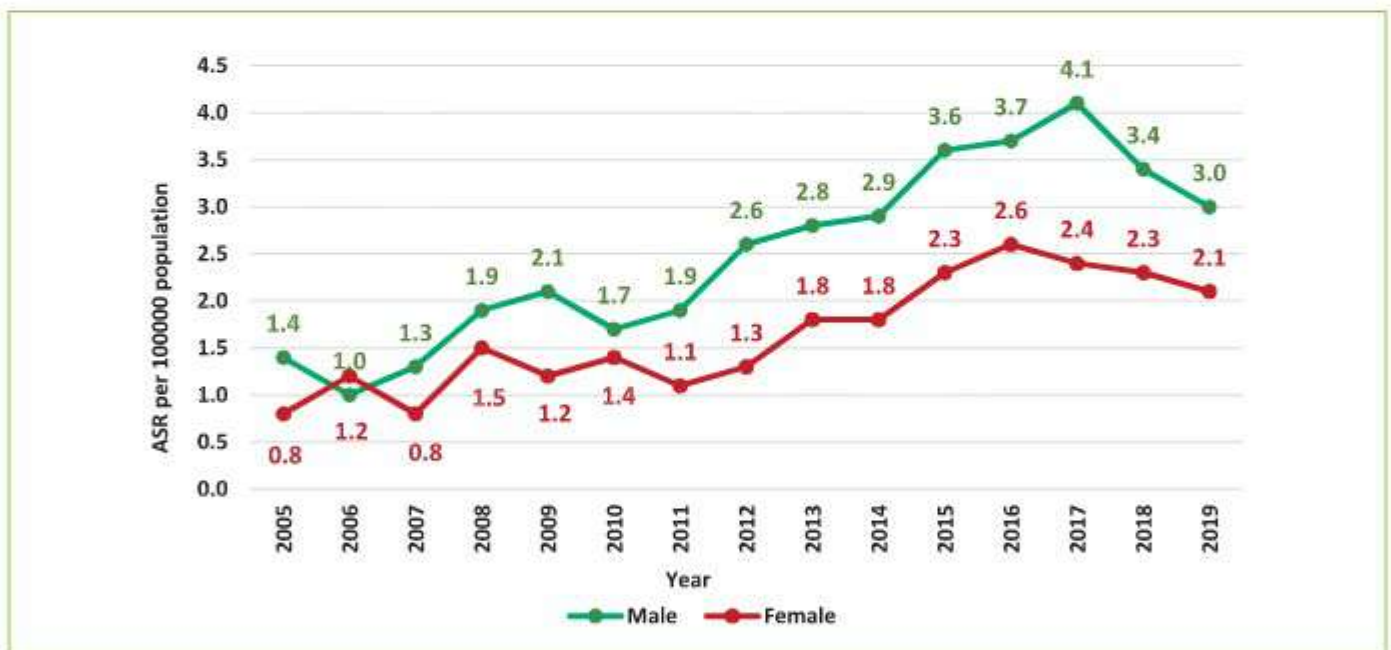


Figure 35 : Age standardized incidence rates of Skin cancers in Sri Lanka, 2005 – 2019

Table 23 : Breast cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum.Rate
Male	113	0.8	1.0	0.11
Female	4447	26.6	33.5	3.98

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site		Male	Female
C50.0	Nipple	1	11
C50.1	Central portion of breast	1	32
C50.2	Upper-inner quadrant of breast	0	36
C50.3	Lower-inner quadrant of breast	1	29
C50.4	Upper-outer quadrant of breast	3	183
C50.5	Lower-outer quadrant of breast	1	49
C50.6	Axillary tail of breast	1	14
C50.8	Overl. lesion of breast	5	138
C50.9	Breast, NOS	100	3955
Total		113	4447

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	9	623
8001	Tumor cells, malignant	0	11
8010	Carcinoma, NOS	32	936
8032	Spindle cell carcinoma, NOS	0	4
8050	Papillary carcinoma, NOS	0	37
8070	Squamous cell carcinoma, NOS	3	19
8072	Squamous cell carcinoma, large cell	0	1
8140	Adenocarcinoma, NOS	3	69
8201	Cribriform carcinoma, NOS	0	9
8211	Tubular adenocarcinoma	1	5
8260	Papillary adenocarcinoma, NOS	0	19
8310	Clear cell adenocarcinoma, NOS	0	1
8401	Apocrine adenocarcinoma	0	5
8480	Mucinous adenocarcinoma	2	67
8500	Infiltrating duct carcinoma, NOS	56	2275
8503	Intraductal papillary adenocarcinoma	0	73
8504	Intracystic carcinoma, NOS	1	2
8510	Medullary carcinoma, NOS	1	24
8520	Lobular carcinoma, NOS	2	141
8521	Infiltrating ductular carcinoma	1	58
8522	Infiltrating duct and lobular	0	12
8523	Infiltrating duct mixed with other types of carcinomas	0	6
8524	Infiltrating lobular mixed with other types of carcinomas	0	1
8530	Inflammatory carcinoma	0	1
8540	Paget disease mammary	0	7
8541	Paget disease and infiltrating duct carcinoma	0	5

Table 23 continued ...

ICD O code and histology		Male	Female
8550	Acinar cell carcinoma	1	1
8562	Epithelial-myoeithelial carcinoma	0	1
8573	Adenocarcinoma with apocrine metaplasia	0	2
8575	Metaplastic carcinoma, NOS	0	9
8800	Sarcoma, NOS	0	1
8801	Spindle cell sarcoma	0	1
8850	Angiomyosarcoma	0	1
8900	Rhabdomyosarcoma, NOS	0	1
8940	Mixed tumor, malignant, NOS	0	1
8980	Carcinosarcoma, NOS	0	2
9020	Phyllodes tumor, malignant	1	14
9120	Hemangiosarcoma	0	1
Total		113	4447

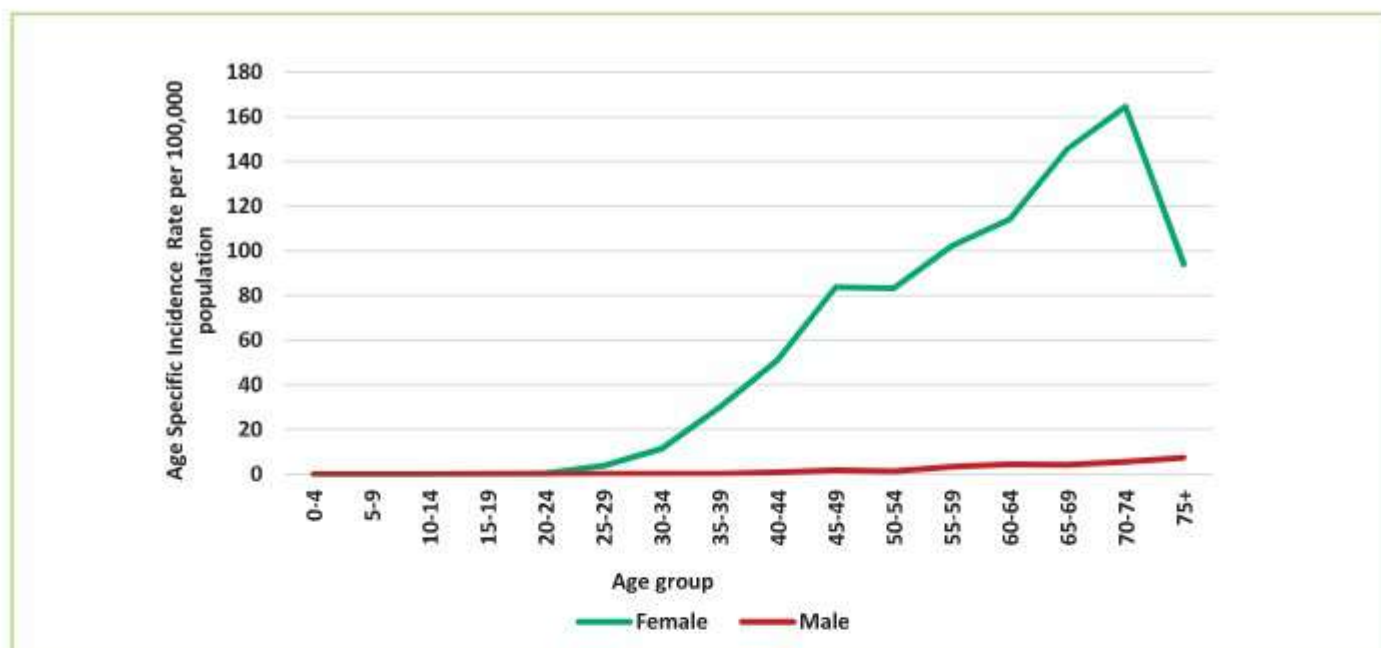


Figure 36: Age specific incidence rates of Breast cancers in Sri Lanka in year 2019

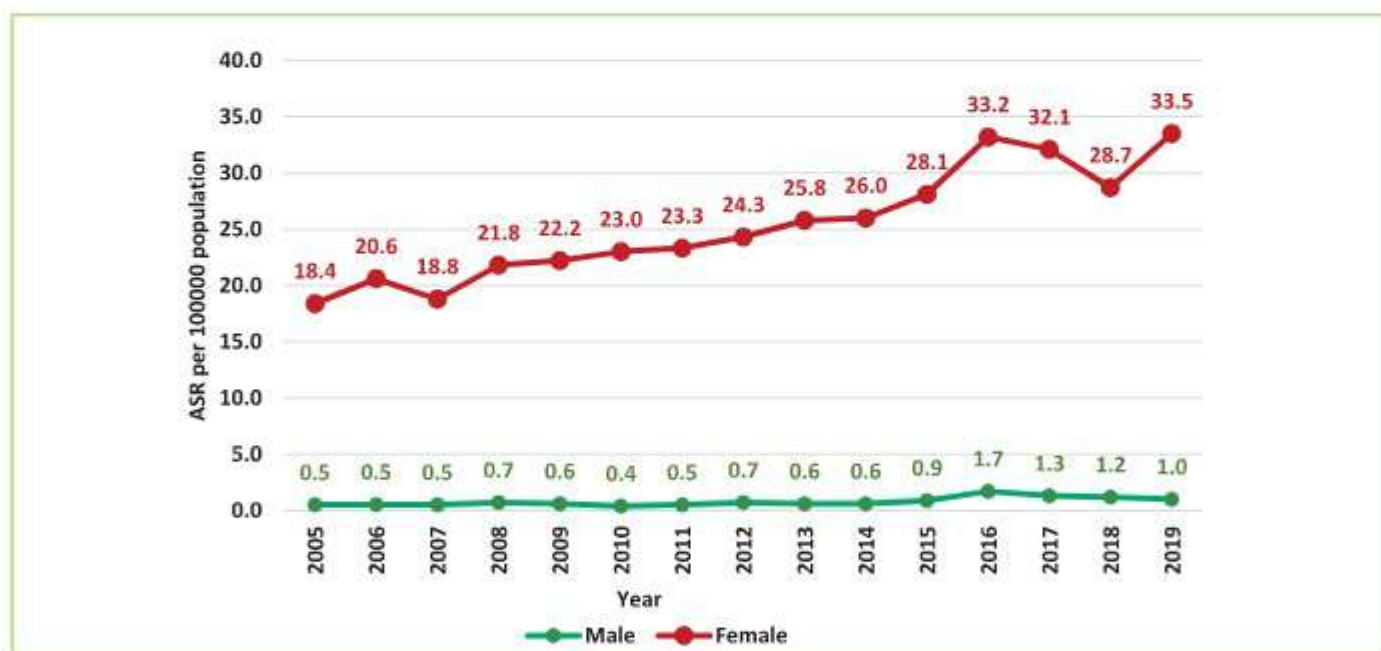


Figure 37 :Age standardized incidence rates of Breast cancers in Sri Lanka, 2005-2019

Table 24: Cervix Uteri cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Female	1114	6.7	8.3	1.03

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and side	No.
C53.0 Endocervix	42
C53.1 Exocervix	23
C53.8 Overl. lesion of cervix	39
C53.9 Cervix uteri	1010
Total	1114

ICD 10 code and Histology	No.
8000 Neoplasm, malignant	129
8010 Carcinoma, NOS	39
8022 Pleomorphic carcinoma	1
8032 Spindle cell carcinoma, NOS	2
8052 Papillary squamous cell carcinoma	4
8070 Squamous cell carcinoma, NOS	485
8071 Squamous cell carcinoma, keratanizing	128
8072 Squamous cell carcinoma, large cell	187
8073 Squamous cell carcinoma, small cell, nonkeratin	7
8076 Squamous cell carcinoma, microinvasive	28
8082 Lymphoepithelial carcinoma	1
8083 Basaloid squamous cell carcinoma	8
8098 Adenocarcinoma, NOS	1
8140 Neuroendocrine carcinoma, NOS	56
8246 Papillary adenocarcinoma, NOS	1
8260 Clear cell adenocarcinoma, NOS	8
8262 Villous adenocarcinoma	1
8380 Endometrioid adenocarcinoma, NOS	13
8384 Adenocarcinoma, endocervical type	1
8430 Clear cell adenocarcinoma, NOS	1
8470 Mucinous cystadenocarcinoma, NOS	1
8480 Mucinous adenocarcinoma	2
8560 Adenosquamous carcinoma	6
8980 Carcinosarcoma, NOS	4
Total	1114

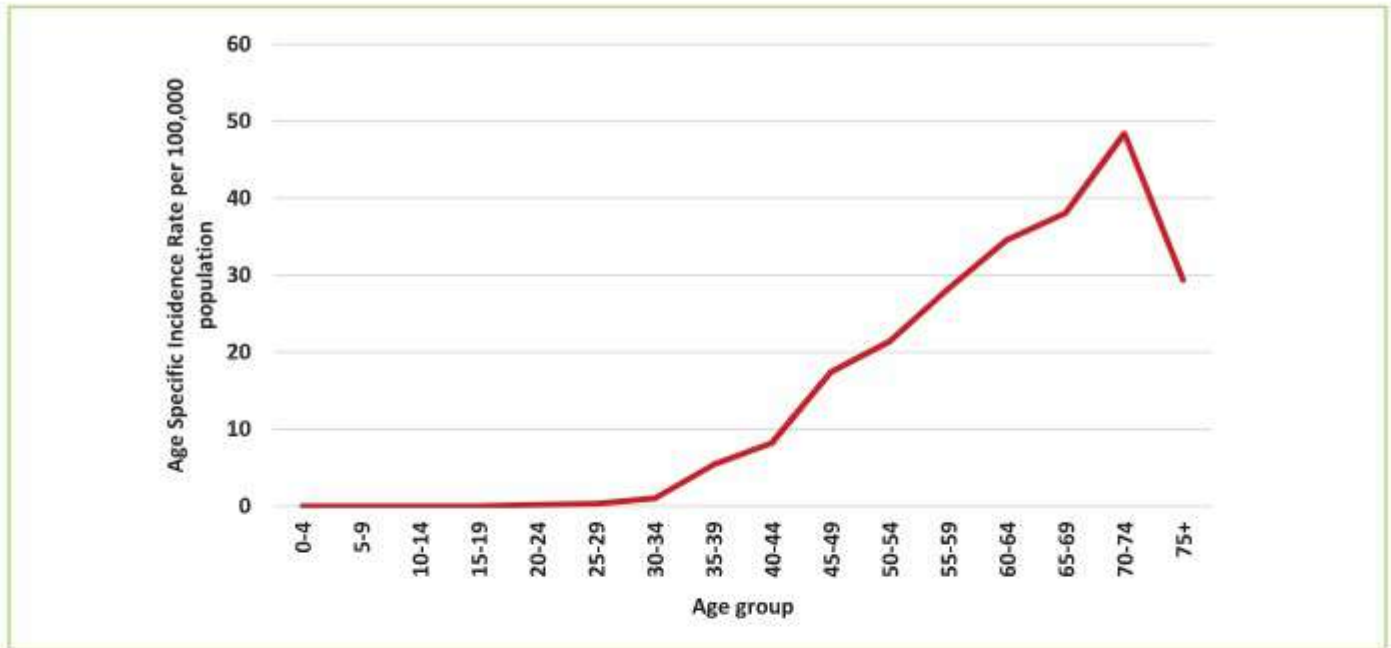


Figure 38 : Age specific incidence rates of Cervical cancers in Sri Lanka in year 2019

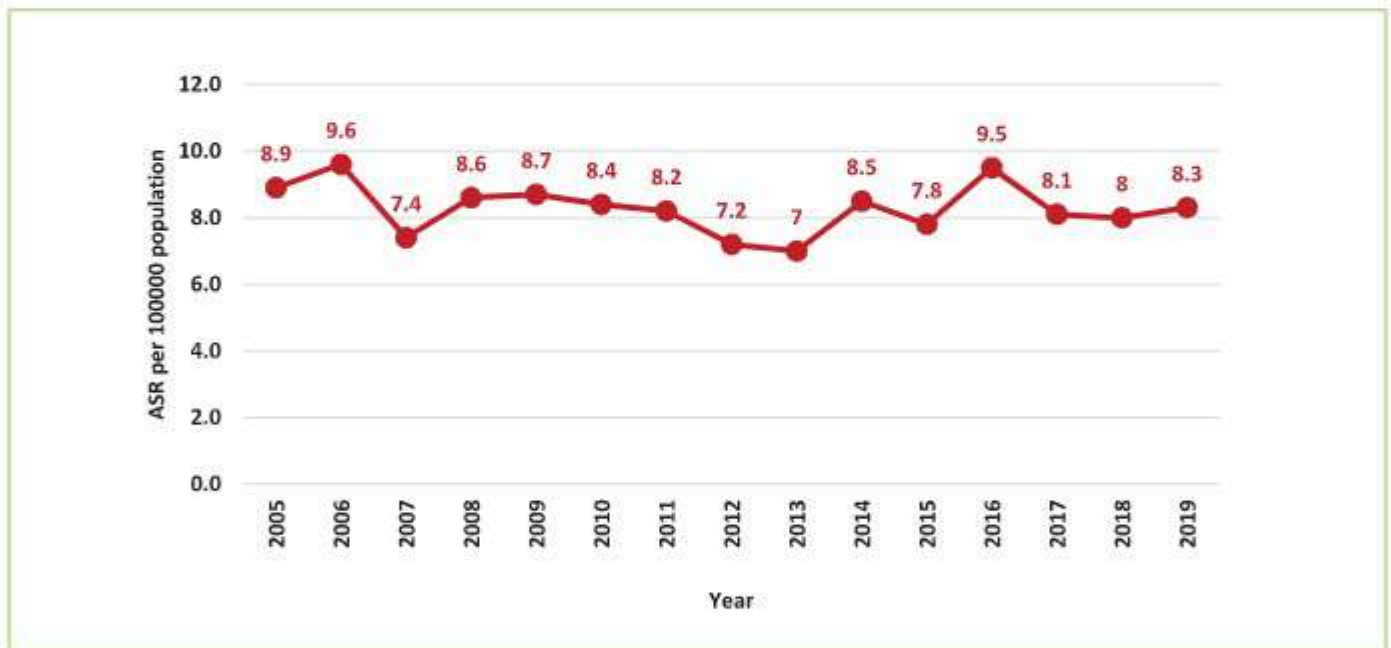


Figure 39: Age standardized incidence rates of cervical cancers in Sri Lanka, 2005-2019

Table 25: Uterine cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Female	988	5.9	7.4	0.99

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ASR - Age Standardized Incidence Rate per 100,000 world population

ICD O code and site	No.
C54.0 Isthmus Uteri	4
C54.1 Endometrium	618
C54.2 Myometrium	11
C54.8 Overl. lesion of corpus	2
C54.9 Corpus uteri	14
C55.9 Uterus, NOS	339
Total	988

ICD 10 code and Histology	No.
8000 Neoplasm, malignant	87
8010 Carcinoma, NOS	37
8033 Pseudosarcomatous carcinoma	1
8070 Squamous cell carcinoma, NOS	40
8071 Squamous cell carcinoma, keratanizing, NOS	10
8072 Squamous cell carcinoma, large cell, non keratanizing, NOS	6
8083 Basaloid squamous cell carcinoma	1
8140 Adenocarcinoma, NOS	132
8260 Papillary adenocarcinoma, NOS	7
8310 Clear cell adenocarcinoma, NOS	7
8323 Mixed cell adenocarcinoma	1
8380 Endometrioid adenocarcinoma, NOS	539
8381 Endometrioid adenofibroma, malignant	1
8382 Endometrioid adenocarcinoma, secretory variant	3
8383 Endometrioid adenocarcinoma, ciliated cell variant	1
8384 Adenocarcinoma, endocervical type	2
8441 Serous cystadenocarcinoma, NOS	10
8460 Papillary serous cystadenocarc	1
8480 Mucinous adenocarcinoma	8
8500 Infiltrating duct carcinoma, NOS	1
8560 Adenosquamous carcinoma	2
8800 Sarcoma, NOS	5
8801 Spindle cell sarcoma	2
8850 Liposarcoma, NOS	1
8890 Leiomyosarcoma, NOS	21
8920 Rhabdomyosarcoma with ganglionic differentiation	1
8930 Endometrial stromal sarcoma, NOS	18
8931 Endometrial stromal sarcoma, low grade	4
8933 Adenosarcoma	2
8935 Stromal sarcoma, NOS	4
8941 Carcinoma in pleomorphic adenoma	1
8950 Mullerian mixed tumor	12

Table 25 continued ...

ICD 10 code and Histology		No.
8980	Carcinosarcoma, NOS	15
8990	Mesenchymoma, malignant	1
9100	Choriocarcinoma, NOS	5
Total		988

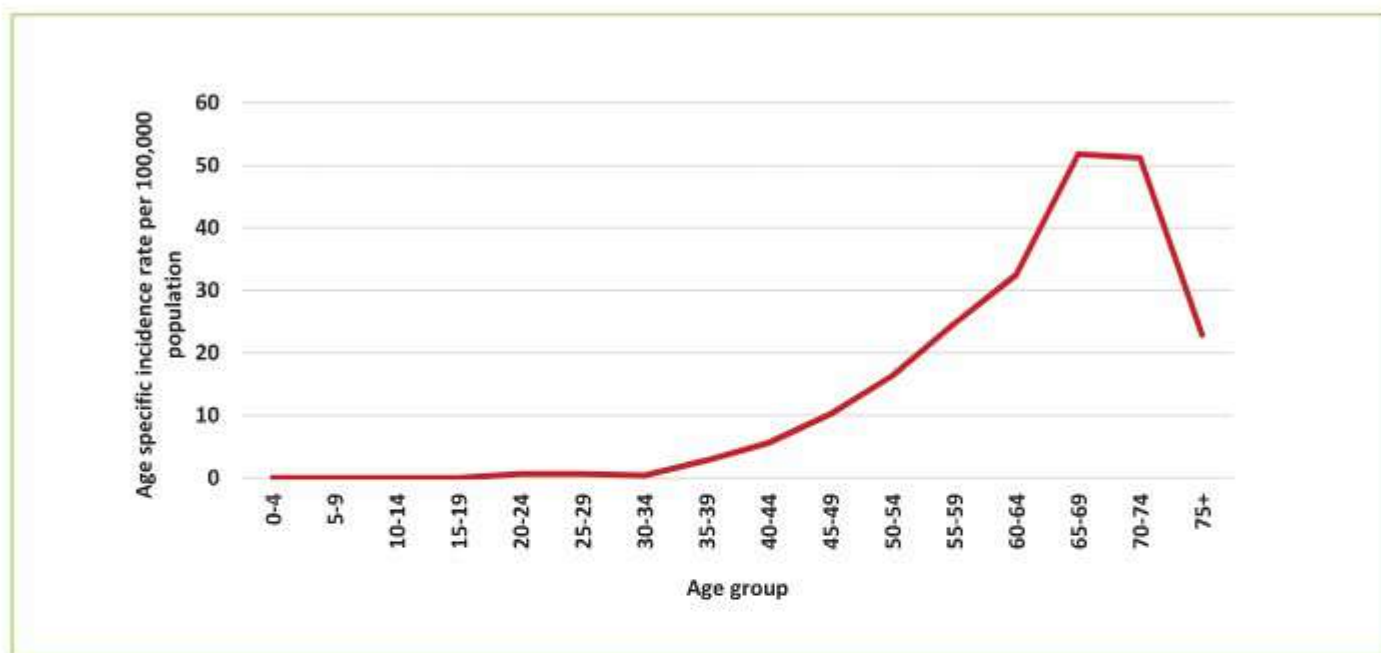


Figure 40 : Age specific incidence rates of uterine cancers in Sri Lanka in year 2019

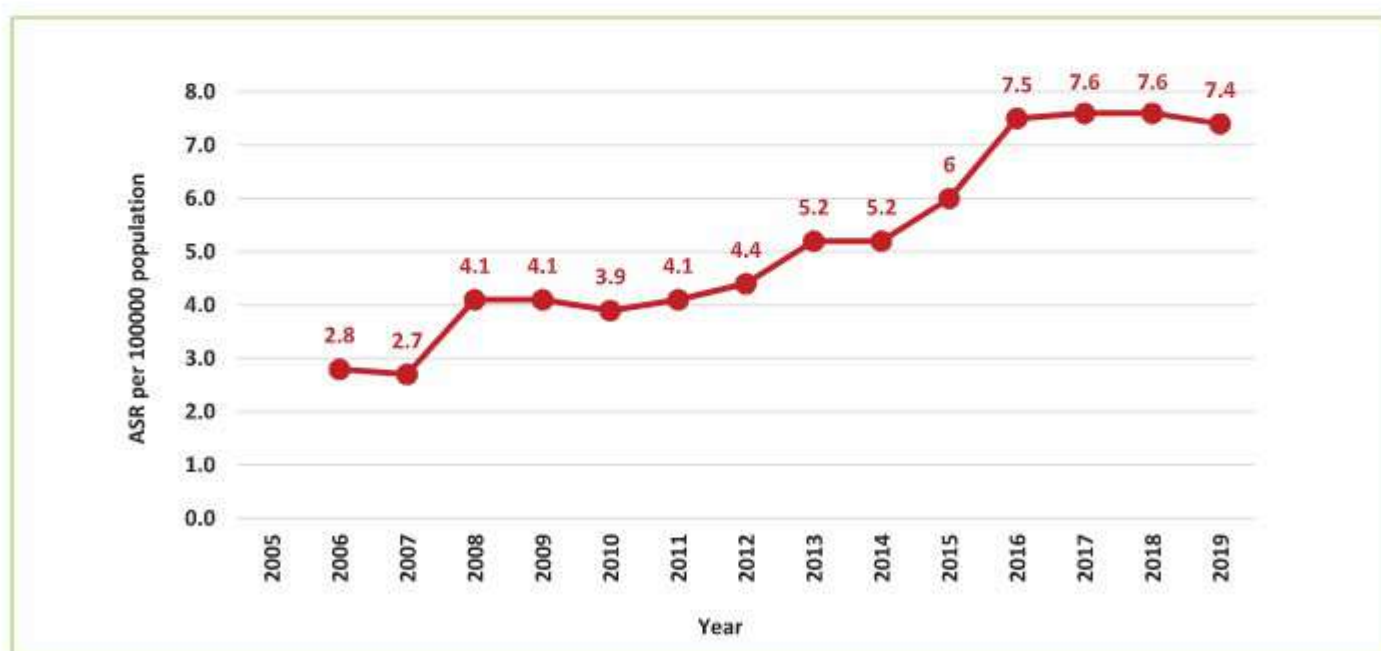


Figure 41: Age standardized incidence rates of uterine cancers in Sri Lanka, 2005-2019

Table 26: Ovary cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Female	953	5.7	7.3	0.89

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD O code and site	No.
C56.9 Ovary	953
Total	953

ICD 10 code and Histology	No.
8000 Neoplasm, malignant	169
8001 Tumor cells, malignant	1
8010 Carcinoma, NOS	60
8050 Papillary carcinoma, NOS	4
8070 Squamous cell carcinoma, NOS	9
8071 Squamous cell carcinoma, keratinizing, NOS	2
8072 Squamous cell carcinoma, large cell, nonkeratinizing	2
8073 Squamous cell carcinoma, small cell, nonkeratinizing	1
8120 Transitional cell carcinoma, NOS	1
8140 Adenocarcinoma, NOS	91
8200 Adenoid cystic carcinoma	1
8246 Neuroendocrine carcinoma, NOS	4
8260 Papillary adenocarcinoma, NOS	28
8310 Clear cell adenocarcinoma, NOS	23
8313 Clear cell adenocarcinofibroma	2
8380 Endometrioid adenocarcinoma, NOS	48
8440 Cystadenocarcinoma, NOS	6
8441 Serous cystadenocarcinoma, NOS	242
8450 Papillary cystadenocarcinoma	4
8460 Papillary serous cystadenocarcinoma	91
8461 Serous surface papillary carcinoma	10
8470 Mucinous cystadenocarcinoma, NOS	32
8471 Papillary mucinous cystadenoca	2
8480 Mucinous adenocarcinoma	32
8490 Signet ring cell carcinoma	2
8560 Adenosquamous carcinoma	1
8620 Granulosa cell tumor, malignant	20
8670 Steroid cell tumor, malignant	1
8800 Sarcoma, NOS	2
8801 Fibrosarcoma, NOS	3
8890 Leiomyosarcoma, NOS	5
8950 Mullerian mixed tumor	2
8980 Carcinosarcoma, NOS	3
9000 Brenner tumor, malignant	2
9015 Mucinous adenocarcinofibroma	1
9060 Dysgerminoma	9
9064 Germinoma	2
9065 Germ cell tumor, nonseminomatous	1
9071 Yolk sac tumor	4

Table 26 continued

ICD 10 code and Histology		No.
9080	Teratoma, malignant, NOS	15
9085	Mixed germ cell tumor	11
9100	Choriocarcinoma, NOS	2
9580	Granular cell tumor, malignant	1
Total		953

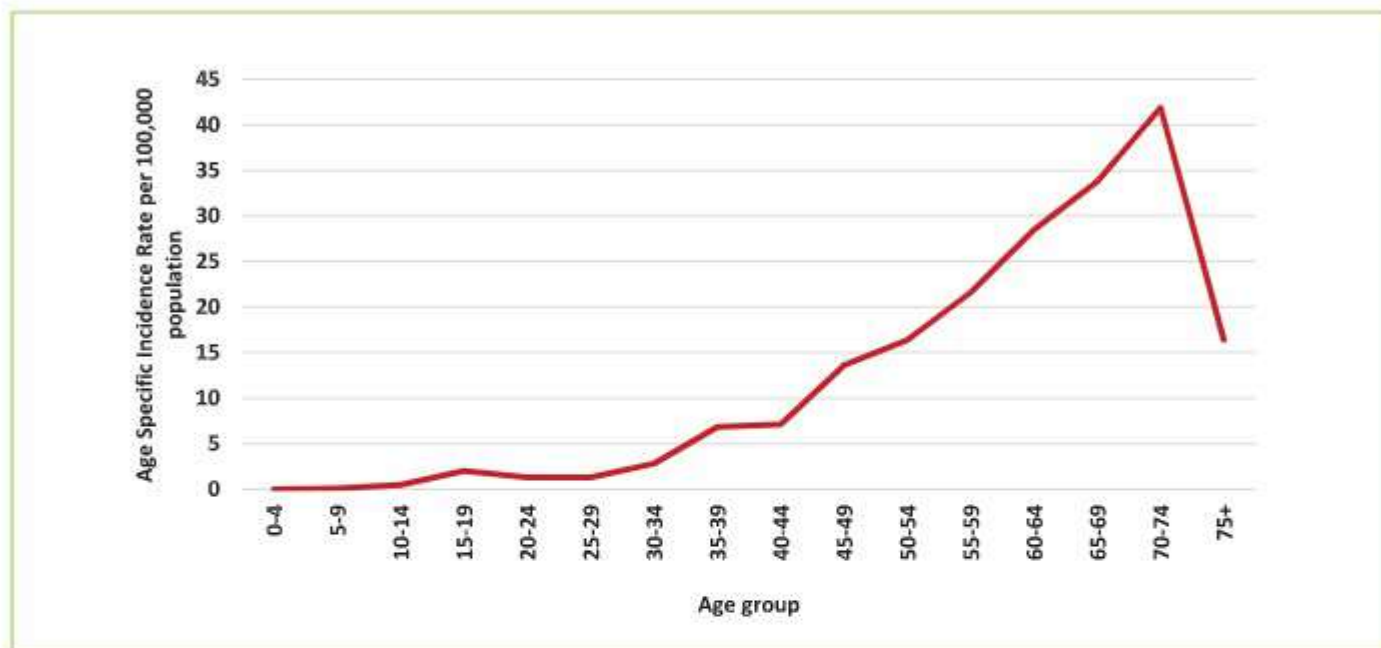


Figure 42 : Age specific incidence rates of ovarian cancers in Sri Lanka in year 2019

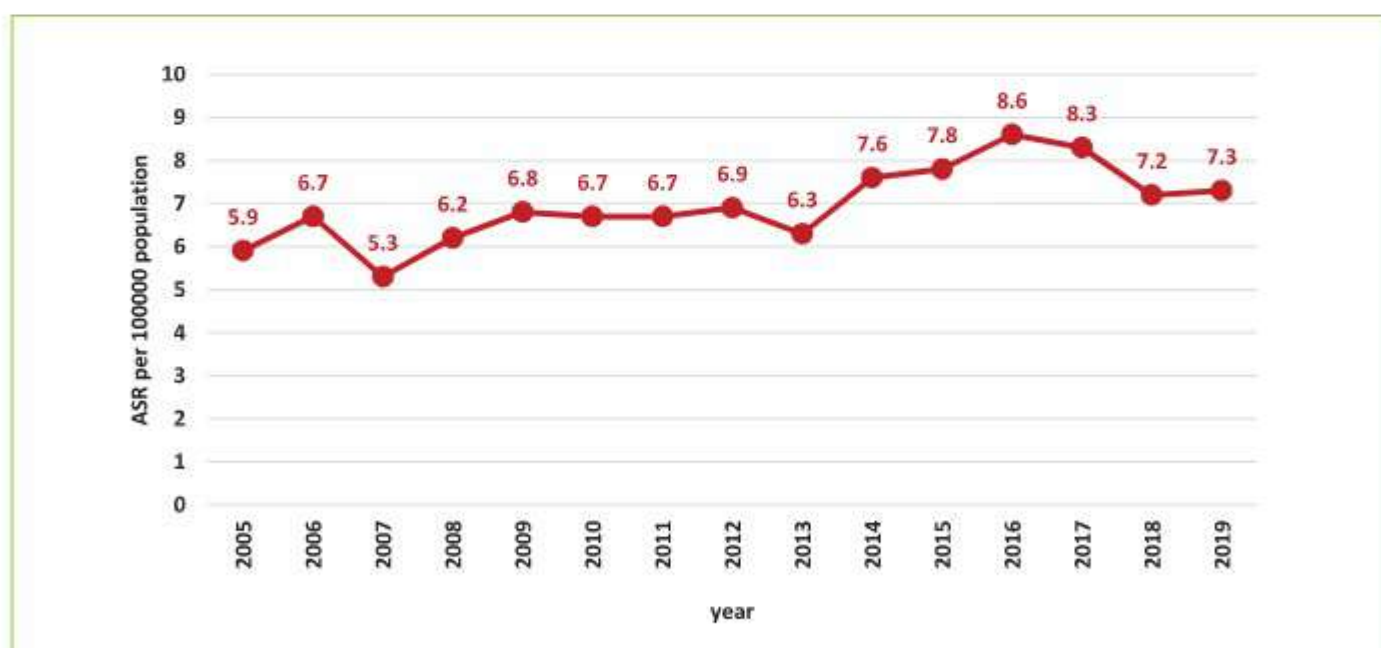


Figure 43 : Age standardized incidence rates of ovarian cancers in Sri Lanka, 2005-2019

Table 27: Prostate cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	1008	6.9	9.3	1.24

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate -Cumulative Rate (0-74 years) per 100 population

ICD 10 code and histology		No.
C61.9	Prostate gland	1008
Total		1008

ICD O code and histology		No.
8000	Neoplasm, malignant	179
8010	Carcinoma, NOS	44
8011	Epithelioma, malignant	1
8032	Spindle cell carcinoma, NOS	1
8050	Papillary carcinoma, NOS	1
8051	Verrucous carcinoma, NOS	1
8070	Squamous cell carcinoma, NOS	5
8120	Transitional cell carcinoma	4
8130	Papillary transitional cell carcinoma	6
8140	Adenocarcinoma, NOS	416
8141	Scirrhous adenocarcinoma	1
8260	Papillary adenocarcinoma, NOS	2
8500	Infiltrating duct carcinoma, NOS	4
8550	Acinar cell carcinoma	314
8551	Acinar cell cystadenocarcinoma	30
Total		1008

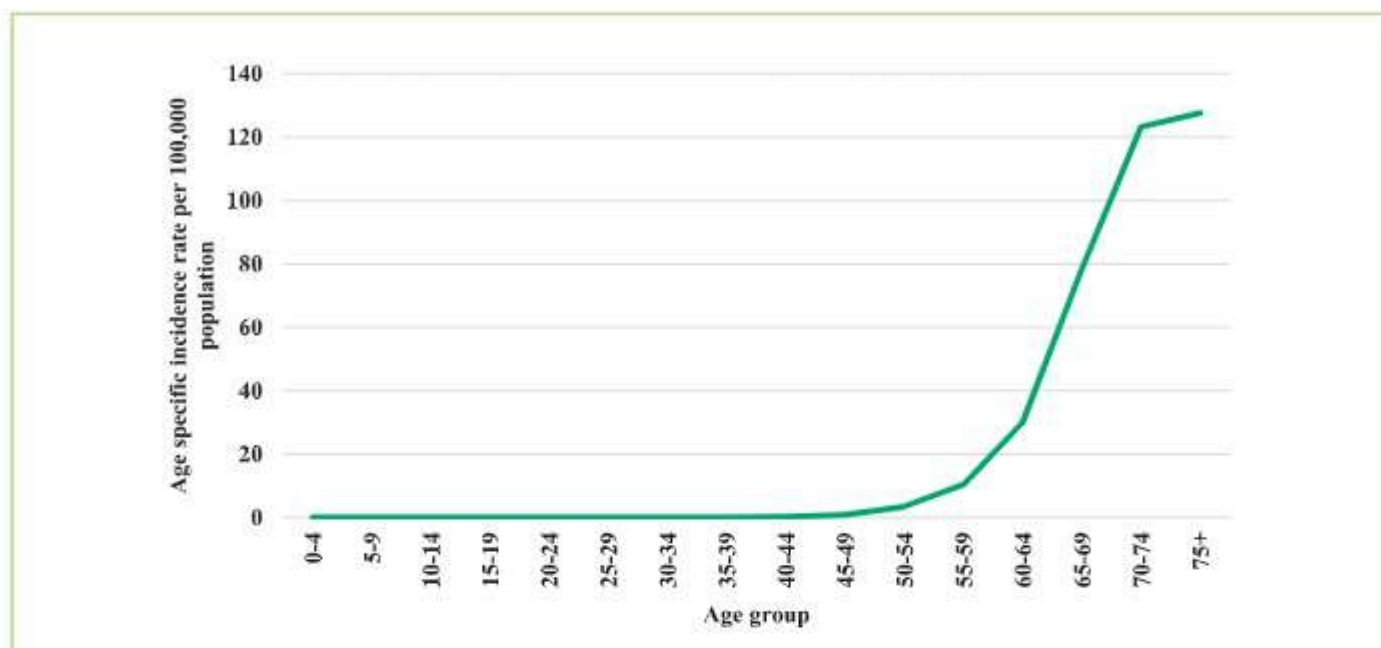


Figure 44: Age specific incidence rates of Prostatic cancers in Sri Lanka in year 2019

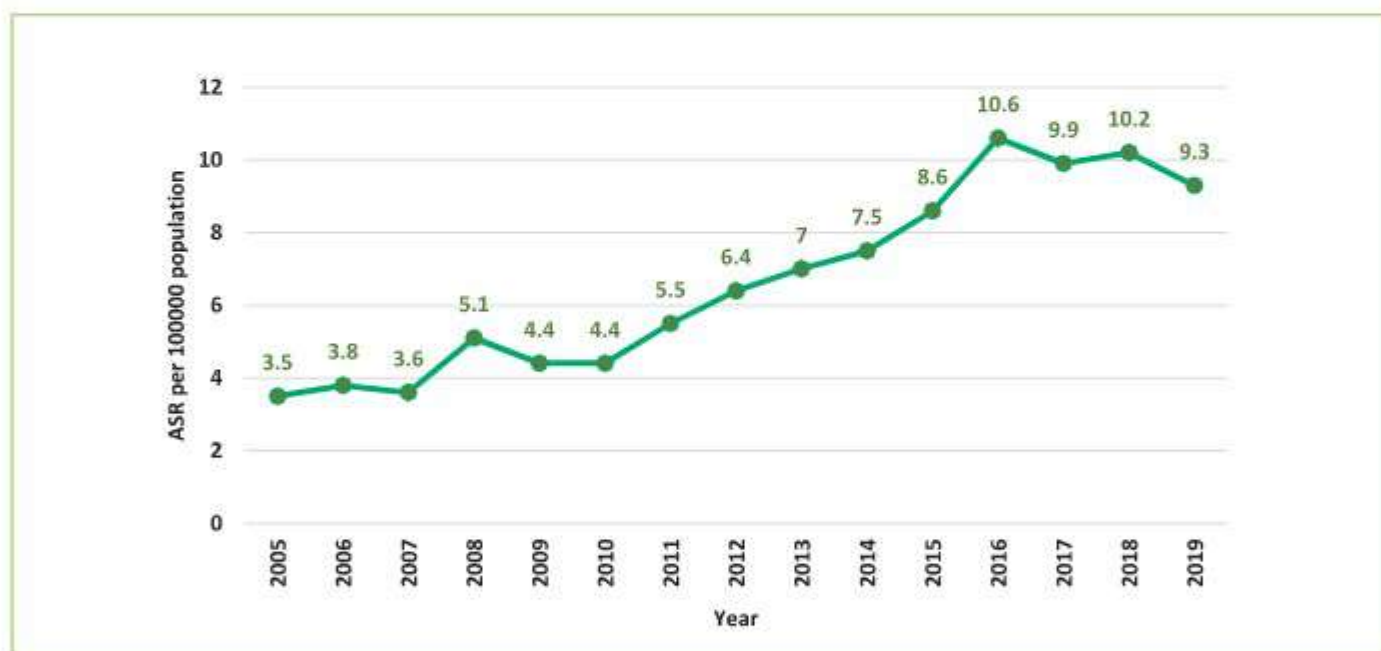


Figure 45: Age standardized incidence rates of Prostatic cancers in Sri Lanka, 2005-2019

Table 28 : Urinary bladder cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	543	3.7	4.9	0.63
Female	111	0.7	0.8	0.10

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site		Male	Female
C67.0	Trigone of bladder	2	0
C67.1	Dome of the bladder	1	1
C67.2	Lateral wall of urinary	4	1
C67.3	Anterior wall of urinary	1	1
C67.4	Posterior wall of urinary	3	0
C67.5	Bladder neck	7	2
C67.6	Ureteric orifice	3	0
C67.7	Urachus	0	1
C67.8	Overl. Lesion of bladder	16	5
C67.9	Bladder, NOS	506	100
Total		543	111

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	40	12
8010	Carcinoma, NOS	22	4
8011	Epithelioma, malignant	1	0
8032	Spindle cell carcinoma, NOS	2	0
8050	Papillary carcinoma, NOS	3	2
8070	Squamous cell carcinoma, NOS	13	0
8071	Squamous cell carcinoma, keratanizing	2	0
8120	Transitional cell carcinoma, NOS	267	56
8130	Papillary transitional cell carcinoma	172	29
8140	Adenocarcinoma, NOS	13	4
8260	Papillary adenocarcinoma, NOS	4	2
8310	Clear cell adenocarcinoma, NOS	1	0
8480	Mucinous adenocarcinoma	2	0
8490	Signet ring cell carcinoma	0	1
8550	Acinar cell carcinoma	1	0
8890	Leiomyosarcoma, NOS	0	1
Total		543	111

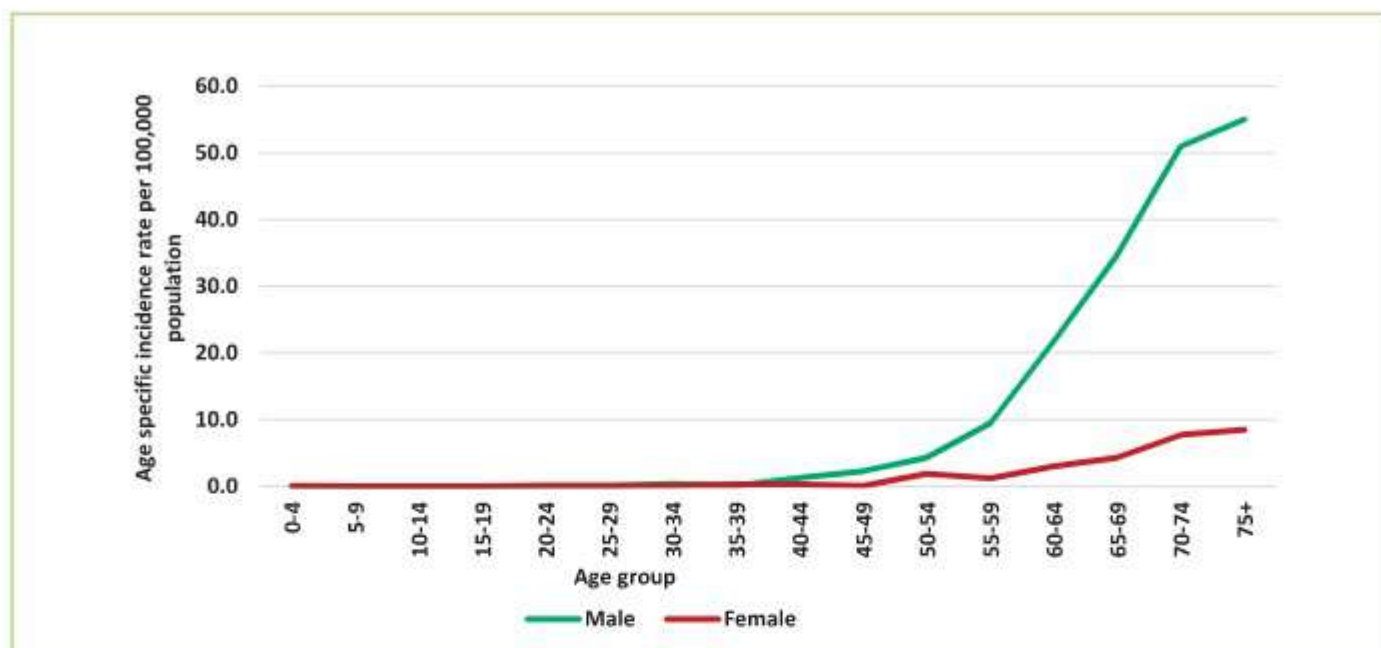


Figure 46 : Age specific incidence rates of Urinary bladder cancers in Sri Lanka in year 2019

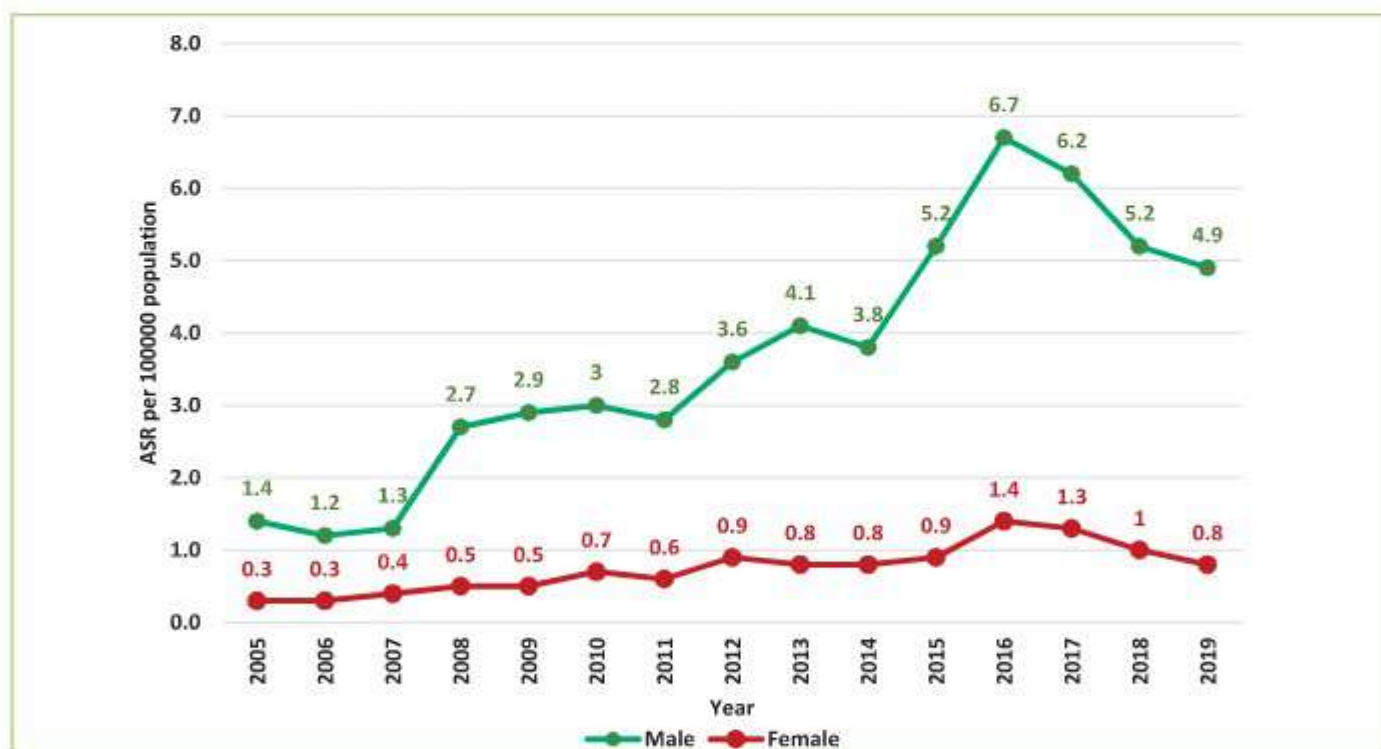


Figure 47 : Age standardized incidence rates of Urinary bladder cancers in Sri Lanka, 2005-2019

Table 29: Thyroid gland cancer incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	442	3	3.9	0.38
Female	2202	13.2	17.3	1.59

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C73.9 Thyroid gland	442	2202
Total	442	2202

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	38	102
8010 Carcinoma, NOS	12	29
8021 Carcinoma, anaplastic, NOS	11	20
8050 Papillary carcinoma, NOS	28	119
8070 Squamous cell carcinoma, NOS	2	5
8140 Adenocarcinoma, NOS	5	6
8260 Papillary adenocarcinoma, NOS	176	866
8290 Oxyphilic adenocarcinoma	4	37
8330 Follicular adenocarcinoma, NOS	39	255
8335 Follicular carcinoma, minimally invasive	17	133
8337 Insular carcinoma	1	1
8340 Papillary carcinoma, follicular variant	38	204
8341 Papillary microcarcinoma	63	385
8343 Papillary carcinoma, encapsula	1	14
8345 Medullary carcinoma with amyloid stroma	0	2
8350 Nonencapsulated sclerosing carcinoma	0	1
8510 Medullary carcinoma, NOS	7	23
8560 Adenosquamous carcinoma	0	1
Total	442	2202

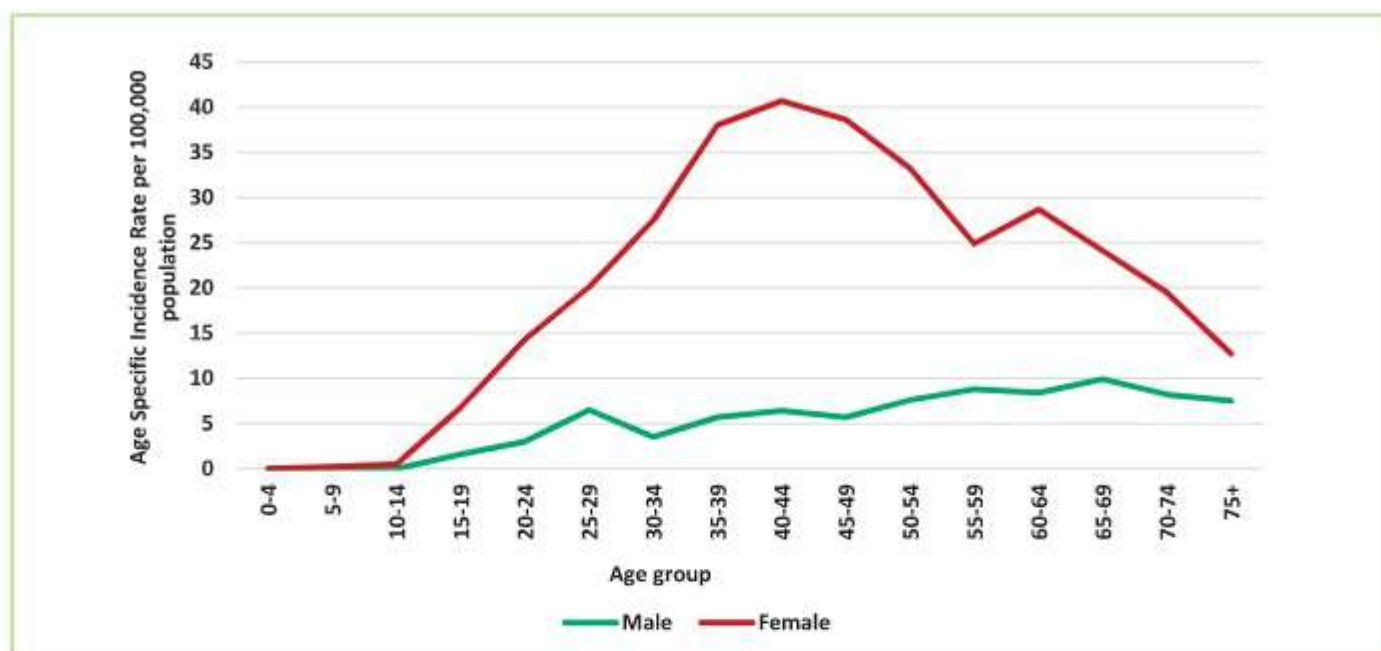


Figure 48 : Age specific incidence rates of Thyroid gland cancers in Sri Lanka in year 2019

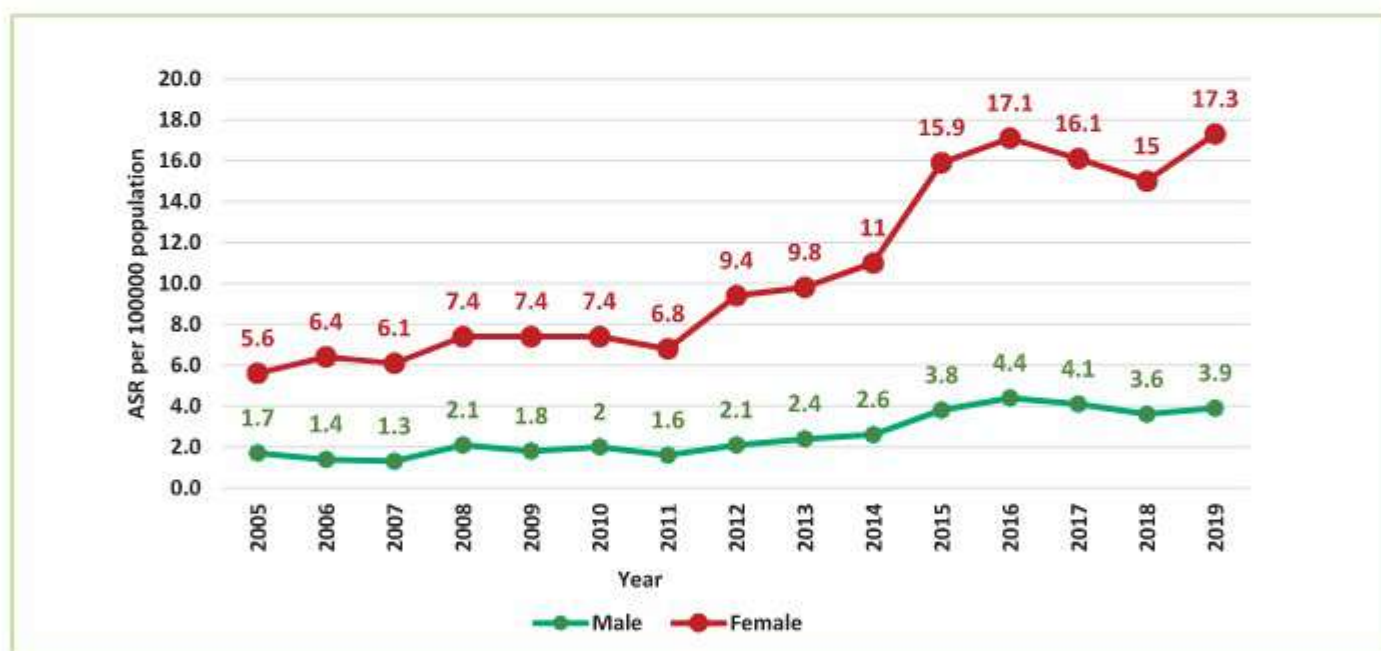


Figure 49 : Age standardized incidence rates of Thyroid gland cancers in Sri Lanka, 2005-2019

Table 30: Lymphoma incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. rate
Male	617	4.3	5.6	0.63
Female	435	2.6	3.4	0.37

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site	Male	Female
C81.0 Nodular lymphocyte predominant Hodgkin lymphoma	4	2
C81.1 Nodular sclerosis (classical) Hodgkin lymphoma	14	25
C81.2 Mixed cellularity (classical) Hodgkin lymphoma	15	12
C81.4 Lymphocyte-rich(classical) Hodgkin lymphoma	4	2
C81.9 Hodgkin lymphoma, unspecified	61	46
C82.0 Follicular lymphoma grade I	4	6
C82.2 Follicular lymphoma grade III. NOS	6	2
C82.9 Follicular lymphoma, NOS	24	22
C83.0 Small cell B-cell lymphoma	13	9
C83.1 Mantle cell lymphoma	9	2
C83.3 Diffuse large B-cell lymphoma	52	35
C83.5 Lymphoblastic (diffuse) lymphoma	28	8
C83.7 Burkitt lymphoma, NOS	6	1
C84.0 Mycosis fungoides	10	7
C84.4 Peripheral T-cell lymphoma, not elsewhere classified	7	7
C84.6 Anaplastic large cell lymphoma	4	3
C84.8 Cutaneous T-cell lymphoma, NOS	2	1
C85.2 Mediastinal large B cell lymphoma	1	0
C85.7 Other specified types of non-Hodgkin lymphoma	9	4
C85.9 Non-Hodgkin lymphoma, unspecified	337	237
C96.4 Sarcoma of dendritic cells	3	1
C96.6 Unifocal Langerhans-cell histiocytosis	3	2
C96.8 Histiocytic sarcoma	2	2
Total	617	435

ICD O code and histology	Male	Female
9590 Malignant lymphoma, NOS	83	46
9591 Malignant lymphoma, non-Hodgkin, NOS	252	191
9596 Composite Hodgkin and non-Hodgkin lymphoma	9	4
9650 Hodgkin lymphoma, NOS	61	46
9651 Hodgkin lymphoma, lymphocyte-rich	4	2
9652 Hodgkin lymphoma, mixed cellular	16	12
9659 Hodgkin lymphoma, nodular lymphocyte predominance	4	2
9663 Hodgkin lymphoma, nodular sclerosis	13	23
9664 Hodgkin lymphoma, nodular sclerosis, cellular phase	1	0
9667 Hodgkin lymphoma, nodular sclerosis, grade 2	0	2
9670 Malignant lymphoma, small B lymphocytic, NOS	8	7
9671 Malignant lymphoma, lymphoplasmacytic	6	2
9673 Mantle cell lymphoma	9	2
9679 Mediastinal large B-cell lymphoma	1	0

Table 30 continued

ICD O code and histology		Male	Female
9680	Malignant lymphoma, large B-cell	48	32
9684	Malignant lymphoma, large B-cell, diffuse, immunoblastic	4	0
9687	Burkitt lymphoma, NOS	6	1
9689	Splenic marginal zone B-cell lymphoma	0	1
9690	Follicular lymphoma, NOS	23	20
9691	Follicular lymphoma, grade 2	6	4
9695	Follicular lymphoma, grade 1	4	6
9698	Follicular lymphoma, grade 3	6	2
9700	Mycosis fungoides	10	7
9702	Mature T-cell lymphoma, NOS	7	7
9705	Angioimmunoblastic T-cell lymphoma	1	0
9709	Burkitt lymphoma, NOS	2	1
9714	Anaplastic large cell lymphoma, T cell and Null cell type	5	4
9716	Hepatosplenic (gamma-delta) cell	1	0
9727	Precursor cell lymphoblastic lymphoma NOS	3	1
9728	Precursor B-cell lymphoblastic lymphoma	8	7
9729	Precursor T-cell lymphoblastic lymphoma	18	1
Total		617	435

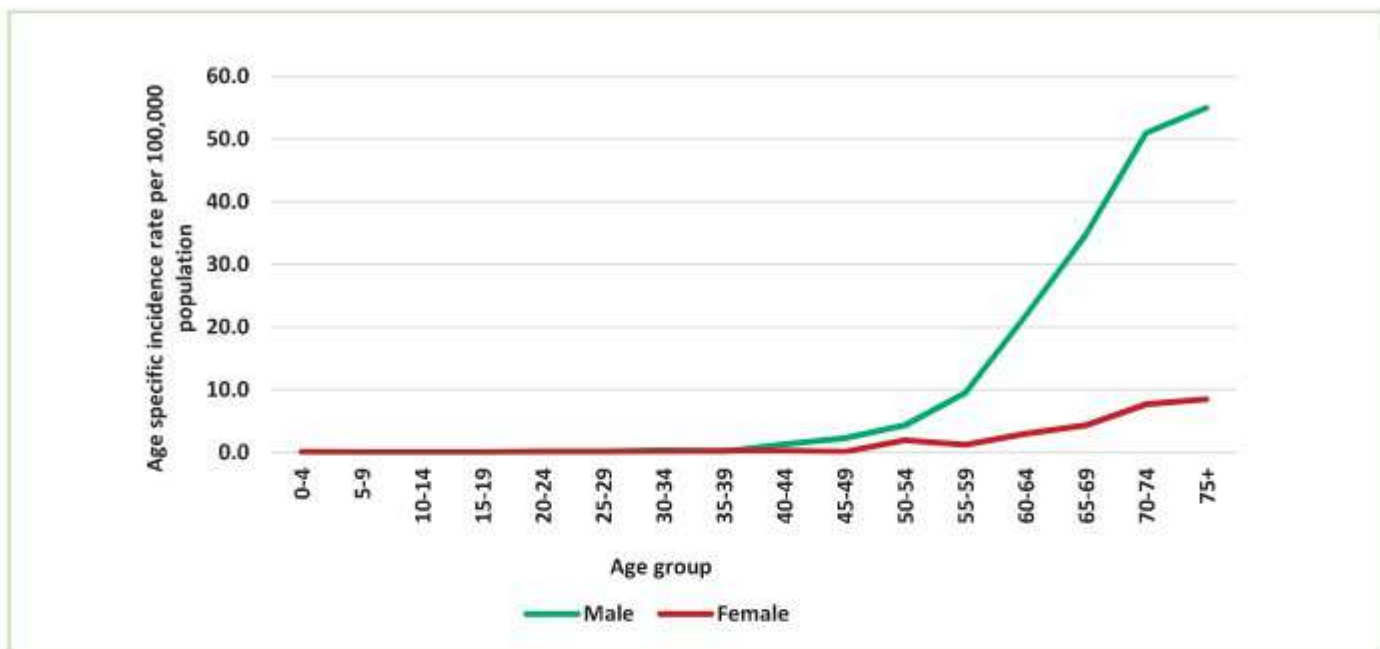


Figure 50: Age specific incidence rates of Lymphomas in Sri Lanka in year 2019

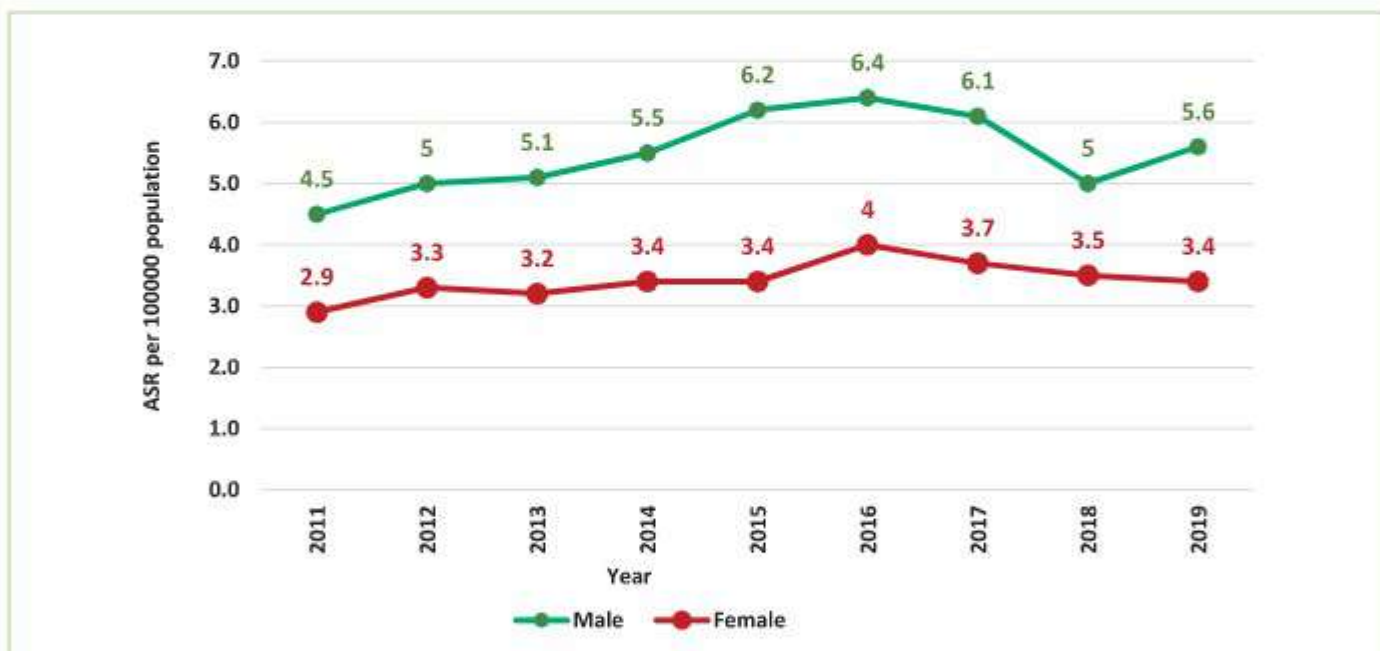


Figure 51: Age standardized incidence rates of Lymphoma in Sri Lanka, 2011-2019

Table 31: Leukemia incidence data in Sri Lanka, 2019

Group	Number	%	ASR	Cum. Rate
Male	438	3.0	4.1	0.40
Female	340	2.1	2.9	0.28

ASR - Age Standardized Incidence Rate per 100,000 world population

Cum.Rate-Cumulative Rate (0-74 years) per 100 population

ICD 10 code and site		Male	Female
C91.0	Acute lymphoblastic leukaemia	64	42
C91.1	Chronic lymphocytic leukaemia of B-cell type	20	12
C91.3	Prolymphocytic leukemia of B-cell type	3	3
C91.4	Hairy cell leukemia	7	1
C91.5	Adult T cell leukemia	2	0
C91.7	Other lymphoid leukemia	2	0
C91.8	Mature B cell leukemia	4	1
C91.9	Lymphoid leukemia NOS	13	9
C92.0	Acute myeloblastic leukaemia (AML)	133	120
C92.1	Chronic myeloid leukemia, NOS	59	36
C92.2	Atypical chronic myeloid leukemia	1	0
C92.3	Myeloid sarcoma	2	3
C92.4	Acute promyelocytic leukemia	6	6
C92.5	Acute myelomonocytic leukemia	5	6
C92.8	Mature B cell leukemia Burkitt-type	1	3
C92.9	Myeloid leukemia, NOS	7	5
C93.0	Acute monocytic leukemia	3	3
C93.1	Chronic myelomonocytic leukemia	1	1
C94.0	Acute erythroid leukaemia	4	3
C94.2	Acute megakaryoblastic leukemia	1	0
C94.4	Acute panmyelosis with myelofibrosis	10	9
C95.0	Acute leukemia of unspecified cell type	83	75
C95.9	Leukemia, unspecified	7	2
Total		438	340

ICD O code and histology		Male	Female
9742	Mast cell leukemia	1	0
9750	Malignant histiocytosis	1	0
9754	Langerhans cell histiocytosis, disseminated	3	2
9755	Histiocytic sarcoma	1	2
9758	Follicular dendritic cell sarcoma	2	1
9800	Leukemia, NOS	7	2
9801	Acute leukemia, NOS	85	75
9820	Acute megakaryoblastic leukemia	13	9
9823	Acute monocytic leukemia	20	12
9826	Burkitt cell leukemia	4	1
9827	Adult T-cell leukemia/lymphoma (HTLV-1 positive)	2	0
9832	Prolymphocytic leukemia, NOS	3	2
9833	Prolymphocytic leukemia, NOS	0	1
9835	Acute myeloid leukemia without	28	17
9836	Acute myeloid leukemia, M6 typ	14	20
9837	Acute myeloid leukemia, minimal invasive	22	5

Table 31 continued

ICD O code and histology		Male	Female
9840	Acute myeloid leukemia, NOS	4	3
9860	Acute myeloid leukemia, t(8;21)	7	5
9861	Acute myelomonocytic leukemia	122	111
9863	Acute panmyelosis with myelofibrosis	59	35
9866	Acute promyelocytic leukemia,	6	6
9867	B-cell chronic lymphocytic leukemia	5	6
9872	Chronic myelogenous leukemia,	1	1
9873	Chronic myeloid leukemia, NOS	1	2
9874	Chronic myelomonocytic leukemia	8	6
9875	Hairy cell leukemia	0	1
9876	Prolymphocytic leukemia, NOS	1	0
9891	Acute monocytic leukemia	3	3
9895	Acute myeloid leukemia with multilineage dysplasia	1	3
9896	Leukemia, NOS	1	0
9910	Myeloid leukemia, NOS	1	0
9930	Myeloid sarcoma	2	3
9931	Precursor B-cell lymphoblastic leukemia	10	9
9940	Precursor cell lymphoblastic leukemia	7	1
9945	Precursor T-cell lymphoblastic	1	1
Total		438	340

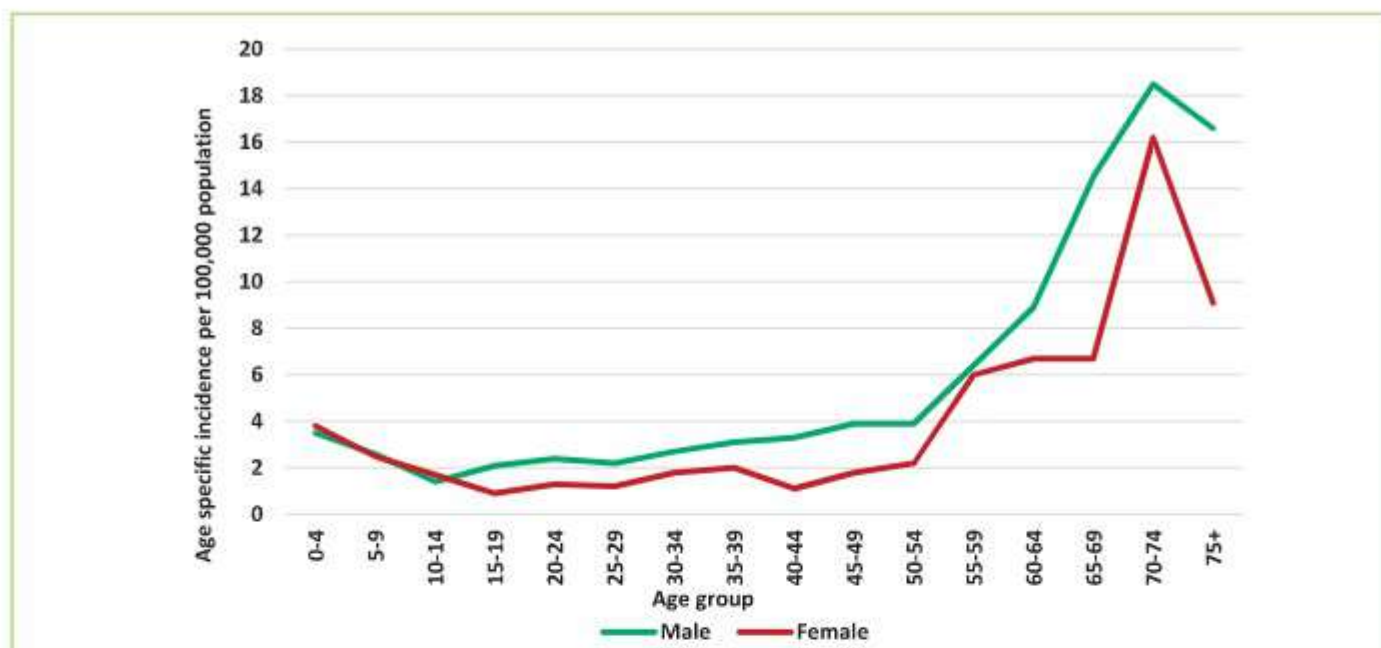


Figure 52 : Age specific incidence rates of leukaemia in Sri Lanka in year 2019

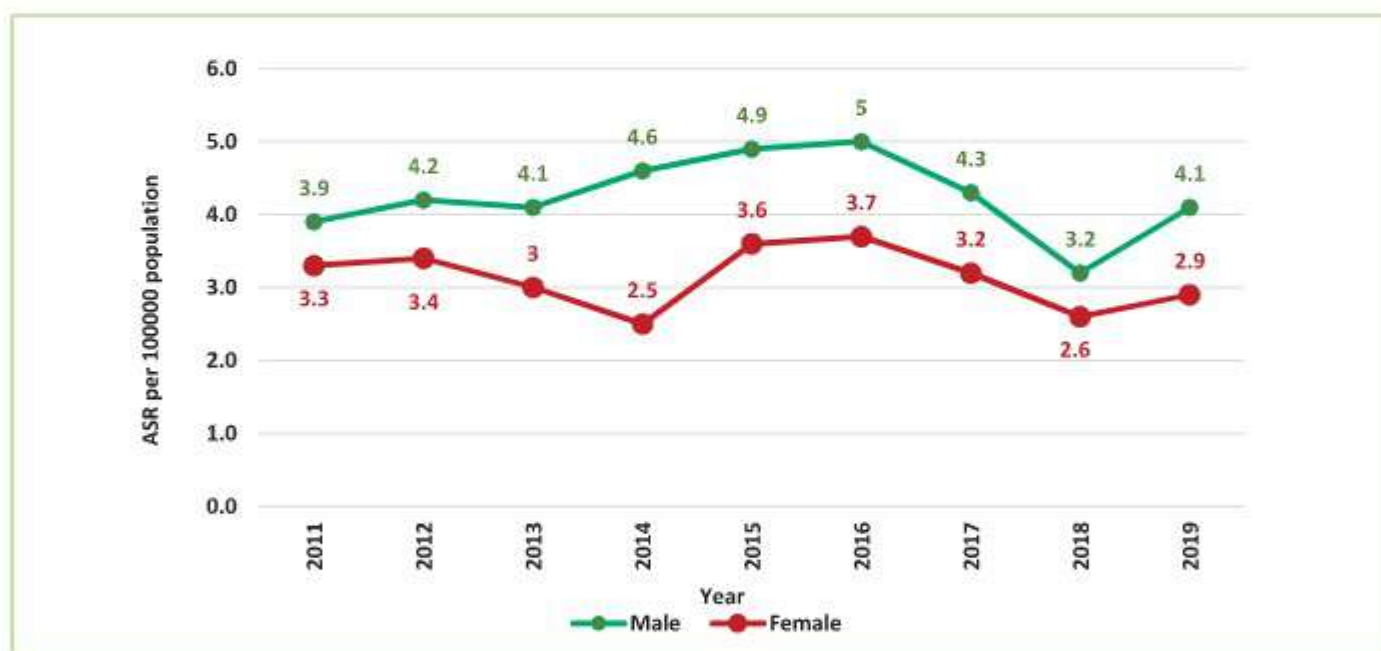


Figure 53 : Age standardized incidence rates of Leukemia in Sri Lanka, 2011-2019

Clinical staging at the point of diagnosis of Breast, Cervix and Lip, Tongue and Mouth cancers in Sri Lanka, 2019

Figure 54, 55 and 56 give the clinical staging information at the point of diagnosis of Breast, Cervix and Lip, Tongue and Mouth cancers. Information on clinical staging was available for 7% of diagnosed Breast cancers, 23% of diagnosed Cervical cancers and 8% of diagnosed Lip, Tongue and Mouth cancers. The percentages computed are out of the cancers with staging information.

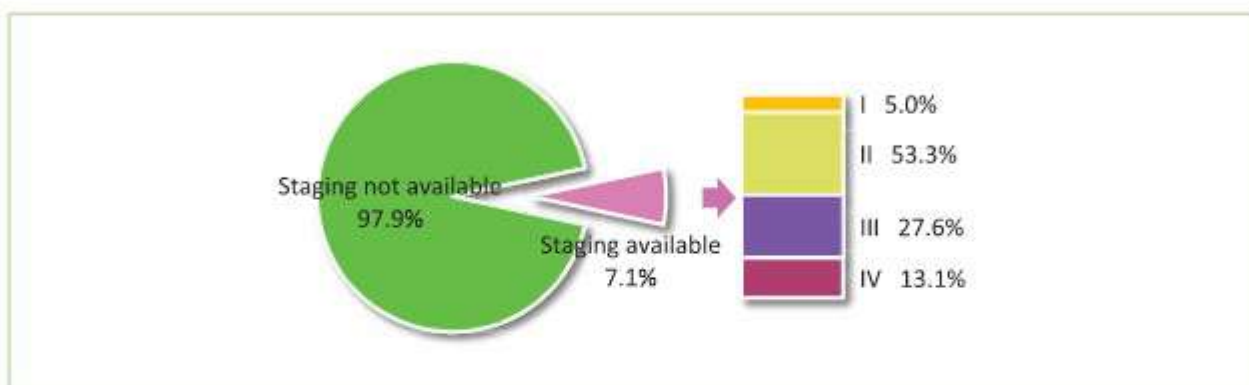


Figure 54: Clinical stage at diagnosis of Breast cancers in Sri Lanka, 2019

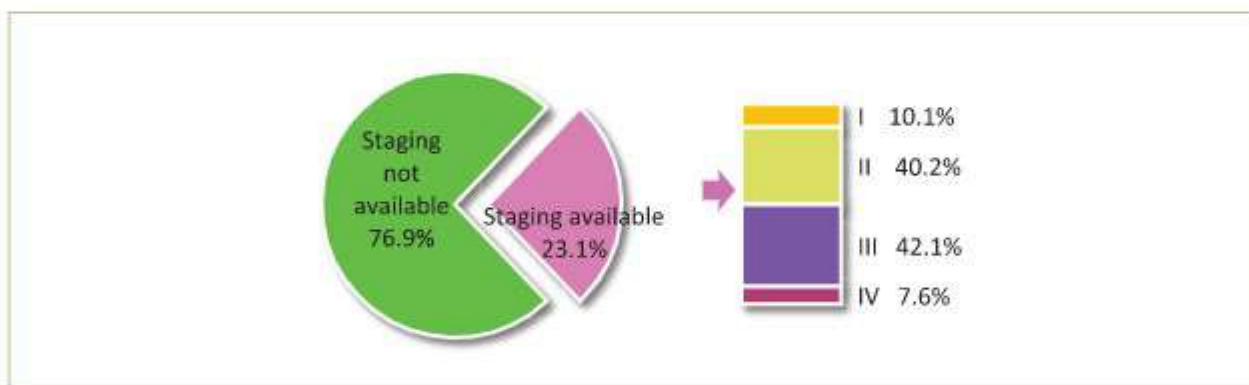


Figure 55: Clinical stage at diagnosis of cervical cancers in Sri Lanka, 2019

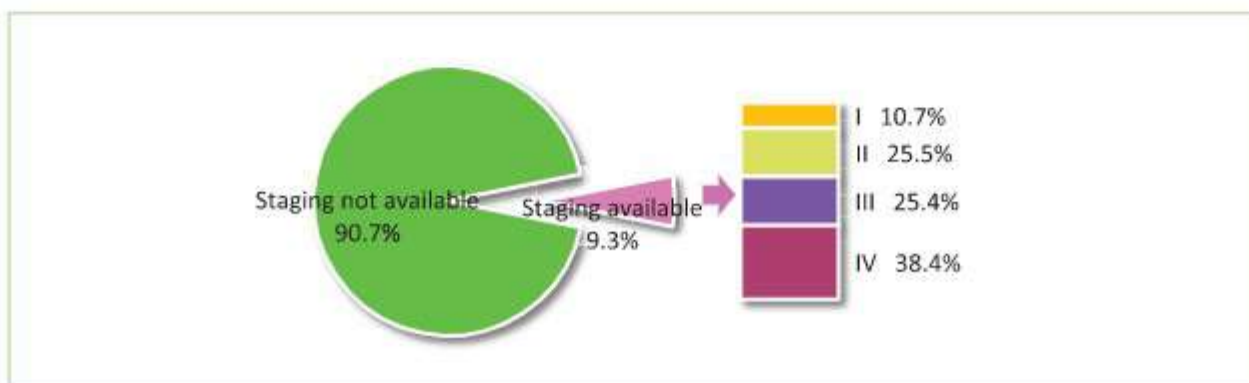
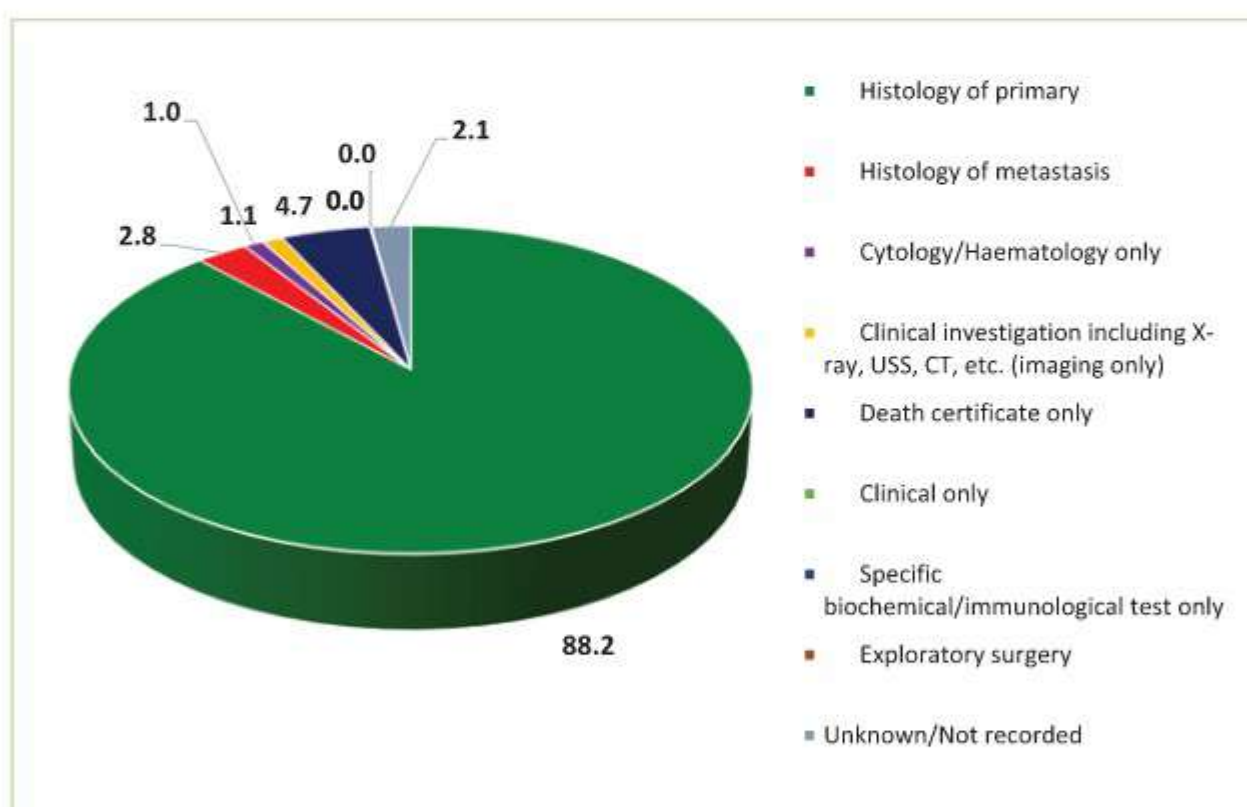


Figure 56: Clinical stage at diagnosis of Lip, Tongue and Mouth cancers in Sri Lanka, 2019

Table 32: Basis of diagnosis of cancer patients in Sri Lanka, 2019

Basis of diagnosis	Frequency	Percentage
Diagnosed microscopically		
Histology of primary	28087	88.2
Histology of metastasis	877	2.8
Cytology/Haematology only	330	1.0
Subtotal	29294	92.0
Diagnosed non-microscopically		
Clinical investigation including X-ray, USS, CT, etc. (imaging only)	355	1.1
Death certificate only	1504	4.7
Clinical only	3	0.0
Specific biochemical/immunological test only	9	0.0
Exploratory surgery	15	0.0
Subtotal	1877	5.9
Unknown/Not recorded	669	2.1
Total	31848	100.0

**Figure 57: Basis of diagnosis of cancers in Sri Lanka, 2019**

Treatment details are available among 28.9 % patients (9193) out of 31,848

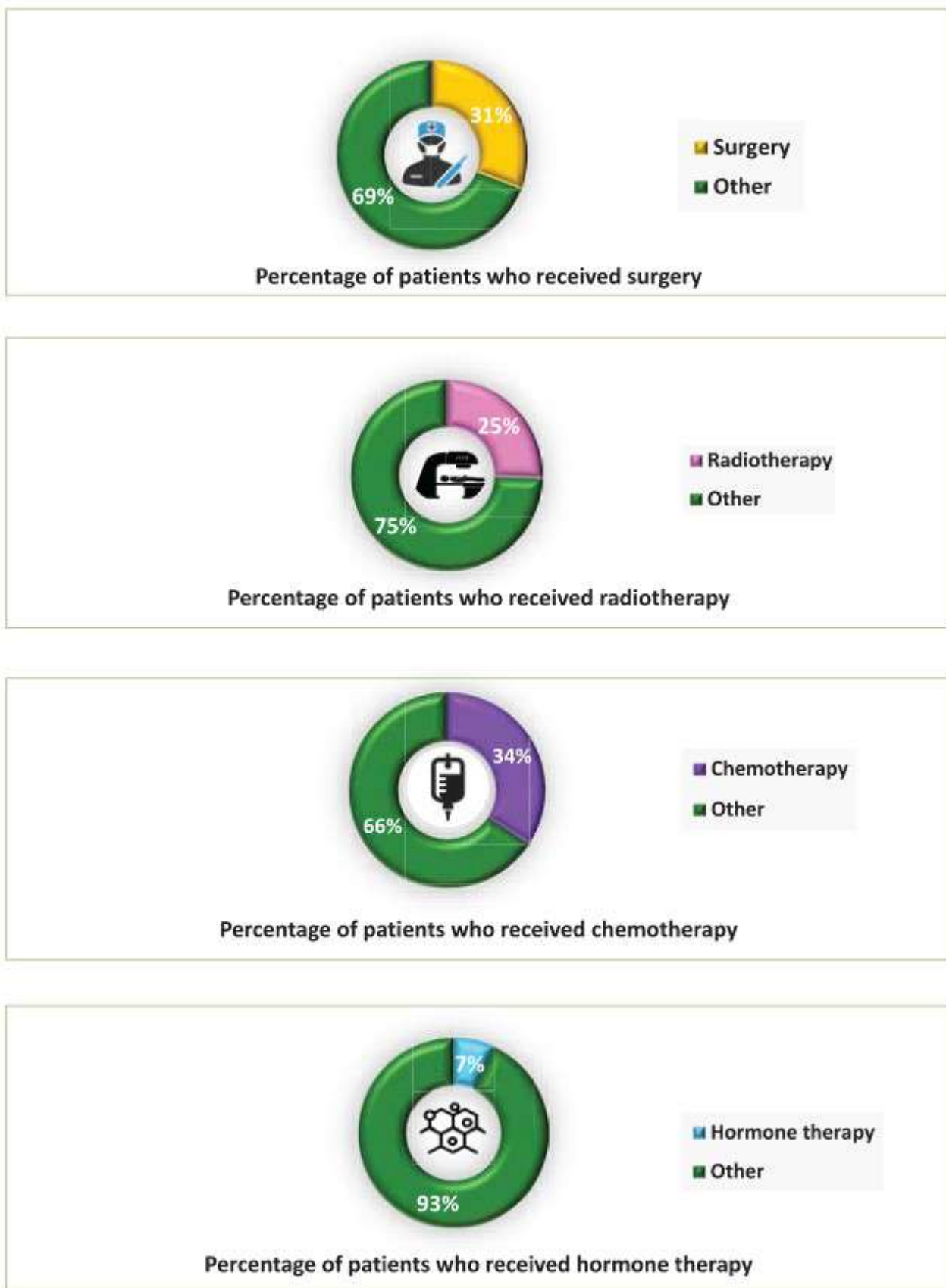


Figure 58: Percentage of newly detected cancer patients who received different types of treatment in Sri Lanka, 2019

Table 33: Childhood and adolescent cancer incidence data (0-19 years) in Sri Lanka, 2017 according to International Classification of Childhood Cancer third edition (ICCC-3) by sex

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
I	Leukaemias, myeloproliferative diseases, and myelodysplastic diseases			
a. Lymphoid leukaemia	9820 Lymphoid leukaemia, NOS	1	3	4
	9826 Burkitt cell leukaemia	2	0	2
	9835 Precursor cell lymphoblastic leukaemia, NOS	12	10	22
	9836 Precursor B-cell lymphoblastic leukaemia	8	8	16
	9837 Precursor T-cell lymphoblastic leukaemia	3	0	3
b. Acute myeloid leukaemia	9861 Acute myeloid leukaemia, NOS	9	07	16
	9866 Acute promyelocytic leukaemia, t(15;17) (q22;q11-12)	1	0	1
	9867 Acute myelomonocytic leukaemia	0	1	1
	9910 Acute megakaryoblastic leukaemia	0	1	1
c. Chronic myeloproliferative diseases	9863 Chronic myeloid leukaemia, NOS	2	2	4
d. Myelodysplastic syndrome and other myeloproliferative diseases	9946 Juvenile myelomonocytic leukaemia	0	1	1
e. Unspecified and other specified leukaemia	9800 Leukaemia, NOS	1	0	1
	9801 Acute leukaemia, NOS	50	50	100
Total		89	83	172
II	Lymphomas and reticuloendothelial neoplasms			
a. Hodgkin lymphomas	9650 Hodgkin lymphoma, NOS	9	7	16
	9651 Hodgkin lymphoma, lymphocyte-rich	0	1	1
	9652 Hodgkin lymphoma, mixed cellularity, NOS	1	2	3
	9659 Hodgkin lymphoma, nodular lymphocyte predominance	1	0	1
	9663 Hodgkin lymphoma, nodular sclerosis, NOS	0	2	2
	9664 Hodgkin lymphoma, nodular sclerosis, cellular phase	0	1	1
b. Non-Hodgkin lymphomas (except Burkitt lymphoma)	9590 Malignant lymphoma, NOS	3	1	4
	9591 Malignant lymphoma, non-Hodgkin, NOS	9	4	13
	9680 Malignant lymphoma, large B-cell, diffuse, NOS	1	1	2
	9700 Mycosis fungoides	1	0	1

Table 33 continued ...

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
	9702 Mature T-cell lymphoma, NOS	1	0	1
	9714 Anaplastic large cell lymphoma, T cell and Null cell type	1	0	1
	9728 Precursor B-cell lymphoblastic lymphoma	2	0	2
	9729 Precursor T-cell lymphoblastic lymphoma	5	0	5
c. Burkitt lymphoma	9687 Burkitt lymphoma, NOS	5	0	5
d. Miscellaneous lymphoreticular neoplasms	9750 Malignant histiocytosis	2	2	4
e. Unspecified lymphomas	9590 Malignant lymphoma, NOS	4	5	9
Total		45	26	71
III	CNS and miscellaneous intracranial and intraspinal neoplasms			
a. Ependymomas and choroid plexus tumour	9390 Choroid plexus carcinoma	0	2	0
	9391 Ependymoma, NOS	4	0	4
	9392 Ependymoma, anaplastic	5	2	7
b. Astrocytoma	9400 Astrocytoma, NOS	7	2	8
	9401 Astrocytoma, anaplastic	1	0	1
	9421 Fibrillary astrocytoma	1	0	1
	9424 Pleomorphic xanthoastrocytoma	1	1	2
	9430 Astroblastoma	1	1	2
	9440 Glioblastoma, NOS	2	0	2
c. Intracranial and intraspinal embryonal tumours	9470 Medulloblastoma, NOS	10	5	15
d. Other gliomas	9380 Glioma, malignant	13	11	24
	9450 Oligodendroglioma	1	1	2
	9451 Oligodendroglioma, anaplastic	1	0	1
f. Unspecified intracranial and intraspinal neoplasms	8000 Neoplasm, malignant	6	4	10
Total		53	29	82
IV	Neuroblastoma and other peripheral nervous cell tumours			
a. Neuroblastoma and ganglioneuroblastoma	9490 Ganglioneuroblastoma	2	3	5
	9500 Neuroblastoma, NOS	12	13	25
b. Other peripheral nervous cell tumour	8680 Paraganglioma, malignant	1	0	1
Total		15	16	31

Table 33 continued ...

ICCC-3 Site Group		ICD -O-3 Histology		Male	Female	Total
V	Retinoblastoma					
	Retinoblastoma	9510	Retinoblastoma, NOS	12	17	29
	Total			12	17	29
VI	Renal tumours					
	a. Nephroblastoma and other nonepithelial renal tumours	8960	Nephroblastoma, NOS	16	9	25
		8964	Clear cell sarcoma of kidney	4	1	5
	B. Renal carcinomas	8312	Renal cell carcinoma, NOS	1	0	1
	c. Unspecified malignant renal tumours	8000	Neoplasm, malignant	1	0	1
	Total			22	10	32
VII	Hepatic tumours					
	a. Hepatoblastoma	8970	Hepatoblastoma	6	4	10
	b. Hepatic carcinomas	8170	Hepatocellular carcinoma, NOS	2	0	2
	c. Unspecified hepatic tumours	8000	Neoplasm, malignant	0	1	1
	Total			8	5	13
VIII	Malignant bone tumours					
	a. Osteosarcomas	9180	Osteosarcoma, NOS	18	11	29
		9181	Chondroblastic osteosarcoma	3	0	3
		9186	Central Osteosarcoma	1	0	1
	c. Ewing tumours and related sarcomas of bone	9260	Ewing sarcoma	7	3	11
	d. Other specified malignant bone tumours	9250	Giant cell tumor	1	2	3
	Total			33	24	57
IX	Soft tissue and other extrasosseous sarcoma					
	a. Rhabdomyosarcoma	8900	Rhabdomyosarcoma, NOS	10	7	17
		8902	Mixed type rhabdomyosarcoma	1	0	1
		8910	Embryonal rhabdomyosarcoma, NOS	3	0	3
		8920	Alveolar rhabdomyosarcoma	0	1	1
	b. Fibrosarcomas, peripheral nerve sheath tumours, and other fibrous neoplasms	8813	Fascial fibrosarcoma	1	0	1
		9540	Malignant peripheral nerve sheath tumour	0	1	1
		9580	Granular cell tumour, malignant	1	0	1
	d. Other specified soft tissue sarcomas	8806	Desmoplastic small round cell tumour	13	11	24
		8810	Cellular fibroma	0	1	1
		8832	Dermatofibrosarcoma, NOS	2	0	2

Table 33 continued ...

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
	8850 Pleomorphic liposarcoma	0	1	1
	9041 Synovial sarcoma, spindle cell	0	1	1
	9043 Synovial sarcoma, biphasic	0	1	1
	9130 Hemangioendothelioma, malignant	0	1	1
	9260 Ewing sarcoma	9	7	16
e. Unspecified soft tissue sarcomas	8800 Sarcoma, NOS	3	6	9
Total		43	38	81
X	Germ cell tumours, trophoblastic tumours, and neoplasms of gonads			
a. Intracranial and intraspinal germ cell tumours	9070 Embryonal carcinoma, NOS	1	0	1
b. Malignant extracranial and extragonadal germ cell tumours	9064 Germinoma	2	0	2
	9065 Germ cell tumor, nonseminomatous	0	1	1
	9070 Embryonal carcinoma, NOS	1	1	2
	9071 Yolk sac tumour	2	1	3
	9080 Teratoma, malignant, NOS	1	0	1
c. Malignant gonadal germ cell tumours	9060 Dysgerminoma	0	9	9
	9080 Teratoma, malignant, NOS	5	1	6
	9085 Mixed germ cell tumour	1	6	7
d. Gonadal carcinomas	8441 Serous cystadenocarcinoma, NOS	0	2	2
	8450 Papillary cystadenocarcinoma, NOS	0	1	1
	8480 Mucinous adenocarcinoma	0	1	1
e. Other and unspecified malignant gonadal tumours	8000 Neoplasm, malignant	1	1	2
	8620 Granulosa cell tumour, malignant	0	1	1
	8631 Sertoli-Leydig cell tumour, poorly differentiated	1	1	2
Total		15	26	41
XI	Other malignant epithelial neoplasms and malignant melanomas			
b. Thyroid carcinomas	8050 Papillary carcinoma, NOS	0	7	7
	8260 Papillary adenocarcinoma, NOS	8	29	38
	8290 Oxyphilic adenocarcinoma	0	3	3
	8330 Follicular adenocarcinoma, NOS	2	12	14
	8335 Follicular carcinoma, minimally invasive	1	1	2
	8340 Papillary carcinoma, follicular variant	1	7	8
	8341 Papillary microcarcinoma	1	4	5

Table 33 continued ...

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
	8346 Mixed medullary-follicular carcinoma	1	0	1
c. Nasopharyngeal carcinomas	8070 Squamous cell carcinoma, NOS	1	0	1
	8072 Squamous cell carcinoma, large cell, nonkeratinizing, NOS	1	0	1
d. Malignant melanomas	8720 Malignant melanoma, NOS (<i>except juvenile melanoma M-8770/0</i>)	1	0	1
e. Skin carcinomas	8031 Giant cell carcinoma	0	1	1
	8070 Squamous cell carcinoma, NOS	2	1	3
	8390 Skin appendage carcinoma	0	1	1
f. Other and unspecified carcinomas	8010 Carcinoma, NOS	3	4	7
	8070 Squamous cell carcinoma, NOS	6	3	9
	8140 Adenocarcinoma, NOS	4	3	7
	8246 Neuroendocrine carcinoma, NOS	2	7	9
	8470 Mucinous cystadenocarcinoma, NOS	0	2	2
	8503 Intraductal papillary adenocarcinoma with invasion	1	0	1
Total		35	75	110
XII Other and unspecified malignant neoplasms				
a. Other specified malignant tumours	8935 Stromal sarcoma, NOS	0	1	1
	8936 Gastrointestinal stromal sarcoma	1	0	1
b. Other unspecified malignant tumours	8000 Neoplasm, malignant	19	13	32
	8004 Malignant tumour, spindle cell type	3	2	5
Total		23	17	40
All sites		402	378	780

Table 34: Overall cancer incidence by province and district in Sri Lanka, 2019

Province	District	Male		Female		Total	
		No	%	No	%	No	%
	Not known	6106	41.1	6614	38.9	12720	39.9
Western		2973	30.9	3713	30.5	6686	29.6
	Colombo	1811	20.7	2304	22.2	4115	21.5
	Gampaha	658	4.4	885	5.2	1543	4.8
	Kalutara	504	5.8	524	3.1	1028	3.2
Central		1442	9.7	1931	11.4	3373	10.6
	Kandy	830	5.6	1084	6.4	1914	6.0
	Matale	311	2.1	392	2.3	703	2.2
	NuwaraEliya	301	2.0	455	2.7	756	2.4
Southern		703	4.7	755	4.4	1458	6.7
	Galle	343	2.3	372	2.2	715	3.7
	Hambanthota	161	1.1	142	0.8	303	1.6
	Matara	199	1.3	241	1.4	440	1.4
Northern		503	3.4	524	3.2	1027	3.2
	Jaffna	387	2.6	399	2.3	786	2.5
	Kilinochchi	36	0.2	44	0.3	80	0.3
	Mannar	19	0.1	27	0.2	46	0.1
	Mullaitivu	33	0.2	27	0.2	60	0.2
	Vavuniya	28	0.2	27	0.2	55	0.2
Eastern		372	2.5	421	2.5	793	2.5
	Ampara	106	0.7	139	0.8	245	0.8
	Batticaloa	203	1.4	224	1.3	427	1.3
	Trincomalee	63	0.4	58	0.3	121	0.4
North Western		1000	6.7	1110	6.5	2110	6.6
	Kurunegala	740	5.0	858	5.0	1598	5.0
	Puttalam	260	1.8	252	1.5	512	1.6
North Central		289	1.9	355	2.1	644	2.0
	Anuradhapura	111	0.7	146	0.9	257	0.8
	Polonnaruwa	178	1.2	209	1.2	387	1.2
Uva		541	3.6	563	3.3	1104	3.5
	Badulla	341	2.3	342	2.0	683	2.1
	Moneragala	200	1.3	221	1.3	421	1.3
Sabaragamuwa		940	6.3	996	5.9	1936	6.1
	Ratnapura	532	3.6	604	3.6	1136	3.6
	Kegalle	408	2.7	392	2.3	800	2.5
Total		14854	100.0	16994	100.0	31848	100.0

Table 35: Leading cancer incidence data by district in Sri Lanka, 2019

Western Province

Colombo

Rank	ICD 10 code and site		Cases	CR	%
1	C50	Breast	673	27.5	16.4
2	C18-C20	Colon and Rectum	309	12.6	7.5
3	C33-C34	Trachea, bronchus, lung	273	11.2	6.6
4	C00-C06	Lip, tongue, mouth	221	9.0	5.4
5	C73	Thyroid	180	7.4	4.4
6	C61	Prostate	177	7.2	4.3
7	C54-C55	Uterus	171	7.0	4.2
8	C56	Ovary	163	6.7	4.0
9	C22	Liver	158	6.5	3.8
10	C53	Cervix	133	5.4	3.2
All sites			4115	168.1	100.0

Gampaha

Rank	ICD 10 code and site		Cases	CR	%
1	C50	Breast	234	9.7	15.2
2	C73	Thyroid	169	7.0	11
3	C00-C06	Lip, Tongue and Mouth	98	4.1	6.4
4	C18-C20	Colon and Rectum	97	4.0	6.3
5	C33-C34	Trachea, bronchus and lung	69	2.9	4.5
6	C56	Ovary	68	2.8	4.4
7	C81-C85, C96	Lymphoma	65	2.7	4.2
8	C15	Oesophagus	62	2.6	4
9	C61	Prostate	59	2.4	3.8
10	C09-C14	Pharynx	72	3.0	2.8
All sites			1543	63.8	100.0

Kalutara

Rank	ICD 10 code and site		Cases	CR	%
1	C50	Breast	152	11.8	18.2
2	C00-C06	Lip, Tongue and Mouth	93	7.2	10.9
3	C73	Thyroid	74	5.8	7.8
4	C18-C20	Colon and Rectum	70	5.5	7.5
5	C15	Oesophagus	58	4.5	4.7
6	C61	Prostate	56	4.4	4.5
7	C33-C34	Trachea, bronchus and lung	49	3.8	4.3
8	C53	Cervix	43	3.3	3.8
9	C54-C55	Uterus	40	3.1	3.8
10	C56	Ovary	37	2.9	3.7
All sites			1028	80.0	100.0

Central Province

Kandy

Rank	ICD code and site		Cases	CR	%
1	C50	Breast	305	20.7	15.9
2	C18-C20	Colon and Rectum	160	10.8	8.4
3	C15	Oesophagus	145	9.8	7.6
4	C33-C34	Trachea, bronchus and lung	133	9.0	6.9
5	C73	Thyroid	121	8.2	6.3
6	C81-C85, C96	Lymphoma	93	6.3	4.9
7	C54-C55	Uterus	79	5.4	4.1
8	C56	Ovary	74	5.0	3.9
9	C00-C06	Lip, Tongue and Mouth	70	4.7	3.7
10	C91-95	Leukaemia	61	4.1	3.2
All sites			1914	129.7	100.0

Matale

Rank	ICD code and site		Cases	CR	%
1	C50	Breast	106	20.3	15.1
2	C15	Oesophagus	82	15.7	11.7
3	C33-C34	Trachea, bronchus and lung	59	11.3	8.4
4	C73	Thyroid	57	10.9	8.1
5	C00-C06	Lip, Tongue and Mouth	47	9.0	6.7
6	C18-C20	Colon and Rectum	36	6.9	5.1
7	C56	Ovary	27	5.2	3.8
8	C81-C85, C96	Lymphoma	24	4.6	3.4
9	C53	Cervix	23	4.4	3.3
10	C09-C14	Pharynx	18	3.4	2.6
All sites			703	134.6	100.0

Nuwara Eliya

Rank	ICD code and site		Cases	CR	CR
1	C15	Oesophagus	113	14.7	14.9
2	C50	Breast	96	12.5	12.7
3	C53	Cervix	56	7.3	7.4
4	C18-C20	Colon and Rectum	51	6.6	6.7
5	C73	Thyroid	45	5.9	6
6	C00-C06	Lip, Tongue and Mouth	42	5.5	5.6
7	C33-C34	Trachea, bronchus and lung	34	4.4	4.5
8	C91-95	Leukaemia	33	4.3	4.4
9	C81-C85, C96	Lymphoma	31	4.0	4.1
10	C16	Stomach	25	3.3	3.3
11	C09-C14	Pharynx	25	3.3	3.3
All sites			756	98.4	100.0

Southern Province

Galle

Rank	ICD code and site		Cases	CR	%
1	C73	Thyroid	90	8.0	12.6
2	C50	Breast	83	7.3	11.6
3	C00-C06	Lip, Tongue and Mouth	79	7.0	11
4	C91-95	Leukemia	45	4.0	6.3
5	C15	Oesophagus	35	3.1	4.9
6	C33-C34	Trachea, bronchus and lung	34	3.0	4.8
7	C56	Ovary	32	2.8	4.5
8	C91-95	Lymphoma	29	2.6	4.1
9	C53	Cervix	29	2.6	4.1
10	C54	Prostate	20	1.8	2.8
All sites			715	98.4	100.0

Hambanthota

Rank	ICD code and site		ases	CR	%
1	C00-C06	Lip, Tongue and Mouth	48	7.3	15.8
2	C73	Thyroid	44	6.7	14.5
3	C50	Breast	27	4.1	8.9
4	C91-95	Colon and rectum	23	3.5	7.6
5	C33-C34	Trachea, bronchus and lung	15	2.3	5
6	C91-C96	Leukemia	15	2.3	5
7	C61	Prostate	13	2.0	4.3
8	C53	Cervix	11	1.7	3.6
9	C81-C85	Lymphoma	10	1.5	3.3
10	C15	Oesophagus	9	1.4	3.2
All sites			715	98.4	100.0

Matara

Rank	ICD code and site		Cases	CR	%
1	C50	Breast	58	6.7	13.2
2	C73	Thyroid	52	6.0	11.8
3	C00-C06	Lip, tongue and mouth	46	5.3	10.5
4	C18-C20	Colon and rectum	36	4.2	8.2
5	C90	Multiple myeloma	20	2.3	5
6	C15	Oesophagus	19	2.2	4.9
7	C56	Ovary	16	1.9	3.6
8	C53	Cervix	16	1.9	3.6
9	C81-C85	Lymphoma	15	1.7	3.4
10	C64	Kidney	14	1.6	3.2
All sites			440	51.0	100.0

Northern Province

Jaffna

Rank	ICD code and site	Cases	CR	%
1	C73 Lip, tongue and mouth	113	18.3	14.4
2	C50 Breast	94	15.2	12
3	C00-C06 Pharynx	64	10.4	8.1
4	C 73 Thyroid	56	9.1	7.1
5	C15 Oesophagus	48	7.8	6.1
6	C18-C20 Colon and rectum	47	7.6	6
7	C60 Prostate	31	5.0	3.9
8	C56 Ovary	31	5.0	3.9
9	C22 Liver	26	4.2	3.3
10	C16 Stomach	20	3.2	2.5
All sites		786	127.3	100.0

Kilinochchi

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip, tongue and mouth	12	9.3	15
2	C73 Thyroid	9	7.0	11.3
3	C09-C14 Pharynx	7	5.4	8.8
4	C15 Oesophagus	6	4.7	7.5
5	C53 Cervix	6	4.7	7.5
6	C33-C34 Trachea, lung bronchus	5	3.9	6.3
7	C50 Breast	5	3.9	6.3
8	C91-C96 Leukemia	5	3.9	6.3
9	C32 Larynx	4	3.1	5
10	C16 Stomach	3	2.3	4.3
All sites		80	62.1	100.0

Mannar

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip, tongue and mouth	6	5.4	13
2	C50 Breast	6	5.4	13
3	C73 Thyroid	4	3.6	8.7
4	C47-C49 Connective tissue	4	3.6	8.7
5	C56 Ovary	4	3.6	8.7
6	C54-C55 Uterus	3	2.7	6.3
7	C50 Cervix	2	1.8	4.3
8	C91-C96 Leukemia	2	1.8	4.3
9	C32 Larynx	2	1.8	4.3
10	C16 Bladder	1	0.9	2.1
All sites		46	41.6	100.0

Mullaitivu

Rank	ICD code and site		Cases	CR	%
1	C00-C06	Lip, tongue and mouth	10	10.3	16.7
2	C53	Cervix	6	6.2	10
3	C09-C14	Pharynx	5	5.2	8.7
4	C50	Breast	4	4.1	6.7
5	C18-C20	Colon and rectum	3	3.6	5
6	C73	Thyroid	3	3.1	5
7	C61	Prostate	2	2.1	3.3
8	C15	Oesophagus	2	2.1	3.3
9	C32	Larynx	2	2.1	3.3
10	C25	Pancreas	2	2.1	3.3
All sites			60	61.9	100.0

Vavuniya

Rank	ICD code and site		Cases	CR	%
1	C00-C06	Lip, tongue and mouth	13	6.9	23.6
2	C50	Breast	5	2.6	9.1
3	C53	Cervix	3	1.6	5.5
4	C54-C55	Uterus	3	1.6	5.5
5	C73	Thyroid	3	3.6	5.5
6	C70-C72	Brain and nervous system	3	1.6	5.5
7	C32	Larynx	3	1.6	5.5
8	C09-C14	Pharynx	2	1.1	3.6
9	C81-85	Lymphoma	2	1.1	3.6
10	C23-24	Gallbladder	2	1.1	3.6
11	C43-C44	Skin	2	1.1	3.6
All sites			55	29.1	100.0

Eastern Province

Ampara

Rank	ICD code and site		Cases	CR	%
1	C50	Breast	32	4.4	13.1
2	C73	Thyroid	30	4.1	12.2
3	C00-C06	Lip, tongue and mouth	20	2.7	8.2
4	C33-C34	Trachea, bronchus and lung	20	2.7	8.2
5	C18-20	Colon and Rectum	19	3.6	7.8
6	C81-C85	Lymphoma	11	1.5	4.5
7	C91-C96	Leukemia	11	1.5	4.5
8	C53	Cervix	10	1.4	4.1
9	C32	Larynx	9	1.2	3.7
10	C47-C48	Connective tissue and soft tissue	7	1.0	2.9
All sites			245	33.6	100.0

Batticaloa

Rank	ICD code and site		Cases	CR	%
1	C50	Breast	53	9.2	12.4
2	C67	Bladder	27	4.7	6.3
3	C15	Oesophagus	25	4.3	5.9
4	C33-C34	Trachea, bronchus and lung	25	4.3	5.9
5	C32	Larynx	23	4.0	5.4
6	C53	Cervix	22	3.8	5.2
7	C73	Thyroid	21	3.7	4.9
8	C18-C20	Colon and rectum	20	3.5	4.7
9	C81-C85	Lymphoma	19	3.3	4.4
10	C00-C06	Lip tongue and mouth	14	2.4	3.3
All sites			427	74.3	100.0

Trincomalee

Rank	ICD code and site		Cases	CR	%
1	C00-C06	Lip, Tongue and Mouth	21	4.9	17.4
2	C73	Thyroid	16	3.8	13.2
3	C50	Breast	16	3.8	13.2
4	C53	Cervix	8	1.9	6.6
5	C91-C96	Leukemia	5	1.2	4.1
6	C54-C55	Uterus	4	0.9	3.3
7	C50	Brain and nervous system	4	0.9	3.3
8	C09-C14	Pharynx	4	0.9	3.3
9	C81-C85	Lymphoma	3	0.7	2.2
10	C33-C34	Trachea, bronchus and lung	3	0.7	2.2
All sites			121	28.4	100.0

North Western Province

Kurunegala

Rank	ICD code and site		Cases	CR	%
1	C50	Breast	227	13.2	14.2
2	C73	Thyroid	142	8.2	8.9
3	C00-C06	Lip, tongue, mouth	130	7.5	8.1
4	C15	Oesophagus	122	7.1	7.6
5	C18-C20	Colon and Rectum	108	6.3	6.8
6	C53	Cervix	73	4.2	4.6
7	C91-C96	Leukemia	71	4.1	4.4
8	C33-C34	Trachea, bronchus, lung	67	3.9	4.2
9	C32	Larynx	55	3.2	3.4
10	C56	Ovary	54	3.1	3.4
All sites			1598	92.9	100.0

Puttalam

Rank	ICD code and site		Cases	CR	%
1	C00-C06	Lip, Tongue and Mouth	68	8.2	13.3
2	C50	Breast	65	7.8	12.7
3	C73	Thyroid	44	5.3	8.4
4	C91-96	Leukemia	32	3.8	6.3
5	C18-C20	Colon and Rectum	30	3.6	5.9
6	C53	Cervix	24	2.9	4.7
7	C56	Ovary	20	2.4	3.9
8	C81-85	Lymphoma	18	2.2	3.5
9	C33-C34	Trachea, bronchus and lung	17	2.0	3.3
10	C32	Larynx	16	1.9	3.1
All sites			512	61.6	100.0

North Central Province

Anuradhapura

Rank	ICD code and site	Cases	CR	%
1	C09-C14 Thyroid	48	5.1	18.7
2	C00-C06 Lip, Tongue and Mouth	31	3.3	12.1
3	C53 Cervix	26	2.8	10.1
4	C50 Breast	20	2.1	7.8
5	C91-C95 Leukemia	13	1.4	5.1
6	C33-C34 Trachea, bronchus and lung	13	1.4	5.1
7	C56 Ovary	12	1.3	4.7
8	C81-85 Lymphoma	9	1.0	3.5
9	C18-C20 Colon and Rectum	9	1.0	3.5
10	C15 Oesophagus	8	0.9	3.1
All sites		257	27.4	100.0

Polonnaruwa

Rank	ICD code and site	Cases	CR	%
1	C09-C14 Thyroid	76	17.3	19.6
2	C00-C06 Lip, Tongue and Mouth	60	13.6	15.5
3	C53 Breast	49	11.1	12.7
4	C33-C34 Trachea, bronchus and lung	31	7.1	8
5	C56 Ovary	22	5.0	5.7
6	C18-C20 Colon and Rectum	20	4.5	5.2
7	C15 Oesophagus	18	4.1	4.7
8	C53 Cervix	15	3.4	3.9
9	C67 Bladder	11	2.5	2.8
10	C54-C55 Uterus	10	2.3	2.6
All sites		387	88.0	100.0

Uva Province

Badulla

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip, Tongue and Mouth	106	12.0	15.5
2	C50 Breast	81	9.2	11.9
3	C18-C20 Colon and rectum	62	7.0	9.1
4	C73 Thyroid	46	5.2	6.7
5	C15 Oesophagus	41	4.7	6.0
6	C33-C34 Trachea, bronchus and lung	38	4.3	5.6
7	C32 Ovary	30	3.4	4.4
8	C81-85 Lymphoma	28	3.2	4.1
9	C32 Larynx	27	3.1	4.0
10	C61 Prostate	21	2.4	3.1
All sites		683	77.6	100.0

Moneragala

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip, Tongue and Mouth	106	12.0	15.5
2	C50 Breast	81	9.2	11.9
3	C18-C20 Colon and Rectum	62	7.0	9.1
4	C73 Thyroid	46	5.2	6.7
5	C15 Oesophagus	41	4.7	6
6	C33-C34 Trachea, bronchus and lung	38	4.3	5.6
7	C56 Ovary	30	3.4	4.4
8	C81-C85 Lymphoma	28	3.2	4.1
9	C53 Cervix	27	3.1	4
10	C61 Postate	21	2.4	3.1
All sites		683	77.6	100.0

Sabaragamuwa Province

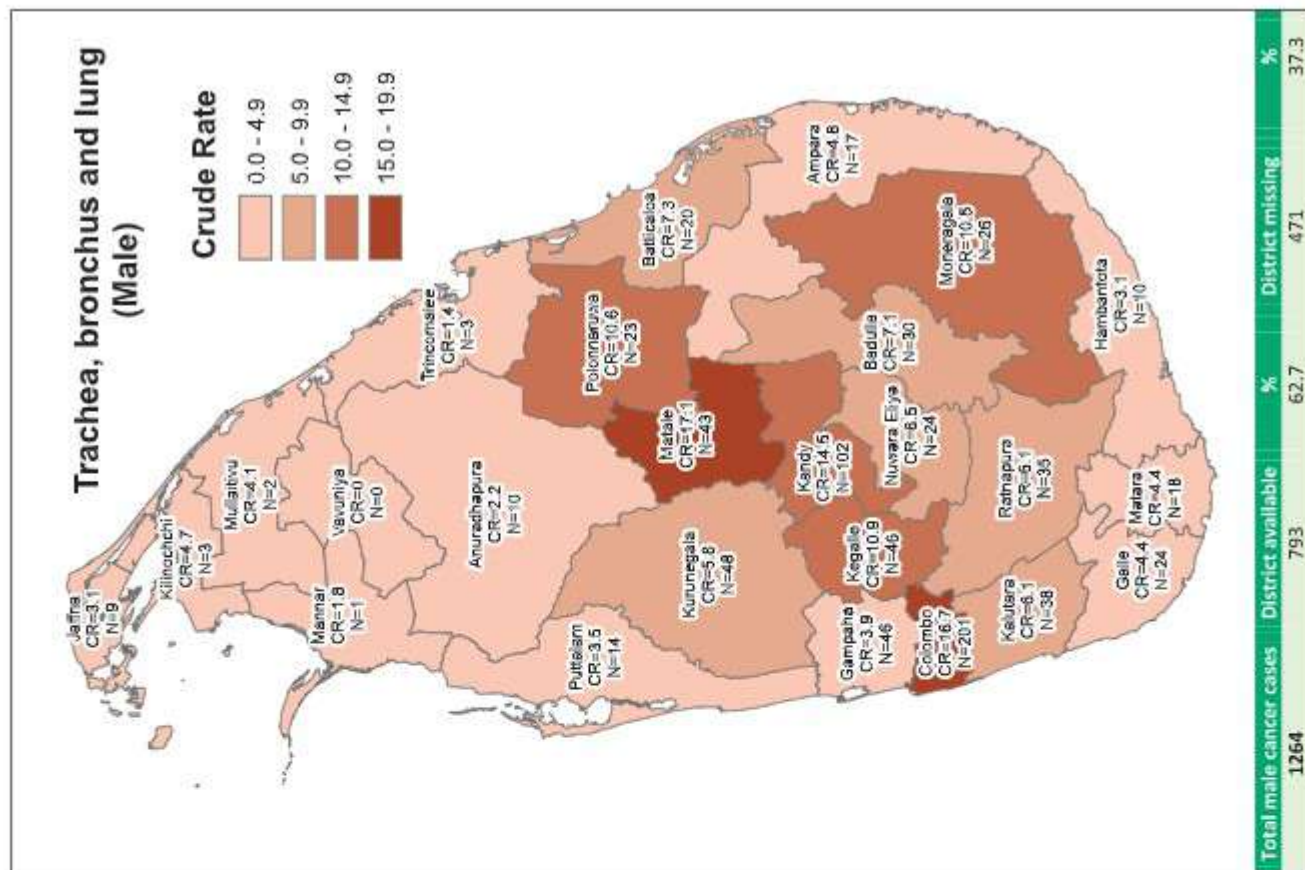
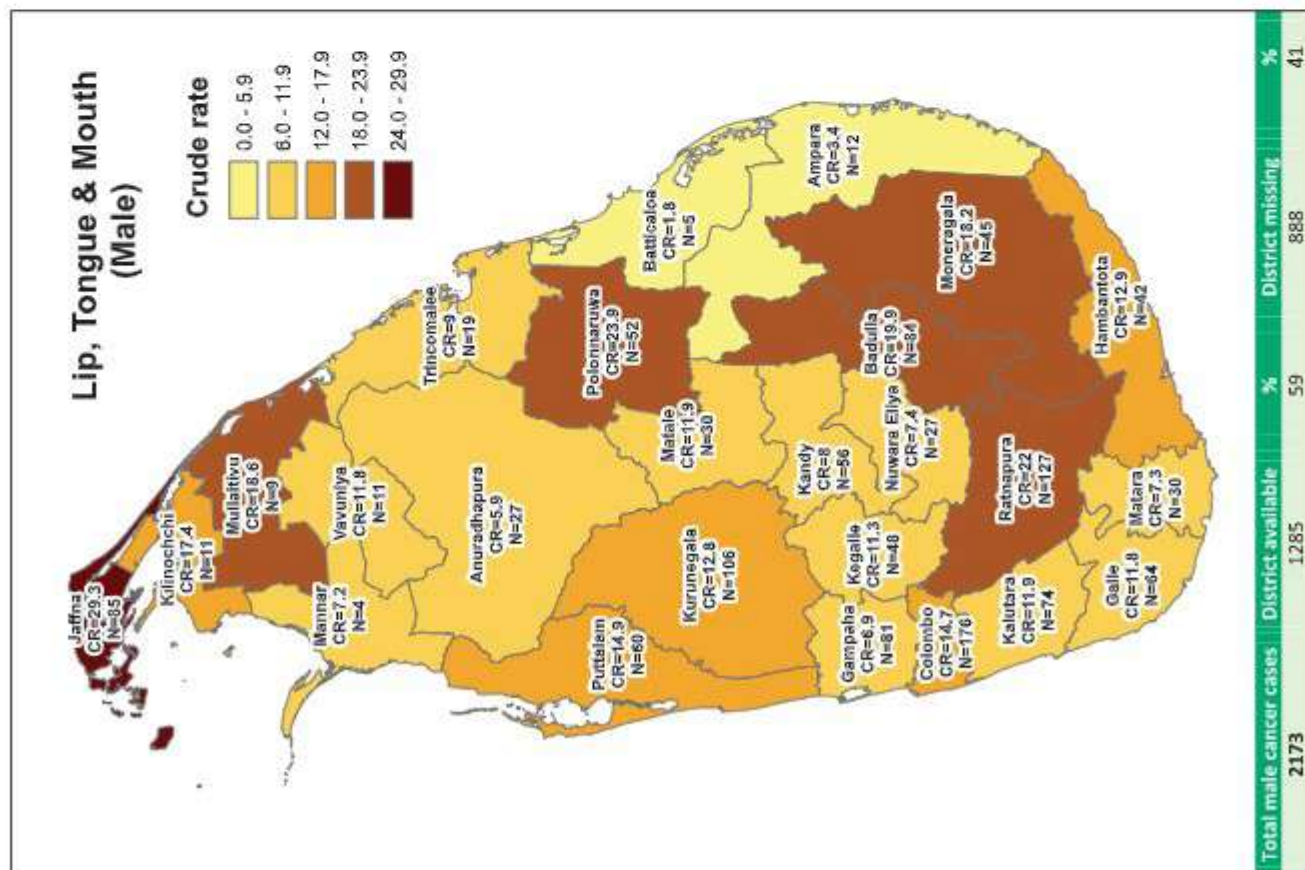
Kegalle

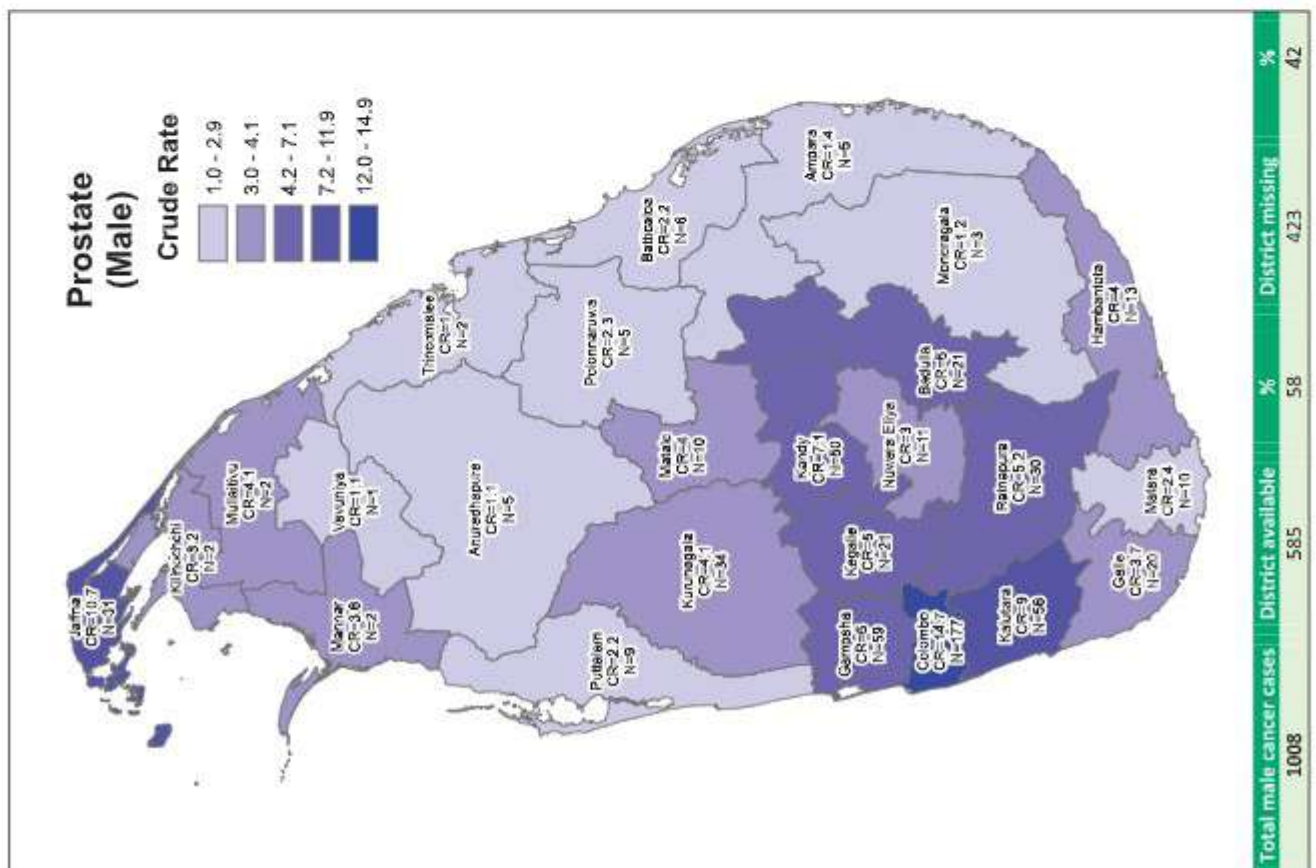
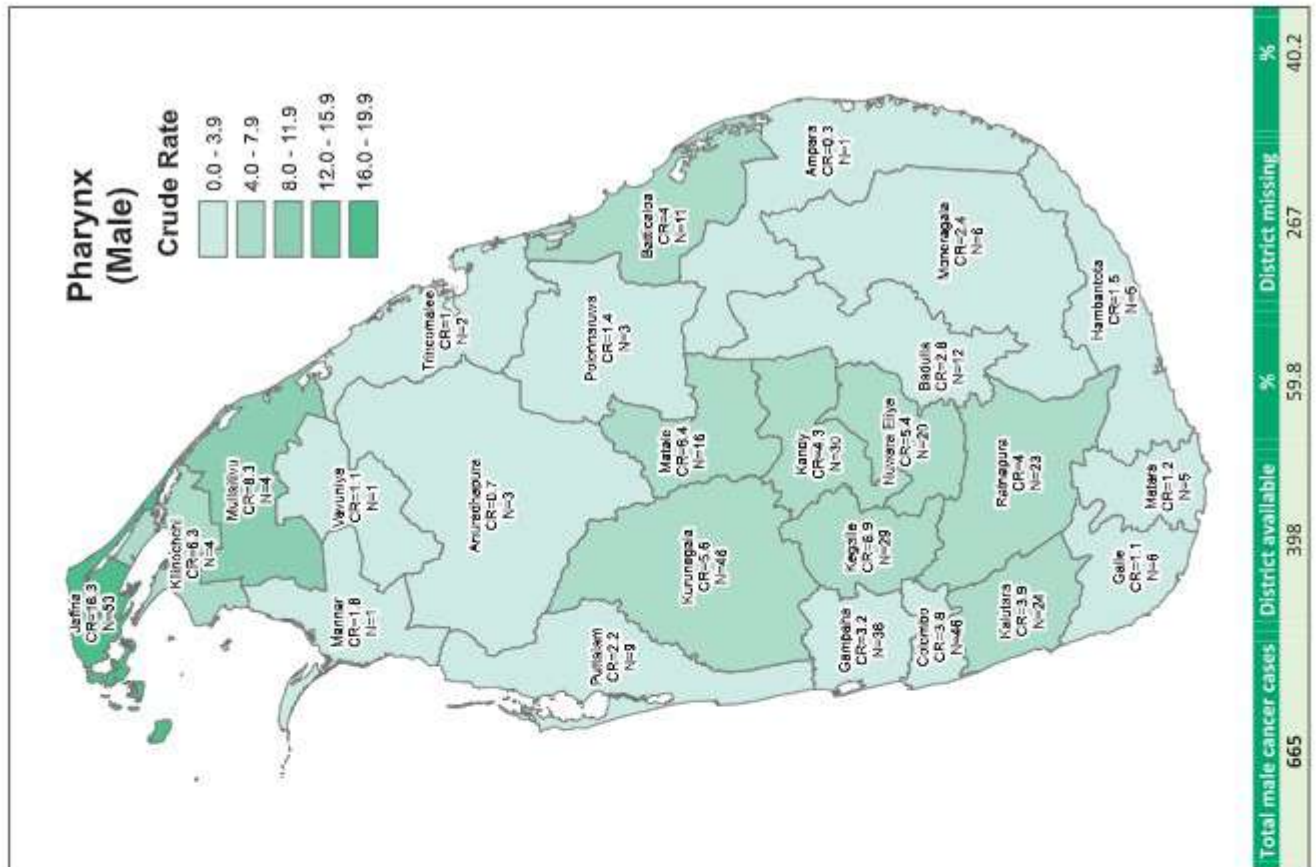
Rank	ICD code and site	Cases	CR	%
1	C50 Breast	102	11.5	15.5
2	C73 Thyroid	65	7.3	11.9
3	C15 Oesophagus	59	6.6	7.4
4	C18-C20 Colon and Rectum	59	6.6	7.4
5	C33-C34 Trachea, bronchus and lung	58	6.5	7
6	C00-C06 Lip, Tongue and Mouth	54	6.1	6.8
7	C81-C85 Lymphoma	34	3.8	4.3
8	C53 Cervix	27	3.0	3.4
9	C56 Ovary	25	2.8	3.1
10	C32 Larynx	22	2.5	2.8
All sites		800	90.2	100.0

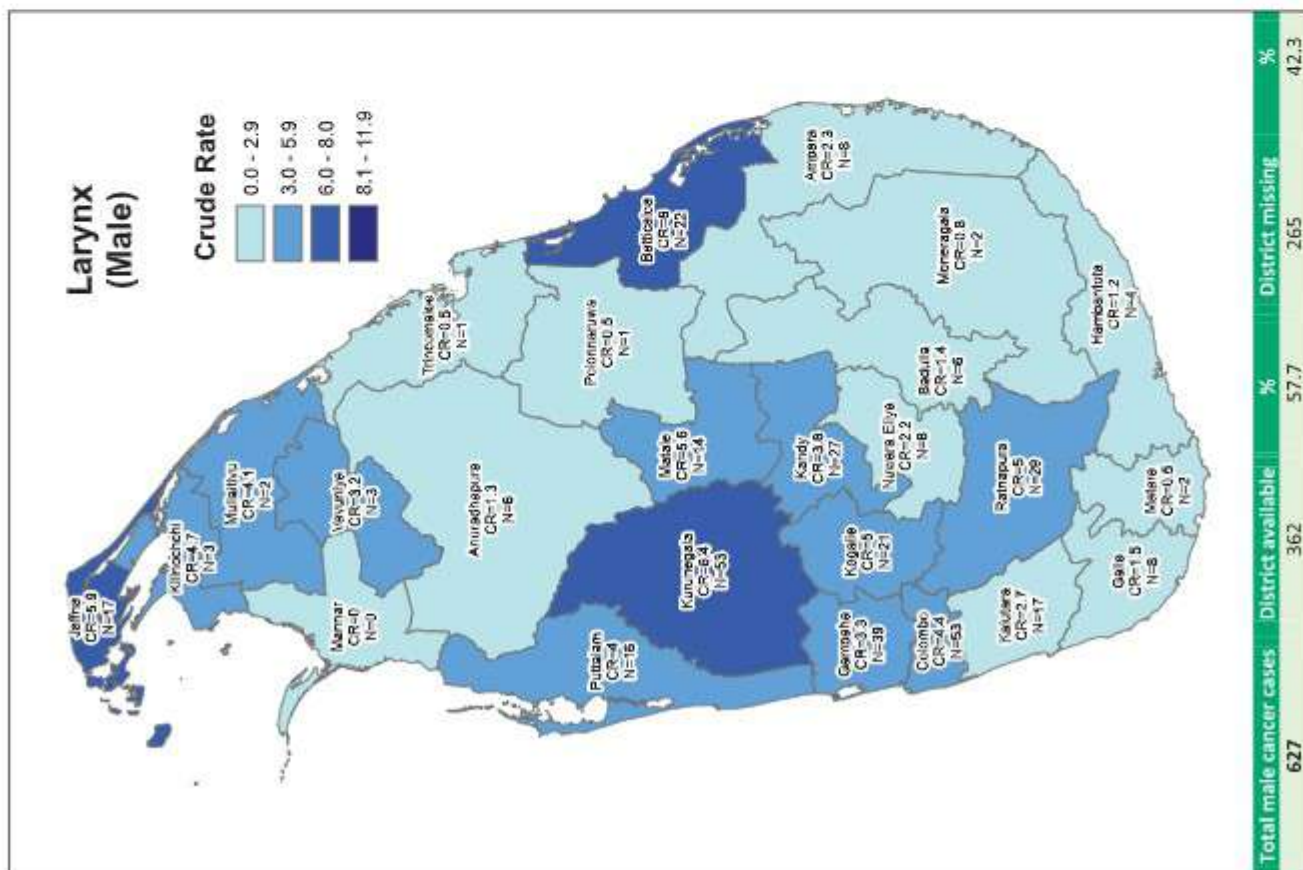
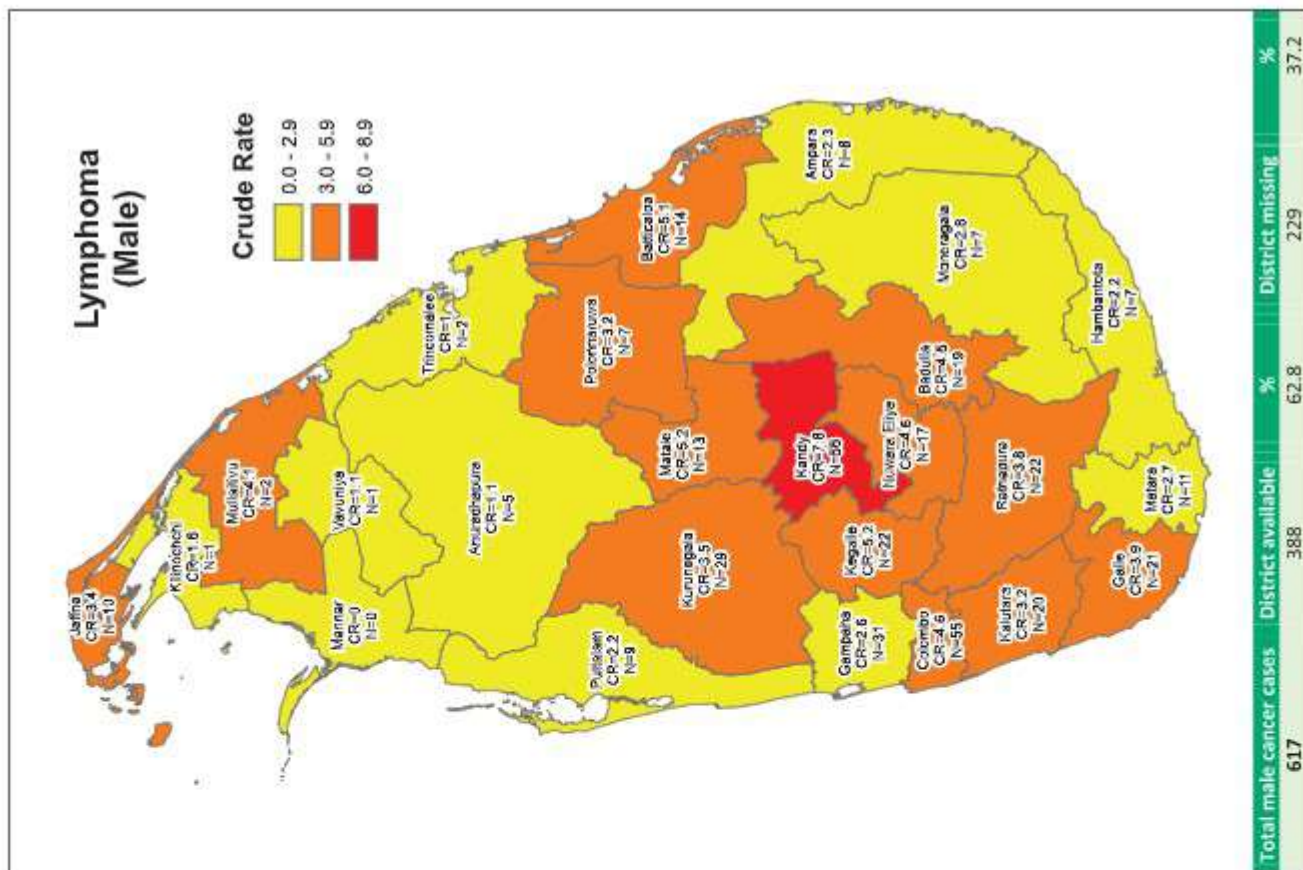
Ratnapura

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip, Tongue and Mouth	160	13.7	14.1
2	C50 Breast	148	12.6	13
3	C73 Thyroid	115	9.8	10.1
4	C18-C20 Colon and Rectum	81	6.9	7.1
5	C33-C34 Trachea, bronchus and lung	47	4.0	4.1
6	C53 Cervix	47	4.0	4.1
7	C81-C85 Lymphoma	36	3.1	3.2
8	C90 Multiple Myeloma	34	2.9	3
9	C32 Larynx	32	2.7	2.8
10	C32 Ovary	31	2.6	2.7
All sites		1136	97.0	100.0

Figure 59: Cancer incidence data by districts among males in Sri Lanka, 2019







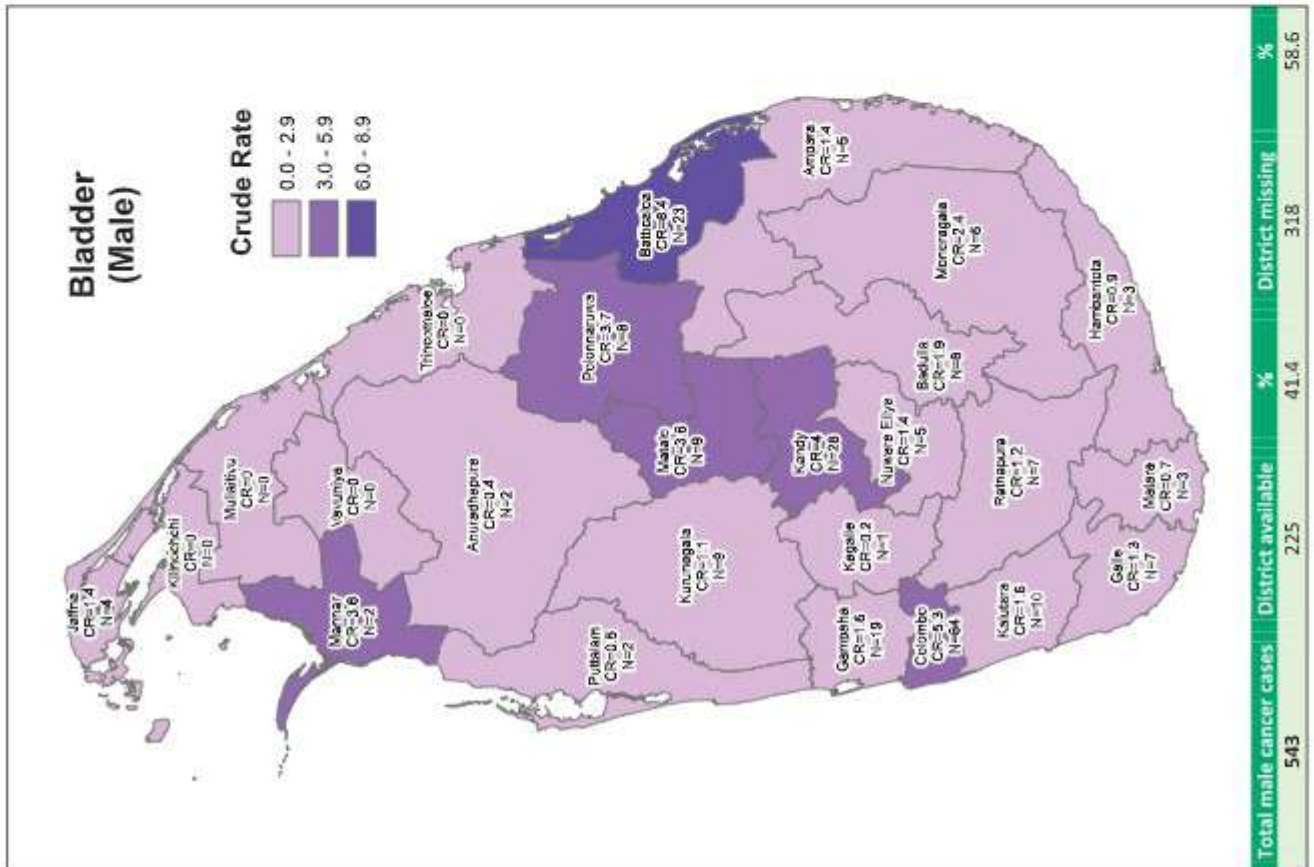
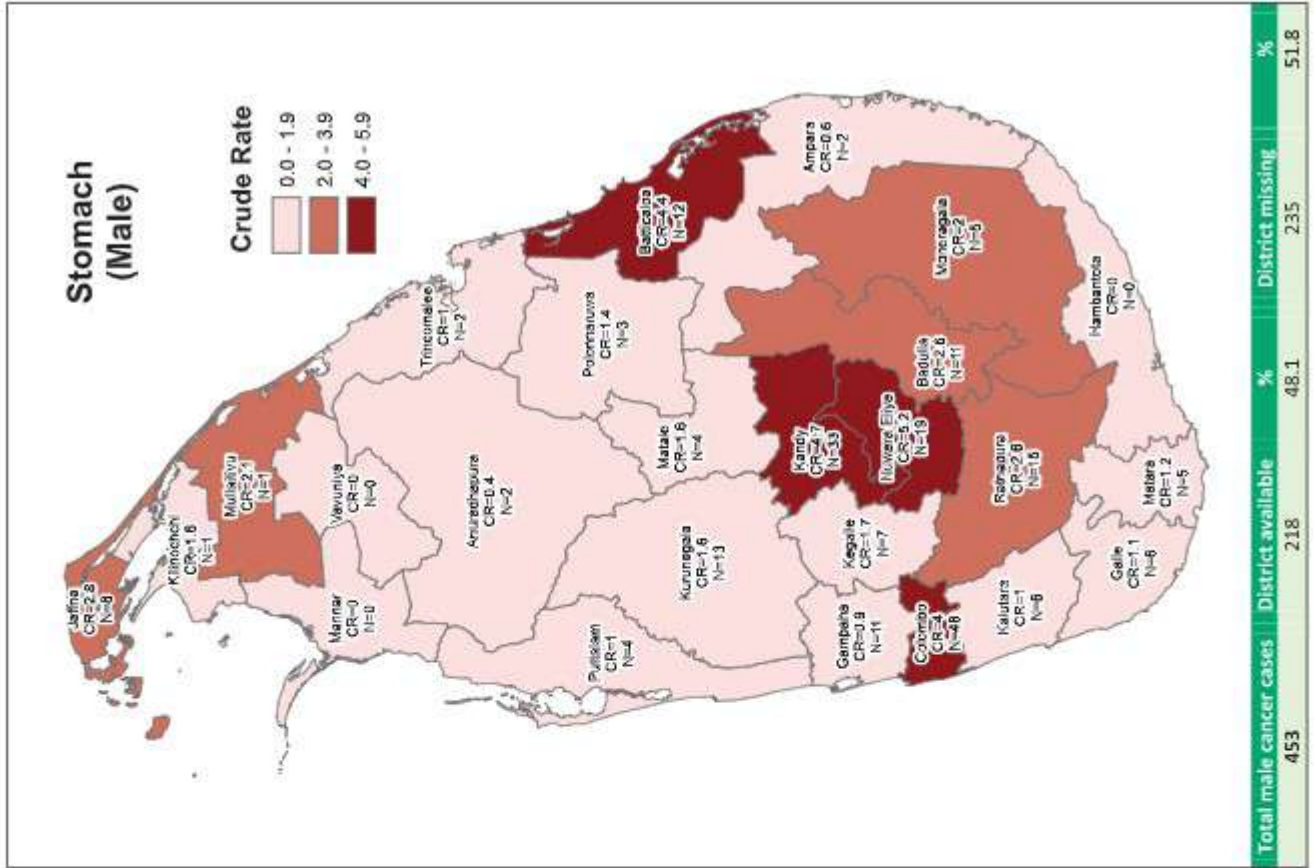
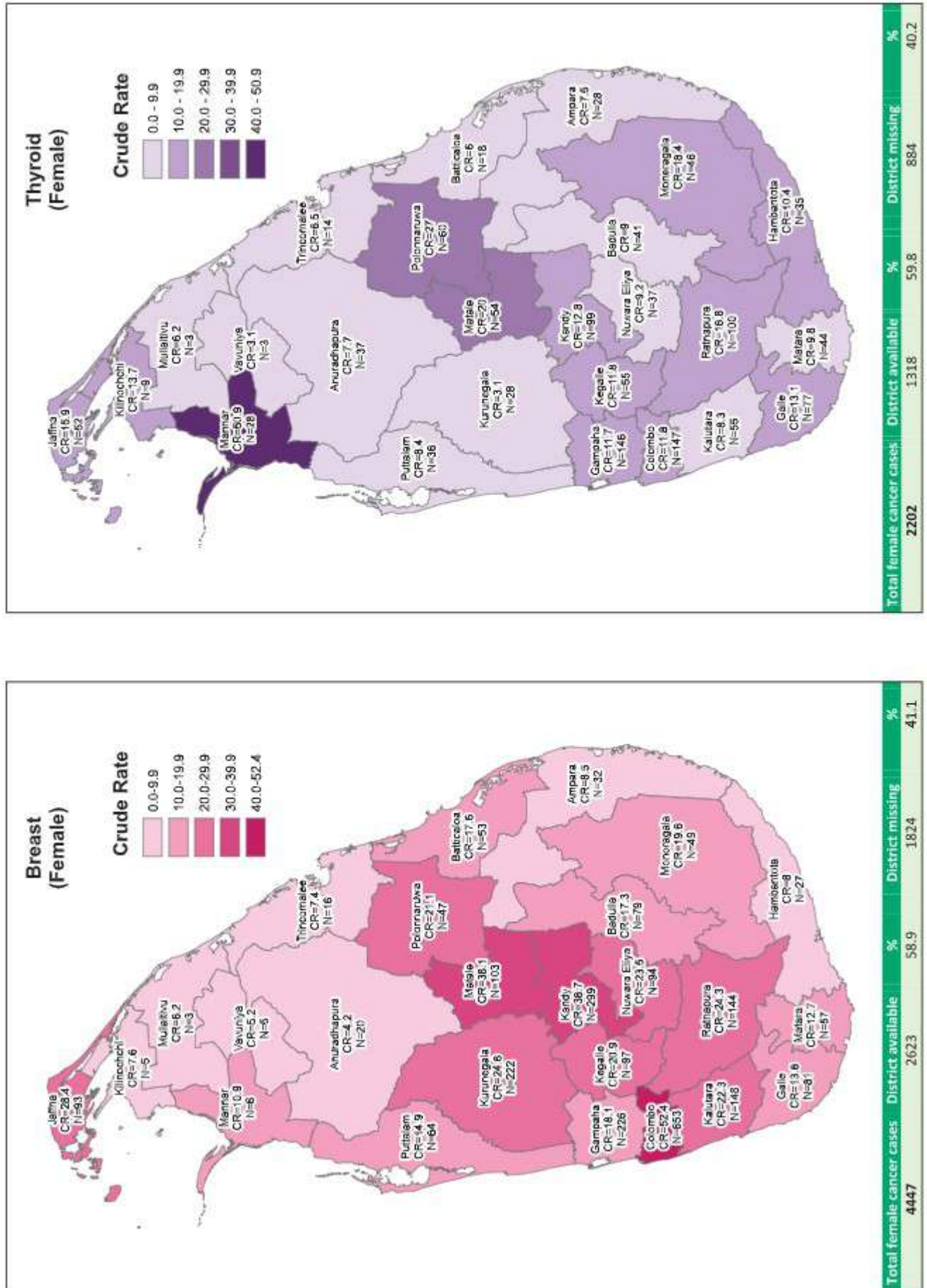
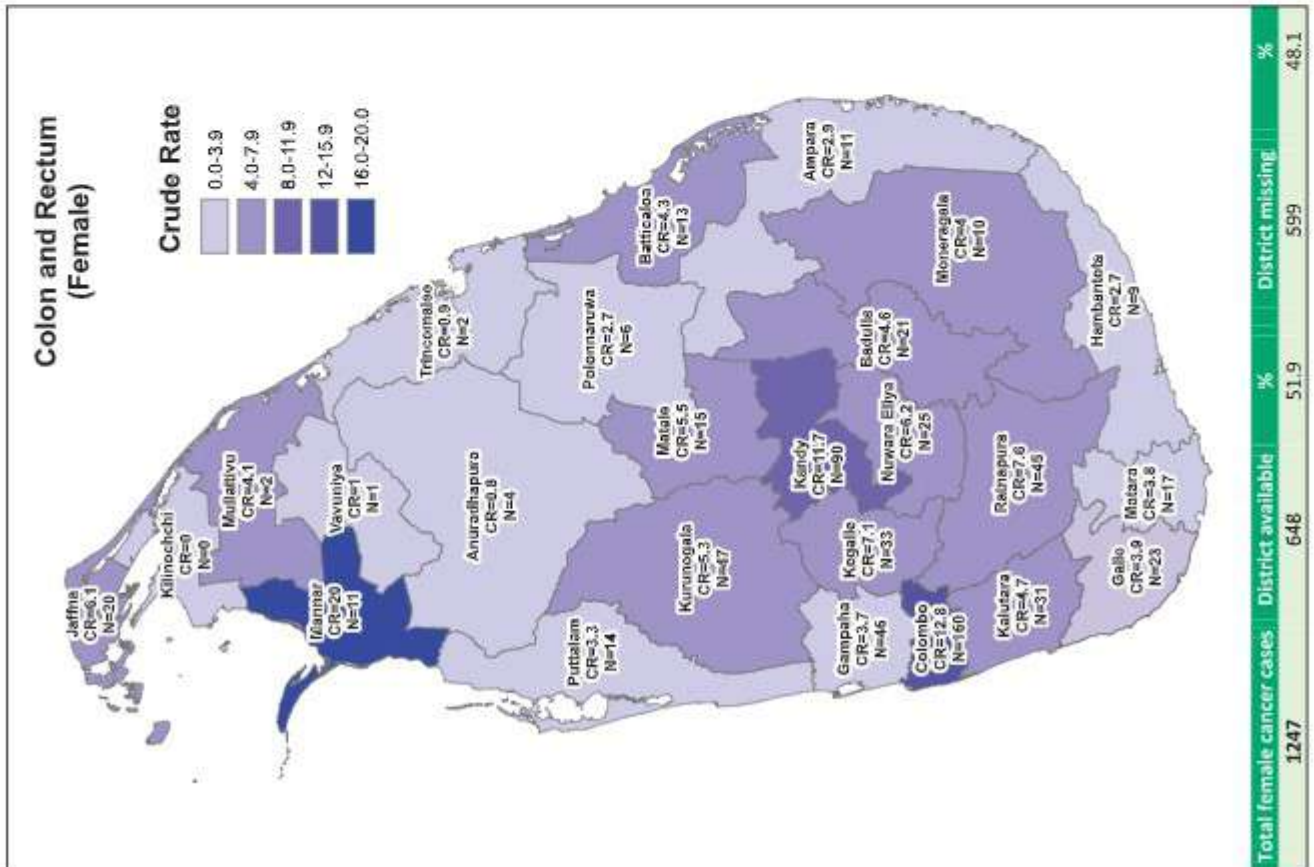
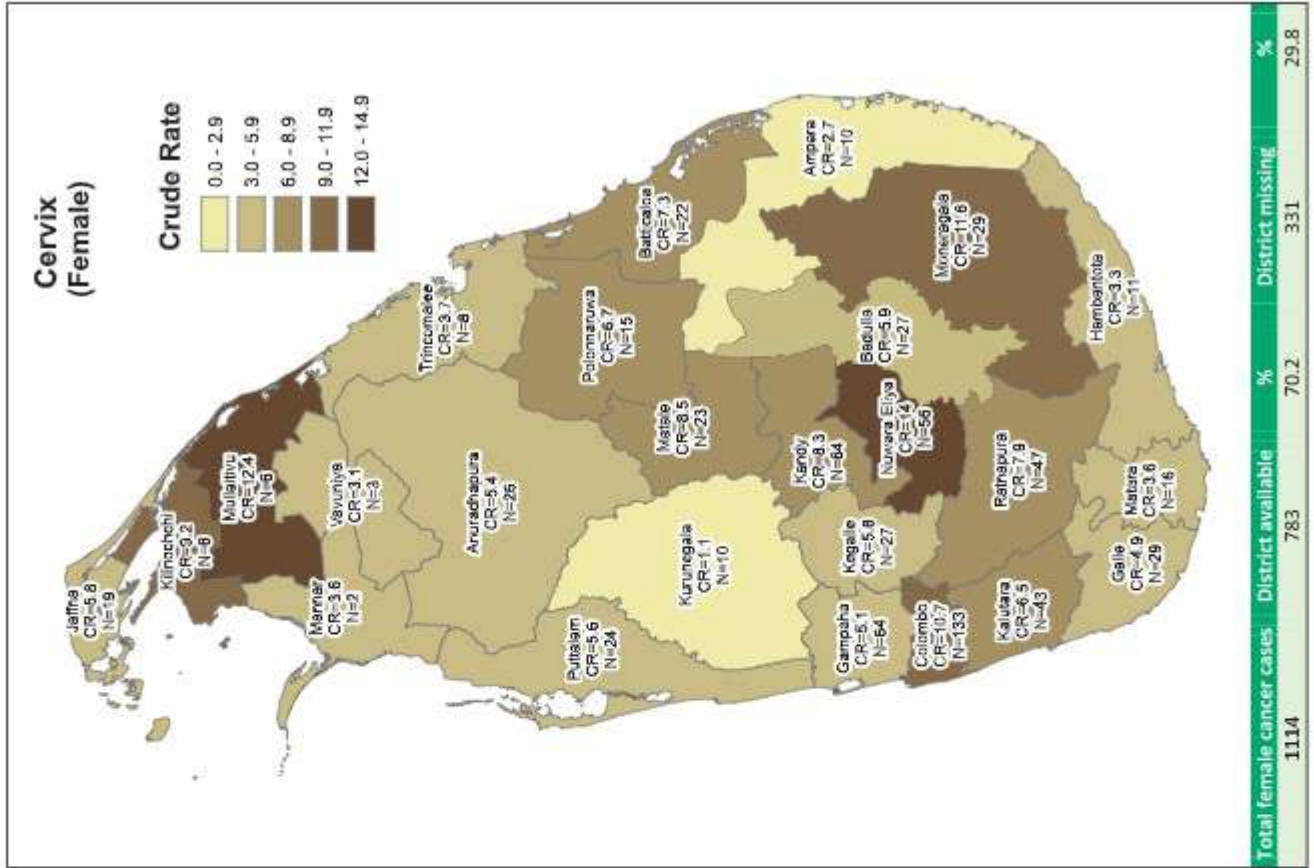
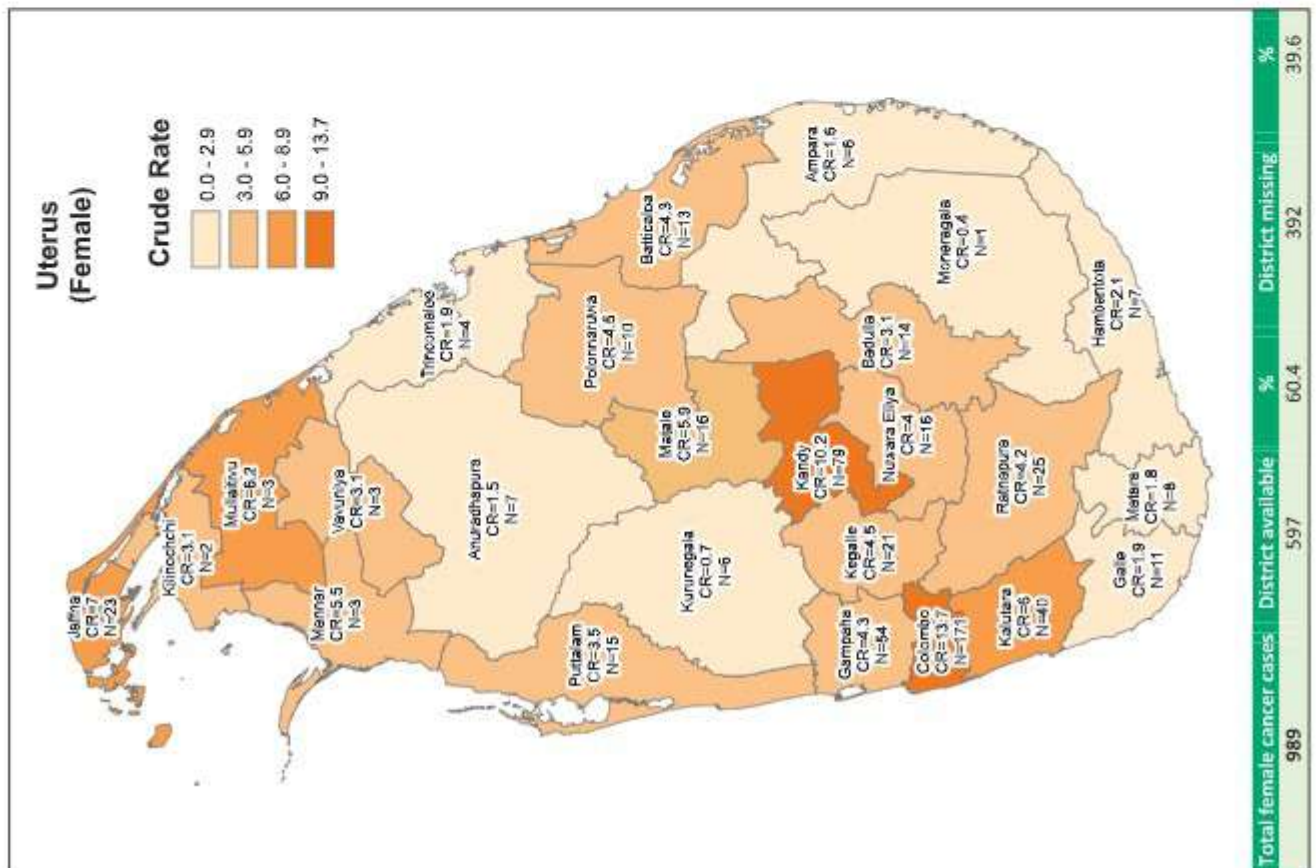
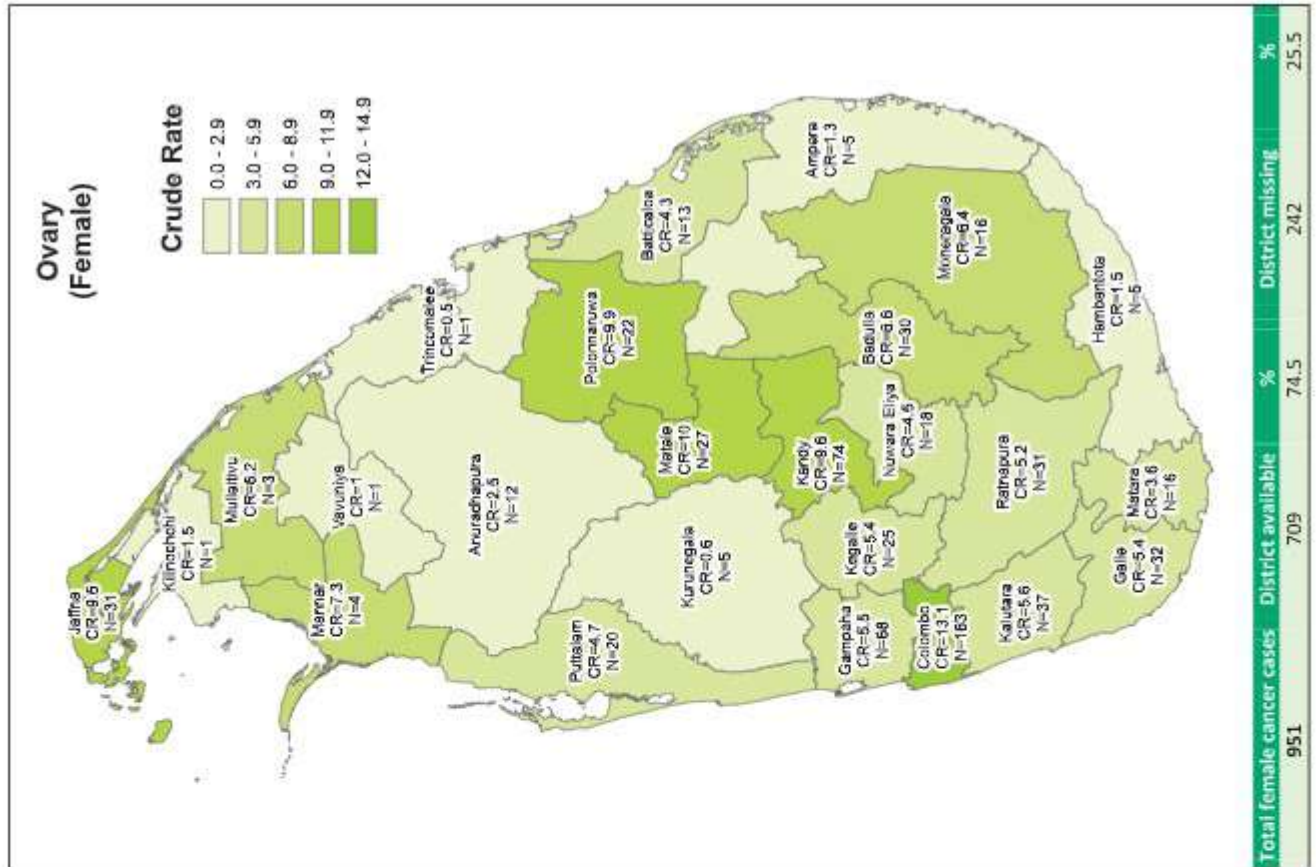
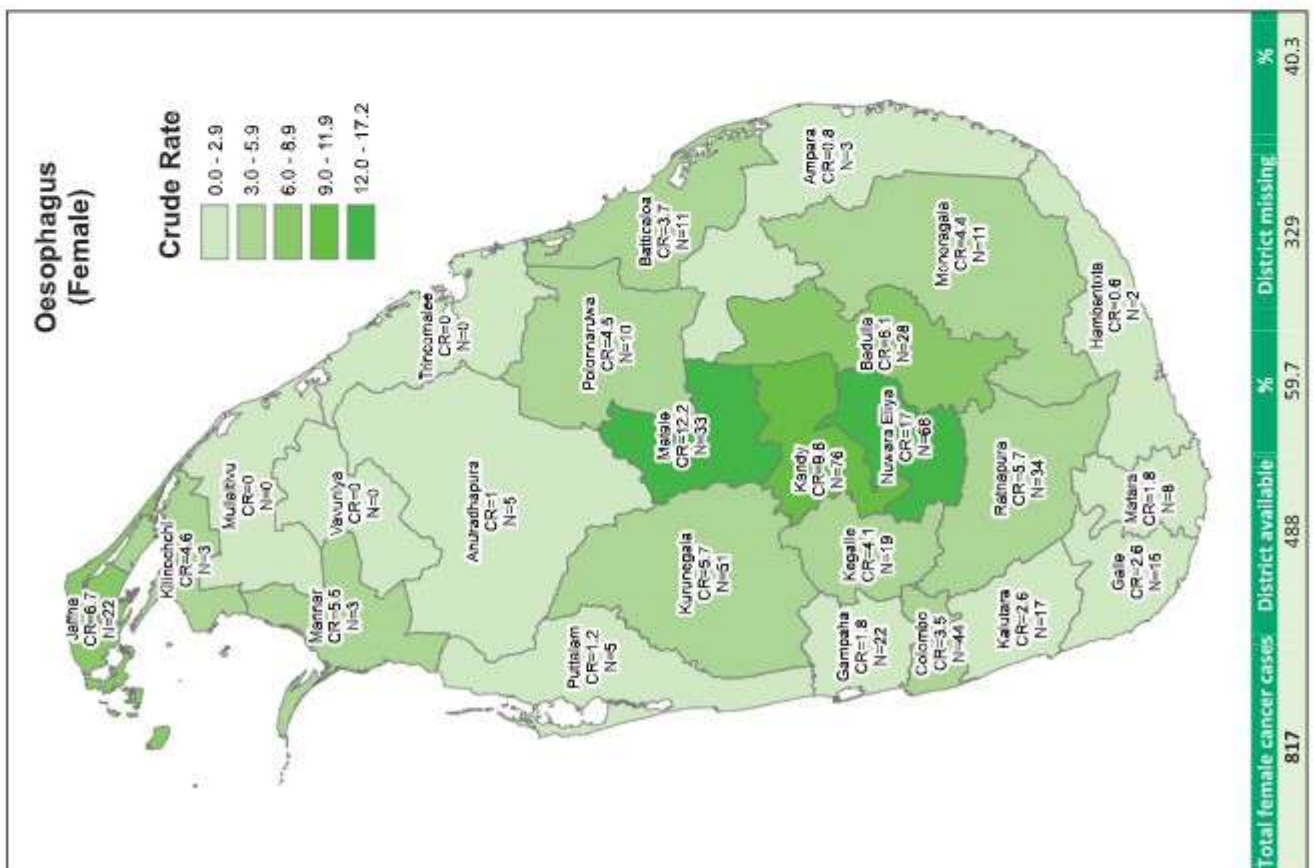
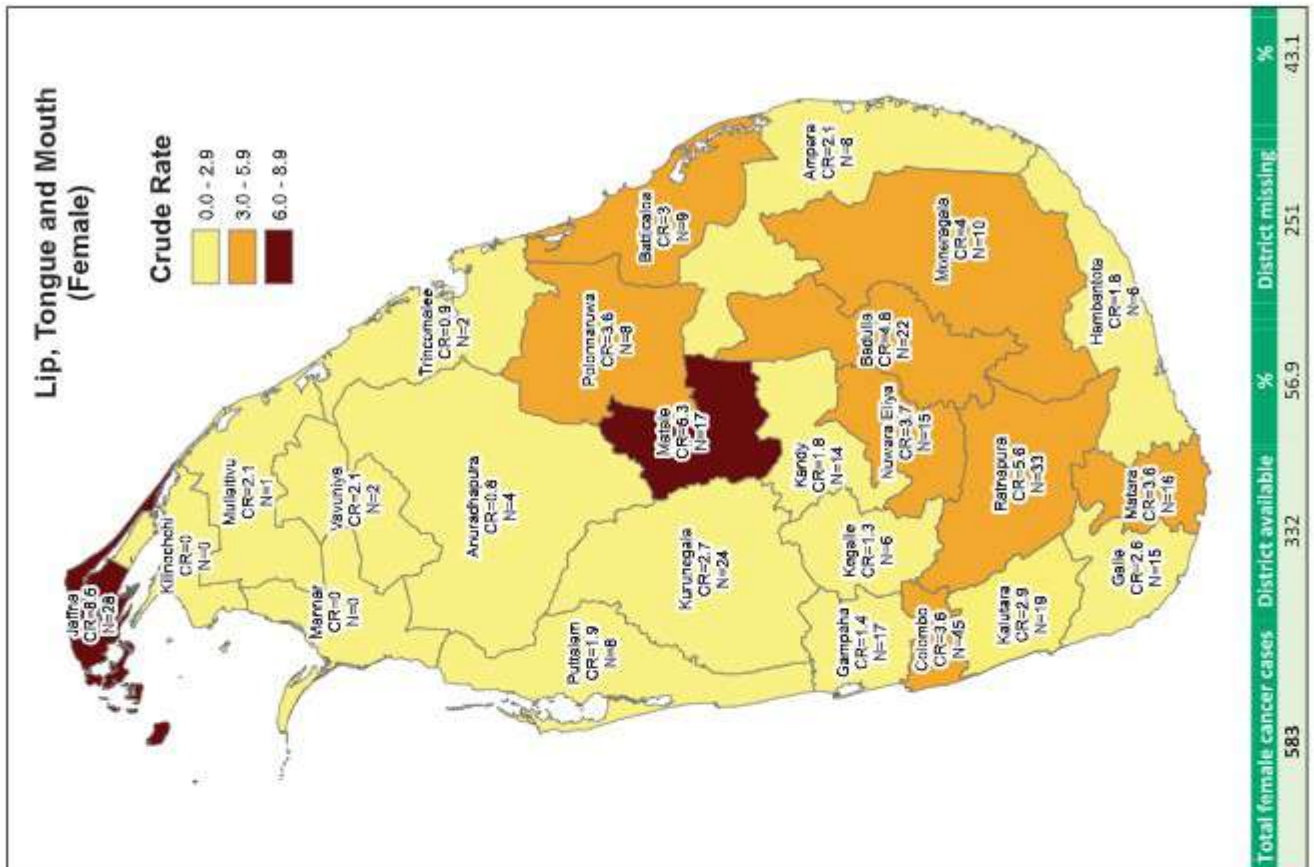


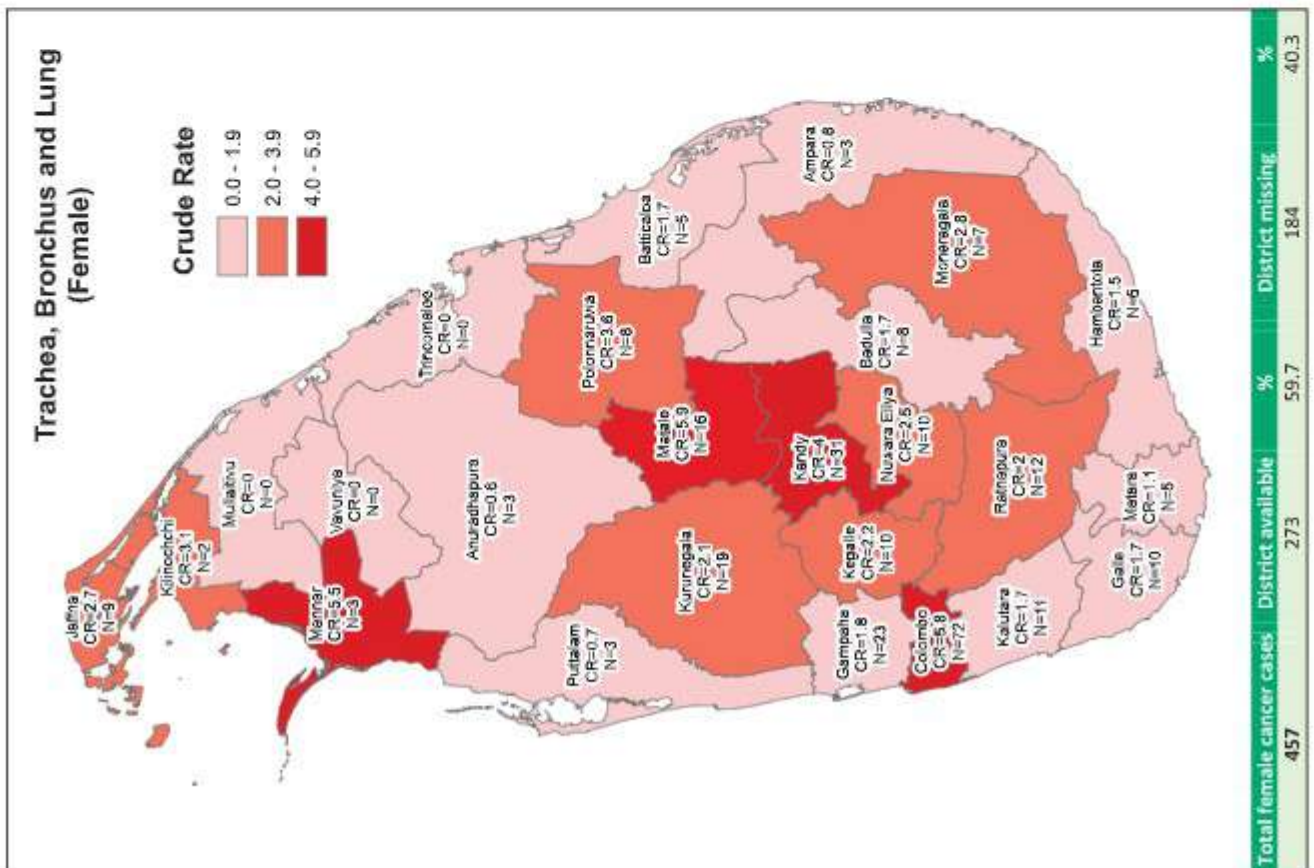
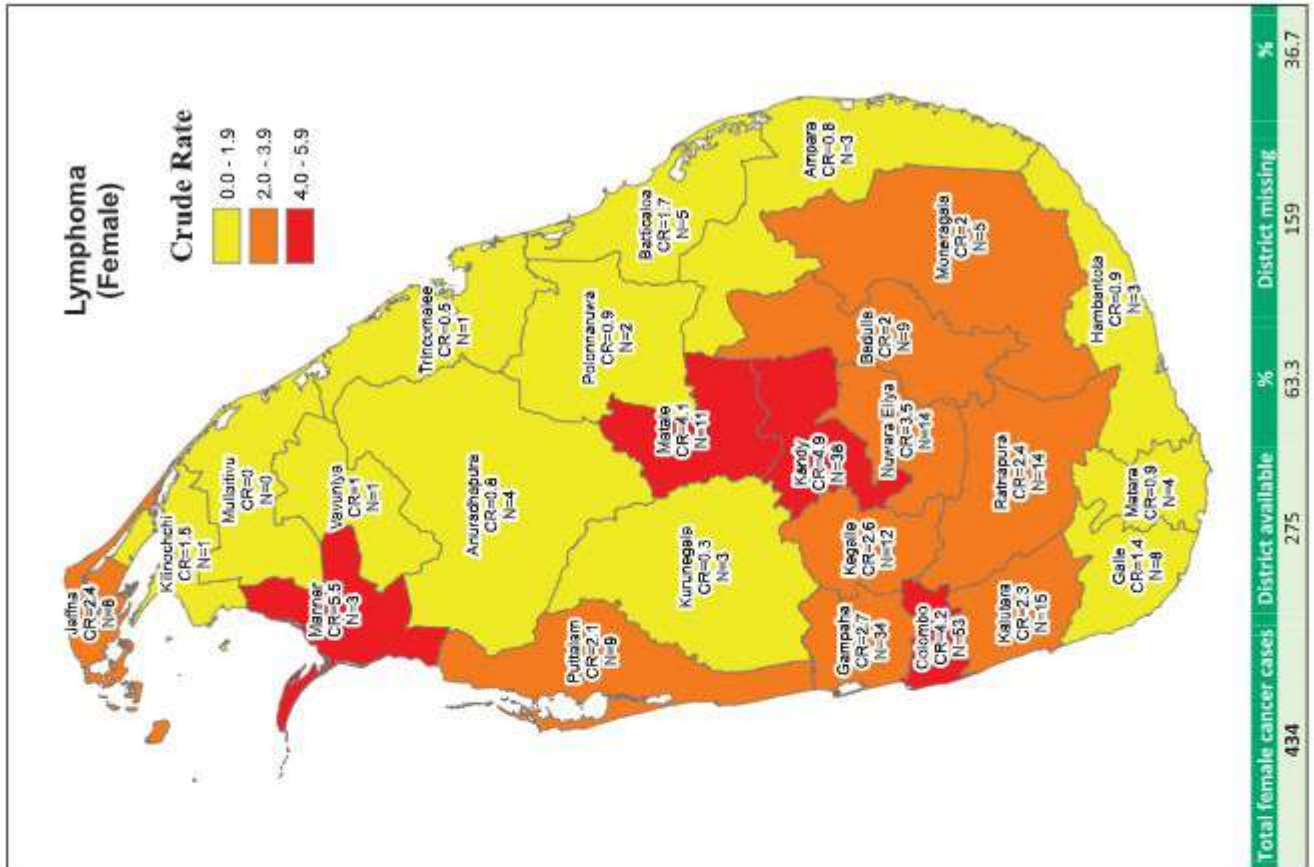
Figure 60: Cancer incidence data by districts among females in Sri Lanka, 2019











Cancer Mortality Data in Sri Lanka

Mortality data due to cancers were obtained through Annual Health Bulletin of Ministry of Health based on Indoor Morbidity Mortality Return (IMMR).

Cause of death data reported to vital registration system of Sri Lanka for year 2019 is not published by the Registrar General Department or Department of Census and Statistics yet. Therefore, total number of cancer deaths or number of cancer deaths according to ICD-10 site is not available currently.

Table 36: Deaths due to cancers among males & females in hospitals in Sri Lanka, 2005-2019

Year	No. of hospital deaths due to cancers		
	Male	Female	Total
2005	-	-	2753
2006	-	-	3241
2007	-	-	3498
2008	-	-	3485
2009	-	-	3774
2010	-	-	4449
2011	-	-	4631
2012	2538	1931	4519
2013	2559	1980	4539
2014	2867	2128	4995
2015	2657	2141	4798
2016	2878	2270	5148
2017	2720	2218	4938
2018	3223	2566	5789
2019	3462	2834	6296

Sources: Annual Health Bulletin 2005 to 2019

Table 37: Deaths due to cancers in hospitals, crude hospital annual death rates due to cancers and proportionate mortality ratio for cancers out of all hospital deaths in Sri Lanka, 2005-2019

Year	No. of hospital deaths due to cancers	Crude hospital annual death rate due to cancers per 100,000 population	Proportionate Mortality Ratio (PMR) out of all hospital deaths
2005	2753	14.0	8.3
2006	3241	16.3	9.9
2007	3498	17.5	10.1
2008	3485	17.2	9.8
2009	3774	18.5	10.0
2010	4449	21.5	11.1

Table 37 continued ...

Year	No. of hospital deaths due to cancers	Crude hospital annual death rate due to cancers per 100,000 population	Proportionate Mortality Ratio (PMR) out of all hospital deaths
2011	4631	22.2	11.8
2012	4519	22.2	11.6
2013	4539	22.2	11.2
2014	4995	24.0	11.7
2015	4798	22.9	11.0
2016	5148	24.3	12.0
2017	4938	23.0	10.5
2018	5789	26.7	11.7
2019	6296	28.9	11.7

Sources: Annual Health Bulletin 2005 to 2019

Table 38: Hospitalizations, hospital deaths and case fatality rate due to cancers in year 2019 by RDHS divisions in Sri Lanka

*RDHS Area	Hospital Admissions due to cancers			**Case fatality rate
	Total hospital admissions	Live hospital discharges	No. hospital deaths	
Colombo	69,255	66,728	2,527	3.65
Gampaha	4,792	4,498	294	6.14
Kalutara	2,349	2,280	69	2.94
Kandy	731	22	709	3.07
Matale	904	836	68	7.52
Nuwara Eliya	1,102	1,058	44	3.99
Galle	517	15	502	3.25
Matara	923	848	75	8.13
Hambanthota	693	655	38	5.48
Jaffna	5,830	5,659	171	2.93
Kilinochchi	456	447	9	1.97
Mullaitivu	34	31	3	8.82
Vavuniya	316	306	10	3.16
Mannar	159	153	6	3.77
Batticaloa	6,493	6,437	56	0.86
Ampara	366	334	32	8.74
Kalmunai	444	424	20	4.5
Trincomalee	1,244	1,217	27	2.17

Table 38 continued ...

*RDHS Area	Hospital Admissions due to cancers			**Case fatality rate
	Total hospital admissions	Live hospital discharges	No. hospital deaths	
Kurunegala	6,227	5,731	496	7.97
Puttalam	959	909	50	5.21
Anuradhapura	6,881	6,555	326	4.74
Polonnaruwa	874	725	149	17.05
Badulla	6,411	6,142	269	4.2
Moneragala	1,100	1,041	59	5.36
Ratnapura	5,420	5,211	209	3.86
Kegalle	1,330	1,248	82	6.17
Sri Lanka	162,998	156,702	6,296	3.86

RDHS divisions – Regional Director of health Services divisions

**Case Fatality rate = $\frac{\text{No. of hospital deaths due to cancers}}{\text{Total number of hospital admissions due to cancers}} \times 100$

Annex

Table 39: Summary details of previous publications of 'Cancer Incidence Data Sri Lanka'

Year of cancer incidence data	Data generating centres					Publication		
	Cancer Treatment Centres	Pathology laboratories	OMF units	Medical Record Rooms	Death Registrars	Total no. of centres	Volume	Year published
1985	3	--	--	--	--	3	1	1990
1986	3	--	--	--	--	3	2	1991
1987	3	--	--	--	--	3	3	1993
1990	3	--	--	--	--	3	4	1996
1995	3	--	--	--	--	3	5	2002
2000	4	--	--	--	--	4	6	2006
2001-2005	5	--	--	--	--	5	7	2009
2006	6	--	4	--	--	10	8	2012
2007	6	--	4	--	--	10	9	2013
2008	7	16	17	--	--	40	10	2014
2009	9	15	17	--	--	41	11	2015
2010	9	13	17	--	--	39	12	2016
2011	9	13	12	--	--	34	13	2018
2012	9	37	15	9	--	70	14	2020
2013	9	45	15	25	--	94	15	2020
2014	9	51	15	24	40	139	16	2020
2015	9	58	15	24	40	146	17	2021
2016	14	53	22	22	40	151	18	2021
2017	19	61	23	21	40	164	19	2021
2018	--	--	--	--	40	--	20	2021

Statistical Terminology

Population at risk

The population at risk includes all individuals susceptible to a specific cancer. It is defined on the basis of demographic variables, such as place of residence, sex, age group. Years of risk duration are counted in person-years.

Incidence

Incidence quantifies the number of new cases that develop in a population of individuals at risk during a specified time interval. Usually, it is given as per 100,000 population per year.

Mortality

Mortality is the number of deaths occurring in a given period in a specified population. It can be expressed as an absolute number of deaths per year or as a rate per 100,000 persons per year.

Crude rate

Data on incidence or mortality are often presented as rates. For a specific tumour and population, a crude rate is calculated simply by dividing the number of cancer deaths observed during a given time period by the corresponding number of person years in the population at risk. For cancer, the result is usually expressed as an annual rate per 100,000 persons at risk.

$$\text{Crude incidence rate} = \frac{\text{Total number of cases in the year}}{\text{Total midyear population at risk}} \times 100,000$$

$$\text{Crude death rate} = \frac{\text{Total number of deaths in the year}}{\text{Total midyear population at risk}} \times 100,000$$

Age-specific rate

The age-specific rate is calculated simply by dividing the number of new cancers or cancer deaths observed in a given age category during a given time period by the corresponding number of person years in the population at risk in the same age category and time period. The result is usually expressed as an annual rate per 100,000 person-years. In this publication, five-year age categories are used

$$\text{Age-specific incidence rate} = \frac{\text{Number of cases in the five-year age group}}{\text{Population at risk in the corresponding age group}} \times 100,000$$

$$\text{Age-specific death rate} = \frac{\text{Number of deaths in the five-year age group}}{\text{Population at risk in the corresponding age group}} \times 100,000$$

ASR (Age standardized rate)

An age-standardised rate (ASR) is a summary measure of the rate that a population would have if it had a standard age structure. Standardization is necessary when comparing several populations that differ with respect to age because age has a powerful influence on the risk of dying from cancer. The ASR is a weighted mean of the age-specific rates; the weights are taken from population distribution of the *standard population*. The most frequently used standard population is the *World Standard Population*. The calculated mortality rate is then called age-standardised mortality rate (world). The world standard population used within the application is as proposed by Segi (1960) and modified by Doll and *al.* (1966). The ASR is also expressed per 100,000.

Age distribution of the world standard population	
Age group	w _i
00-04	12000
05-09	10000
10-14	9000
15-19	9000
20-24	8000
25-29	8000
30-34	6000
35-39	6000
40-44	6000
45-49	6000
50-54	5000
55-59	4000
60-64	4000
65-69	3000
70-74	2000
75-79	1000
80-84	500
85+	500
Total	100000

Life time risk (Cumulative Risk)

Cumulative incidence/mortality is the probability or risk of individuals getting/dying from the disease within a specified age interval within a time period.

(The cumulative risk is the risk which an individual would have of developing the cancer under study during a certain age span if no other causes of death were in operation)

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