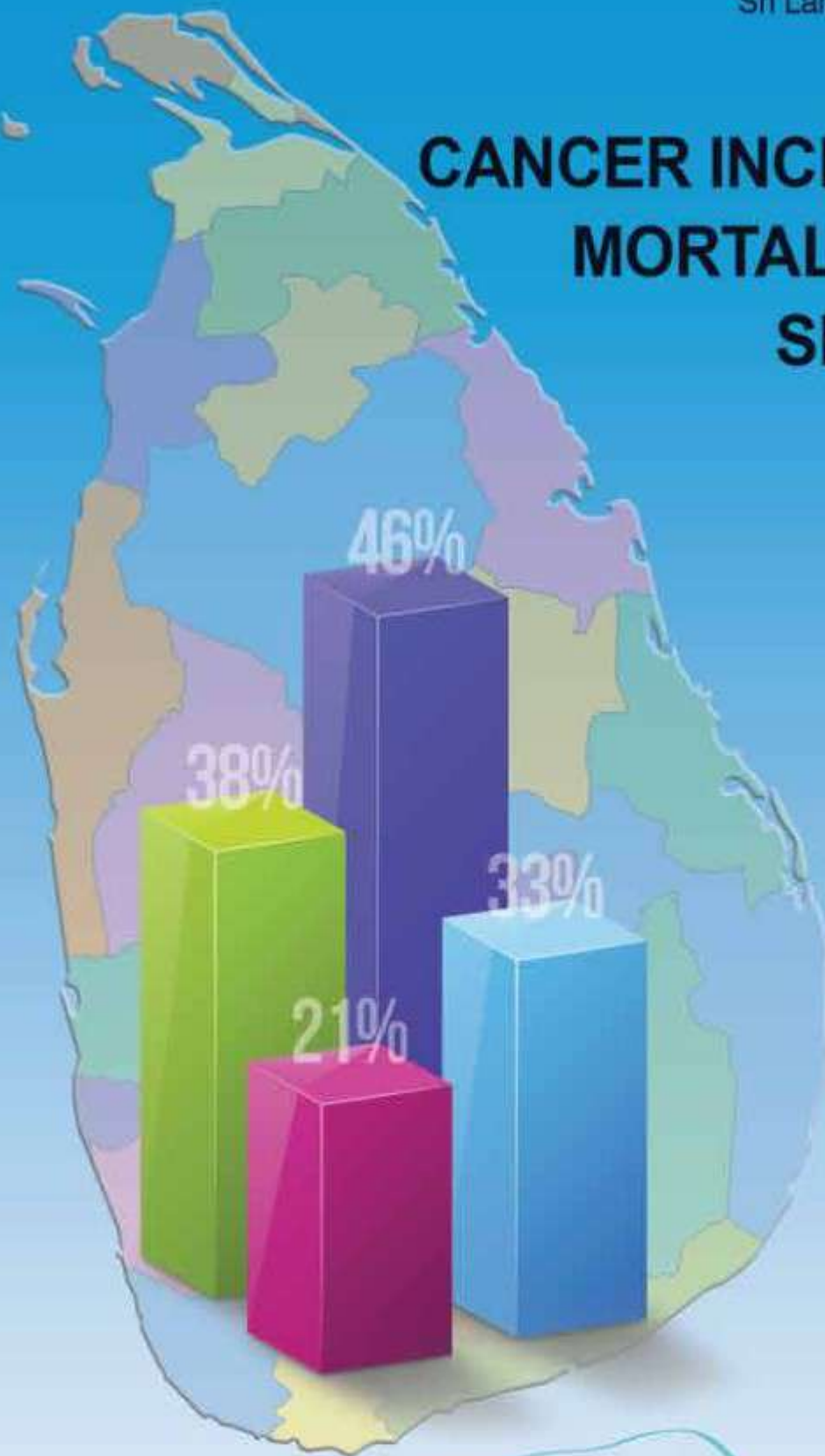


Sri Lankan Cancer Registry

18th Publication

CANCER INCIDENCE & MORTALITY DATA SRI LANKA 2016



NATIONAL CANCER CONTROL PROGRAMME
MINISTRY OF HEALTH

National Cancer Incidence and Mortality Data

Sri Lanka

2016



National Cancer Control Programme
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Elvitigala Mawatha
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Sri Lanka

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Message from the Director General of Health Services



I would like to send this message for the publication named 'National Cancer Incidence and Mortality Data Sri Lanka – 2016', published by the National Cancer Control Programme (NCCP) of Ministry of Health.

Cancer related data generated through the National Cancer Registry Programme provides most comprehensive information on burden of cancers in Sri Lanka. Therefore, it is an essential resource material for planning, implementing, monitoring and evaluation of cancer prevention and control programmes.

I appreciate the partnership of WHO Country office to clear the backlog of cancer incidence data ensuring timely publication of cancer registry data. The contributions of other stakeholder including hospital administrators, Oncology units, Oro-maxillo facial units and the pathology laboratories (histopathology, haematology, oral pathology) are also appreciated. The coordination and hard work of National Cancer Control Programme is highly appreciated.

Dr. Asela Gunawardena

Director General of Health Services

Message from Deputy Director General (Non- Communicable Diseases)



I am happy to send this message to the 18th edition of '**Cancer Incidence & Mortality Data, Sri Lanka - 2016**' published by the National Cancer Control Programme (NCCP).

Comprehensive information on burden of Non-Communicable Diseases is essential for optimizing Non Communicable Disease Control programme in the country. Since Cancer is a leading non-communicable disease, the information generated from National Cancer Registry Programme provides valuable information for directing and future planning of cancer control programme in the country.

The partnership of WHO Country office was extremely beneficial to clear the backlog of cancer incidence data enabling National Cancer Control Programme to release this publication. I hope National Cancer Control Programme will take sustainable measures to ensure timely publication of cancer incidence data.

The efforts taken by the Director and entire staff of National Cancer Control Programme to clear the backlog and releasing the report are highly appreciated.

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 18th edition of 'Cancer Incidence & Mortality Data, Sri Lanka - 2016'. 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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Acknowledgement

National Advisory Committee on Prevention & Control of Cancers

Technical Advisory Committee on Cancer Registration & Research

All the government cancer treatment centers

All pathology laboratories, Oral and Maxillo- Facial surgery unit

Private hospitals

Professional Colleges – College of Oncologists, College of Pathologists, College of Haematologists

Association of Oral Pathology & Oral Medicine

World Health Organization- Country Office, Sri Lanka

Multi Tech Solutions (Pvt) Ltd

Cancer Care Association – Sri Lanka

Executive summary

Cancer Incidence and Mortality Data, Sri Lanka- 2016 is the 18th 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 2016. The newly detected cancers through the government 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 Can Reg5 and SPSS software. For Cancer mortality data, mortality data published at the Annual Health Bulletin – 2016 were analyzed.

In the year 2016, a total number of 34,179 patients were newly diagnosed with cancer, giving crude incidence rate (CR) of 161.2 per 100,000 population. Crude incidence rate of males was 161.1/100 000 and Crude incidence rate of females was 161.3/100 000 population. The highest 5- year age specific incidence rates were reported among males and females of 70- 74-year age group. Males 1127.7/100 000 and females 703.3/100 000. When age standardized rates (ASR) were considered, the overall ASR was 142/100 000 and the ASR for males and females were 151.2/100 000 and 137.4/100 000.

Lip, tongue and mouth cancers (n=2558, CR= 25/100 000), Trachea, bronchus and lung cancers (n=1495, CR= 14.6/100 000), Colon and rectal cancers (n= 1308, CR= 12.8/100 000) and oesophageal cancers (n=1245, CR = 12.1/100 000) were the highest incident cancers among males. Age standardized incidence rates of all the leading male cancers were gradually increased over the years. Upward trend was observed in Lip, tongue and mouth cancers. Out of all male cancers, 15% were lip, tongue and mouth cancers. ASR of Lip, tongue and mouth cancers had gone up from 9.8/100 000 in 2005 to 22.9/100 000 in 2016.

Breast (n= 4302, CR= 39.3/100 000), Thyroid (n=2109, CR= 19.3/100 000), Colon and Rectum cancers (n= 1353, CR= 12.4/100 000) and cervix uteri cancers (n=1246, CR=11.4/100 000) were the highest incident cancers among females. Increased trend of breast cancer was observed over the years from 2005 to 2016 (ASR=18.4/100 000 to 33.2/100 000). Another alarming feature is rapid increase of female thyroid cancer after 2011 to 2016. (ASR =6.8/100 000 to 17.1/100 000) In both males and females colon and rectal cancers has come up to third place.

Cumulative rate of developing cancer between the age group of 0-74 years males is 18.76% and females is 15.91%. It means that among 1 in 5.3 males and 1 in 6.3 females have risk of developing cancer during their life time.

Staging information was available for 29.8% breast cancers, 35.3% cervical cancers and 18% lip tongue and mouth cancers. Among those with staging information 46.6% breast cancers, 52.7% cervical cancers and 59.9% lip, tongue and mouth cancers were diagnosed at the advanced stages (Stage III and IV).

Out of all cancers 94.3% were diagnosed microscopically and histopathology details of primary tumour were available for 89.5% cancers. There were 917 cases of childhood cancers (age between 0-19Years) and 27% are leukaemias.

Highest number of cancers were reported from Colombo district (n=3481, CR=145.3), Gampaha district (n=2425, CR= 102.2), Kurunegala district (n=1866, CR=111.4), Ratnapura district (n=1452, LR=127.4) and Kalutara district (n=1326, CR=105.2)

A total of 5148 deaths were occurred due to cancers at government hospital settings in year 2016 according to Annual Health Bulletin, 2016.

Cancer Incidence, 2016

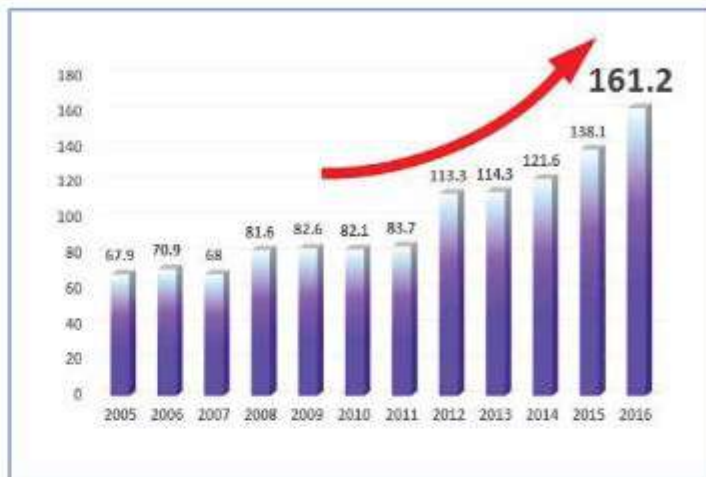
New cases **34179**



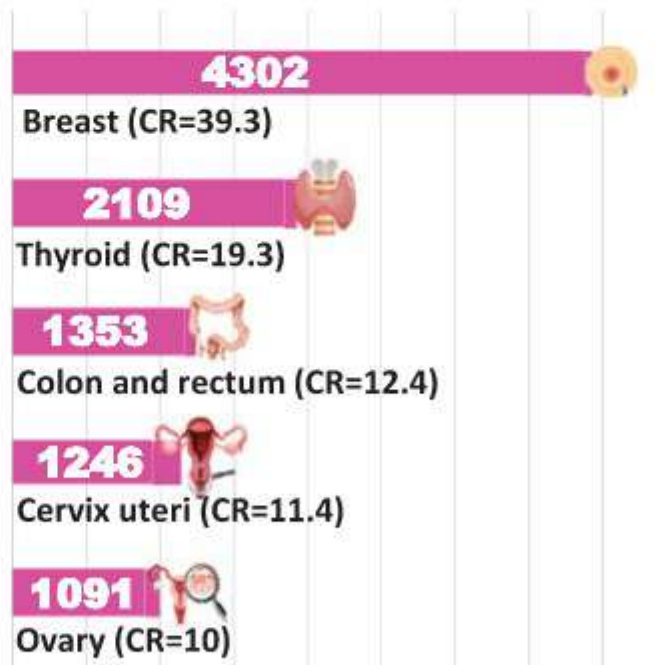
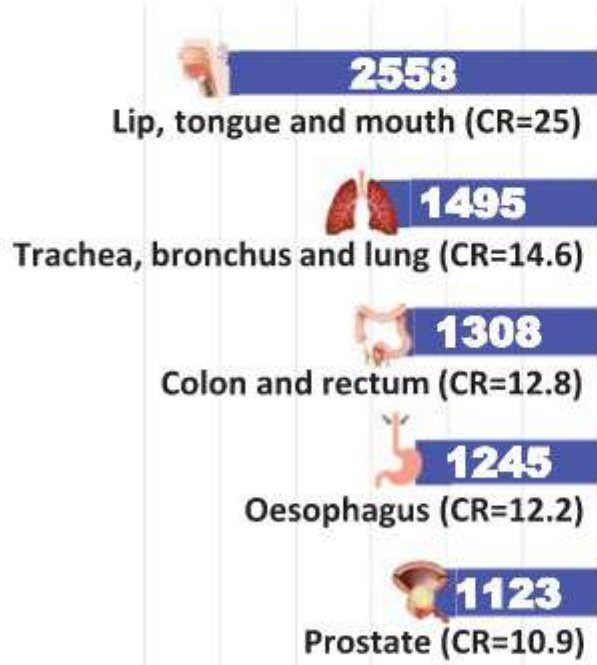
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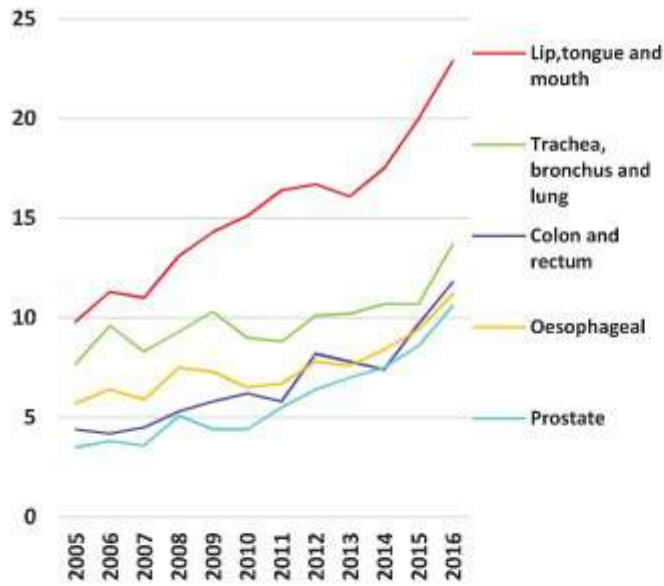


Crude cancer incidence rates of Sri Lanka 2005 -2016

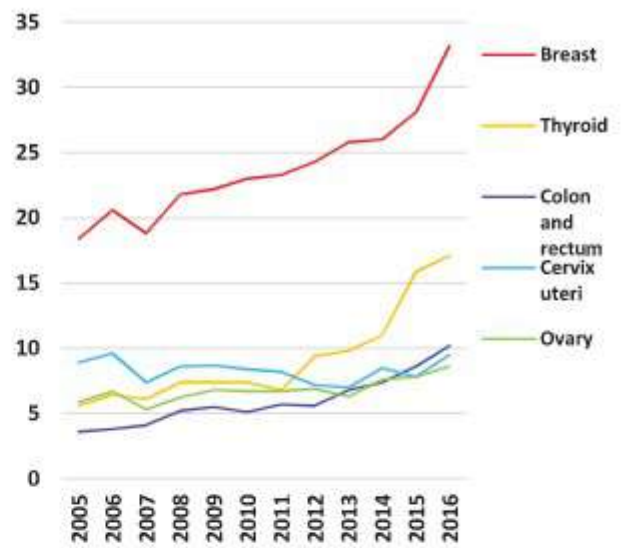


Number of cases and Crude Incidence Rates of leading cancer sites by sex in Sri Lanka, 2016

(CR per 100 000 population)



ASR of five most common male cancers from 2005 - 2016



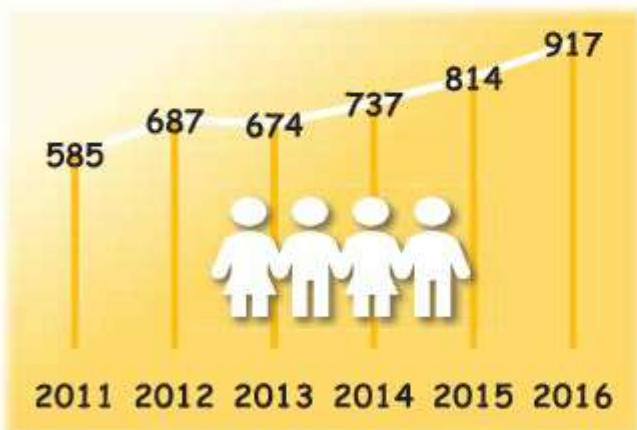
ASR of five most common female cancers from 2005 - 2016

Childhood cancers

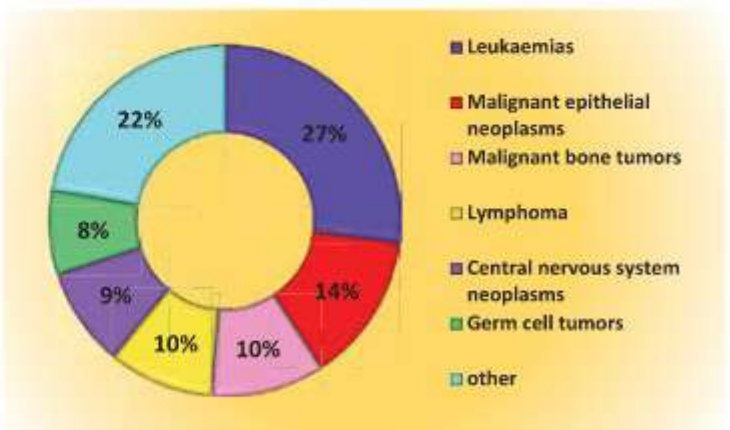
(0-19 years)



917 Cases



Number of Cases of Childhood Cancers from 2011 to 2016



Percentage Composition of Childhood Cancers - 2016

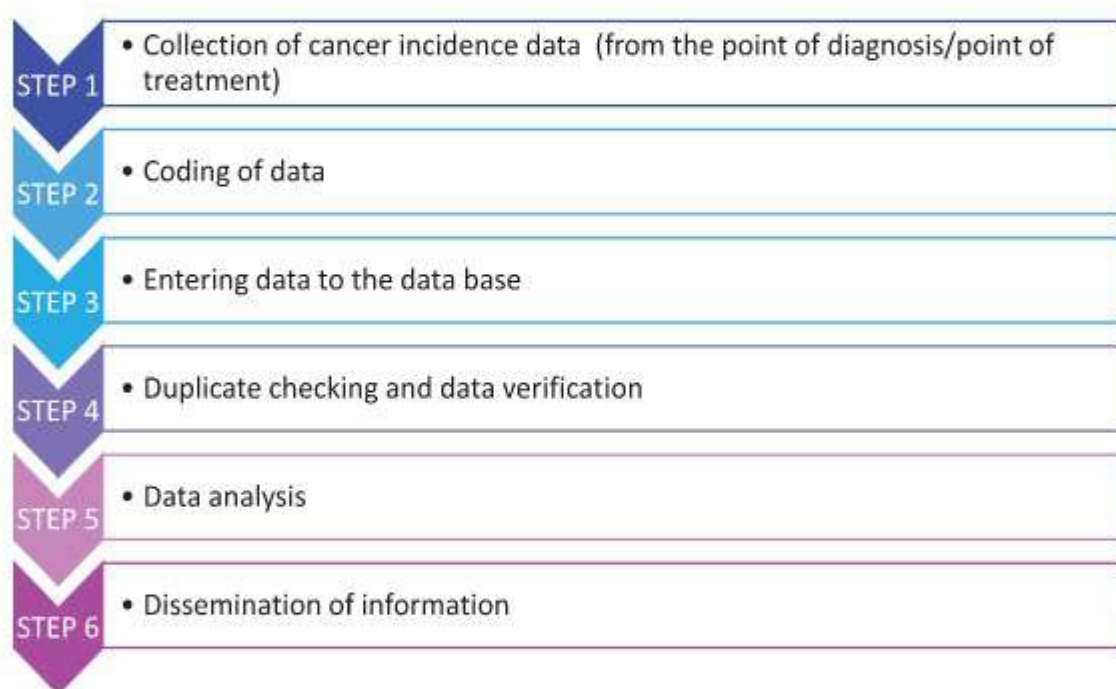
Cancer Incidence and Mortality Data Sri Lanka – 2016

1. Introduction

Surveillance of cancers is one of the leading activities of prevention and control of cancers. 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 centers, pathology laboratories, Oral and Maxillo Facial (OMF) units, professional colleges, WHO country office etc. The information based on surveillance of cancers is published as a publication named 'Cancer Incidence Data Sri Lanka'. Up to now 17 volumes have been published (Annex). This publication is the 18th volume of Cancer Incidence Data Sri Lanka.

2. Methodology

The methodology of each step of cancer surveillance is described below.



2.1 Collection of cancer incidence data

Cancer incidence data were collected from cancer treatment centers, pathology laboratories and Oral & Maxillo-Facial (OMF) units throughout the country. Then coding of cancer incidence data was done. Data was entered to the database, duplicates checked, data verified, analyzed and information was generated through the publication of 'Cancer Incidence Data Sri Lanka'.

2.1.1 Newly registered cancer patients at the cancer treatment centers

The cancer incidence data for the year 2016 was collected from 14 government cancer treatment centers. A total of 30,258 patients were registered at this cancer treatment centres as new patients in the year 2016.

Table 1 : Distribution of government cancer treatment centers in year 2016

Category of the Hospital	Name of the Hospital
National Hospitals	Apeksha Hospital - Maharagama (National Cancer Institute) National Hospital Kandy
Teaching Hospitals	Karapitiya, Anuradhapura, Batticaloa, Rathnapura, Kurunegala
Provincial General Hospitals	Badulla
Base Hospitals	Telippalai (Jaffna)
District General Hospitals	Nuwara Eliya, Monaragala, Ampara, Chilaw, Kegalle

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, development officers attached to the cancer treatment centres, trained pre-intern medical graduates temporarily recruited through WHO funds and by the cancer registry staff of NCCP.

2.1.2 Newly detected cancers at the pathology laboratories. (Distribution of pathology laboratories which sent details of newly diagnosed cancer patients in year 2016)

The information on newly detected cancers at the pathology laboratories were received monthly through the 'Cancer Return Form - 1' (H-1290). A total of 48 histopathology laboratories (17,637 diagnosed patients), 4 haematology laboratories (166 diagnosed patients) and one oral pathology laboratory (422 diagnosed patients) have passively sent relevant data for the year 2016 (Table 2).

Table 2: Distribution of pathology laboratories which sent details of newly diagnosed cancer patients in year 2016

Category of hospital	Category of the hospital		
	Histopathology	Hematology	Oral Pathology
National Hospital	National Hospital of Sri Lanka - Colombo, National Hospital -Kandy, National Hospital for Respiratory Diseases – Welisara National Eye Hospital- Colombo		
Teaching Hospital	De Soysa Hospital for Women, Lady Ridgeway Hospital Colombo South, Colombo North,		

Table 2 continued...

Category of hospital	Category of the hospital		
	Histopathology	Hematology	Oral Pathology
	Mahamodara, Karapitiya, Peradeniya, Sirimavo Bandaranaike Children Hospital, Jaffna, Rathnapura		
Provincial General Hospitals	Kurunegala, Badulla	Kurunegala,	
District General Hospitals	Avissawella, Gampaha, Negombo, Kalutara, Matara, Hambanthota, Kegalle, Chilaw, Polonnaruwa, Nawalapitiya, Nuwaraeliya, Matale, Monaragala Trincomalee, Vavuniya	Chilaw, Trincomalee	
Base Hospital	Homagama, Mulleriyawa, Wathupitiwala, Kethumathi -Panadura, Horana, Balapitiya, Elpitiya, Tangalle, Embilipitiya, Kuliyaipitiya, Gampola	Kuliyaipitiya	
University Units	Faculty of Medicine – Colombo, Ruhuna, Jayewardenepura Ragama		Faculty of Dental Sciences – Peradeniya
Other Institutions	Medical Research Institute-Colombo		
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 22 OMF units have sent relevant data for year 2016.

2.1.4 Distribution of OMF Units which have sent the details of newly diagnosed cancer patients

Table 3 : Distribution of OMF Units which have sent the details of newly diagnosed cancer patients

Category of hospital	Name of the hospital
National Hospital	Dental Institute Colombo
Teaching Hospitals	Colombo South, Colombo North, Karapitiya, Kandy, Anuradhapura, Jaffna, Ratnapura
Provincial General Hospitals	Kurunegala
District General Hospitals	Gampaha, Kalutara, Polonnaruwa, Avissawella, Trincomalee, Matara, Negombo, Nuwara Eliya, Vavuniya

Table 3 continued...

Category of hospital	Name of the hospital
Base Hospital	Kuliyapitiya, Panadura
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 centers 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 22 Medical Record Departments have sent the details in year 2016.

Table 4 : Distribution of Medical Records Departments of Hospitals which sent details of newly diagnosed cancer patients in year 2016

Category of hospital	Name of the hospital
National Hospitals	National hospital, Dental Institute, National Hospital for Respiratory Diseases
Teaching Hospitals	Colombo South, Colombo North, Colombo Eye hospital, LRH, DMH, CSHW
District General Hospitals	Avissawella, Gampaha ,Mulleriyawa
Base Hospitals	Panadura, Horana
Private sector hospitals	Asiri central, Asiri Medical, Asiri Surgical,Durdans,Lanka
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 was received through the Cancer Return Form – 3. A total of 40 divisional death registrars have sent relevant details for the year 2016.

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. The cancer registry staff of the NCCP coded the cancer incidence data.

2.3 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. These activities were closely supervised by the cancer registry staff and was regularly involved in refresher training to the data entry operators to ensure accuracy and quality of data.

2.4 Duplicate checking & and verification of data

While entering and confirming the data to the CanReg5 data base, duplicate checking was conducted using 'Person search' option of the CanReg 5 data base. In addition to the duplicate checking done through CanReg 5, further duplicate checking had to be conducted during the data verification stage as well to identify all possible duplicates. Additionally, Link Pro software was used. Excel software was used to sort according to the descending or ascending order of selected variables. After removing possible duplicates, consistency checking and verification was conducted using 'IARC crg' tool & MS Excel.

Mismatches according to;

Age/Incidence and birthdates

Age /Site /Histology

Site /Histology

Sex/Site

Sex/Histology

Behavior /Site

Behavior / Histology

Grade /Histology Basis of Diagnosis /Histology were corrected.

After these procedures, preliminary analysis was conducted using CanReg 5 & SPSS to detect further mismatches. Data sources up to the patient clinic files were rechecked in the 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

Analysis section of the CanReg 5 package, SPSS and MS Excel software were used to analyze cancer incidence data. The standard cancer registry tables described at the CI 5 were generated through CanReg 5 database.

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

Table 5 : Estimated mid – year population by district in Sri Lanka 2016

District	Male	Female	Total
Colombo	1175386	1220119	2395505
Gampaha	1149624	1222754	2372378
Kalutara	609974	650598	1260572
Kandy	683580	750083	1433663
Matale	245088	263148	508236
Nuwara Eliya	357971	390524	748495
Galle	528567	573690	1102257
Matara	404496	440020	844516
Hambantota	313172	324255	637427

Table 5 continued...

District	Male	Female	Total
Jaffna	282781	319433	602214
Mannar	53094	52526	105620
Vavuniya	89500	92337	181837
Mullaitivu	47492	47664	95156
Kilinochchi	60031	62123	122154
Batticaloa	261623	287940	549563
Ampara	334262	356271	690533
Trincomalee	199744	204642	404386
Kurunegala	804681	871009	1675690
Puttalam	387857	413562	801419
Anuradhapura	441855	463286	905141
Polonnaruwa	210196	214936	425132
Badulla	410283	443266	853549
Moneragala	237818	240705	478523
Ratnapura	562034	577966	1140000
Kegalle	414195	454504	868699
Total	10265304	10937361	21202665

Cancer Incidence Data of Sri Lanka – 2016

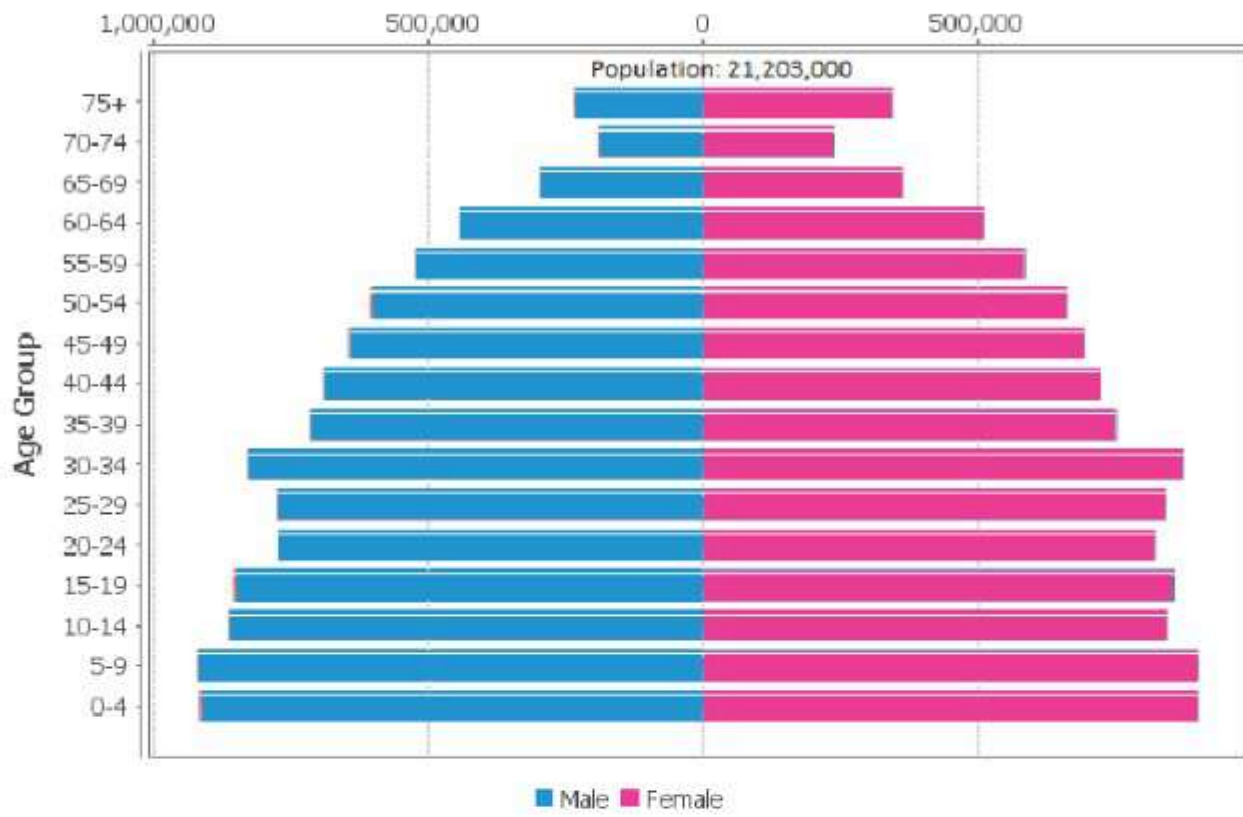


Figure 1 : Population pyramid of Sri Lanka in 2016 by 5-year age groups

Table 6: Cancer Incidence by sex in Sri Lanka, 1985- 2016

YEAR	SEX	Number	%	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	78.0	87.4
	Female	8970	52.9	86.2	87.7
	Total	16963		82.1	87.3
2011	Male	8370	47.9	80.6	90.4
	Female	9112	52.1	86.7	88.7
	Total	17482		83.7	89.2
2012	Male	11,363	49.2	114.9	106.9
	Female	11,773	50.8	111.7	94.9
	Total	23,136		113.3	99.7
2013	Male	11,364	48.3	114.0	106.3
	Female	12,167	51.7	114.6	97.4
	Total	23,531		114.3	100.7
2014	Male	12,021	47.6	119.5	112.0
	Female	13,250	52.4	123.6	105.3
	Total	25,271		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	122.0
2016	Male	16533	48.4	161.1	151.2
	Female	17646	51.6	161.3	137.4
	Total	34179		161.2	142

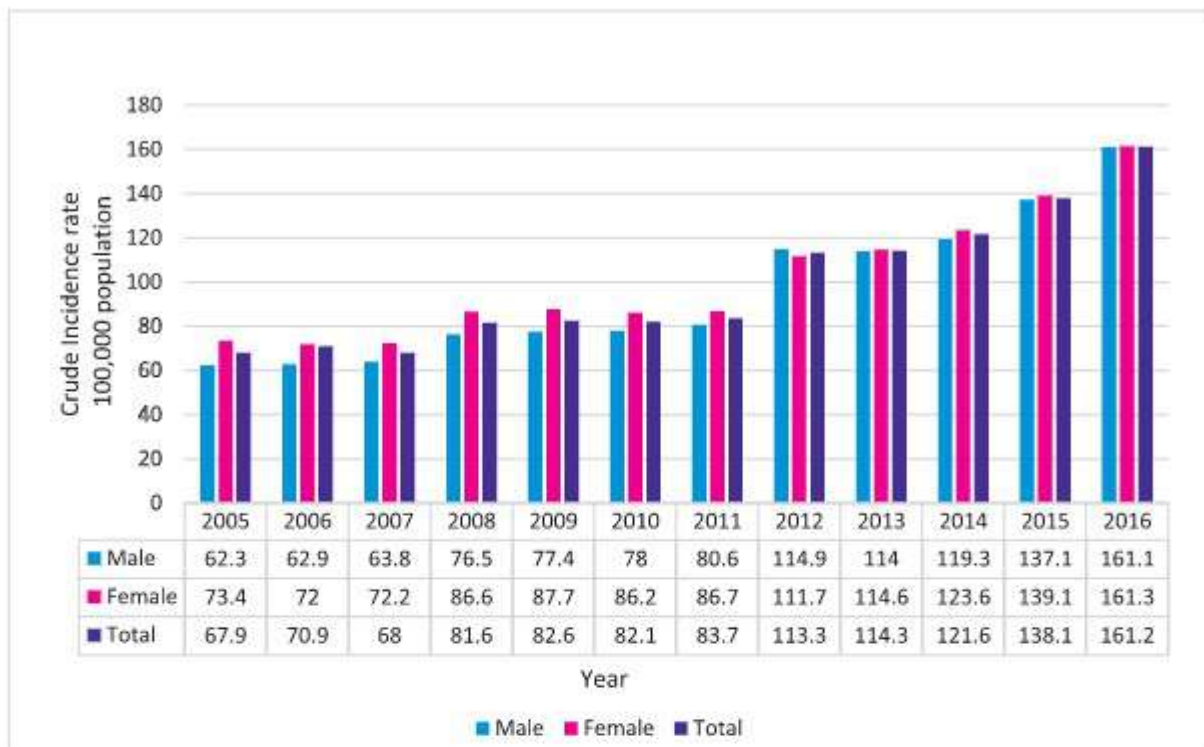


Figure 2 : Crude Cancer Incidence Rates of Sri Lanka, 2005 - 2016

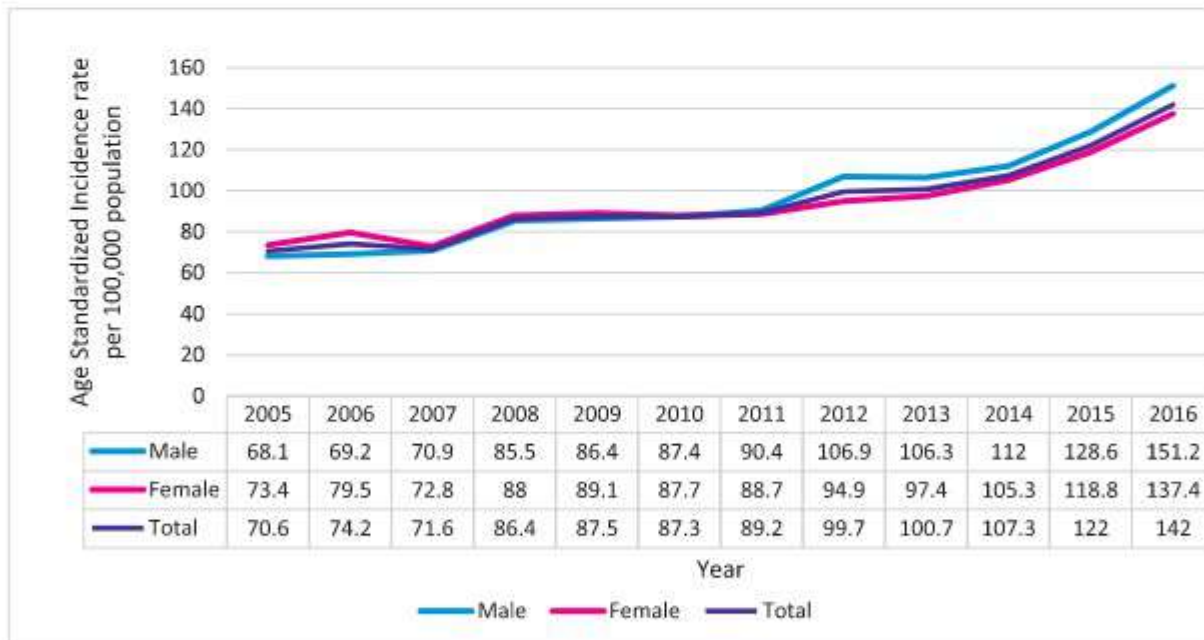


Figure 3 : Age Standardized Cancer Incidence Rates of Sri Lanka, 2005 - 2016

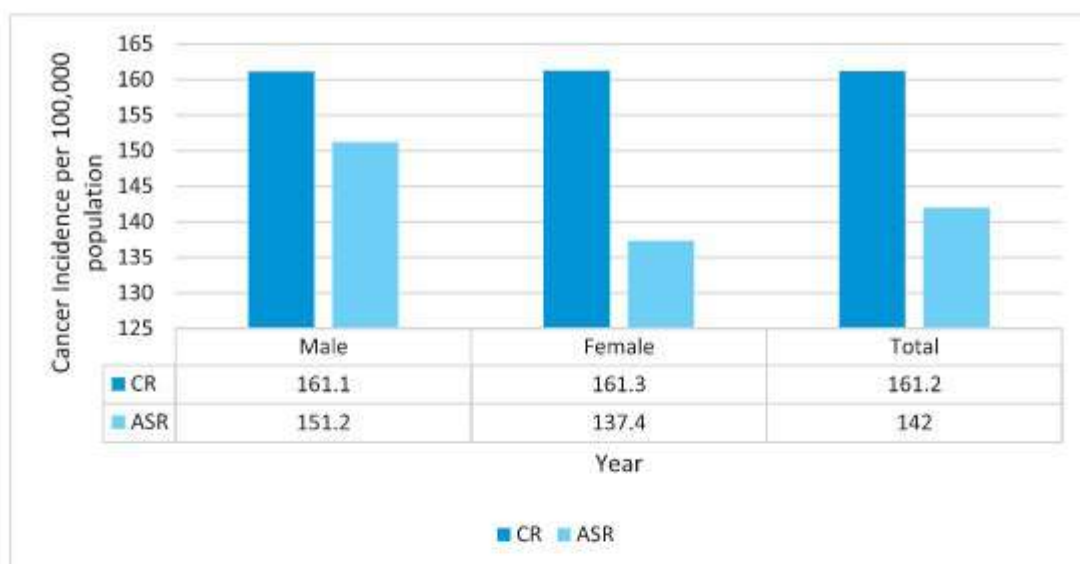


Figure 4 : Cancer Incidence Rates of Sri Lanka, 2016

Table 7 : Cancer Incidence by 5 – year age groups and sex in Sri Lanka, 2016

Age Group	Male			Female			Total		
	Cases	Population	Incidence	Cases	Population	Incidence	Cases	Population	Incidence
Unknown	67			74			141		
00-04	150	916572	16.4	110	901374	12.3	260	1817946	14.3
05-09	92	919299	10.0	81	902174	9.0	173	1821472	9.5
10-14	86	863918	10.0	101	845141	12.0	187	1709059	10.9
15-19	147	854247	17.2	150	858991	17.5	297	1713238	17.3
20-24	149	772949	19.3	236	823339	28.7	385	1596287	24.1
25-29	164	774328	21.2	326	843056	38.7	490	1617385	30.3
30-34	268	829840	32.3	543	877493	61.9	811	1707333	47.5
35-39	399	714333	55.9	890	752838	118.2	1289	1467171	87.8
40-44	571	688830	82.9	1205	726222	165.9	1776	1415053	125.5
45-49	963	643671	149.6	1598	695172	229.9	2561	1338843	191.3
50-54	1773	605259	292.9	2056	664327	309.5	3829	1269587	301.6
55-59	2193	521435	420.6	2305	586320	393.1	4498	1107755	406.0
60-64	2543	442737	574.4	2312	512359	451.2	4855	955096	508.3
65-69	2678	295158	907.3	2244	363451	617.1	4922	658609	747.2
70-74	2133	189143	1127.7	1686	239713	703.3	3819	428856	890.5
75+	2157	233586	923.4	1729	345390	500.6	3886	578976	671.2
Total	16533	10265304	161.1	17646	10937361	161.3	34179	21202665	161.2

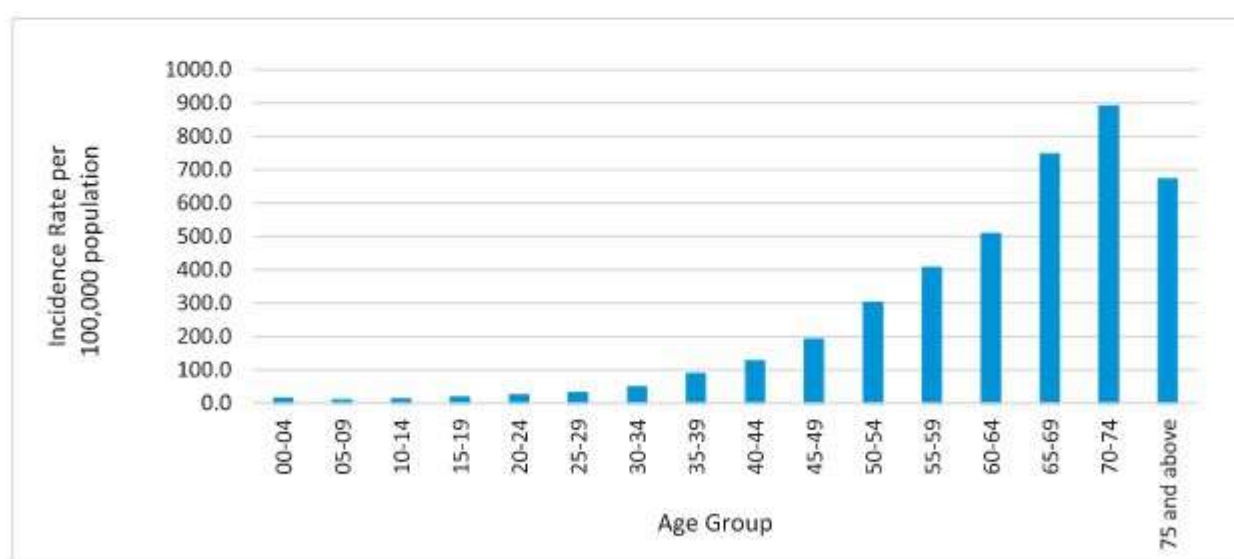


Figure 5 : Age Specific Cancer Incidence rates in Sri Lanka, 2016

Table 8 : Leading cancer site by sex in Sri Lanka, 2016

Male					Female				
ICD (10th)	SITE	No	CR	ASR	ICD (10th)	SITE	No	CR	ASR
C00-06	Lip, Tongue and Mouth	2558	25	22.9	C50	Breast	4302	39.3	33.2
C33-34	Trachea, bronchus and lung	1495	14.6	13.7	C73	Thyroid	2109	19.3	17.1
C18-20	Colon and Rectum	1308	12.8	11.8	C18-20	Colon and Rectum	1353	12.4	10.2
C15	Oesophagus	1245	12.1	11.3	C53	Cervix uteri	1246	11.4	9.5
C61	Prostate	1123	10.9	10.6	C56	Ovary	1091	10	8.6
C09-14	Pharynx	830	8.1	7.5	C15	Oesophagus	984	9	7.3
C32	Larynx	741	7.2	6.7	C54-55	Uterus	977	8.9	7.5
C67	Bladder	729	7.1	6.7	C00-06	Lip, Tongue and Mouth	664	6.1	5
C81-85,C96	Lymphoma	691	6.8	6.4	C81-85,C96	Lymphoma	491	4.5	4
C91-95	Leukaemia	515	5.1	5	C33-34	Trachea, bronchus and lung	478	4.4	3.7
	All sites	16533	161.1	151.2		All sites	17646	161.3	137.4

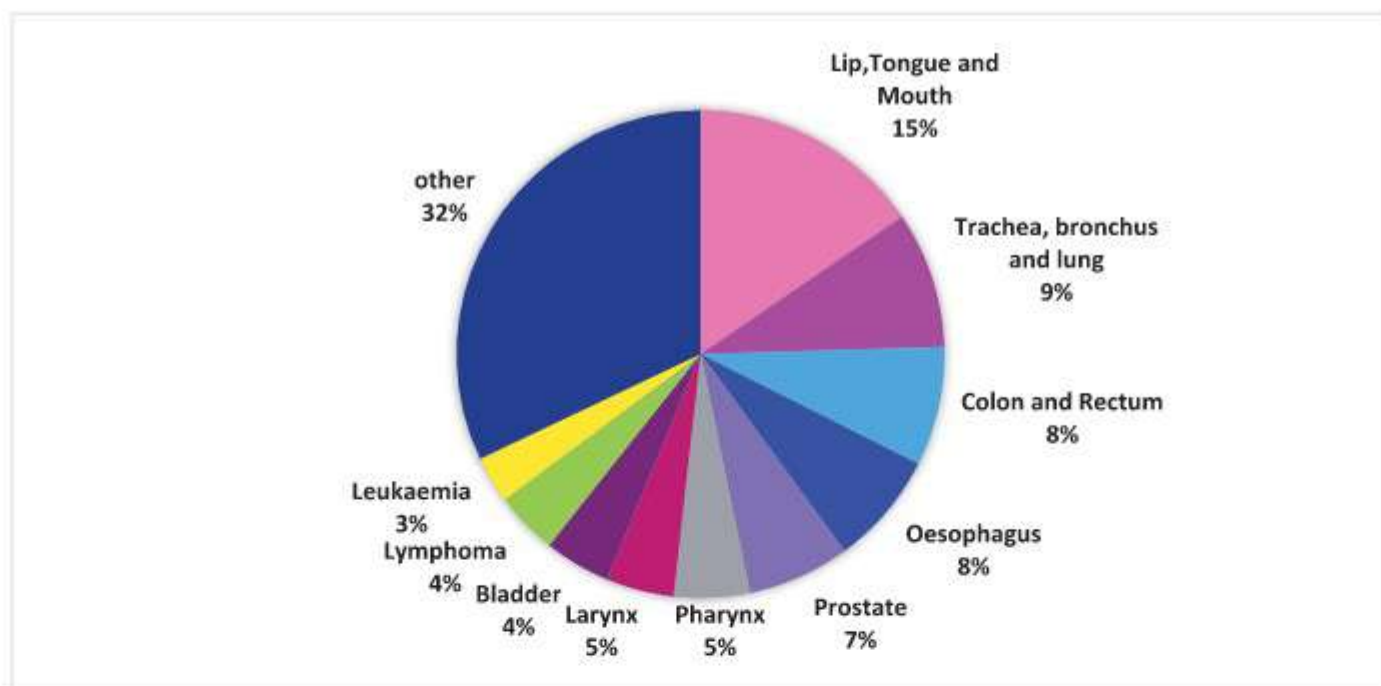


Figure 6 : Proportion of leading cancers in males in Sri Lanka, 2016

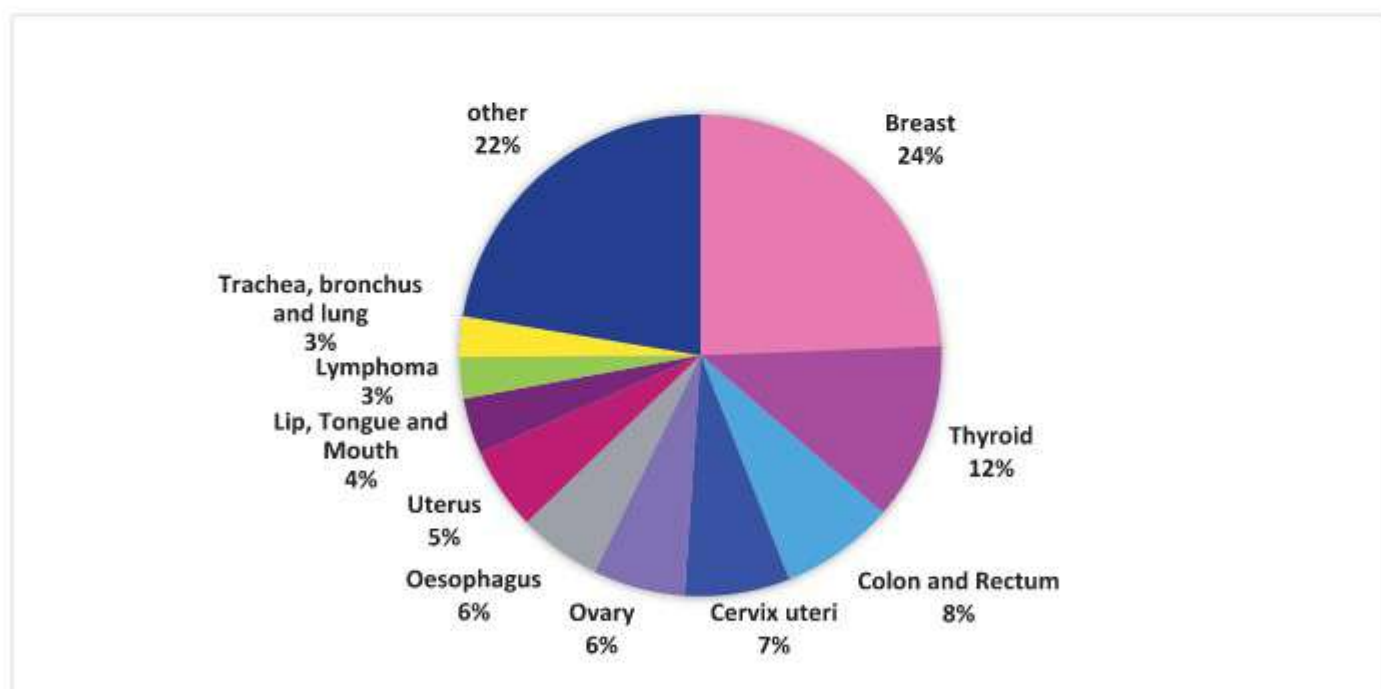


Figure 7 : Proportion of leading cancers in females in Sri Lanka, 2016

Crude incidence rates of leading cancers in Sri Lanka, 2016

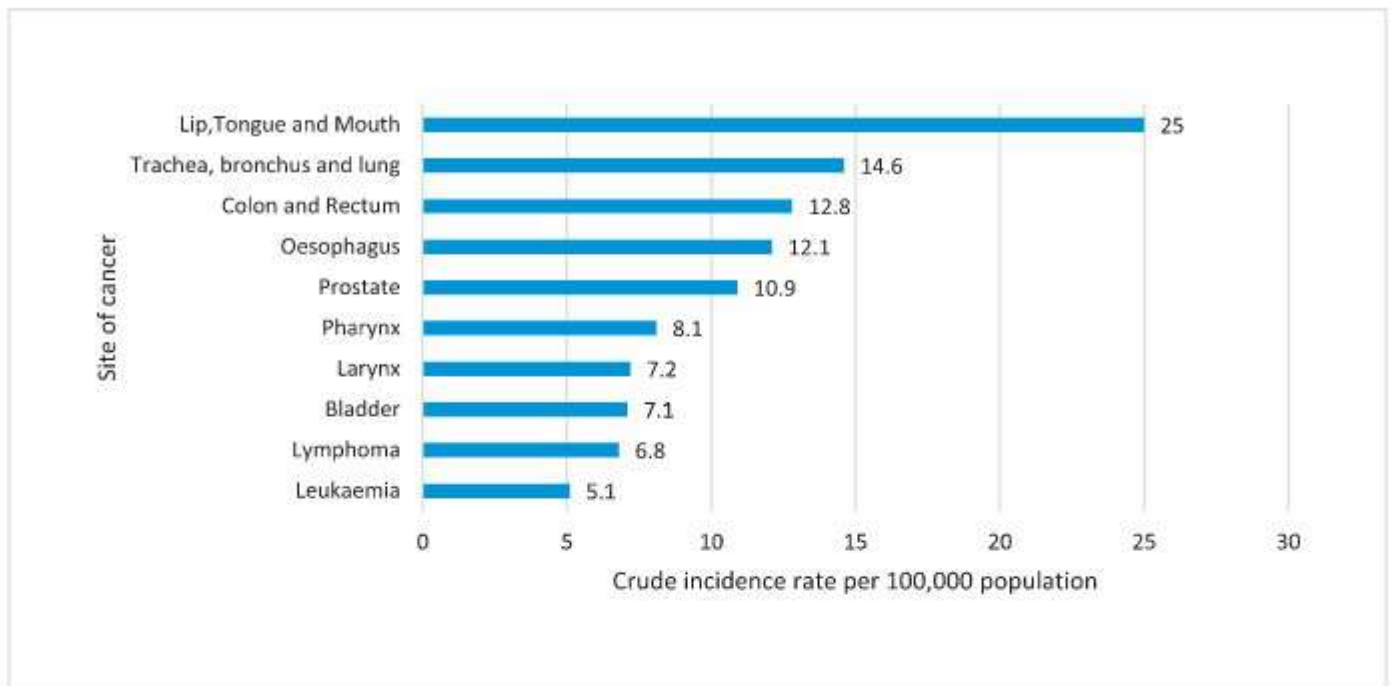


Figure 8 : Crude incidence rates of leading cancers in males in Sri Lanka, 2016

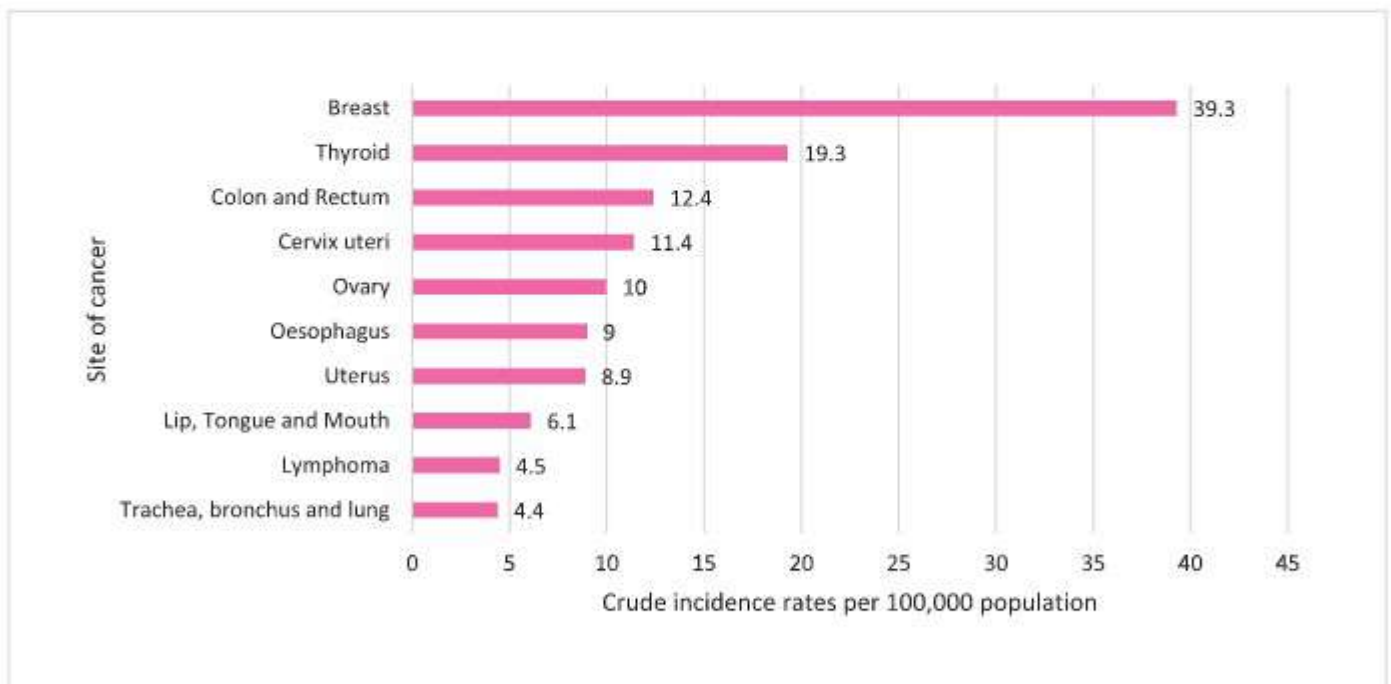


Figure 9 : Crude incidence rates of leading cancers in females in Sri Lanka, 2016

Leading Cancers of Sri Lanka according to the age group in 2016

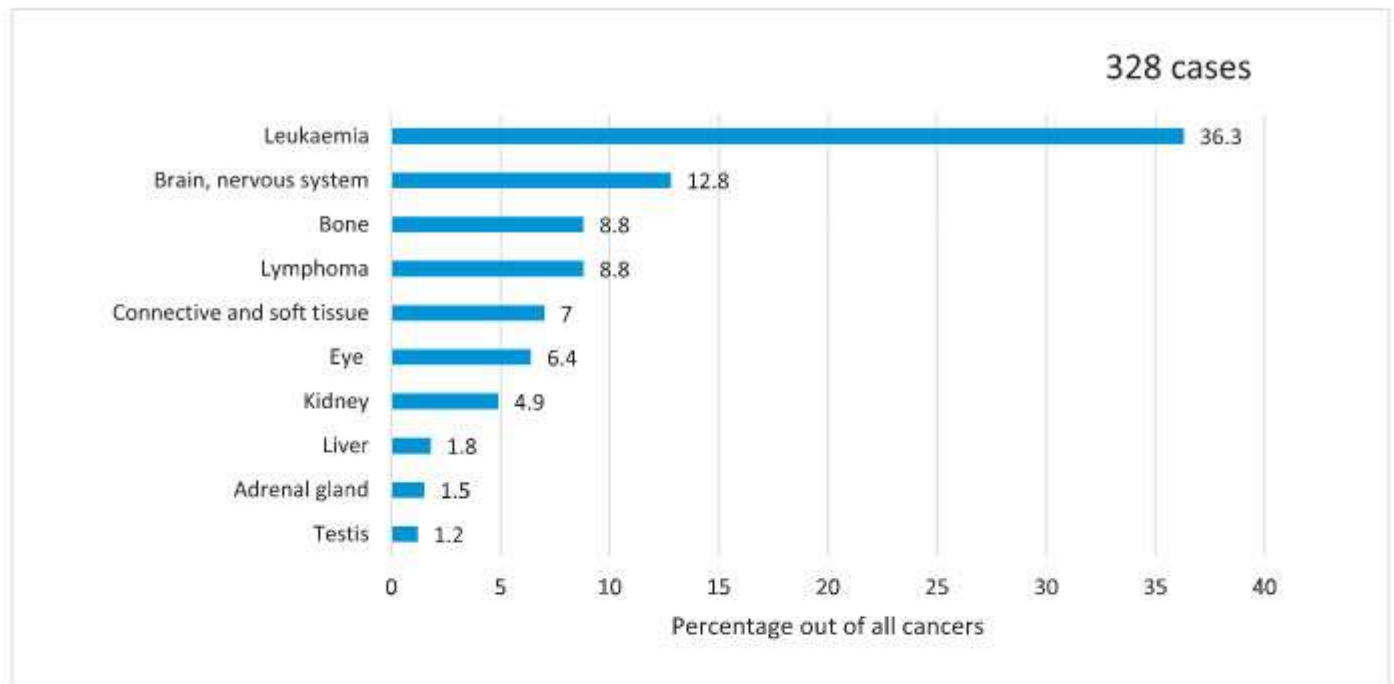


Figure 10: Leading cancers by 00–14 year age group among males in Sri Lanka, 2016

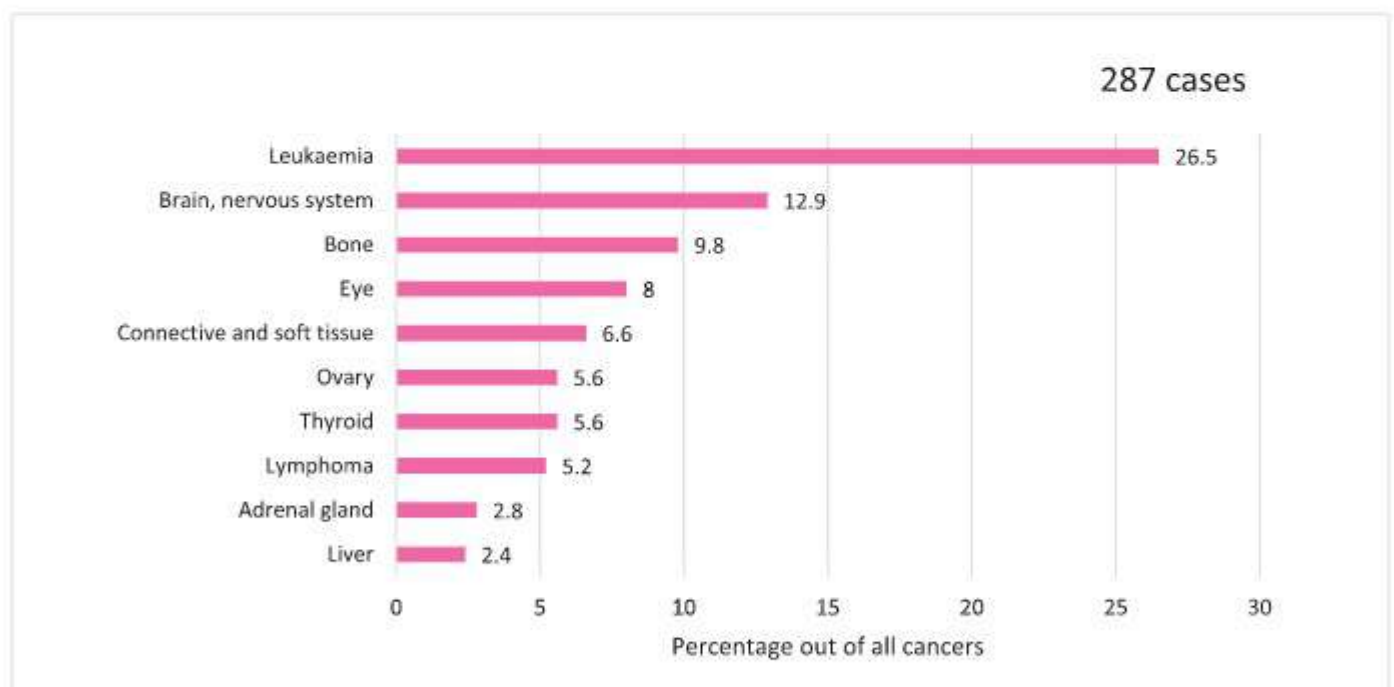


Figure 11: Leading cancers by 00 – 14 year age group among females in Sri Lanka, 2016

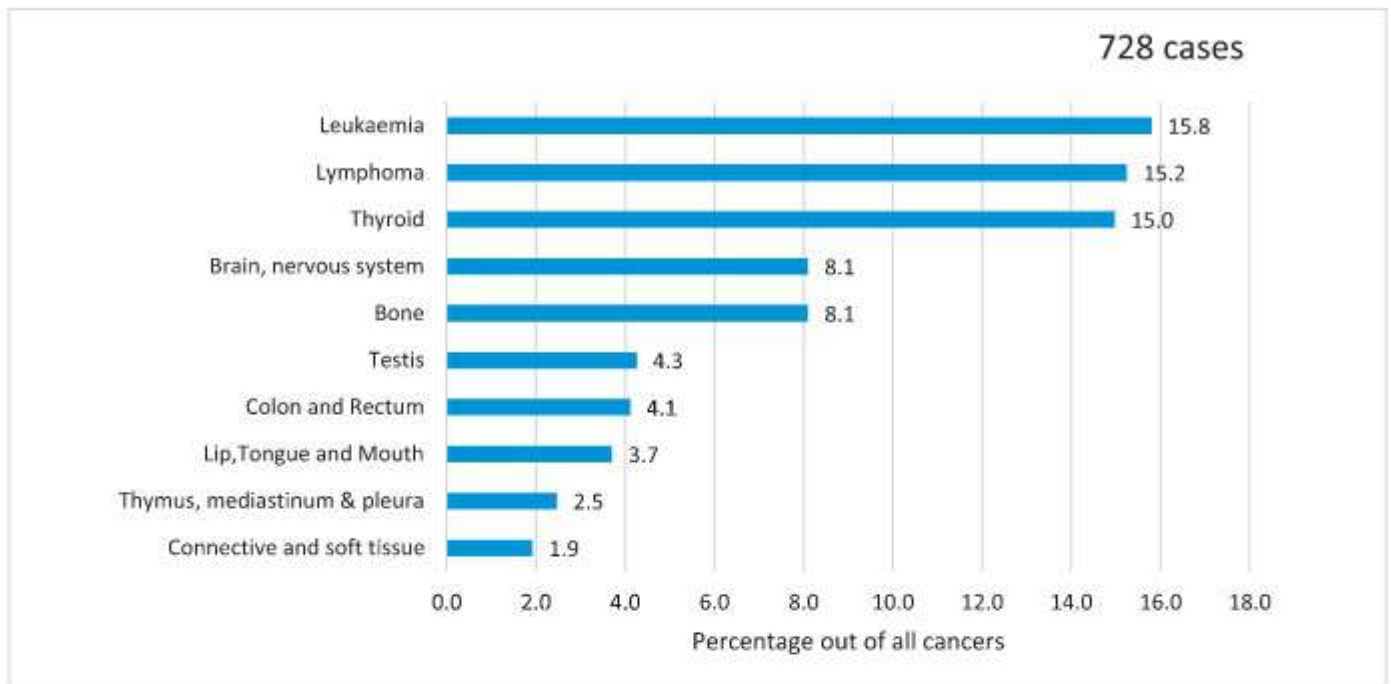


Figure 12 : Leading cancers by 15-34 age group among males in Sri Lanka, 2016

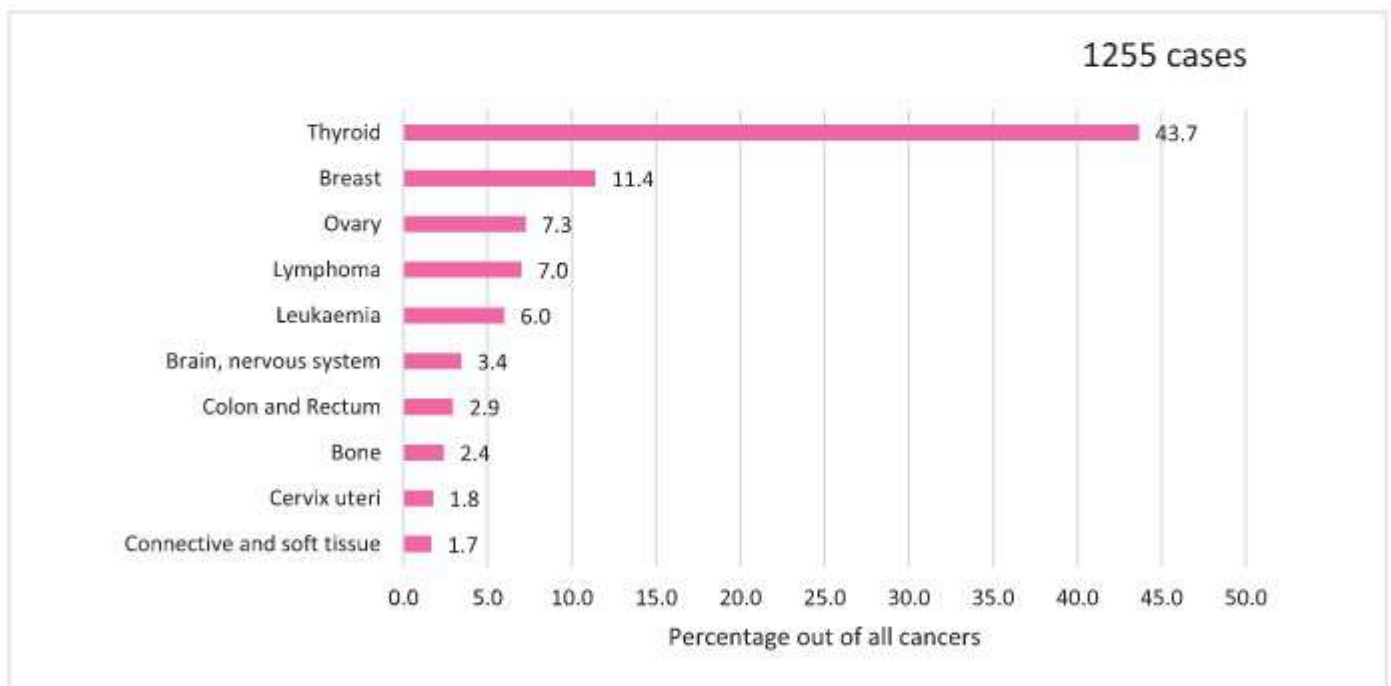


Figure 13: Leading cancers by 15-34 age group among females in Sri Lanka, 2016

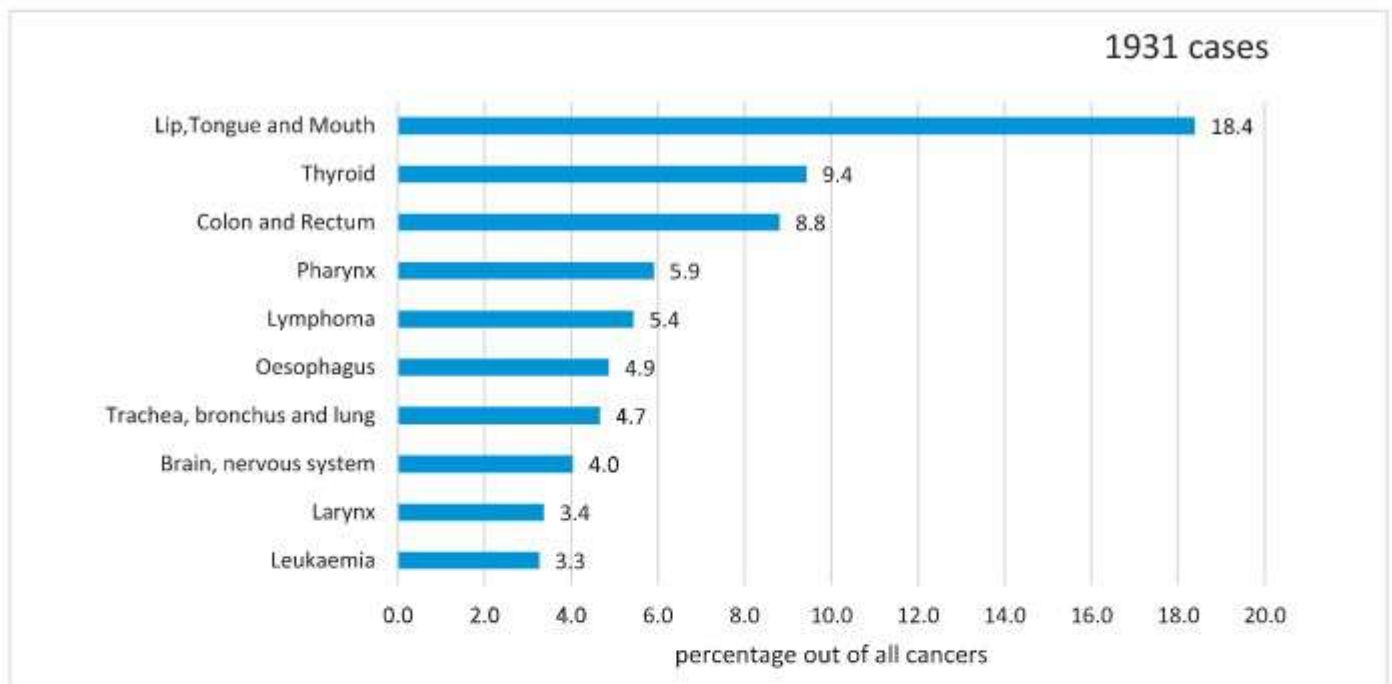


Figure 14: Leading cancers by 35-49 year age group among males in Sri Lanka, 2016

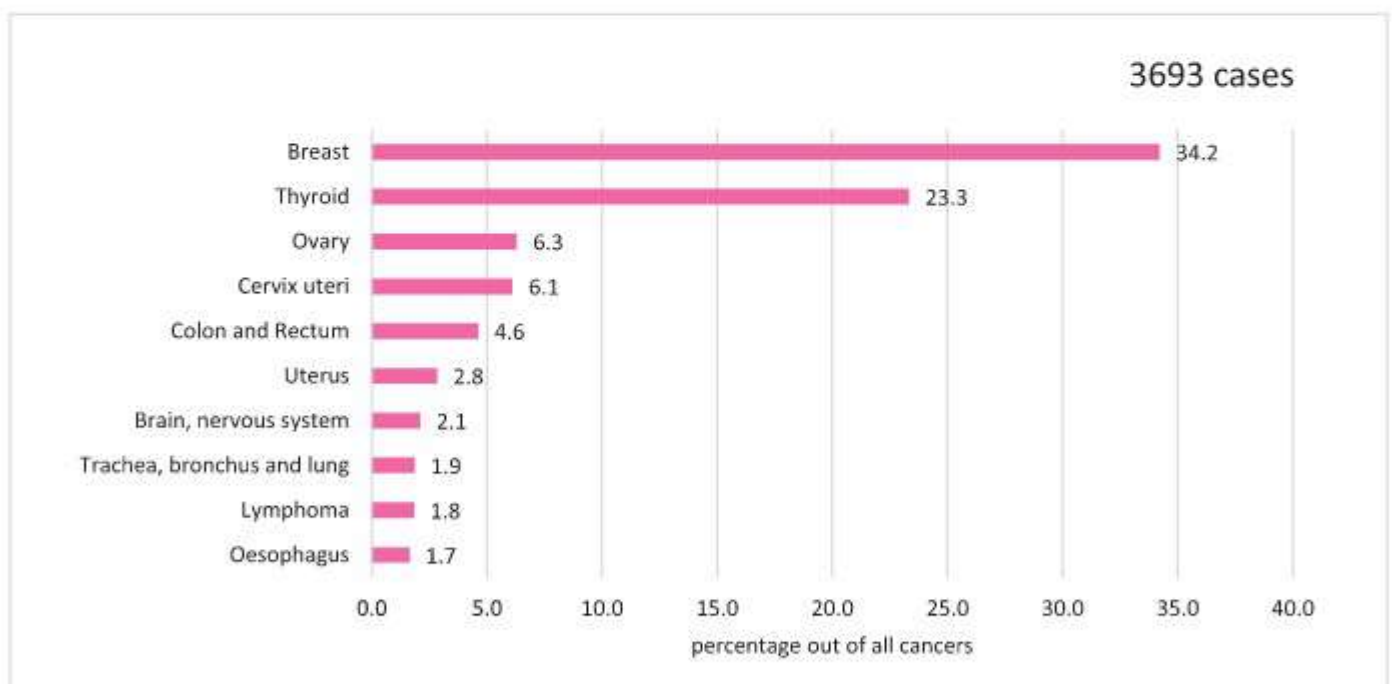


Figure 15: Leading cancers by 35-49 year age group among females in Sri Lanka, 2016

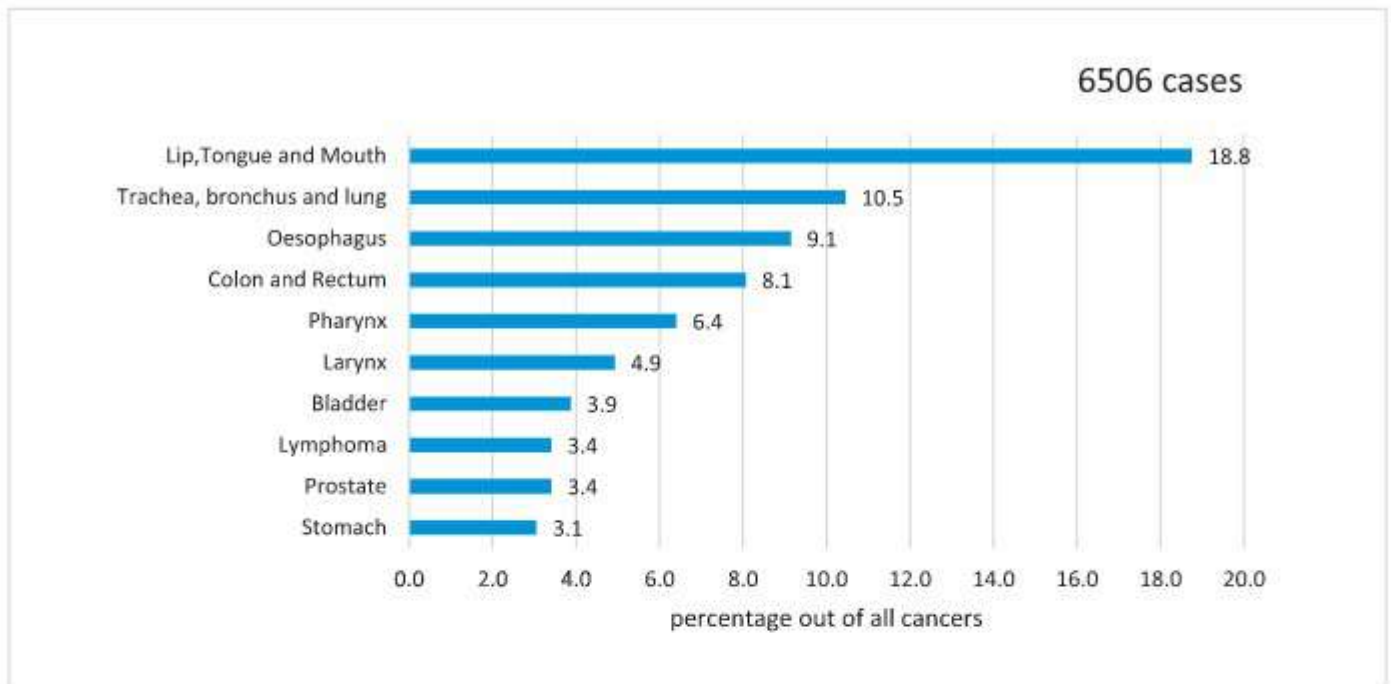


Figure 16: Leading cancers by 50 – 64 age group among males in Sri Lanka, 2016

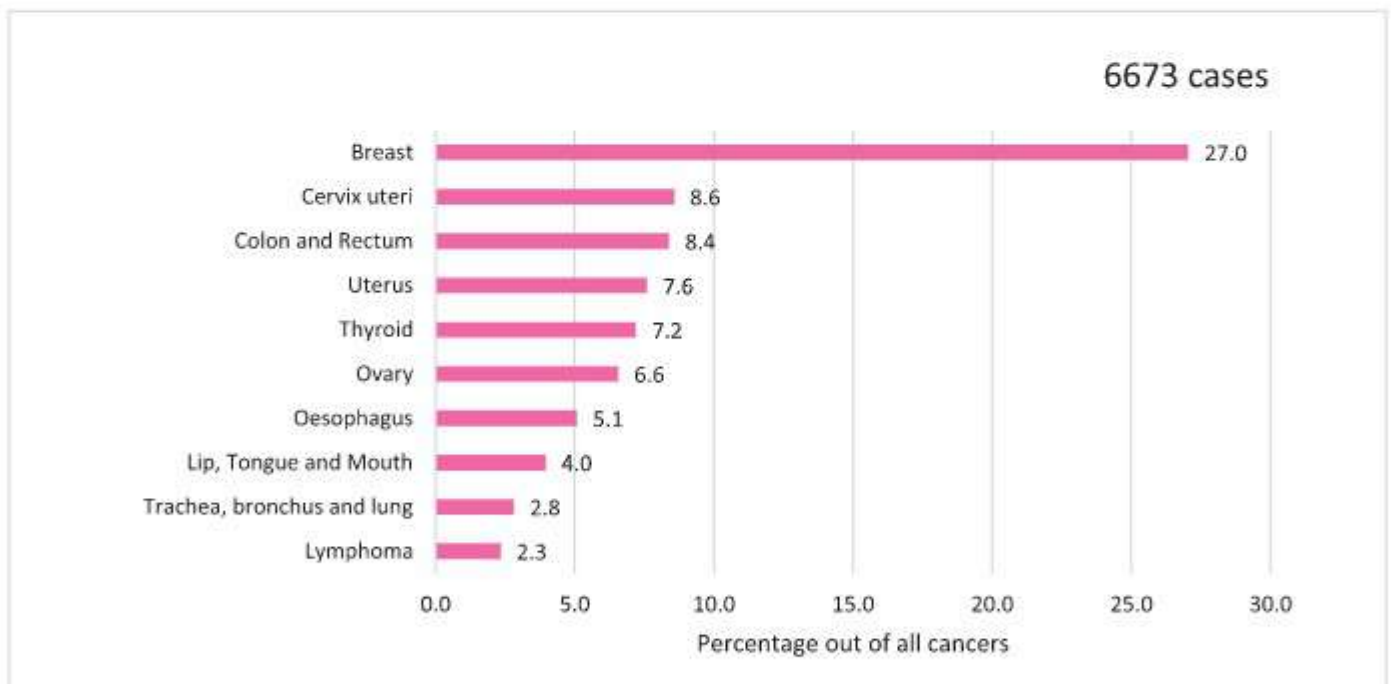


Figure 17: Leading cancers by 50 – 64 age group among females in Sri Lanka, 2016

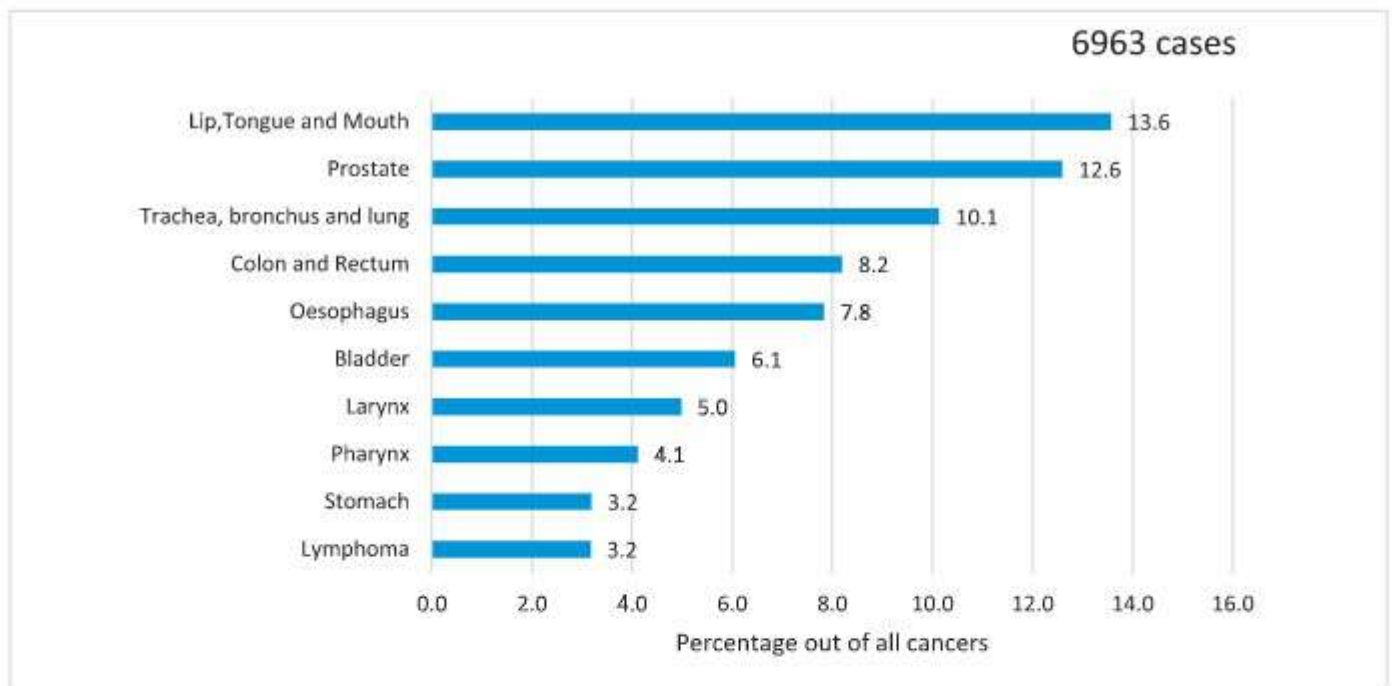


Figure 18: Leading cancers by 65 years and above age group among males in Sri Lanka, 2016

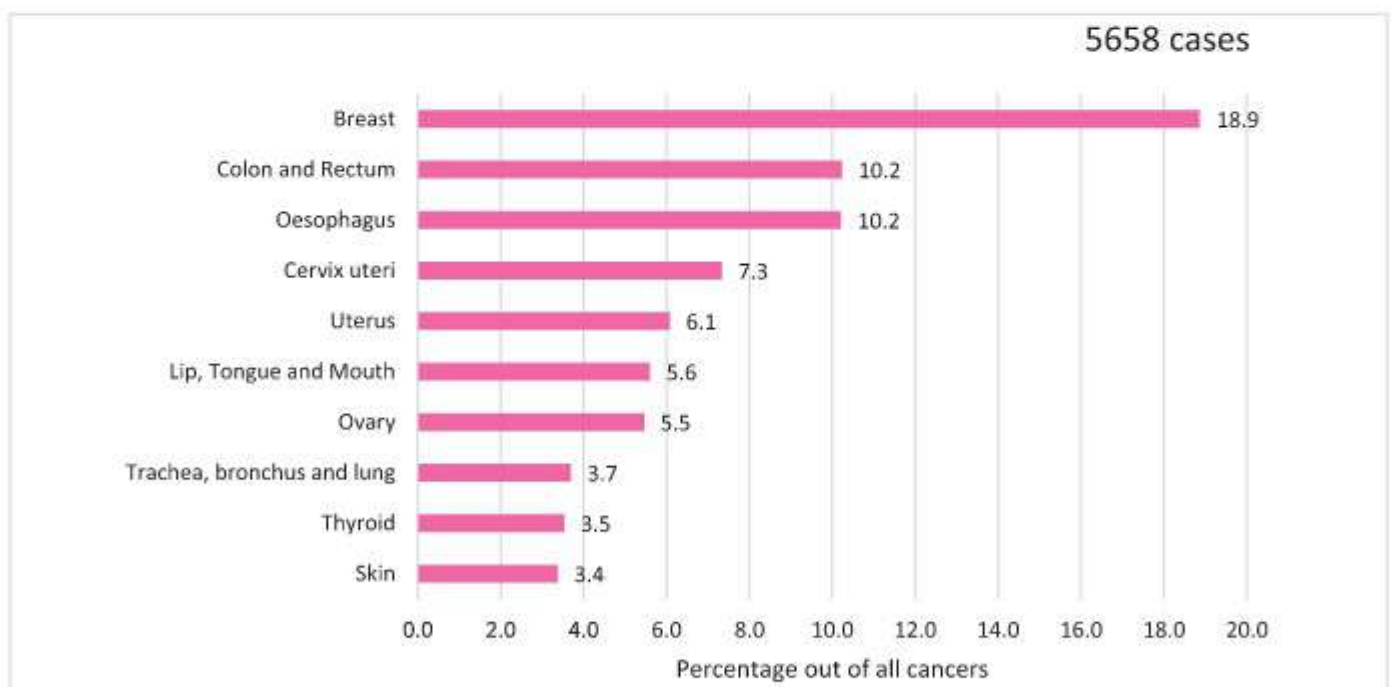


Figure 19: Leading cancers by 65 years and above age group among females in Sri Lanka, 2016

Table 9: Number of cancers by 5-year age groups and ICD 10 site, among Males in Sri Lanka, 2016

	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unknwn	Total
C00 Lip	0	0	0	0	0	0	1	4	4	10	16	17	16	15	17	19	1	120
C01 Base of the tongue	0	0	0	0	0	0	0	6	8	13	26	51	41	43	24	18	0	230
C02 Other and unspecified parts of the tongue	0	0	0	0	1	4	4	14	25	54	124	132	109	86	63	51	4	671
C03 Gum	0	0	0	1	0	0	1	4	4	7	16	14	20	17	18	23	0	125
C04 Floor of the mouth	0	0	1	0	0	1	0	5	4	18	33	16	23	26	13	14	1	155
C05 Palate	0	0	0	0	0	1	0	5	4	24	38	43	37	32	31	27	1	243
C06 Other and unspecified parts of mouth	2	0	0	0	1	3	9	28	37	77	125	153	170	166	107	135	1	1014
C07 Parotid gland	0	0	0	2	0	3	2	0	4	7	5	3	9	5	15	9	0	64
C08 Other and unspecified salivary glands	0	0	0	1	0	0	0	1	3	1	4	4	1	5	5	4	0	29
C09 Tonsil	0	0	0	0	0	0	1	4	13	28	37	39	38	26	19	23	0	228
C10 Oropharynx	0	0	0	0	0	0	0	0	5	10	30	27	25	23	13	12	0	145
C11 Nasopharynx	0	0	1	3	1	0	0	1	0	4	2	8	7	6	5	3	0	41
C12 Piriform sinus	0	0	0	0	0	0	1	1	8	15	27	48	39	40	30	25	0	234
C13 Hypopharynx	0	0	0	0	0	0	1	0	1	4	10	15	13	12	10	5	2	73
C14 Other and ill defined sites in the lip, oral cavity and pharynx	0	0	0	0	1	0	0	2	5	13	15	19	18	10	11	14	1	109
C15 Oesophagus	0	0	0	0	1	2	1	10	21	63	156	207	232	219	183	164	6	1245
C16 Stomach	1	0	0	0	1	1	6	6	15	39	49	73	77	96	65	61	1	491
C17 Small intestine	0	0	0	0	0	0	2	2	3	2	9	9	8	9	9	5	0	58
C18 Colon	0	0	0	2	2	2	13	23	27	47	56	76	96	108	57	88	6	603
C19 Rectosigmoid junction	0	0	0	0	0	1	1	3	2	9	12	10	21	24	11	8	2	104
C20 Rectum	0	1	0	0	3	0	6	10	17	32	71	70	113	101	76	98	3	601
C21 Anus and anal canal	0	0	0	0	1	1	0	0	4	6	4	9	8	18	10	10	0	71
C22 Liver and intrahepatic bile ducts	2	3	1	2	4	1	1	2	6	11	30	39	66	95	54	49	1	367
C23 Gall bladder	0	0	0	0	0	0	0	0	1	1	4	7	7	4	5	2	0	31
C24 Other and unspecified parts of the biliary tract	0	0	0	0	0	0	0	2	0	3	9	16	20	12	17	8	0	87
C25 Pancreas	0	0	0	0	0	0	1	4	6	8	14	9	13	13	13	14	0	95
C26 Other and ill defined digestive organs	0	0	0	0	0	0	1	1	0	1	3	3	8	3	3	4	0	27
C30 Nasal cavity and middle ear	0	0	0	0	2	0	3	4	0	1	3	7	11	8	5	8	0	52
C31 Accessory sinuses	0	0	0	0	2	0	0	2	0	5	6	6	8	5	3	3	0	40
C32 Larynx	1	0	1	1	0	1	2	3	21	41	68	128	125	124	111	112	2	741
C33 Trachea	0	0	0	0	0	0	0	0	0	1	0	2	3	2	0	0	0	8
C34 Bronchus and lung	0	1	1	0	1	5	6	8	23	58	179	218	278	315	228	161	5	1487
C37 Thymus	0	0	0	0	1	0	1	3	1	2	2	5	1	2	0	0	0	18
C38 Heart, mediastinum and pleura	0	0	1	5	2	4	5	0	1	2	5	3	3	5	4	2	0	42

Table 9 continued...

	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unknwn	Total
C39 Other and ill defined sites in the respiratory system and intrathoracic organs	0	0	0	0	0	0	0	0	0	3	3	4	7	2	5	1	0	25
C 40 Bone and articular cartilage of limbs	2	5	11	12	12	2	6	1	6	2	1	1	4	2	3	2	0	72
C41 Bone and articular cartilage of other and unspecified sites	3	4	4	14	4	3	6	3	4	2	2	2	2	3	3	1	0	60
C43 Melanoma of skin	0	0	0	0	0	0	1	1	2	1	9	9	4	8	3	12	0	50
C44 Other malignant neoplasms of skin	1	0	0	0	3	1	6	8	11	14	35	42	57	55	58	69	2	362
C45 Mesothelioma	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	1	0	6
C47 Peripheral nerves and autonomic nerves system	4	0	0	0	0	1	1	4	0	0	1	1	1	0	2	2	0	17
C48 Retroperitoneum and peritoneum	1	1	0	1	0	0	0	1	0	1	2	2	4	2	2	1	0	18
C49 Other connective and soft tissue	8	5	6	2	3	3	4	9	3	10	16	17	13	13	19	14	0	145
C50 Breast	0	0	0	0	0	1	6	8	17	20	32	38	25	20	13	19	0	199
C53 Cervix uteri	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
C54 Corpus uteri	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	4
C55 Uterus, part unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
C56 Ovary	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	3
C60 Penis	1	0	0	0	0	0	3	5	4	9	16	19	35	33	25	22	0	172
C61 Prostate	1	0	0	0	0	1	3	1	1	7	24	54	143	248	280	348	10	1121
C62 Testis	2	1	1	6	8	12	5	8	3	7	3	6	3	5	3	2	0	75
C63 Other and unspecified male genital organs	0	0	0	0	0	0	0	1	1	0	1	2	0	2	1	1	0	9
C64 Kidney, except renal pelvis	11	3	2	2	0	1	7	10	22	22	27	48	42	45	36	20	1	299
C65 Renal pelvis	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	4
C66 Ureter	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	3
C67 Bladder	2	0	0	0	2	5	6	8	15	17	65	79	108	142	127	153	0	729
C68 Other and unspecified urinary organs	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	0	5
C69 Eye and adnexa	18	2	1	0	0	0	2	1	0	4	2	3	3	3	1	1	0	41
C70 Meninges	0	0	0	0	0	1	0	3	1	3	2	2	5	1	2	0	0	20
C71 Brain	11	14	15	12	9	13	23	21	27	22	25	29	30	21	15	4	0	291
C72 Spinal cord, cranial nerves and other parts of central nervous system	0	2	0	1	0	0	0	0	0	1	1	3	2	0	0	0	0	10
C73 Thyroid gland	0	0	2	10	16	32	51	64	68	50	61	35	35	33	24	20	2	503
C74 Adrenal gland	5	0	0	0	0	0	0	0	3	3	1	1	3	1	0	1	0	18
C75 Other endocrine glands and related structures	0	0	0	0	0	2	0	1	2	1	2	3	0	0	1	0	0	12

Table 9 continued...

	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unknwn	Total
C76 Other and ill defined sites	5	1	1	0	0	1	0	2	4	3	6	11	7	7	9	9	0	66
C77 Secondary and unspecified malignant neoplasm of lymph nodes	0	0	1	0	1	1	2	0	1	1	0	3	6	3	2	5	0	26
C80 Neoplasm without specification of site	2	1	1	4	4	7	14	19	39	62	119	151	168	170	132	113	6	1012
C81 Hodgkin lymphoma	0	2	2	20	18	13	3	12	6	9	11	12	8	9	8	8	0	141
C82 Follicular lymphoma	0	0	0	1	0	0	4	1	3	1	5	3	2	5	2	2	0	29
C83 Non follicular lymphoma	2	2	1	2	1	1	3	1	3	6	6	1	8	7	9	2	2	57
C84 Mature T/NK lymphoma	0	0	1	1	2	0	2	1	3	2	4	3	4	6	1	2	0	32
C85 Other and unspecified types of non Hodgkin lymphoma	5	5	7	6	12	11	9	19	16	22	39	49	66	61	42	57	1	427
C86 Other specified types of T/NK cell lymphoma	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2
C88 Malignant immunoproliferative diseases	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2
C90 Multiple myeloma and malignant plasma cell neoplasms	0	0	0	0	0	0	1	6	8	20	25	36	43	53	42	33	2	269
C91 Lymphoid leukaemia	47	37	13	15	16	10	10	4	4	7	8	6	9	6	7	10	3	212
C92 Myeloid leukaemia	9	0	8	16	12	9	18	15	17	8	17	22	24	25	26	30	1	257
C93 Monocytic leukaemia	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	2	0	8
C94 Other leukaemias of specified cell type	2	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	8
C95 Leukaemia of unspecified cell type	1	1	1	5	0	2	1	1	1	2	2	2	0	2	5	4	0	30
C96 Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue	1	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0	5
D45 Polycythemia vera	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	0	4
C46 Myelodysplastic syndromes	0	1	0	0	0	0	0	0	0	0	2	2	1	1	2	3	0	12
D47 Other neoplasms of uncertain or unknown behaviour of lymphoid, haematopoietic and related tissue	0	0	1	0	0	0	0	0	1	1	0	0	0	2	1	3	0	9
Total	150	92	86	147	149	164	268	399	571	963	1773	2193	2543	2678	2133	2157	67	16533

Table 10: Number of cancers by 5-year age groups and ICD 10 site, among Females in Sri Lanka, 2016

	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unknwn	Total
C00 Lip	0	0	0	0	0	0	3	0	0	6	2	8	7	5	6	5	0	42
C01 Base of the tongue	0	0	0	0	0	0	0	1	2	1	3	1	4	6	4	5	1	28
C02 Other and unspecified parts of the tongue	0	0	0	0	1	1	1	5	5	7	19	27	28	28	16	20	0	158
C03 Gum	0	1	0	0	0	0	0	0	0	1	6	5	6	8	9	11	2	49
C04 Floor of the mouth	0	0	0	0	0	0	0	1	1	3	1	0	3	1	9	6	0	25
C05 Palate	0	0	1	0	0	2	0	3	5	1	4	6	8	6	14	12	1	63
C06 Other and unspecified parts of mouth	2	2	0	0	0	1	2	1	8	10	35	45	46	43	54	49	1	299
C07 Parotid gland	1	1	1	0	3	0	4	4	7	8	8	10	10	3	1	3	0	64
C08 Other and unspecified salivary glands	0	0	0	0	0	0	0	1	1	0	2	3	3	2	2	1	0	15
C09 Tonsil	0	0	0	0	0	0	0	1	2	1	4	6	4	2	5	3	1	29
C10 Oropharynx	0	0	0	0	0	0	0	2	0	0	3	0	4	3	3	8	0	23
C11 Nasopharynx	0	0	1	2	0	3	0	1	0	1	0	3	1	2	0	0	0	14
C12 Piriform sinus	0	0	0	0	0	0	0	4	0	1	3	3	5	8	5	10	0	39
C13 Hypopharynx	0	0	0	0	0	0	0	0	1	0	4	5	4	2	9	5	0	30
C14 Other and ill defined sites in the lip, oral cavity and pharynx	0	0	0	0	1	0	1	0	1	0	3	5	2	3	6	7	0	29
C15 Oesophagus	0	0	0	0	0	1	1	12	16	33	77	115	147	178	182	218	4	984
C16 Stomach	0	0	0	0	6	3	4	5	8	8	27	27	35	36	31	31	2	223
C17 Small intestine	0	0	0	0	0	0	2	1	2	3	3	10	5	7	7	10	0	50
C18 Colon	0	0	1	0	4	4	15	19	27	47	78	100	97	100	78	90	3	663
C19 Rectosigmoid junction	0	0	0	0	0	0	3	2	3	8	9	16	23	25	9	9	0	107
C20 Rectum	1	0	0	1	3	2	5	14	15	36	71	73	93	94	84	90	1	583
C21 Anus and anal canal	0	0	0	0	0	0	0	2	2	2	11	8	7	14	7	4	0	57
C22 Liver and intrahepatic bile ducts	5	2	0	1	0	0	0	1	4	6	16	15	21	21	14	26	4	136
C23 Gall bladder	0	0	0	0	0	0	1	0	2	3	2	10	8	12	8	7	1	54
C24 Other and unspecified parts of the biliary tract	0	0	0	0	0	1	1	1	3	4	13	10	12	14	6	5	0	70
C25 Pancreas	0	0	3	2	0	0	1	3	5	3	16	9	18	17	11	5	1	94
C26 Other and ill defined digestive organs	0	0	0	0	0	0	0	1	1	1	1	3	4	5	1	6	1	24
C30 Nasal cavity and middle ear	0	1	0	1	0	2	0	1	3	3	4	1	1	3	2	5	0	27
C31 Accessory sinuses	0	0	0	0	0	2	1	1	3	1	3	1	2	5	5	4	0	28
C32 Larynx	0	0	0	0	1	1	0	1	3	3	1	8	10	13	16	12	2	71
C33 Trachea	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	3
C34 Bronchus and lung	2	0	0	1	0	0	8	11	22	36	47	53	87	82	64	61	1	475
C37 Thymus	0	0	0	0	0	3	1	0	3	5	7	3	0	2	3	2	0	29

Table 10 continued...

	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Un known	Total
C38 Heart, mediastinum and pleura	0	0	1	0	0	0	0	0	1	3	1	3	1	0	2	0	0	12
C39 Other and ill defined sites in the respiratory system and intrathoracic organs	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	4
C 40 Bone and articular cartilage of limbs	0	4	16	11	2	3	0	0	1	3	2	2	3	3	1	0	0	51
C41 Bone and articular cartilage of other and unspecified sites	2	4	2	5	5	2	2	7	4	1	2	5	3	3	0	2	0	49
C43 Melanoma of skin	0	0	0	1	0	0	1	2	1	2	6	14	7	7	10	8	0	59
C44 Other malignant neoplasms of skin	0	0	0	1	0	4	4	14	6	12	31	33	26	52	39	75	2	299
C45 Mesothelioma	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0	0	4
C47 Peripheral nerves and autonomic nerves system	1	3	1	2	0	1	1	1	1	1	1	1	0	1	1	0	0	16
C48 Retroperitonium and peritonium	2	0	0	1	1	0	0	0	2	2	4	4	5	4	2	3	0	30
C49 Other connective and soft tissue	7	3	4	3	4	6	4	4	9	17	14	15	7	8	12	15	0	132
C50 Breast	2	1	0	1	5	24	113	247	417	600	616	649	540	476	292	301	18	4302
C51 Vulva	0	0	0	0	0	0	1	1	6	3	4	5	12	6	6	17	1	62
C52 Vagina	0	0	0	1	0	0	0	0	2	3	3	6	11	8	7	13	0	54
C53 Cervix uteri	1	0	0	0	3	0	19	40	75	111	193	193	186	181	121	113	10	1246
C54 Corpus uteri	0	0	0	0	2	3	4	17	15	38	105	132	142	129	65	48	4	704
C55 Uterus, part unspecified	0	0	1	0	3	1	3	7	13	15	30	51	47	46	25	31	0	273
C56 Ovary	4	3	9	19	20	25	27	52	68	113	141	138	159	130	95	84	4	1091
C57 Other and unspecified female genital organs	0	0	0	1	1	0	1	4	1	10	8	10	4	15	6	2	0	63
C58 Placenta	0	0	0	1	3	1	3	1	6	0	0	0	0	0	0	0	0	15
C64 Kidney, except renal pelvis	5	1	1	0	4	0	3	6	5	8	11	19	12	13	15	6	0	109
C65 Renal pelvis	0	0	0	0	0	0	0	0	1	1	0	0	3	2	0	0	0	7
C66 Ureter	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	1	0	6
C67 Bladder	3	0	0	1	5	1	2	3	6	8	20	21	25	34	26	25	0	180
C68 Other and unspecified urinary organs	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	3
C69 Eye and adnexa	14	8	1	1	0	0	1	1	0	0	2	0	3	0	1	1	1	34
C70 Meninges	0	0	0	0	0	0	2	7	8	8	8	8	3	5	3	0	0	52
C71 Brain	3	16	13	7	8	11	11	11	18	23	15	15	17	12	6	5	2	193
C72 Spinal cord, cranial nerves and other parts of central nervous system	5	0	0	0	1	2	1	2	1	0	0	1	2	0	0	0	0	15
C73 Thyroid gland	3	0	13	53	101	161	233	294	297	271	186	162	133	111	53	36	2	2109

Table 10 continued...

	00-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unknwn	Total
C74 Adrenal gland	6	2	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	13
C75 Other endocrine glands and related structures	0	0	0	0	0	0	1	3	1	1	1	0	1	0	1	1	0	10
C76 Other and ill defined sites	0	2	0	0	0	1	1	2	4	1	3	6	7	5	5	7	0	44
C77 Secondary and unspecified malignant neoplasm of lymph nodes	1	0	1	0	1	0	1	1	2	2	3	0	3	1	1	3	0	20
C80 Neoplasm without specification of site	2	2	3	2	2	2	13	16	31	43	60	85	95	98	79	86	3	622
C81 Hodgkin lymphoma	0	2	5	13	18	18	7	5	8	3	8	7	4	3	4	5	0	110
C82 Follicular lymphoma	0	0	0	0	0	2	3	2	2	2	3	6	5	4	3	1	0	33
C83 Non follicular lymphoma	1	2	0	1	1	3	1	3	2	1	5	4	10	3	6	10	0	53
C84 Mature T/NK lymphoma	0	1	1	0	1	0	0	1	1	1	2	2	1	2	1	0	0	14
C85 Other and unspecified types of non Hodgkin lymphoma	0	1	2	2	4	7	7	10	16	11	22	37	40	32	53	36	1	281
C88 Malignant immunoproliferative diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3
C90 Multiple myeloma and malignant plasma cell neoplasms	0	0	0	0	0	1	1	3	6	11	26	30	45	50	40	24	0	237
C91 Lymphoid leukaemia	29	16	13	11	7	6	6	3	2	4	1	8	7	7	2	8	0	130
C92 Myeloid leukaemia	8	2	6	4	12	13	11	17	9	16	26	28	25	24	24	22	0	247
C93 Monocytic leukaemia	0	0	0	0	1	1	0	0	0	1	2	1	1	1	1	0	0	9
C94 Other leukaemias of specified cell type	0	0	1	0	0	0	0	2	1	1	0	2	0	2	1	1	0	11
C95 Leukaemia of unspecified cell type	0	1	0	0	2	1	0	1	1	1	0	6	4	4	2	2	0	25
C46 Myelodysplastic syndromes	0	0	0	0	0	0	0	0	0	1	1	3	2	5	1	4	0	17
D47 Other neoplasms of uncertain or unknown behaviour of lymphoid, haematopoietic and related tissue	0	0	0	0	0	0	0	0	0	0	1	2	3	1	0	1	0	8
Total	111	81	101	150	236	326	543	890	1205	1598	2056	2305	2312	2243	1686	1729	74	17646

Table 11: Number of cancers by five-year age group and ICD 10 site categories among males in Sri Lanka, 2016

SITE	ALL AGE AGES UNK	Cases by age group (Period) - Male										ICD (10a)								
		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	75+	(%)	
Lip	120	-	-	-	-	-	1	4	10	16	17	16	15	17	19	19	0.7	C00		
Tongue	901	-	-	-	1	4	4	20	33	67	150	150	129	87	69	5.6	C01-02			
Mouth	1538	2	2	1	1	5	10	42	49	126	212	250	241	169	199	9.5	C03-06			
Salivary glands	93	-	-	3	-	3	2	1	7	8	9	10	10	20	15	0.6	C07-08			
Tonsil	228	-	-	-	-	-	1	4	13	28	37	38	26	19	23	1.4	C09			
Other oropharynx	145	-	-	-	-	-	-	-	5	10	30	27	25	13	12	0.9	C10			
Nasopharynx	41	-	1	3	1	-	-	1	4	2	8	7	6	5	3	0.3	C11			
Hypopharynx	307	-	-	-	-	-	2	2	9	19	97	63	52	40	30	1.9	C12-13			
Pharynx unspecified	109	-	-	-	1	-	-	2	5	15	19	18	10	11	14	0.7	C14			
Oesophagus	1245	-	-	-	1	2	1	10	21	63	156	207	232	219	163	7.7	C15			
Stomach	491	1	-	-	1	1	1	6	15	39	49	73	77	96	65	3.0	C16			
Small intestine	58	-	-	-	-	2	2	3	2	3	2	8	9	9	5	0.4	C17			
Colon	603	-	2	2	2	13	23	27	47	56	76	96	108	57	88	3.7	C18			
Rectum	705	-	1	1	3	1	7	13	19	41	83	80	134	125	87	4.4	C19-20			
Anus	71	-	-	-	1	1	1	4	6	4	9	8	18	10	10	0.4	C21			
Liver	367	2	3	1	2	4	1	2	6	11	30	39	66	95	49	2.3	C22			
Gallbladder etc.	118	-	-	-	-	1	1	4	4	13	23	27	16	22	10	0.7	C23-24			
Pancreas	95	0	-	-	-	-	-	1	4	6	8	14	9	13	14	0.6	C25			
Nose, sinuses etc.	92	0	-	-	4	-	3	6	6	9	13	19	13	8	11	0.6	C30-31			
Larynx	741	2	1	1	1	1	2	3	21	41	68	128	124	111	112	4.6	C32			
Trachea, bronchus and lung	1495	1	1	1	1	5	6	8	23	59	179	220	281	517	228	9.2	C33-34			
Other thoracic organs	60	-	1	1	5	3	4	6	3	2	4	7	4	7	4	0.4	C37-38			
Bone	131	5	9	14	26	16	16	4	10	4	3	6	5	6	3	0.8	C40-41			
Melanoma of skin	50	0	-	-	-	-	1	1	2	1	9	4	8	3	12	0.3	C43			
Other skin	362	2	-	-	3	7	6	8	17	14	35	42	57	55	69	2.2	C44			
Mesothelioma	6	-	-	-	-	-	-	-	-	1	1	2	1	-	-	0.0	C45			
Kaposi sarcoma	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	C46			
Connective and soft tissue	162	0	12	5	6	2	3	4	5	13	10	17	18	14	13	1.6	C47-C49			
Breast	199	0	-	-	-	-	1	6	8	17	20	32	38	25	20	1.2	C50			
Penis	172	0	1	-	-	-	3	5	4	9	16	19	35	33	22	1.1	C60			
Prostate	1123	10	-	-	-	1	3	1	7	25	54	143	248	280	349	6.9	C61			
Testis	75	2	1	1	6	8	12	5	8	3	7	3	3	3	2	0.5	C62			
Other male genital organs	9	0	-	-	-	-	1	1	1	1	2	1	2	1	1	0.1	C63			
Kidney	299	1	11	3	2	2	1	7	10	22	27	48	42	45	36	2.0	C64			
Renal pelvis	4	0	-	-	-	-	-	-	-	-	2	-	-	2	-	0.0	C65			
Ureter	3	0	-	-	-	-	-	-	-	-	2	-	-	1	-	0.0	C66			
Bladder	729	0	2	-	-	2	5	6	8	15	17	65	79	108	142	4.5	C67			
Other urinary organs	5	0	-	-	-	-	-	-	-	-	1	1	1	2	1	0.0	C68			
Eye	41	0	18	2	1	1	2	1	4	4	2	3	3	3	1	0.3	C69			
Brain, nervous system	327	0	17	16	15	13	9	14	23	26	28	34	37	22	17	4	2.0	C70-72		
Thyroid	503	2	-	2	10	16	32	51	64	68	50	61	35	35	24	20	5.1	C73		
Adrenal gland	18	0	-	-	-	-	-	3	3	1	1	3	1	1	1	0.1	C74			
Other endocrine	12	0	-	-	-	-	2	2	1	2	3	-	-	-	-	0.1	C75			
Hodgkin disease	141	0	2	2	20	18	15	3	12	6	9	11	12	8	8	0.9	C81			
Non-Hodgkin lymphoma	552	3	8	7	10	10	16	13	19	22	25	31	55	56	81	3.4	C82-85, C96			
Immunoproliferative diseases	2	0	-	-	-	-	1	-	-	-	-	-	-	1	-	0.0	C88			
Multiple myeloma	269	2	-	-	-	-	1	6	8	20	25	36	41	53	42	1.7	C90			
Lymphoid leukaemia	212	3	47	37	13	15	16	10	10	4	7	8	6	9	6	1.9	C91			
Myeloid leukaemia	273	1	11	8	16	12	9	19	16	18	10	20	25	25	32	1.7	C92-94			
Leukaemia unspecified	30	0	1	1	5	2	1	1	2	2	2	2	2	5	4	0.2	C95			
Myeloproliferative disorders	73	0	-	1	1	-	1	1	1	1	1	1	1	2	2	0.1	MPD			
Myelodysplastic syndromes	72	0	-	1	-	-	-	-	-	-	2	2	2	1	2	0.1	MDS			
Other and unspecified	1172	6	8	3	5	5	9	17	23	44	71	132	174	200	187	153	7.2	O&U		
All sites	16333	67	150	92	86	147	149	164	268	399	571	963	1773	2193	2543	2678	2133	2157	ALL	
All sites but C44	16171	65	149	92	86	147	146	163	262	391	560	949	1798	2151	2486	2623	2075	2088	100.0	ALL

Table built Tue Jul 13 11:57:13 IST 2021 by CanReg5.

Table 12: Number of cancers by five-year age group and ICD 10 site categories among females in Sri Lanka, 2016

National Cancer Registry Sri Lanka - 2016

SITE	ALL AGE AGES UNK	Cases by age group (Period) - Female													ICD (10th)				
		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+	(%)
Lip	42	-	-	-	-	-	3	-	-	6	2	8	7	5	6	5	0.2		
Tongue	186	-	-	-	-	1	1	6	7	8	22	28	32	34	20	24	1.1		
Mouth	436	2	3	1	-	3	5	14	15	15	40	56	63	58	86	78	2.5		
Salivary glands	79	1	1	-	-	-	4	5	8	8	10	13	13	5	3	4	0.5		
Tonsil	29	-	-	-	-	-	-	2	2	1	4	6	4	2	3	3	0.2		
Other oropharynx	23	-	-	-	-	-	-	2	1	1	3	3	4	3	3	8	0.1		
Nasopharynx	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1		
Hypopharynx	69	-	-	2	-	3	-	4	1	1	7	8	9	10	14	15	0.4		
Pharynx unspecified	29	-	-	-	-	-	-	4	1	1	3	5	2	3	6	7	0.2		
Oesophagus	984	-	-	-	-	1	1	12	16	33	77	115	147	178	182	218	5.7		
Stomach	223	-	-	-	-	3	4	5	8	8	27	27	35	36	31	31	1.3		
Small intestine	50	-	-	-	-	2	1	2	2	3	5	10	5	7	7	10	0.3		
Colon	663	-	-	-	-	4	15	19	27	47	78	100	97	100	78	90	3.8		
Rectum	690	1	1	1	1	2	8	16	18	44	80	89	116	119	93	99	4.0		
Anus	57	0	-	-	-	2	2	2	2	2	11	8	7	14	7	4	0.3		
Liver	136	4	2	-	-	4	1	4	6	6	16	15	21	21	14	26	0.8		
Gallbladder etc.	124	1	-	-	-	1	3	1	3	3	15	20	20	26	14	12	0.7		
Pancreas	94	-	-	-	-	1	3	1	3	3	16	9	18	17	11	5	0.5		
Nose, sinuses etc.	55	0	1	-	-	4	1	2	6	4	7	2	3	8	7	9	0.3		
Larynx	71	2	-	-	-	1	1	1	3	3	8	10	13	16	12	0.4			
Trachea, bronchus and lung	478	1	-	-	-	3	8	11	22	36	48	53	87	84	64	61	2.8		
Other thoracic organs	41	-	-	-	-	3	1	4	8	8	8	6	1	2	5	2	0.2		
Bone	100	2	8	18	16	7	5	2	7	5	4	4	7	6	6	1	0.6		
Melanoma of skin	59	0	-	-	-	4	4	1	6	12	37	33	26	52	39	73	1.7		
Other skin	299	2	-	-	-	4	4	14	6	12	37	33	26	52	39	73	1.7		
Mesothelioma	4	0	-	-	-	1	1	-	-	-	1	-	-	-	1	-	0.0		
Kaposi sarcoma	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0		
Connective and soft tissue	148	0	6	5	5	4	7	5	10	18	15	16	7	9	13	15	0.9		
Breast	4302	18	2	1	-	5	24	113	247	417	600	616	649	540	476	292	301	24.8	
Vulva	62	1	-	-	-	1	1	1	2	3	4	5	12	6	6	6	0.4		
Vagina	54	0	5	-	-	-	-	6	3	3	3	6	11	8	7	13	0.3		
Cervix uteri	1246	10	-	-	-	19	40	75	111	193	193	186	181	121	113	72	7.2		
Corpus uteri	704	4	-	-	-	3	4	17	15	98	105	132	142	129	65	48	4.1		
Uterus unspecified	273	0	-	-	-	1	9	7	13	15	30	51	47	46	25	31	1.6		
Ovary	1091	4	8	9	20	25	27	52	68	113	147	138	159	170	95	84	6.4		
Other female genital organs	63	0	-	-	-	1	1	4	1	10	8	10	4	15	6	2	0.4		
Placenta	15	0	-	-	-	1	3	1	6	1	-	-	-	-	-	-	0.1		
Kidney	109	0	3	1	1	3	1	6	5	8	11	19	12	13	15	6	0.6		
Renal pelvis	7	0	-	-	-	-	-	6	1	1	1	1	3	2	-	-	0.0		
Ureter	6	0	-	-	-	-	-	-	1	1	2	1	1	-	-	-	0.0		
Bladder	180	0	3	-	-	7	5	7	6	8	20	27	25	34	26	23	7.0		
Other urinary organs	3	0	-	-	-	-	-	3	-	-	-	-	-	1	-	-	0.0		
Eye	34	1	8	1	1	1	1	1	1	1	1	1	1	1	1	1	0.2		
Brain, nervous system	260	9	10	7	9	13	14	20	27	31	23	24	22	17	9	5	7.5		
Thyroid	2109	2	3	13	53	101	161	233	294	297	271	186	133	111	53	36	12.2		
Adrenal gland	13	0	2	-	-	-	-	-	-	2	2	-	-	2	-	1	0.1		
Other endocrine	10	0	-	-	-	-	-	3	1	1	1	-	-	-	-	-	0.1		
Hodgkin disease	110	0	2	5	13	18	18	7	5	8	3	8	7	4	3	4	0.6		
Non-Hodgkin lymphoma	381	1	4	3	3	6	12	11	16	21	15	32	49	56	41	63	4.7		
Immunoproliferative diseases	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0		
Multiple myeloma	237	0	-	-	-	-	-	1	3	6	11	26	30	45	50	40	2.4		
Lymphoid leukaemia	130	0	16	13	11	7	6	3	2	4	1	8	7	7	2	8	0.7		
Myeloid leukaemia	267	0	8	7	4	13	14	11	19	10	18	28	31	26	27	26	2.3		
Leukaemia unspecified	25	0	1	-	-	2	1	1	1	1	1	6	4	4	2	2	0.1		
Myeloproliferative disorders	8	0	-	-	-	-	-	-	-	-	1	2	3	1	1	1	0.0		
Myelodysplastic syndromes	17	0	-	-	-	-	-	-	-	-	1	1	3	2	5	1	0.1		
Other and unspecified	744	4	5	4	3	4	3	15	20	40	49	72	99	116	113	88	105	4.3	
All sites	17646	74	110	81	101	150	236	326	543	890	1205	1598	2056	2305	2312	2244	1686	1729	100.0
All sites but C44	17347	72	110	81	101	149	236	322	539	876	1199	1586	2025	2272	2286	2192	1647	1654	100.0

Table built Tue Jul 13 11:37:13 IST 2021 by CanReg5.

Table 13: Age Specific Incidence Rate, Crude Incidence Rate, Age Standardized Incidence Rate per 100 000 population and Cumulative Risk of cancers by five – Year age group and ICD 10 site categories among males in Sri Lanka, 2016

National Cancer Registry Sri Lanka - 2016

Cancer Incidence Data

Incidence per 100,000 by age group (Period) - Male

SITE	ALL AGE ACSRS UNK	Incidence per 100,000 by age group (Period) - Male										CRUDE RATE	CUM CUM ASIR	ICD (10m)																	
		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+											
Lip	120	-	-	-	-	-	-	-	-	-	-	0.1	0.6	0.6	1.6	2.6	3.3	3.6	5.1	9.0	8.1	1.2	0.7	0.06	0.13	1.1	C00				
Tongue	901	4	-	-	-	0.1	0.5	0.5	0.1	0.1	0.1	0.1	0.5	2.8	2.8	35.1	33.9	33.9	43.7	46.0	29.5	8.8	5.6	0.57	1.02	8.0	C01-C02				
Mouth	1538	3	0.2	-	0.2	0.1	0.6	1.2	0.4	0.1	0.1	0.4	0.2	5.9	7.1	19.6	43.3	56.5	81.7	89.4	85.2	15.0	9.5	0.85	1.71	13.9	C03-C06				
Salivary glands	95	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	0.6	0.04	0.11	0.9	C07-C08				
Tonsil	228	0	-	-	-	-	-	-	-	-	-	-	-	0.1	0.6	1.9	4.4	6.1	8.6	10.0	8.8	2.2	1.4	0.15	0.24	2.0	C09				
Other oropharynx	145	0	-	-	-	-	-	-	-	-	-	-	-	0.7	1.6	5.0	5.2	5.6	7.8	6.9	5.1	1.4	0.9	0.09	0.16	1.3	C10				
Nasopharynx	41	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	0.3	0.02	0.05	0.4	C11				
Hypopharynx	307	2	-	-	-	-	-	-	-	-	-	-	-	0.2	0.1	1.9	3.0	6.1	12.1	11.7	12.8	3.0	1.9	0.17	0.37	2.8	C12-C13				
Pharynx unspecified	109	1	-	-	-	-	-	-	-	-	-	-	-	0.3	0.7	2.0	2.5	3.6	4.1	3.4	6.0	1.1	0.7	0.07	0.11	1.8	C14				
Oesophagus	1245	6	-	-	-	-	-	-	-	-	-	-	0.1	0.3	0.1	1.4	9.8	25.8	39.7	52.4	74.2	12.1	7.7	0.67	1.47	11.3	C15				
Stomach	401	1	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.7	0.8	2.2	6.1	17.4	32.5	34.4	4.8	3.0	0.35	0.58	4.5	C16				
Small intestine	58	0	-	-	-	-	-	-	-	-	-	-	-	0.2	0.3	0.4	0.3	1.5	1.7	3.0	4.8	0.6	0.4	0.03	0.07	0.5	C17				
Colon	603	6	-	-	-	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.6	3.9	7.3	9.3	14.6	21.7	36.6	30.1	37.7	3.9	3.7	0.31	0.65	5.4	C18				
Rectum	705	5	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.8	1.8	2.8	6.4	13.7	15.3	30.3	6.9	4.4	0.36	0.81	6.4	C19-C20				
Anus	71	0	-	-	-	-	-	-	-	-	-	-	-	0.6	0.9	0.7	1.7	1.8	6.1	5.3	4.3	0.7	0.4	0.03	0.09	0.7	C21				
Liver	367	1	-	-	-	-	-	-	-	-	-	-	0.3	0.9	1.7	5.0	7.5	14.9	32.2	28.5	21.0	3.6	2.3	0.16	0.46	3.4	C22				
Gallbladder etc.	118	0	-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.6	2.1	4.4	5.4	11.6	4.3	11.6	1.1	0.7	0.07	0.15	1.1	C23-C24				
Pancreas	95	0	-	-	-	-	-	-	-	-	-	-	0.1	0.6	0.9	1.2	2.3	1.7	2.9	4.4	6.0	0.9	0.6	0.05	0.11	0.9	C25				
Nose, sinuses etc.	92	0	-	-	-	-	-	-	-	-	-	-	0.4	0.8	0.9	1.5	2.5	4.3	4.4	4.2	4.7	0.9	0.6	0.05	0.10	0.8	C30-C31				
Larynx	741	2	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.4	3.0	6.4	11.2	24.5	28.2	47.9	7.2	4.6	0.37	0.88	6.7	C32				
Trachea, bronchus and lung	1495	5	-	-	-	-	-	-	-	-	-	-	0.1	0.6	0.7	1.1	3.3	9.2	29.6	42.2	63.5	14.6	9.2	0.76	1.90	13.7	C33-C34				
Other thoracic organs	60	0	-	-	-	-	-	-	-	-	-	-	0.1	0.6	0.4	0.5	0.7	0.4	1.2	1.5	0.9	0.6	0.4	0.04	0.06	0.5	C37-C38				
BOOE	131	0	0.5	1.0	1.6	3.0	2.1	0.6	1.4	0.6	1.5	0.6	0.5	0.6	1.4	1.7	3.2	1.3	1.3	0.8	0.08	0.10	1.3	0.8	0.08	0.10	1.3	C40-C41			
Melanoma of skin	50	0	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.3	0.2	1.5	1.7	0.9	2.7	1.6	0.5	0.3	0.02	0.05	0.4	C43				
Other skin	362	2	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.7	1.1	2.6	3.2	12.9	16.6	20.7	3.5	2.2	0.17	0.41	3.3	C44				
Mesothelioma	6	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.0	0.00	0.01	0.1	C45				
Kaposi sarcoma	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	C46				
Connective and soft tissue	162	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	1.0	0.09	0.17	1.5	C47-C49				
Breast	199	0	-	-	-	-	-	-	-	-	-	-	-	1.9	1.2	3.1	5.3	7.3	5.6	6.8	8.1	1.9	1.2	0.13	0.20	1.7	C50				
Penis	172	0	-	-	-	-	-	-	-	-	-	-	0.4	0.7	0.6	1.4	2.6	3.6	7.9	11.2	9.4	1.7	1.1	0.09	0.21	1.6	C60				
Prostate	1125	10	-	-	-	-	-	-	-	-	-	-	0.1	0.4	0.1	1.1	4.1	10.4	32.3	84.0	148.0	10.9	6.9	0.23	1.42	10.5	C61				
Testis	75	0	-	-	-	-	-	-	-	-	-	-	0.2	0.1	0.1	0.4	1.1	0.5	1.2	0.7	1.7	0.7	0.5	0.03	0.06	0.7	C62				
Other male genital organs	9	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.00	0.01	0.1	C63				
Kidney	299	1	-	-	-	-	-	-	-	-	-	-	0.1	0.8	1.4	3.2	3.4	4.5	9.2	9.5	15.2	2.9	1.8	0.17	0.34	2.7	C64				
Renal pelvis	4	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.01	0.0	C65				
Ureter	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.01	0.0	C66				
Bladder	720	0	-	-	-	-	-	-	-	-	-	-	-	0.2	2.6	10.7	15.2	34.4	48.7	67.1	65.5	7.1	4.5	0.29	0.67	6.7	C67				
Other urinary organs	5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.01	0.0	C68				
EYE	41	0	2.0	0.2	0.1	-	-	-	-	-	-	-	0.2	0.1	0.2	0.1	0.3	0.6	0.7	1.0	0.5	0.4	0.4	0.3	0.02	0.03	0.4	C69			
Brain, nervous system	327	2	-	-	-	-	-	-	-	-	-	-	-	1.8	2.8	3.4	4.1	4.0	4.0	8.4	7.5	1.7	3.1	2.0	0.21	0.30	3.0	C70-C73			
Thyroid	503	0	-	-	-	-	-	-	-	-	-	-	0.2	1.2	2.1	4.1	6.1	9.0	9.9	7.8	11.3	8.6	4.9	3.1	0.33	0.45	4.5	C73			
Adrenal gland	18	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.1	0.01	0.01	0.2	C74				
Other endocrine	12	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.01	0.01	0.1	C75				
Hodgkin disease	141	0	-	-	-	-	-	-	-	-	-	-	-	0.2	0.2	2.9	1.7	0.4	1.7	0.9	1.4	1.8	3.0	4.2	3.4	1.4	0.9	0.09	0.12	1.3	C81
Non-Hodgkin lymphoma	552	3	-	-	-	-	-	-	-	-	-	-	0.8	1.2	1.2	1.7	2.3	3.1	3.6	4.8	9.1	10.7	5.4	3.4	0.30	0.58	5.1	C82-C85			
Immunoproliferative diseases	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	C88				
Multiple myeloma	269	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	1.7	0.13	0.33	2.5	C90				
Lymphoid leukaemia	212	3	-	-	-	-	-	-	-	-	-	-	0.1	0.8	1.2	3.1	4.1	6.9	9.7	18.0	22.2	2.1	1.5	0.12	0.15	2.2	C91				
Myeloid leukaemia	273	1	-	-	-	-	-	-	-	-	-	-	0.9	1.9	1.6	2.3	2.2	2.6	1.6	3.3	4.8	2.7	1.7	0.15	0.26	2.3	C92-C94				
Leukaemia unspecified	30	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.2	0.01	0.03	0.3	C95				
Myeloproliferative disorders	23	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.00	0.01	0.1	MPSD				
Myelodysplastic syndromes	12	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.01	0.01	0.1	MDS				
Other and unspecified	1172	6	-	-	-																										

Table 14: Age Specific Incidence Rate, Crude Incidence Rate, Age Standardized Incidence Rate per 100 000 population and Cumulative Risk of cancers by five – Year age group and ICD 10 site categories among females in Sri Lanka, 2016

National Cancer Registry Sri Lanka - 2016

Cancer Incidence Data
Incidence per 100,000 by age group (Period) - Female

SITE	ALL AGE ACRS UNK	Incidence per 100,000 by age group (Period) - Female										CRUDE RATE (%)	CUM CUM ANR ICD		ICD (10a)														
		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+										
Lip	42						0.3		0.9	0.3	1.4	1.4	1.4	1.4	2.5	1.4	0.4	0.2	0.02	0.04	0.3	C00							
Tongue	186						0.1	0.8	1.0	1.2	3.3	4.8	6.2	9.4	8.3	7.2	1.7	1.1	0.09	0.18	1.4	C01-C02							
Mouth	456						0.4	0.7	1.9	2.2	8.9	9.6	12.3	16.0	33.9	22.6	4.0	2.3	0.18	0.44	3.3	C03-C06							
Salivary glands	79						0.5	0.7	1.1	1.5	2.2	2.5	1.4	1.3	1.2		0.7	0.5	0.05	0.06	0.6	C07-C08							
Tonsil	29							0.1	0.3	0.1	0.6	1.0	0.8	0.6	2.1	0.9	0.3	0.2	0.02	0.03	0.2	C09							
Other oropharynx	23							0.3					0.8	0.8	1.3	2.3	0.2	0.1	0.01	0.02	0.2	C10							
Nasopharynx	14								0.1	0.2							0.1	0.1	0.01	0.01	0.1	C11							
Hypopharynx	69								0.1								0.6	0.4	0.02	0.07	0.5	C12-C13							
Pharynx unspecified	29							0.5	0.1								0.3	0.2	0.01	0.03	0.2	C14							
Oesophagus	984						0.1	1.6	2.2	4.7	11.6	19.6	28.7	49.0	75.9	63.1	9.0	5.7	0.34	0.97	7.3	C15							
Stomach	223						0.1	0.4	0.5	0.7	1.1	1.2	4.1	4.6	6.8	9.9	2.0	1.3	0.10	0.22	1.7	C16							
Small intestine	50							0.2	0.1	0.3	0.4	0.5	1.7	1.0	1.9	2.9	0.5	0.3	0.02	0.05	0.4	C17							
Colon	663						0.1	0.5	0.5	1.7	2.5	3.7	6.8	11.7	18.9	27.5	6.1	3.8	0.32	0.62	5.0	C18							
Rectum	690						0.1	0.4	0.2	0.9	2.1	2.5	6.3	12.0	15.2	22.6	6.3	4.0	0.31	0.67	5.2	C19-C20							
Anus	57							0.3	0.3	0.3	1.7	1.4	1.4	3.9	2.9	1.2	0.5	0.3	0.03	0.06	0.4	C21							
Liver	136							0.1	0.6	0.9	2.4	2.5	4.1	5.8	5.8	7.5	1.2	0.8	0.06	0.12	1.1	C22							
Gallbladder etc.	124							0.1	0.7	1.0	2.3	3.4	3.9	7.2	5.8	3.5	1.1	0.7	0.06	0.12	0.9	C23-C24							
Pancreas	94							0.4	0.2		0.7	1.0	1.5	3.5	4.7	4.6	0.9	0.5	0.05	0.10	0.7	C25							
Nose, sinuses etc.	55							0.1	0.3	0.8	0.6	1.1	0.5	2.2	2.9	2.6	0.6	0.4	0.02	0.05	0.4	C30-C31							
Larynx	71							0.1	0.4	0.4	0.2	1.4	2.0	3.6	6.7	3.5	0.6	0.4	0.02	0.08	0.5	C32							
Trachea, bronchus and lung	478						0.2	1.5	5.0	5.2	7.2	9.0	17.0	23.1	26.7	17.7	4.4	2.8	0.22	0.47	3.7	C33-C34							
Other thoracic organs	41							0.4	0.1		0.6	1.2	1.0	0.2	0.6	2.1	0.6	0.4	0.2	0.02	0.04	0.3	C37-C38						
Bone	100						0.2	0.9	2.1	1.9	0.9	0.6	0.2	0.9	0.7	1.2	0.6	0.5	0.6	0.06	0.07	0.9	C40-C41						
Melanoma of skin	59							0.3	0.1	0.3	0.9	2.4	1.4	1.9	4.2	2.3	0.5	0.3	0.03	0.06	0.4	C43							
Other skin	299							0.5	1.9	0.8	1.7	4.7	5.6	5.1	16.3	21.7	2.7	1.7	0.10	0.26	2.2	C44							
Mesothelioma	4							0.1			0.1												C45						
Kaposi sarcoma	0																						C46						
Connective and soft tissue	148						0.9	0.7	0.6	0.5	0.8	0.6	0.7	1.4	2.6	2.3	2.7	1.4	2.5	5.4	4.3	C47-C49							
Breast	4302						0.2	0.1		0.1	0.6	2.8	12.9	32.8	57.4	85.3	92.7	110.7	105.4	131.0	121.8	87.1	C50						
Vulva	62							0.1	0.8	0.4	0.6	1.0	2.3	1.7	2.5	4.9	0.6	0.4	0.03	0.05	0.5	C51							
Vagina	54							0.1	0.3	0.4	0.5	0.9	2.1	2.2	2.9	3.8	0.5	0.3	0.02	0.05	0.4	C52							
Cervix uteri	1246						0.1	0.4		0.4	0.6	2.9	32.9	36.5	49.8	50.5	32.7	11.4	7.2	0.67	1.17	9.5	C53						
Corpus uteri	704						0.2	0.4	0.5	2.3	2.1	5.5	15.8	23.5	27.7	35.5	27.1	6.4	4.1	0.39	0.70	5.4	C54						
Uterus unspecified	273						0.4	0.1	0.3	0.9	1.8	2.2	4.5	8.7	9.2	12.7	9.0	2.5	1.6	0.14	0.26	2.1	C55						
Ovary	1091						0.4	0.3	1.1	2.2	2.4	4.0	6.9	16.1	21.2	24.5	11.0	10.0	6.5	0.61	0.98	8.6	C56						
Other female genital organs	63							0.1	0.1	0.1	0.5	0.1	1.4	1.2	1.7	0.6	0.6	0.4	0.03	0.06	0.5	C57							
Placenta	15								0.1	0.4	0.1	0.3	0.1	0.8			0.1	0.1	0.01	0.01	0.1	C58							
Kidney	109						0.6	0.1	0.1	0.5	0.7	1.2	1.7	3.2	3.6	6.3	1.7	1.0	0.6	0.06	0.11	0.9	C64						
Renal pelvis	7										0.1												C65						
Ureter	6										0.1	0.3	0.2	0.2	0.6		0.1	0.0	0.00	0.01	0.1	C66							
Bladder	180						0.3			0.7	0.6	0.7	0.8	9.4	10.8	7.2	1.6	1.0	0.08	0.18	1.4	C67							
Other urinary organs	3										0.2	0.4	0.8	0.3			0.0	0.0	0.00	0.00	0.0	C68							
Eye	34						1.6	0.9	0.1	0.1							0.3	0.2	0.02	0.02	0.4	C69							
Brain, nervous system	260						0.9	1.8	1.5	0.8	1.1	7.5	1.6	2.7	3.7	4.5	3.5	4.1	4.3	4.7	3.8	7.4	C70-C72						
Thyroid	2109						0.3		1.5	6.2	12.3	19.1	26.6	39.1	40.9	28.0	27.6	26.0	30.5	32.1	10.4	19.3	12.2	1.33	1.60	17.1	C73		
Adrenal gland	13						0.7	0.2									0.3	0.1	0.1	0.01	0.01	0.1	C74						
Other endocrine	10																0.2	0.1	0.01	0.01	0.1	C75							
Hodgkin disease	110							0.2	0.6	1.5	2.2	2.1	0.8	0.7	1.1	0.4	1.2	1.2	0.8	0.8	1.7	1.4	1.0	0.6	0.06	0.08	1.0	C81	
Non-Hodgkin lymphoma	381						0.1	0.4	0.4	0.5	0.7	1.4	1.3	2.1	2.9	2.2	4.8	8.4	10.9	11.3	26.3	13.6	3.5	2.2	0.18	0.37	3.0	C82-C85,C96	
Immunoproliferative diseases	3																							0.0	0.0	0.00	0.01	0.0	C88
Multiple myeloma	237																							2.2	1.4	0.10	0.26	1.8	C90
Lymphoid leukaemia	150						5.2	1.8	1.5	1.5	0.9	0.7	0.4	0.3	0.6	0.2	1.4	1.4	1.9	0.8	2.3	1.2	0.7	0.07	0.08	1.3	C91		
Myeloid leukaemia	267						0.9	0.2	0.8	0.5	1.6	1.7	1.3	2.5	1.4	2.6	4.2	5.3	5.1	7.4	10.8	8.7	2.4	1.5	0.14	0.23	2.2	C92-C94	
Leukaemia unspecified	25							0.1															0.2	0.1	0.01	0.02	0.2	C95	
Myeloproliferative disorders	8																						0.2	0.0	0.01	0.01	0.1	MFD	
Myelodysplastic syndromes	17																						0.2	0.1	0.01	0.01	0.1	MDS	
Other and unspecified	744						0.6	0.4	0.5	0.3	0.5	0.4	1.7	2.7	5.5	7.0	10.8	16.9	22.6	31.1	36.7	30.4	6.8	4.3	0.35	0.69	5.7	ALL	
All sites	17646						12.2	9.0	12.0	17.5	28.7	38.7	61.9	118.2	165.9	229.9	309.5	393.1	451.2	617.4	703.3	500.6	161.3	9.28	15.91	137.4	ALL		
All sites but C44	17347						12.2	9.0	12.0	17.3	28.7	38.2	61.4	116.4	165.1	228.1	304.8	387.5	446.2	603.1	687.1	478.9	158.6	10.00	9.17	15.65	136.2	ALL/C44	

Table built Tue Jul 13 11:38:54 EST 2021 by CanReg5.

Reference population: World Standard Population

Table 15: Lip, Tongue and Mouth cancers incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Male	2558	15.8	22.9	2.89
Female	664	3.8	5.0	0.65

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site	Male	Female
C00.0 External upper lip	13	1
C00.1 External lower lip	22	17
C00.3 Mucosa of upper lip	2	0
C00.4 Mucosa of lower lip	6	5
C00.5 Mucosa of lip, NOS	2	0
C00.6 Commissure of lip	53	12
C00.8 Overlapping lesion of lip	3	1
C00.9 Lip, NOS	19	6
C01.9 Malignant neoplasm of base of tongue	230	28
C02.0 Dorsal surface of tongue	7	7
C02.1 Border of tongue	134	32
C02.2 Ventral surface of tongue	25	3
C02.3 Anterior 2/3 of tongue	6	2
C02.4 Lingual tonsil	1	1
C02.8 Overlapping lesion of tongue	2	0
C02.9 Tongue, NOS	496	113
C03.0 Upper gum	22	14
C03.1 Lower gum	48	20
C03.9 Gum, NOS	55	15
C04.0 Anterior floor of mouth	3	0
C04.1 Lateral floor of mouth	5	2
C04.8 Overlapping lesion of mouth	1	0
C04.9 Floor of mouth, NOS	146	23
C05.0 Hard palate	22	10
C05.1 Soft palate, NOS	124	16
C05.2 Uvula	18	5
C05.8 Overlapping lesion of palate	6	1
C05.9 Palate, NOS	73	31
C06.0 Cheek mucosa	603	190
C06.1 Vestibule of mouth	32	9
C06.2 Retromolar area	92	10
C06.8 Overlapping lesion of other/unspecified parts of mouth	42	11
C06.9 Mouth, NOS	245	79
Total	2558	664

Table 15 continued...

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	114	35
8004	Malignant tumor, spindle cell type	1	0
8010	Carcinoma, NOS	38	9
8032	Spindle cell carcinoma, NOS	3	1
8050	Papillary carcinoma, NOS	2	1
8051	Verrucous carcinoma, NOS	56	12
8052	Papillary squamous cell carcinoma	2	0
8070	Squamous cell carcinoma, NOS	2201	523
8071	Squamous cell carcinoma, keratinizing	49	11
8072	Squamous cell carcinoma, large	2	2
8074	Squamous cell carcinoma, spindle	1	0
8076	Squamous cell carcinoma, micro invasive	5	4
8083	Basaloid squamous cell carcinoma	22	2
8140	Adenocarcinoma, NOS	13	11
8200	Adenoid cystic carcinoma	20	12
8260	Papillary adenoma	1	1
8310	Clear cell adenocarcinoma, NOS	0	4
8430	Mucoepidermoid carcinoma	13	26
8440	Cystadenocarcinoma	0	1
8441	Serous cystadenocarcinoma	0	1
8480	Mucinous adenocarcinoma	1	0
8550	Acinar cell carcinoma	1	1
8560	Adenosquamous carcinoma	4	0
8562	Epithelial-myoepithelial carcinoma	1	0
8720	Malignant melanoma, NOS (except juvenile melanoma)	3	1
8800	Sarcoma, NOS	0	1
8806	Desmoplastic small round cell	0	1
8811	Fibromyxosarcoma	1	2
8895	Myosarcoma	0	1
8920	Alveolar rhabdomyosarcoma	1	0
8941	Carcinoma in pleomorphic adenoma	1	1
8982	Malignant myoepithelioma	1	0
9040	Synovial sarcoma, NOS	1	0
Total		2558	664

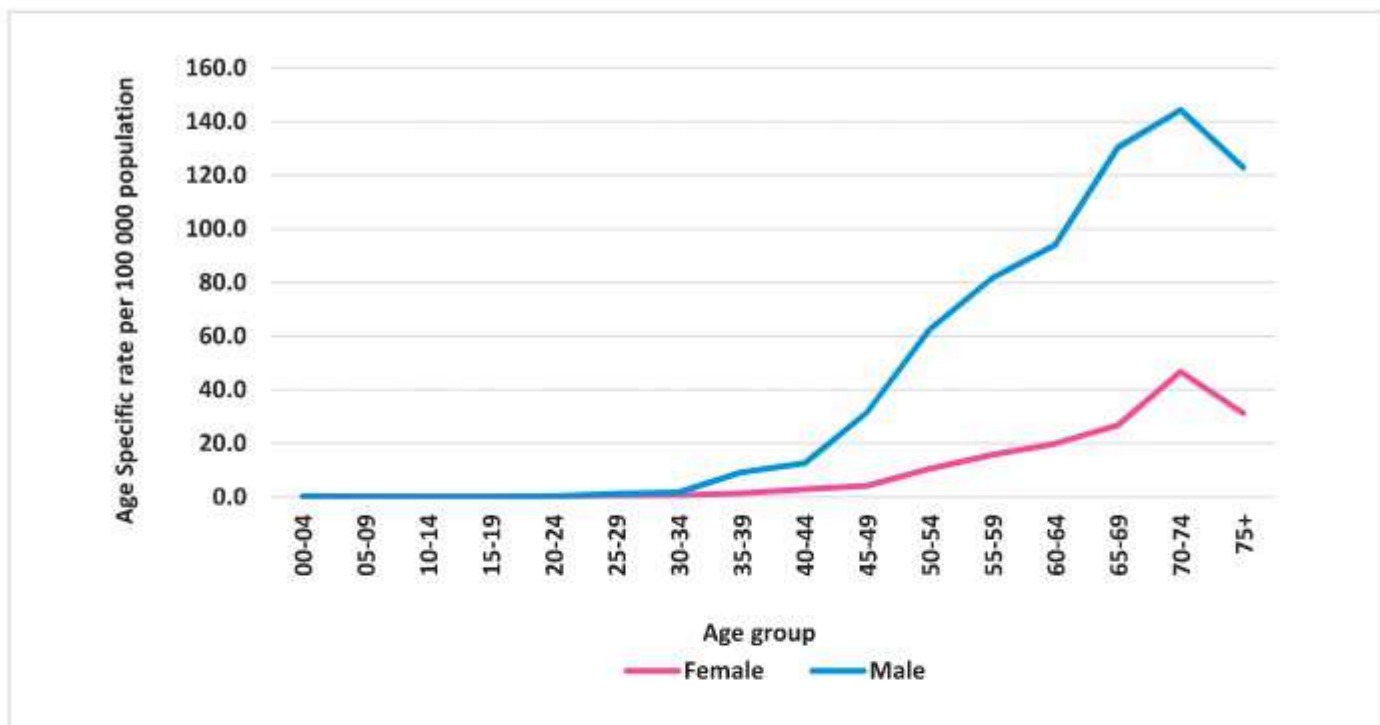


Figure 20: Age Specific Rates of Lip, Tongue and Mouth cancers in Sri Lanka, 2016

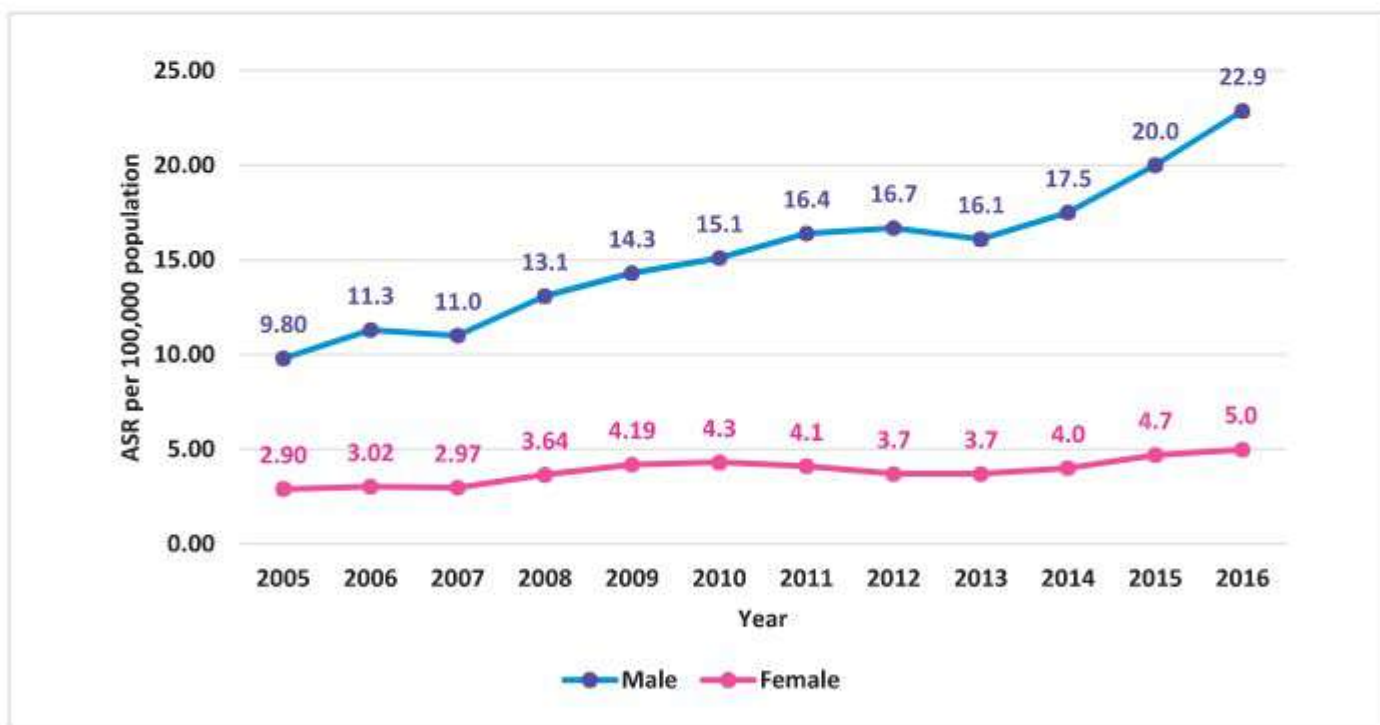


Figure 21: Age Standardized incidence Rates of Lip, Tongue and Mouth cancers in Sri Lanka, 2005-2016

Table 16: Pharyngeal cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Male	830	5.2	7.5	0.93
Female	164	1	1.2	0.15

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site		Male	Female
C09.0	Tonsillar fossa	12	2
C09.1	Tonsillar pillar	8	0
C09.8	Overlapping lesion of tonsil	3	1
C09.9	Tonsil, NOS	205	26
C10.0	Vallecula	96	13
C10.1	Anterior surface of epiglottis	5	2
C10.2	Lateral wall of oropharynx	1	0
C10.3	Posterior wall of oropharynx	2	1
C10.9	Oropharynx, NOS	41	7
C11.0	Superior wall of nasopharynx	2	1
C11.1	Posterior wall of nasopharynx	0	1
C11.8	Overlapping lesion of nasopharynx	1	0
C11.9	Nasopharynx, NOS	38	12
C12.9	Piriform sinus	234	39
C13.0	Postcricoid region	28	22
C13.1	Aryepiglottic fold	36	7
C13.2	Posterior wall of hypopharynx	2	0
C13.8	Overlapping lesion of hypopharynx	2	0
C13.9	Laryngopharynx, Hypopharynx NOS	5	1
C14.0	Pharynx, NOS	94	25
C14.8	Overlapping lesion of lip, oral cavity,pharynx	15	4
Total		830	164

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	48	13
8004	Malignant tumor, spindle cell type	0	1
8010	Carcinoma, NOS	34	9
8032	Spindle cell carcinoma, NOS	2	1
8041	Small cell carcinoma, NOS	1	0
8051	Verrucous carcinoma	1	0
8052	Papillary squamous cell carcinoma	1	2
8070	Squamous cell carcinoma, NOS	668	127
8071	Squamous cell carcinoma, keratanizing	39	3
8072	Squamous cell carcinoma, large	7	4
8076	Squamous cell carcinoma, microinvasive	10	0
8082	Lymphoepithelial carcinoma	1	0
8083	Basaloid squamous cell carcinoma	6	0
8140	Adenocarcinoma, NOS	5	3

Table 16 continued...

ICD O code and histology		Male	Female
8200	Adenoid cystic carcinoma	2	0
8260	Papillary adenocarcinoma	1	0
8430	Mucoepidermoid carcinoma	1	1
8560	Adenosquamous carcinoma	1	0
8800	Sarcoma, NOS	2	0
Total		830	164

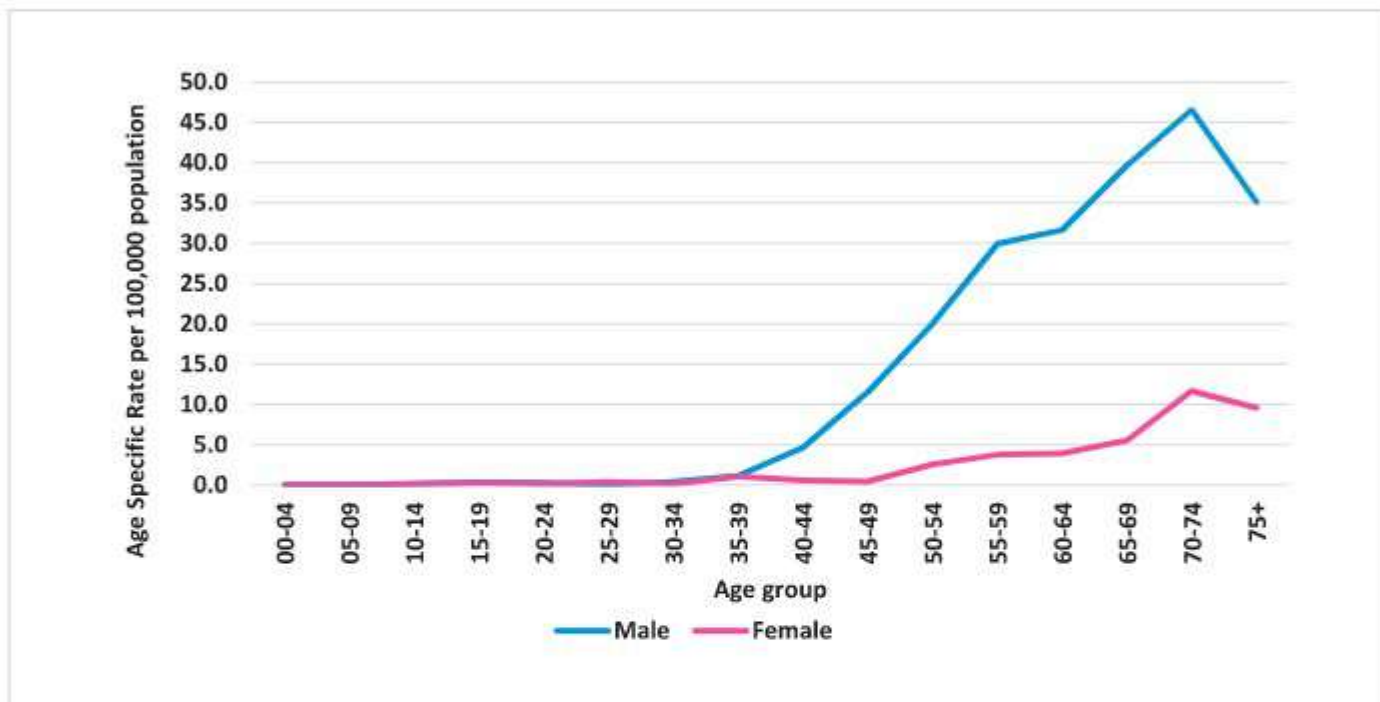


Figure 22: Age Specific Incidence Rate of Pharyngeal cancers in Sri Lanka, 2016

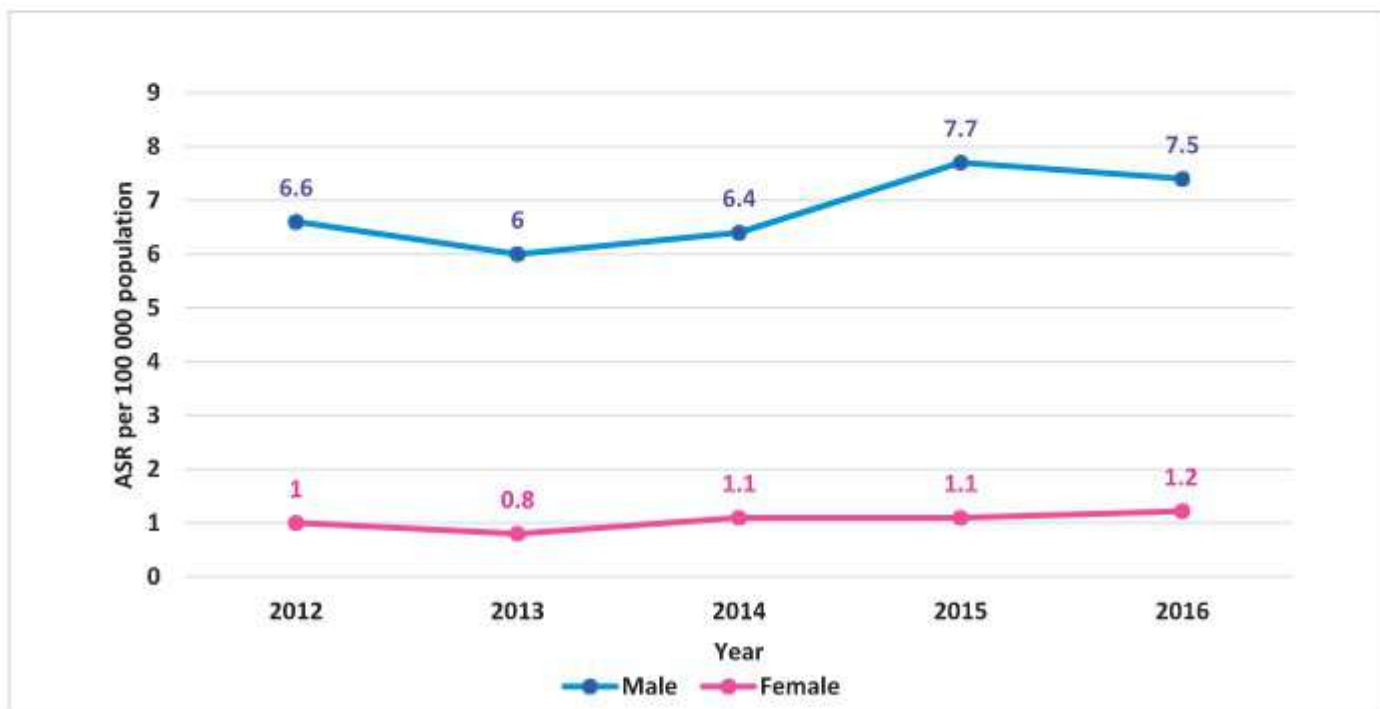


Figure 23: Age standardized incidence rates of Pharyngeal cancers in Sri Lanka, 2012-2016

Table 17: Oesophageal cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Male	1245	7.7	11.3	1.46
Female	984	5.7	7.3	0.96

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site	Male	Female
C15.0 Cervical oesophagus	2	2
C15.1 Thoracic part of oesophagus	4	2
C15.2 Abdominal part of oesophagus	7	9
C15.3 Upper third of oesophagus	18	18
C15.4 Middle third of oesophagus	121	105
C15.5 Lower third of oesophagus	260	221
C15.8 Overlapping lesion of oesophagus	5	0
C15.9 Oesophagus, NOS	828	627
Total	1245	984

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	101	61
8010 Carcinoma, NOS	41	31
8032 Spindle cell carcinoma, NOS	2	0
8070 Squamous cell carcinoma, NOS	837	806
8071 Squamous cell carcinoma, keratinizing, NOS	40	19
8072 Squamous cell carcinoma, large	6	0
8076 Squamous cell carcinoma, microinvasive	2	3
8083 Basaloid squamous cell carcinoma	1	4
8140 Adenocarcinoma, NOS	203	55
8200 Adenoid cystic carcinoma	0	1
8480 Mucinous adenocarcinoma	3	0
8490 Signet ring cell carcinoma	6	2
8560 Adenosquamous carcinoma	2	1
8936 Gastrointestinal stromal sarcoma	1	1
Total	1245	984

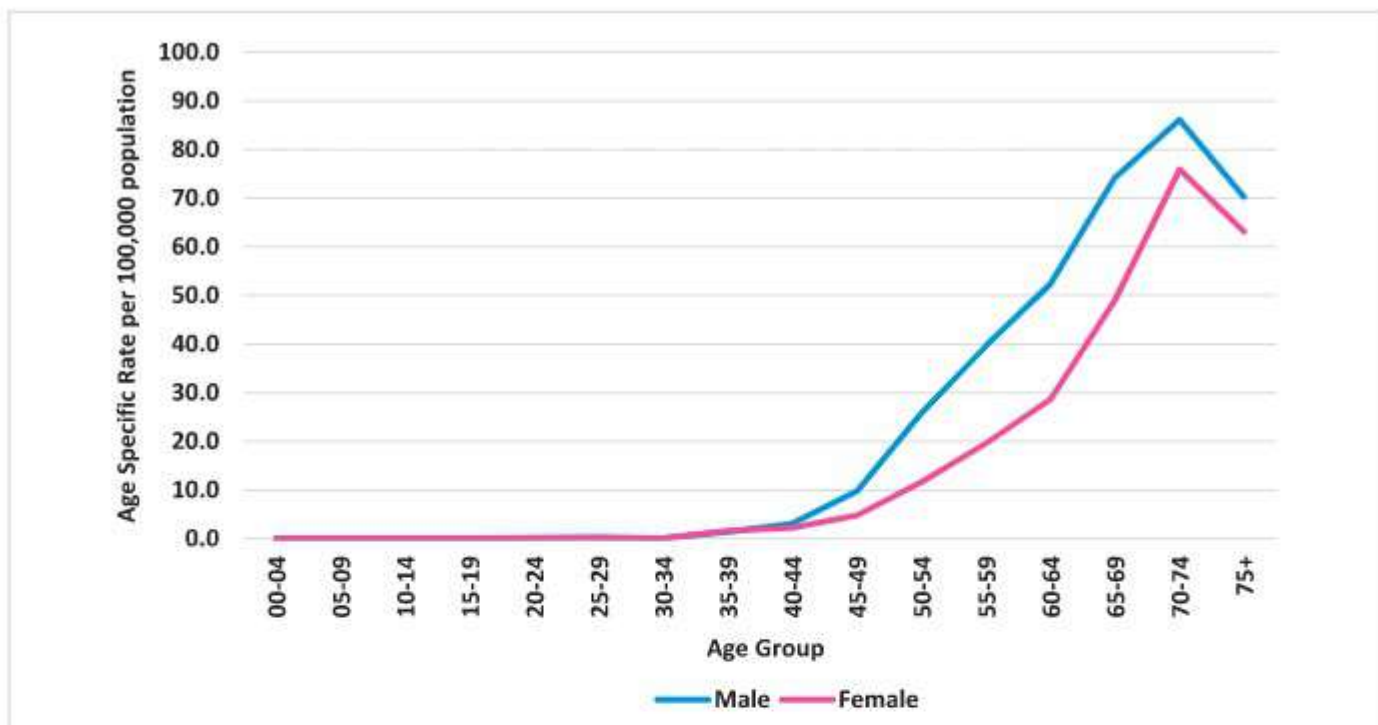


Figure 24: Age Specific incidence Rates of Oesophageal cancers in Sri Lanka, 2016

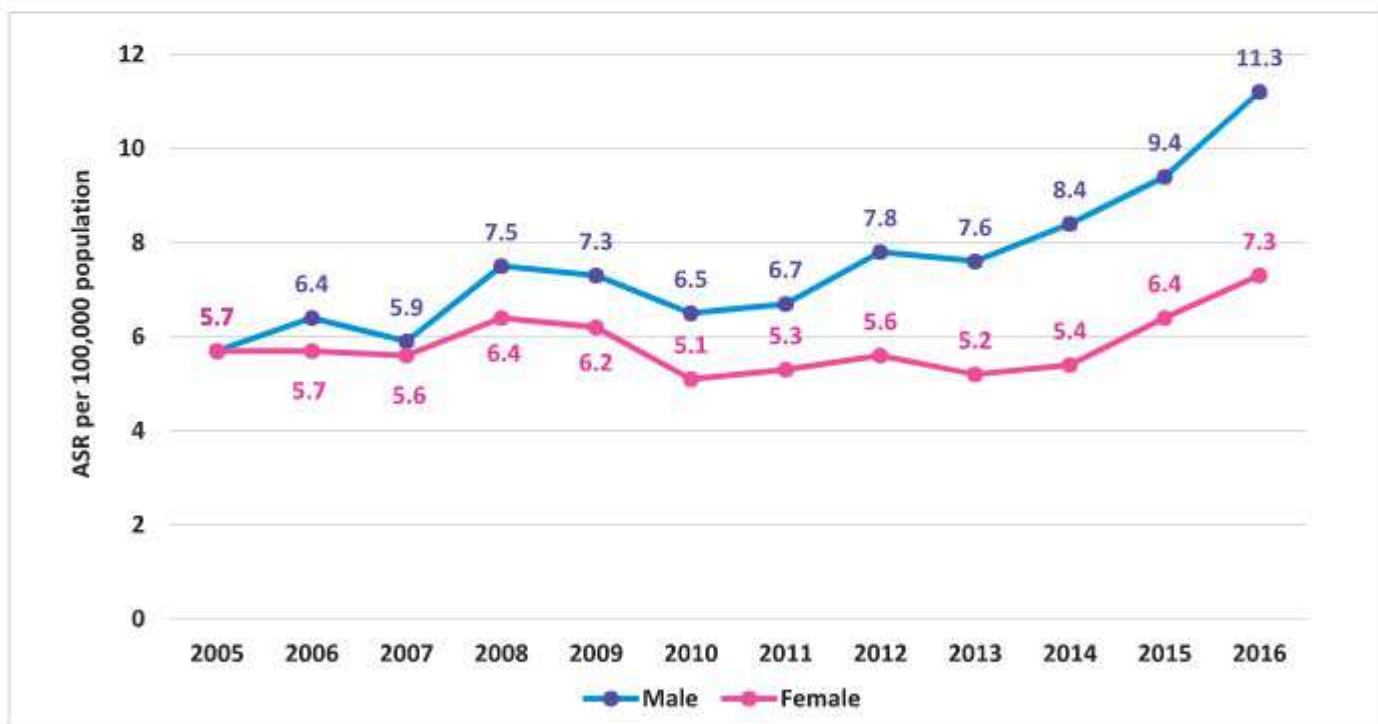


Figure 25: Age standardized incidence rates of Oesophageal cancers in Sri Lanka, 2005-2016

Table 18: Stomach cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum.rate
Male	491	3	4.5	0.58
Female	223	1.3	1.7	0.22

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD code and site		Male	Female
C16.0	Cardia, NOS	176	74
C16.1	Fundus of stomach	4	4
C16.2	Body of stomach	4	1
C16.3	Gastric antrum	13	4
C16.4	Pylorus	33	14
C16.5	Lesser curvature of stomach	7	8
C16.6	Greater curvature of stomach	0	3
C16.8	Overlapping lesion of stomach	6	2
C16.9	Stomach, NOS	248	113
Total		491	223

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	62	26
8010	Carcinoma, NOS	33	15
8032	Spindle cell carcinoma, NOS	1	2
8070	Squamous cell carcinoma, NOS	40	43
8071	Squamous cell carcinoma, keratanizing	1	1
8140	Adenocarcinoma, NOS	300	102
8141	Scirrhus adenocarcinoma	1	0
8190	Trabecular adenocarcinoma	1	0
8211	Tubular adenocarcinoma	0	1
8240	Carcinoid tumor, NOS	2	1
8246	Neuroendocrine carcinoma, NOS	2	3
8249	Atypical carcinoid tumor	0	1
8480	Mucinous adenocarcinoma	3	2
8481	Mucin producing adenocarcinoma	1	0
8490	Signet ring cell carcinoma	34	15
8550	Acinar cell carcinoma	1	0
8560	Adenosquamous carcinoma	1	0
8800	Sarcoma, NOS	1	0
8935	Stromal sarcoma, NOS	1	0
8936	Gastrointestinal stromal sarcoma	6	15
Total		491	223

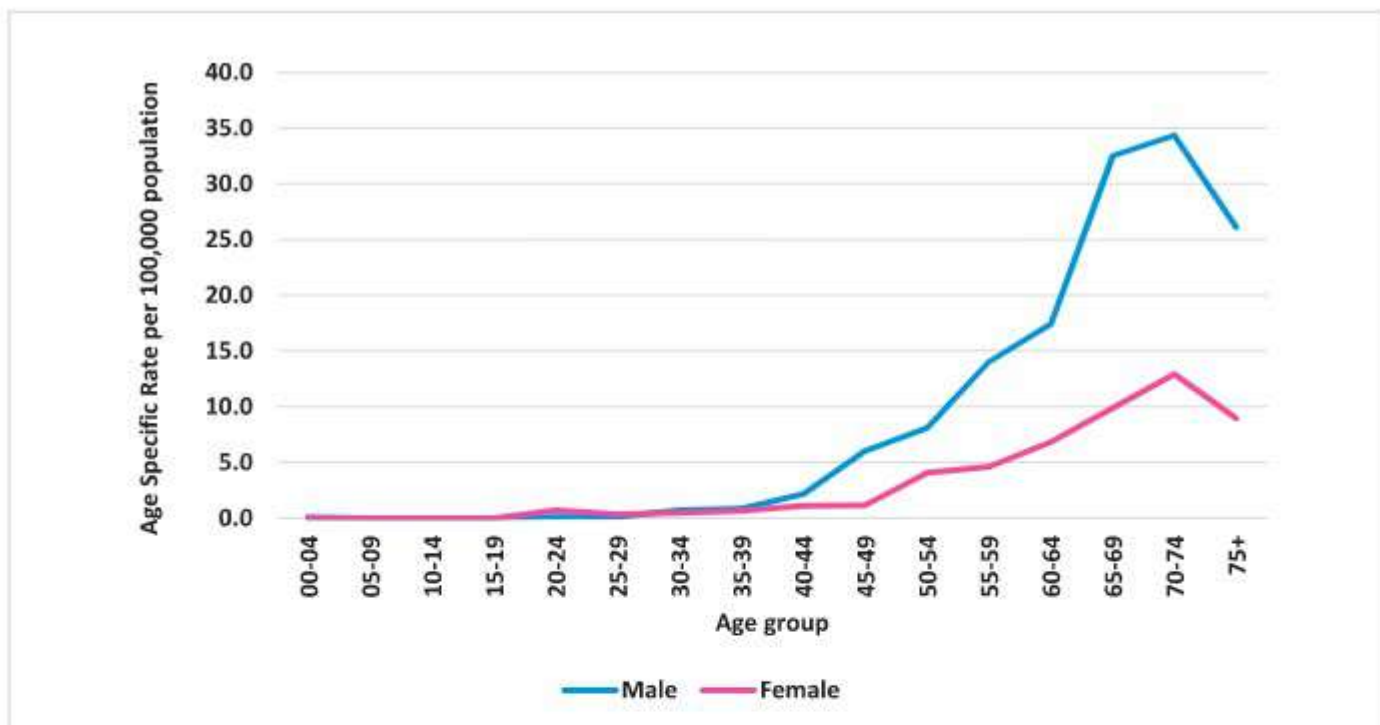


Figure 26: Age Specific Incidence Rates of Stomach cancers in Sri Lanka, 2016

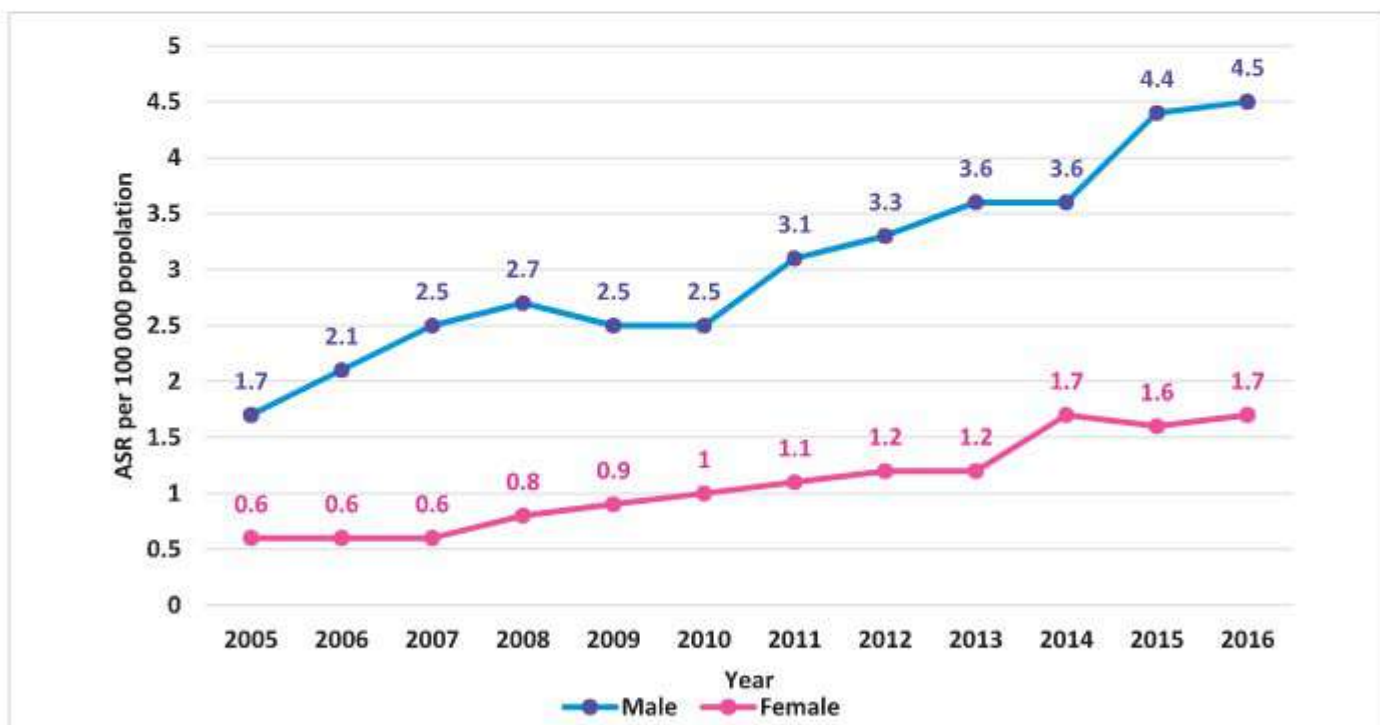


Figure 27: Age standardized incidence rates of Stomach cancers in Sri Lanka, 2005-2016

Table 19: Colon and Rectum cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Male	1308	8.1	11.8	1.4
Female	1353	7.8	10.2	1.3

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site		Male	Female
C18.0	Cecum	40	56
C18.1	Appendix	19	25
C18.2	Ascending colon	34	40
C18.3	Hepatic flexure of colon	12	7
C18.4	Transverse colon	39	33
C18.5	Splenic flexure of colon	4	8
C18.6	Descending colon	25	26
C18.7	Sigmoid colon	179	217
C18.8	Overlapping lesion of colon	7	11
C18.9	Colon, NOS	244	240
C19.9	Colon, NOS	104	107
C20.9	Rectum, NOS	601	583
Total		1308	1353

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	97	93
8001	Tumor cells, malignant	0	1
8010	Carcinoma, NOS	42	43
8011	Epithelioma, malignant	0	1
8051	Verrucous carcinoma, NOS	1	0
8070	Squamous cell carcinoma, NOS	23	17
8071	Squamous cell carcinoma, keratinizing	1	0
8072	Squamous cell carcinoma, large cell, nonkeratinizing	1	0
8083	Basaloid squamous cell carcinoma	1	0
8140	Adenocarcinoma, NOS	1051	1108
8190	Trabecular adenocarcinoma	0	1
8200	Adenoid cystic carcinoma	1	0
8210	Adenocarcinoma in adenomatous polyp	0	2
8211	Tubular adenocarcinoma	1	0
8240	Carcinoid tumor, NOS	1	3
8244	Composite carcinoid	0	1
8246	Adenocarcinoma with neuroendocrine	6	7
8249	Atypical carcinoid tumor	1	2
8260	Papillary adenocarcinoma, NOS	1	1
8262	Villous adenocarcinoma	1	1
8263	Adenocarcinoma in tubulovillous adenoma	1	4

Table 19 continued...

ICD O code and histology		Male	Female
8290	Oxyphilic adenoma	0	1
8480	Mucinous adenocarcinoma	65	52
8481	Mucin-producing adenocarcinoma	0	1
8490	Signet ring cell carcinoma	6	6
8560	Adenosquamous carcinoma	1	1
8574	Adenocarcinoma with neuroendocrine differentiation	1	0
8720	Malignant melanoma, NOS	4	2
8802	Giant cell sarcoma	0	1
8936	Gastrointestinal stromal sarcoma	1	2
9364	Peripheral neuroendocrine tumor	0	1
9500	Neuroblastoma	0	1
Total		1308	1353

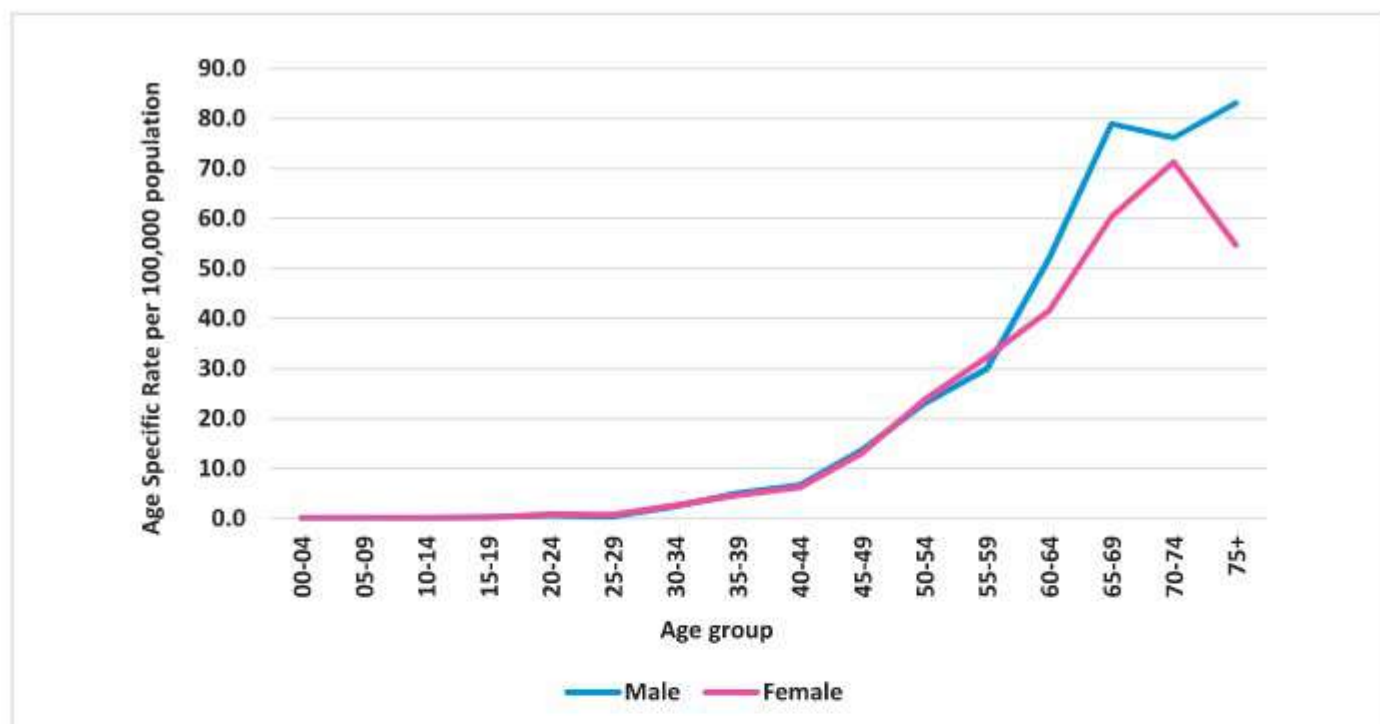


Figure 28: Age Specific Incidence Rates of Colon and Rectum cancers in Sri Lanka, 2016

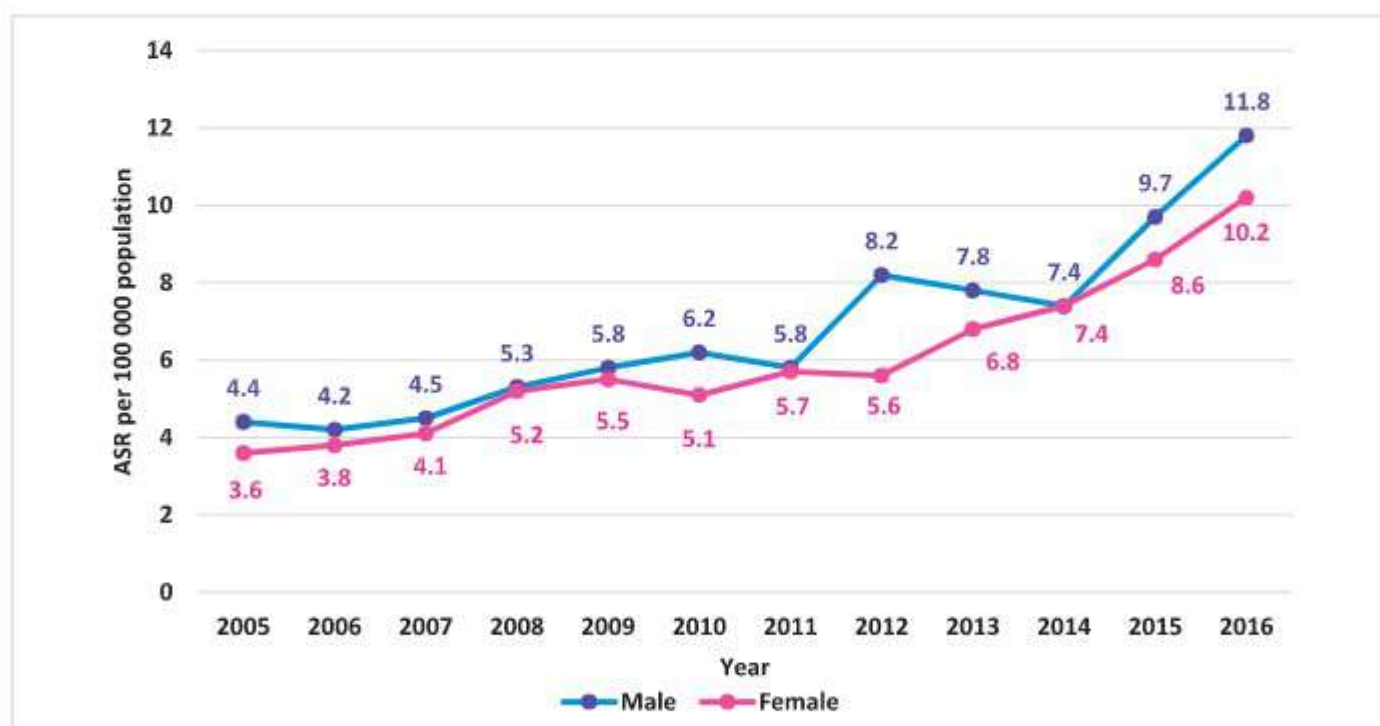


Figure 29: Age standardized incidence rates of Colon and rectum cancers in Sri Lanka, 2005-2016

Table 20: Laryngeal cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum.Rate
Male	741	4.6	6.7	0.9
Female	71	0.4	0.5	0.1

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD code and site		Male	Female
C32.0	Glottis	387	28
C32.1	Supraglottis	252	23
C32.2	Subglottis	11	0
C32.3	Laryngeal cartilage	20	8
C32.8	Overlapping lesion of larynx	3	1
C32.9	Larynx, NOS	68	11
Total		741	71

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	40	8
8004	Malignant tumor, spindle cell type	1	0
8010	Carcinoma, NOS	11	2
8032	Spindle cell carcinoma, NOS	1	1
8041	Small cell carcinoma, NOS	1	0
8051	Verrucous carcinoma, NOS	1	0
8052	Papillary squamous cell carcinoma	1	0
8070	Squamous cell carcinoma, NOS	636	56
8071	Squamous cell carcinoma, keratinizing	34	4
8072	Squamous cell carcinoma, large	2	0
8074	Squamous cell carcinoma, spindle cell	1	0
8076	Squamous cell carcinoma, microinvasive	3	0
8083	Basaloid squamous cell carcinoma	2	0
8140	Adenocarcinoma, NOS	4	0
8200	Adenoid cystic carcinoma	2	0
8480	Mucinous adenocarcinoma	1	0
Total		741	71

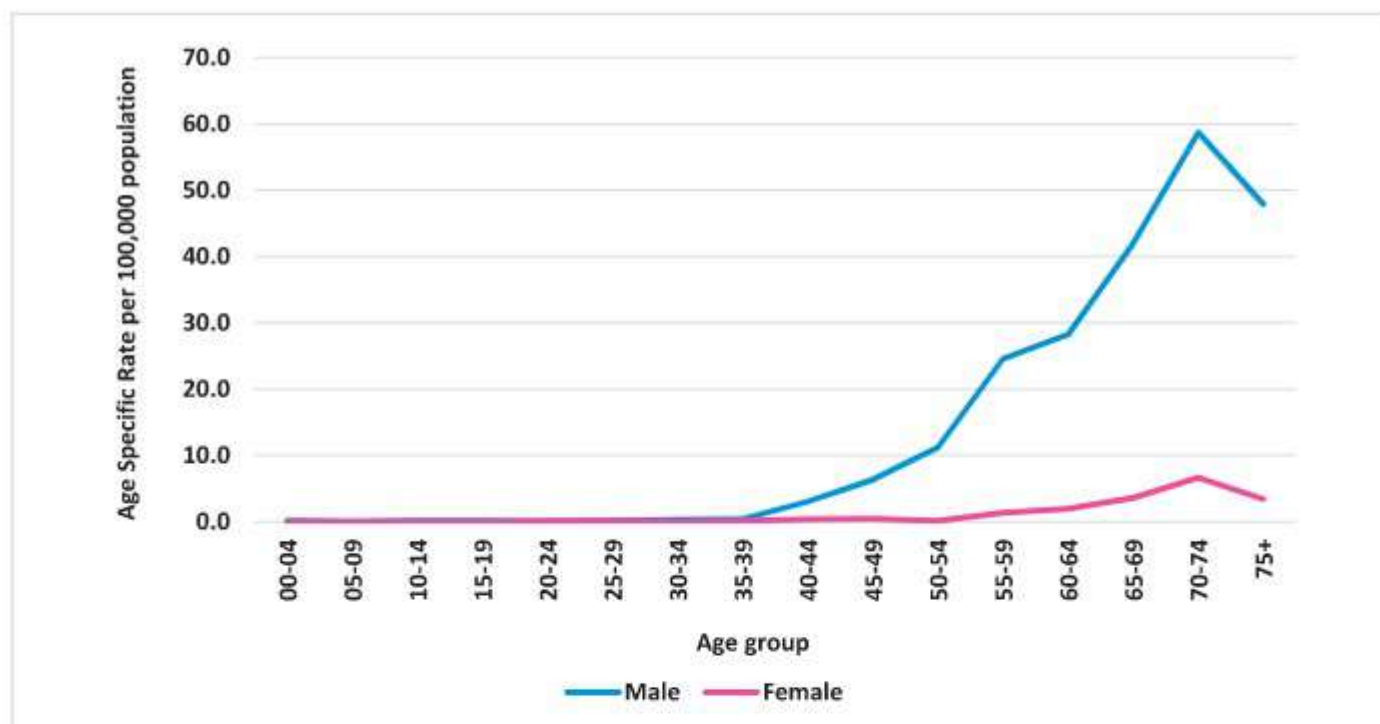


Figure 30: Age Specific incidence Rates of Laryngeal cancers in Sri Lanka, 2016

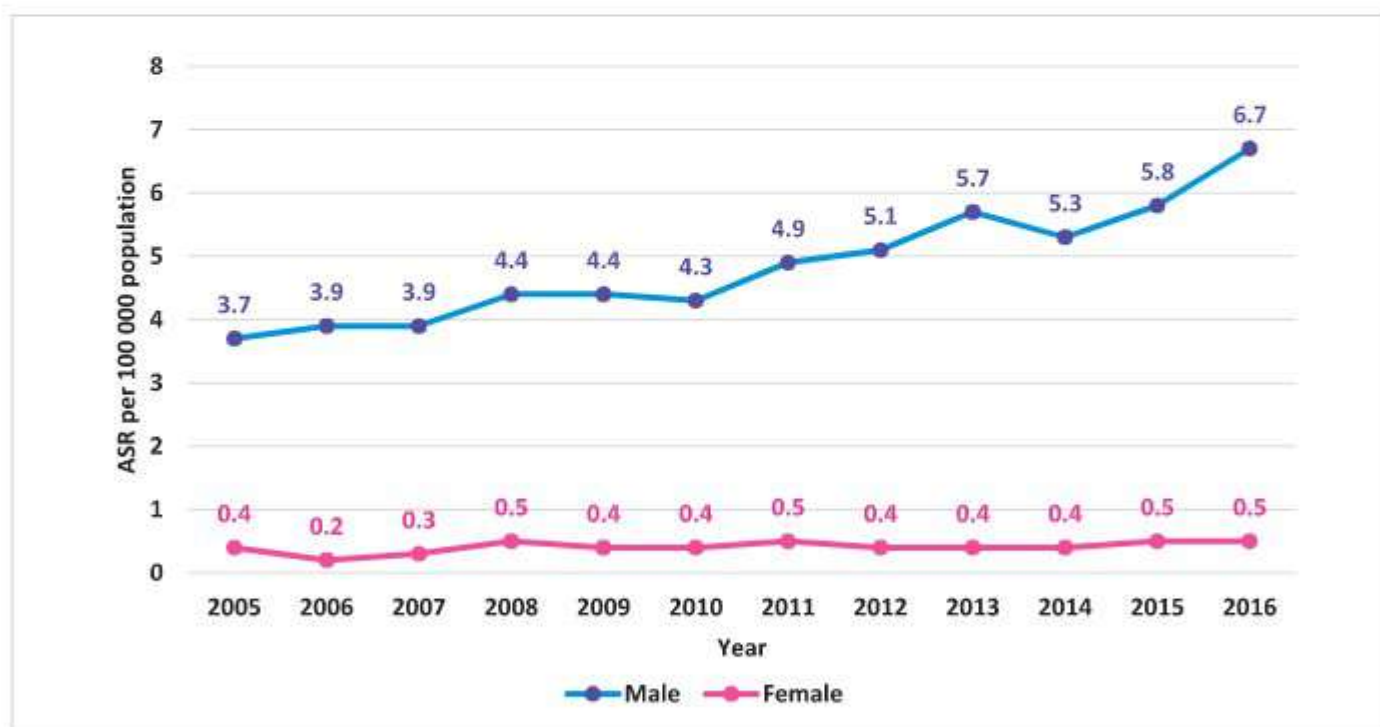


Figure 31: Age standardized incidence rates of Laryngeal cancers in Sri Lanka, 2005 - 2016

Table 21: Trachea, Bronchus and Lung cancer incidence data in Sri Lanka,2016

Group	Number	%	ASR	Cum.Rate
Male	1495	9.2	13.7	1.9
Female	478	2.8	3.7	0.5

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site		Male	Female
C33.9	Trachea	8	3
C34.0	Main bronchus	30	11
C34.1	Upper lobe, lung	213	54
C34.2	Middle lobe, lung	13	8
C34.3	Lower lobe, lung	63	34
C34.8	Overlapping lesion of lung	4	3
C34.9	Lung, NOS	1164	365
Total		1495	478

ICD O code and histology		Male	Female
8000	Neoplasm,malignant	233	66
8001	Tumor cells,malignant	0	1
8004	Malignant tumor,spindle cell type	1	1
8010	Carcinoma,NOS	168	45
8012	Large cell carcinoma,NOS	24	3
8032	Spindle cell carcinoma,NOS	0	1
8041	Small cell carcinoma,NOS	111	8
8043	Small cell carcinoma,fusiform cell	1	0
8045	Combined small cell carcinoma	1	0
8046	Non small cell carcinoma	144	39
8050	Pappiloma,NOS	0	1
8070	Small cell carcinoma,NOS	339	59
8071	Squamous cell carcinoma,keratinizing,NOS	19	3
8072	Squamous cell carcinoma,large cell,non keratinizing,NOS	7	1
8075	Squamous cell carcinoma,adenoid	0	2
8076	Squamous cell carcinoma,microinvasive	3	1
8083	Basaloid squamous cell carcinoma	2	0
8123	Basaloid carcinoma	1	0
8140	Adenocarcinoma, NOS	363	195
8141	Scirrhou adenocarcinoma	1	0
8200	Adenoid cystic carcinoma	5	3
8211	Tubular adenocarcinoma	0	1
8240	Carcinoid tumor, NOS	11	9
8241	Enterochromaffin cell carcinoid	1	0
8246	Neuroendocrine carcinoma,NOS	9	2
8250	Pulmonary adenomatosis	3	1
8251	Alveolar adenocarcinoma	1	0

Table 21 continued...

ICD O code and histology		Male	Female
8253	Bronchiolo-alveolar carcinoma,mucinous	1	0
8254	Bronchiolo-alveolar carcinoma,mixed mucinous and non mucinous	1	0
8260	Papillary adenocarcinoma, NOS	6	8
8310	Clear cell adenocarcinoma, NOS	2	0
8430	Mucoepidermoid carcinoma	3	2
8480	Mucinous adenocarcinoma	18	11
8481	Mucin-producing adenocarcinoma	1	2
8490	Signet ring cell carcinoma	1	0
8550	Acinar cell carcinoma	8	5
8560	Adenosquamous carcinoma	1	0
8574	Adenocarcinoma with neuroendocrine differentiation	1	0
8575	Metaplastic carcinoma	1	0
8800	Sarcoma,NOS	2	2
8802	Giant cell sarcoma	0	1
8910	Embronal rhabdomyosarcoma,NOS	0	1
8972	Pulmonary Blastoma	0	1
9133	Epithelioid hemangioendothelioma,malignant	0	2
9364	Peripheral neuroectodermal tumor	0	1
9580	Granular cell tumor,malignant	1	0
Total		1495	478

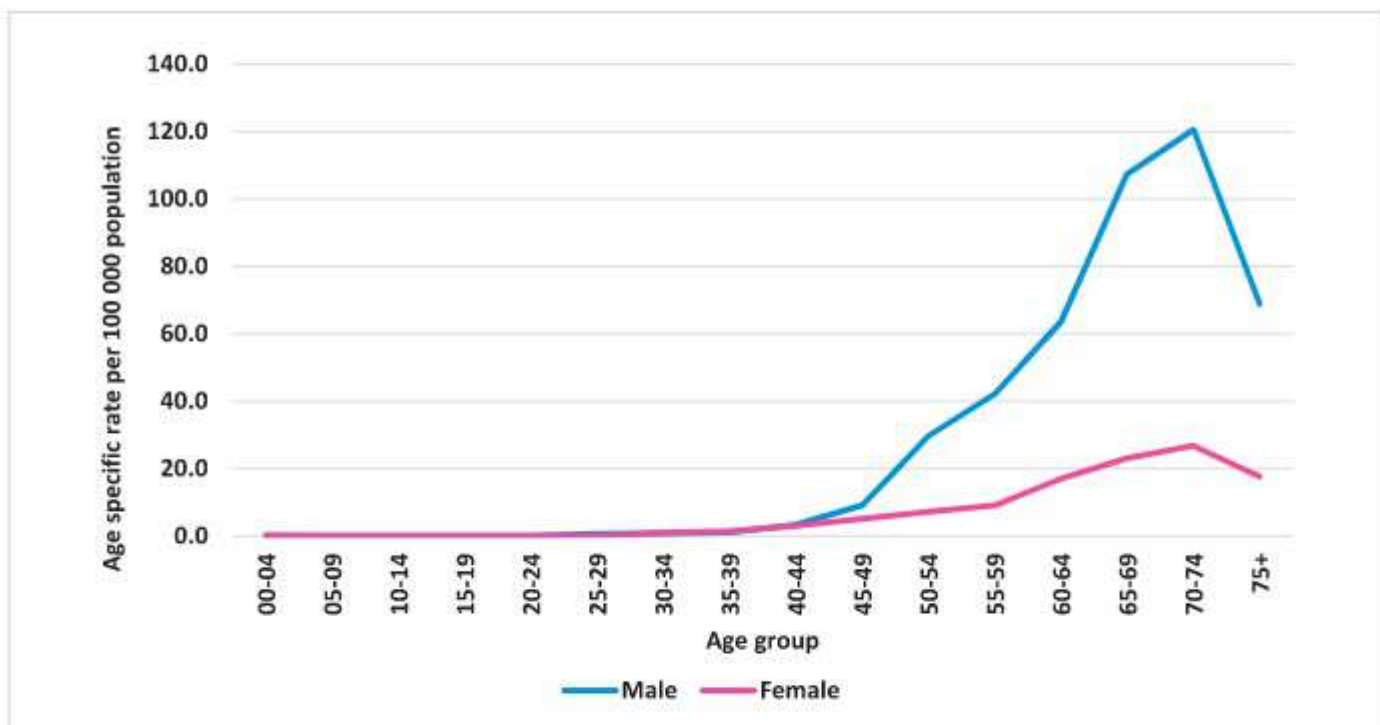


Figure 32: Age Specific incidence Rates of Trachea, Bronchial and Lung cancers in Sri Lanka, 2016

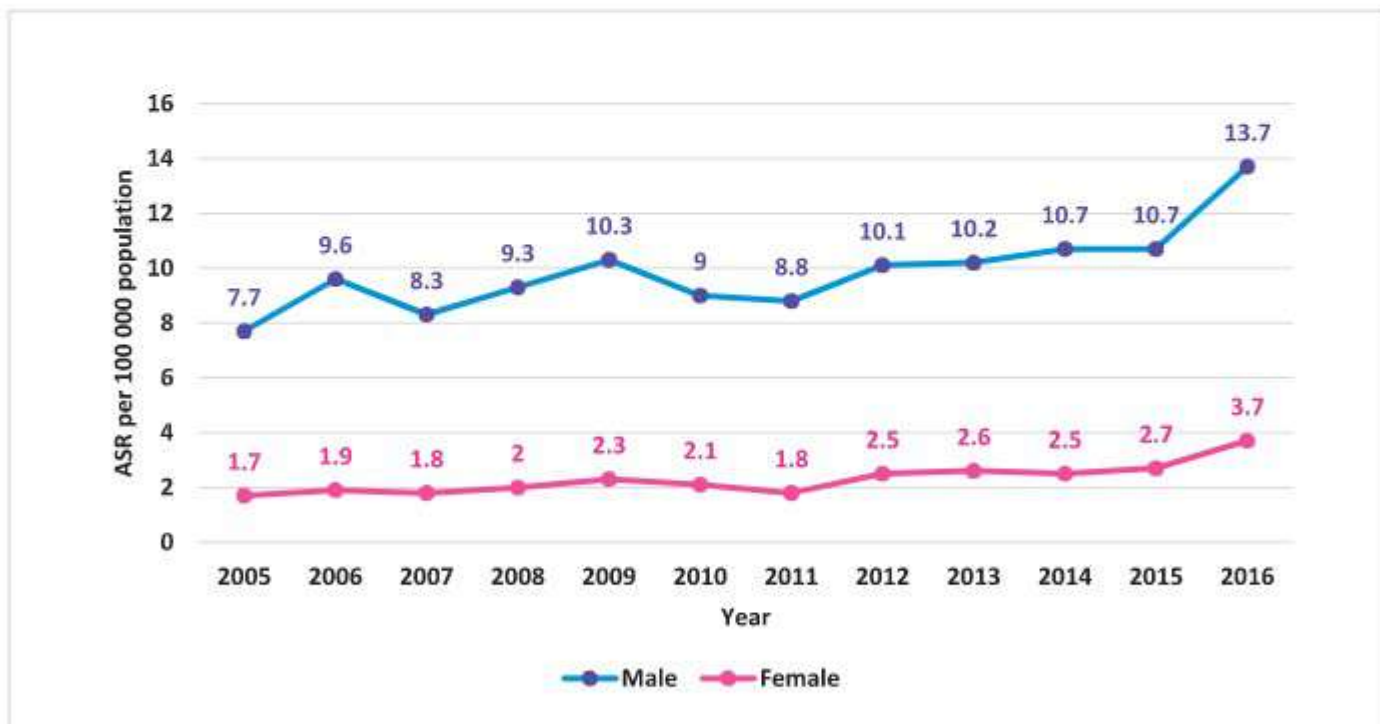


Figure 33: Age standardized incidence rates of Trachea, Bronchial and Lung cancers in Sri Lanka, 2005-2016

Table 22: Skin cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Male	412	2.5	3.7	0.5
Female	358	2	2.6	0.3

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site	Male	Female
C43.0 Malignant melanoma of lip	3	0
C43.1 Malignant melanoma of eye lid,excluding canthus	1	2
C43.2 Malignant melanoma of ear and external auricular canal	0	1
C43.3 Malignant melanoma of other and unspecified parts	2	1
C43.4 Malignant melanoma of scalp and neck	2	1
C43.5 Malignant melanoma of trunk	2	7
C43.6 Malignant melanoma of upper limb including shoulder	0	2
C43.7 Malignant melanoma of lower limb,including hip	21	31
C43.9 Malignant melanoma of skin,unspecified	19	14
C44.0 Skin of lip, NOS	10	5
C44.1 Eyelid	9	24
C44.2 External ear	18	17
C44.3 Skin, other & unspecified parts of face	72	62
C44.4 Skin of scalp and neck	40	24
C44.5 Skin of trunk	33	49
C44.6 Skin of upper limb, including shoulder	19	24
C44.7 Skin of lower,including hip	114	53
C44.8 Overlapping lesion of skin	1	0
C44.9 Skin, NOS	46	41
Total	412	358

ICD O code and histology	Male	Female
8000 Neoplasm, malignant	12	4
8004 Malignant tumor, spindle cell	1	2
8010 Carcinoma, NOS	3	4
8032 Spindle cell carcinoma, NOS	2	5
8051 Verrucous carcinoma, NOS	5	4
8070 Squamous cell carcinoma, NOS	239	143
8071 Squamous cell carcinoma,keratanizing	4	1
8072 squamous cell carcinoma,large cell, non keratinizing	0	1
8075 Squamous cell carcinoma,adenoid	1	0
8076 Squamous cell carcinoma,microinvasive	1	1
8083 Basaloid squamous cell carcinoma	2	1
8090 Basal cell carcinoma, NOS	50	85
8092 Infiltrating basal cell carcinoma	0	1
8094 Basosquamous carcinoma	5	1
8097 Basal cell carcinoma, nodular	10	12
8102 Trichilemmoma	1	1

Table 22 continued...

ICD O code and histology		Male	Female
8123	Basaloid carcinoma	0	1
8140	Adenocarcinoma, NOS	4	3
8200	Adenoid cystic carcinoma	3	3
8260	papillary adenocarcinoma	0	1
8390	Skin appendage carcinoma	5	1
8400	Sweat gland adenocarcinoma	1	1
8403	Malignant eccrine spiradenoma	0	2
8407	Sclerosing sweat duct carcinoma	1	0
8408	Eccrine papillary adenocarcinoma	0	1
8409	Eccrine poroma, malignant	2	0
8410	Sebaceous adenocarcinoma	3	8
8413	Eccrine adenocarcinoma	0	1
8420	Ceruminous adenocarcinoma	0	1
8430	Mucoepidermoid carcinoma	0	1
8480	Mucinous adenocarcinoma	0	1
8542	Paget disease,extramammary	1	0
8720	Malignant melanoma, NOS	45	53
8721	Nodular melanoma	1	1
8723	Malignant melanoma,regressing	0	1
8730	Amelanotic melanoma	2	1
8742	Lentigo malignant melanoma	0	1
8744	Acral lentiginous melanoma, malignant	2	2
8832	Dermatofibrosarcoma, NOS	6	8
Total		412	358

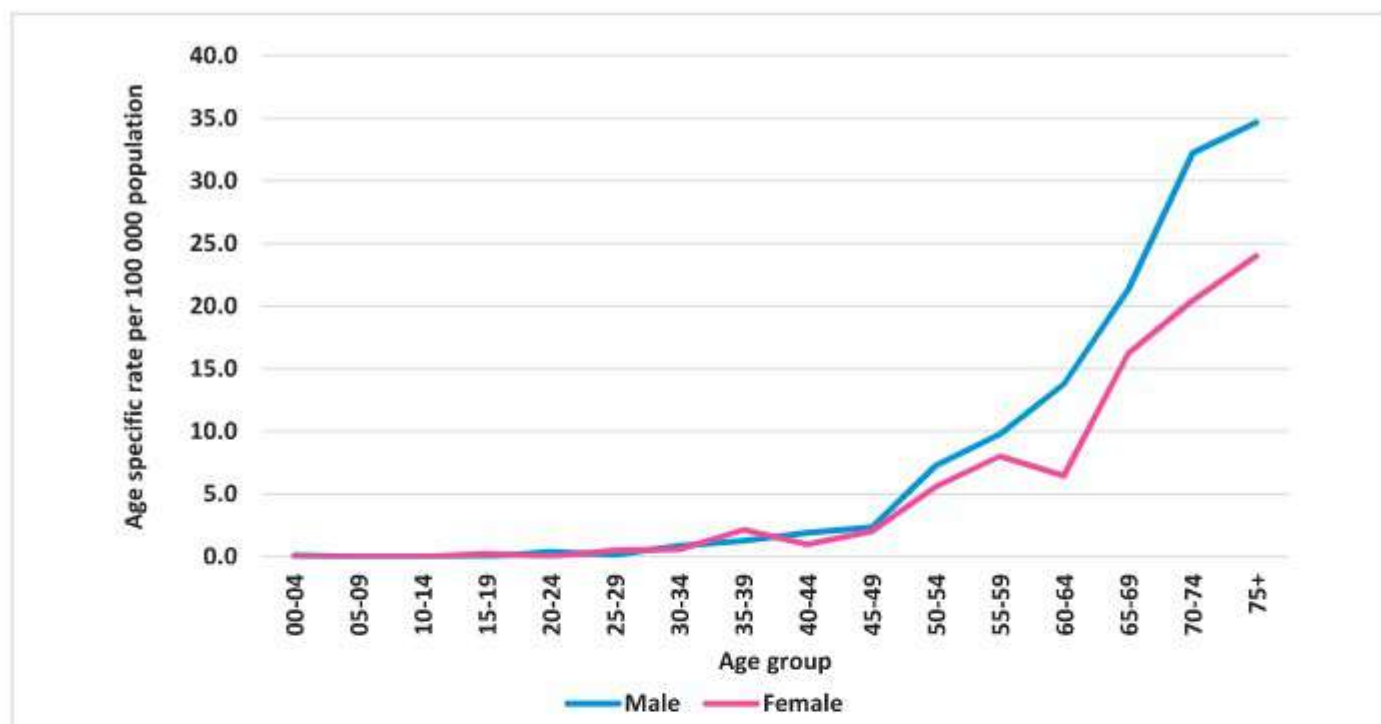


Figure 34: Age specific incidence rates of Skin cancers in Sri Lanka, 2016

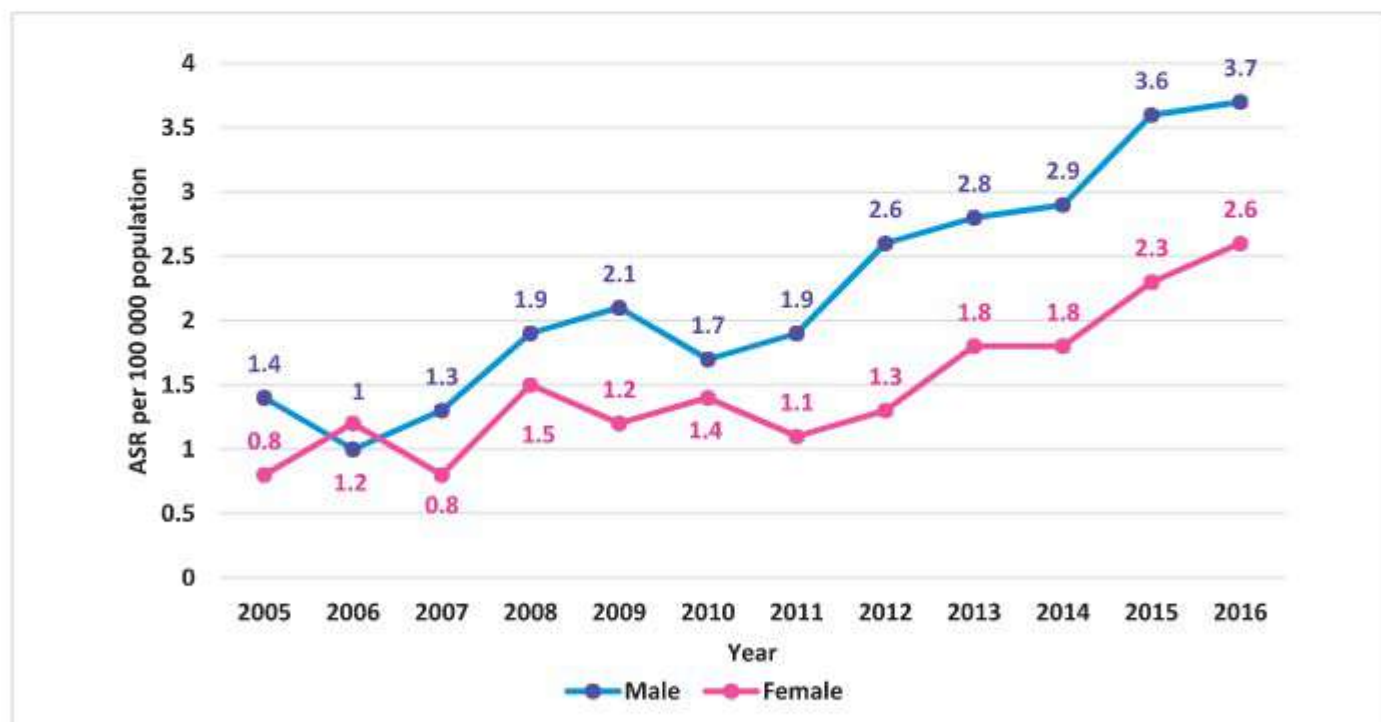


Figure 35: Age standardized incidence rates of Skin cancers in Sri Lanka, 2005 - 2016

Table 23: Breast cancer incidence data in Sri Lanka,2016

Group	Number	%	ASR	Cum.Rate
Male	199	1.2	1.7	0.2
Female	4302	24.8	33.2	3.79

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site		Male	Female
C50.0	Nipple	0	18
C50.1	Central portion of breast	1	25
C50.2	Upper-inner quadrant of breast	0	41
C50.3	Lower-inner quadrant of breast	1	15
C50.4	Upper-outer quadrant of breast	7	134
C50.5	Lower-outer quadrant of breast	2	42
C50.6	Axillary tail of breast	0	4
C50.8	Overlapping lesion of breast	1	32
C50.9	Breast, NOS	187	3991
Total		199	4302

ICD O code and histology		Male	Female
8000	Neoplasm, malignant	16	566
8003	Malignant tumor,giant cell type	0	1
8004	Malignant tumor, spindle cell	0	1
8010	Carcinoma, NOS	16	402
8020	Carcinoma,undifferentiated,NOS	0	1
8021	Carcinoma,anaplastic,NOS	0	4
8050	Papillary carcinoma, NOS	2	33
8070	Squamous cell carcinoma, NOS	2	15
8071	Squamous cell carcinoma, keratinizing,NOS	0	1
8083	Basaloidsquamous cell carcinoma	1	1
8140	Adenocarcinoma,NOS	6	25
8201	Cribriform carcinoma, NOS	0	8
8211	Tubular adenocarcinoma	0	4
8230	Solid carcinoma,NOS	0	1
8260	Papillary adenocarcinoma, NOS	1	7
8290	Oxyphilic adenocarcinoma	1	0
8430	Mucoepidermoid carcinoma	0	1
8480	Mucinous adenocarcinoma	4	80
8500	Infiltrating duct carcinoma, NOS	114	2295
8502	Secretory carcinoma of breast	0	4
8503	Intraductal papillary adenocarcinoma	6	79
8504	Intracystic carcinoma, NOS	0	3
8510	Medullary carcinoma, NOS	2	23
8514	Duct carcinoma,desmoplastic type	1	5
8520	Lobular carcinoma, NOS	10	226

Table 23 continued...

ICD O code and histology		Male	Female
8521	Infiltrating ductular carcinoma	13	422
8522	Infiltrating duct and lobular	1	27
8523	Infiltrating duct mixed with other types of carcinoma	0	9
8524	Infiltrating lobular mixed with other types of carcinoma	0	4
8530	Inflammatory carcinoma	0	1
8540	Paget disease, mammary	0	12
8541	Paget disease and infiltrating	0	2
8543	Paget disease and intraductal carcinoma of breast	0	4
8550	Acinar cell carcinoma	0	1
8570	Adenocarcinoma with squamous metaplasia	0	1
8575	Metaplastic carcinoma, NOS	0	10
8800	Sarcoma, NOS	0	1
8850	Liposarcoma, NOS	0	1
8852	Myxoid liposarcoma	0	2
8890	Leiomyosarcoma	2	0
8901	Pleomorphic rhabdomyosarcoma, adult type	0	1
8935	Stromal sarcoma, NOS	0	2
8940	Mixed tumor, malignant, NOS	0	1
8980	Carcinoma, NOS	0	2
8982	Malignant myoepithelioma	1	1
9020	Phyllodes tumor, malignant	0	11
9580	Granular cell tumor, malignant	0	1
Total		199	4302

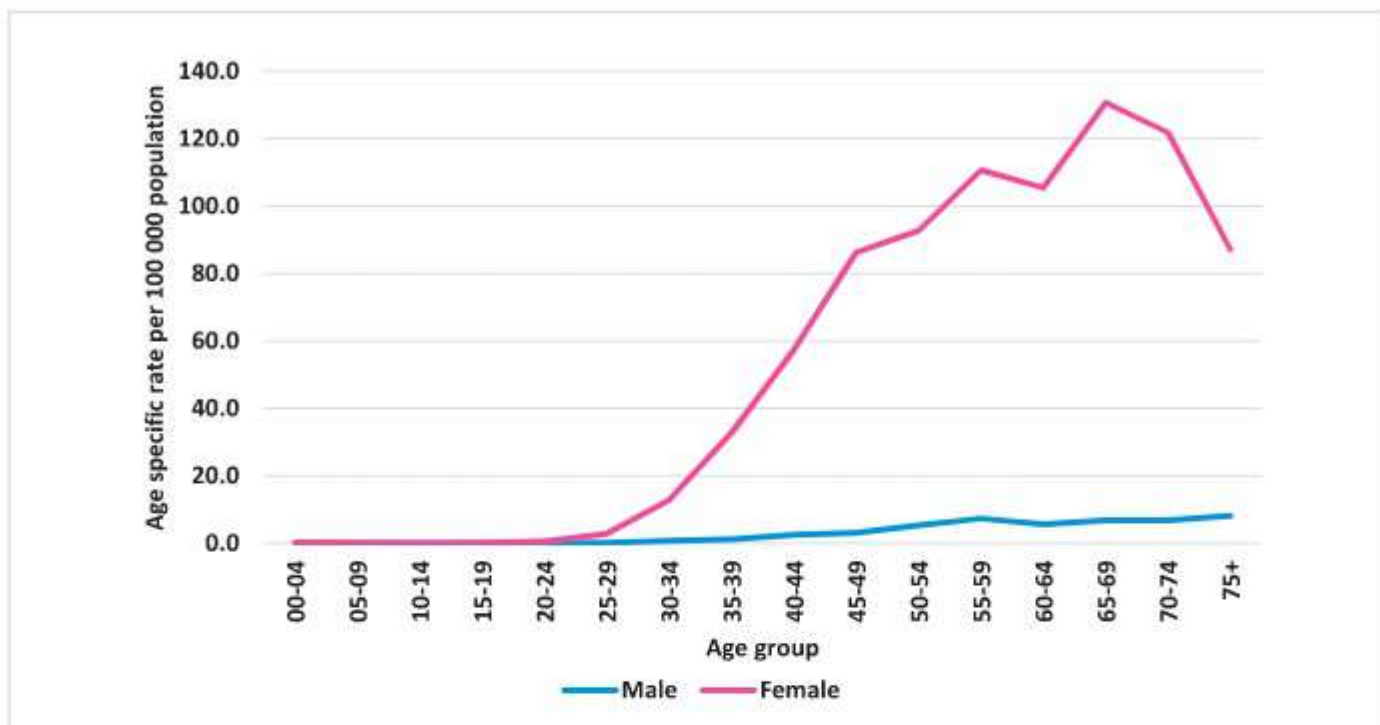


Figure 36: Age specific incidence rates of Breast cancers, 2016



Figure 37: Age standardized incidence rates of Breast cancers in Sri Lanka, 2005 - 2016

Table 24: Cervix Uteri cancer incidence data in Sri Lanka,2016

Group	Number	%	ASR	Cum.Rate
Female	1246	7.2	9.5	1.17

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site	Female
C53.0 Endocervix	36
C53.1 Exocervix	14
C53.8 Overlapping lesion of cervix	11
C53.9 Cervix uteri	1185
Total	1246

ICD O code and histology	Female
8000 Neoplasm, malignant	91
8004 Malignant tumor, spindle cell type	1
8010 Carcinoma, NOS	49
8012 Large cell carcinoma, NOS	1
8050 Papillary carcinoma, NOS	4
8052 Papillary squamous cell carcinoma	3
8070 Squamous cell carcinoma, NOS	688
8071 Squamous cell carcinoma, keratinizing	118
8072 Squamous cell carcinoma, large	195
8076 Squamous cell carcinoma, microinvasive	11
8083 Basaloid squamous cell carcinoma	3
8140 Adenocarcinoma, NOS	62
8200 Adenoid cystic carcinoma	1
8260 Papillary adenocarcinoma, NOS	3
8310 Clear cell adenocarcinoma, NOS	2
8380 Endometrioid adenocarcinoma, NOS	6
8384 Adenocarcinoma, endocervical type	1
8480 Mucinous adenocarcinoma	1
8560 Adenosquamous carcinoma	4
8890 Leiomyosarcoma, NOS	1
9580 Carcinosarcoma, NOS	1
Total	1246

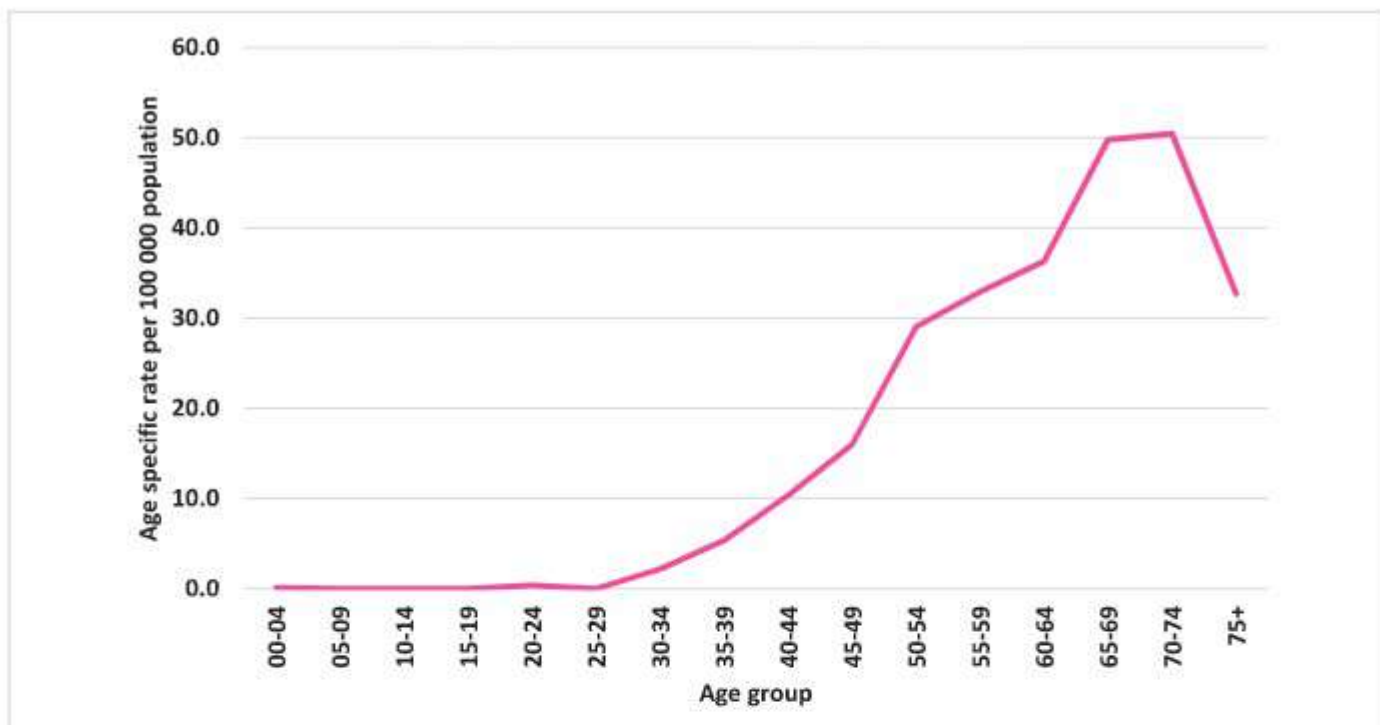


Figure 38: Age specific incidence rates of Cervical cancers in Sri Lanka, 2016

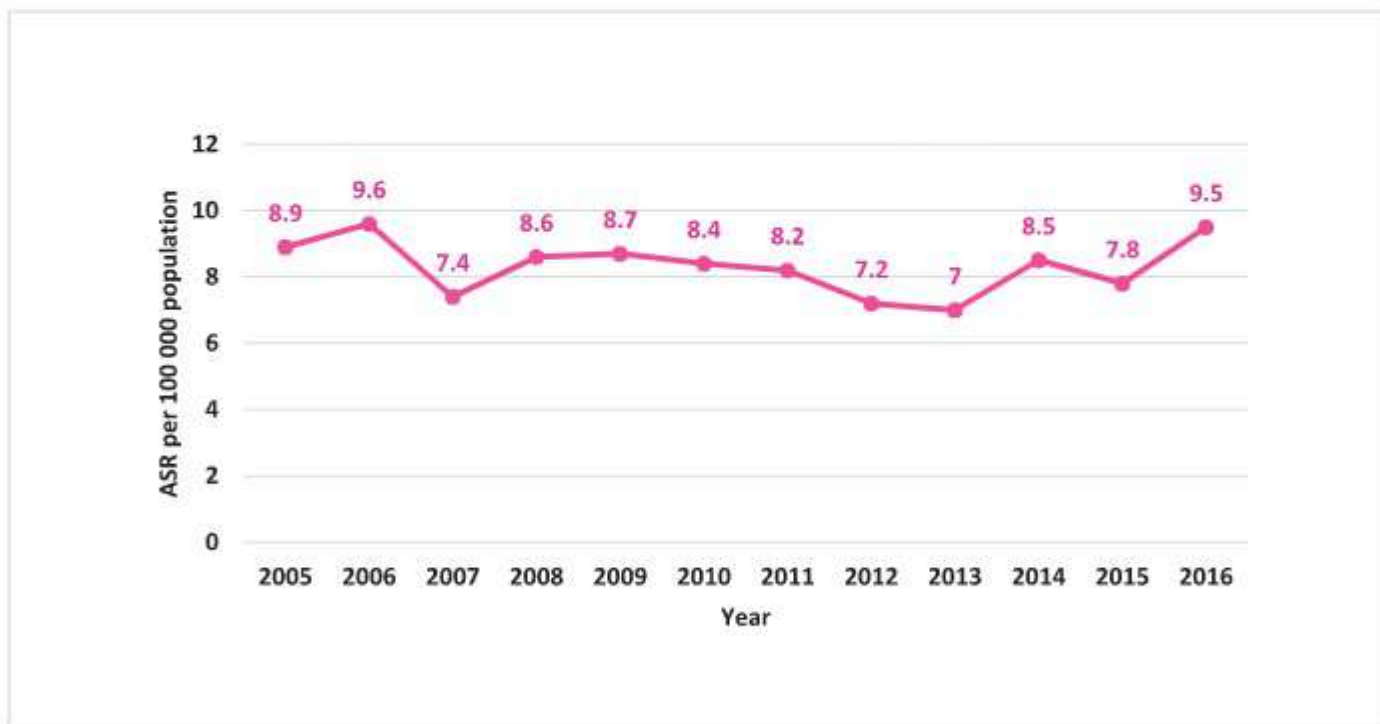


Figure 39: Age standardized incidence rates of Cervical cancers in Sri Lanka, 2005 - 2016

Table 25: Uterine cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Female	977	5.7	7.5	1.0

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site		Female
C54.0	Isthmus uteri	1
C54.1	Endometrium	620
C54.2	Myometrium	2
C54.8	Overlapping lesion of corpus uteri	1
C54.9	Corpus uteri	80
C55.9	Uterus, NOS	273
Total		977

ICD 19 code and site		Female
8000	Neoplasm, malignant	54
8003	Malignant tumor, giant cell type	1
8004	Malignant tumor, spindle cell	1
8010	Carcinoma, NOS	34
8030	Giant cell and spindle cell carcinoma	1
8032	Spindle cell carcinoma, NOS	3
8050	Papillary carcinoma, NOS	3
8070	Squamous cell carcinoma, NOS	44
8071	Squamous cell carcinoma, keratinizing	3
8072	Squamous cell carcinoma, large cell, nonkeratinizing	7
8083	Basaloid squamous cell carcinoma	1
8140	Adenocarcinoma, NOS	256
8260	Papillary adenocarcinoma, NOS	12
8262	Villous adenocarcinoma	1
8290	Oxyphilic adenocarcinoma	1
8310	Clear cell adenocarcinoma, NOS	12
8380	Endometrioid adenocarcinoma, NOS	424
8381	Endometrioid adenofibroma, malignant	3
8382	Endometrioid adenofibroma, malignant, secretory variant	1
8440	Cystadenocarcinoma, NOS	9
8480	Mucinous adenocarcinoma	4
8560	Adenosquamous carcinoma	4
8800	Sarcoma, NOS	11
8801	Spindle cell sarcoma	2
8806	Desmoplastic small round cell tumor	1
8890	Leiomyosarcoma, NOS	19
8891	Epithelioid leiomyosarcoma	1
8896	Myxoid leiomyosarcoma	1
8930	Endometrial stromal sarcoma, NOS	12
8931	Endometrial stromal sarcoma, low grade	5

Table 25 continued...

ICD 19 code and site		Female
8933	Adenosarcoma	2
8935	Stromal sarcoma, NOS	5
8950	Mullerian mixed tumor	17
8951	Mesodermal mixed tumor	2
8980	Carcinosarcoma, NOS	12
8990	Mesenchymoma, malignant	1
9100	Choriocarcinoma, NOS	4
Total		977

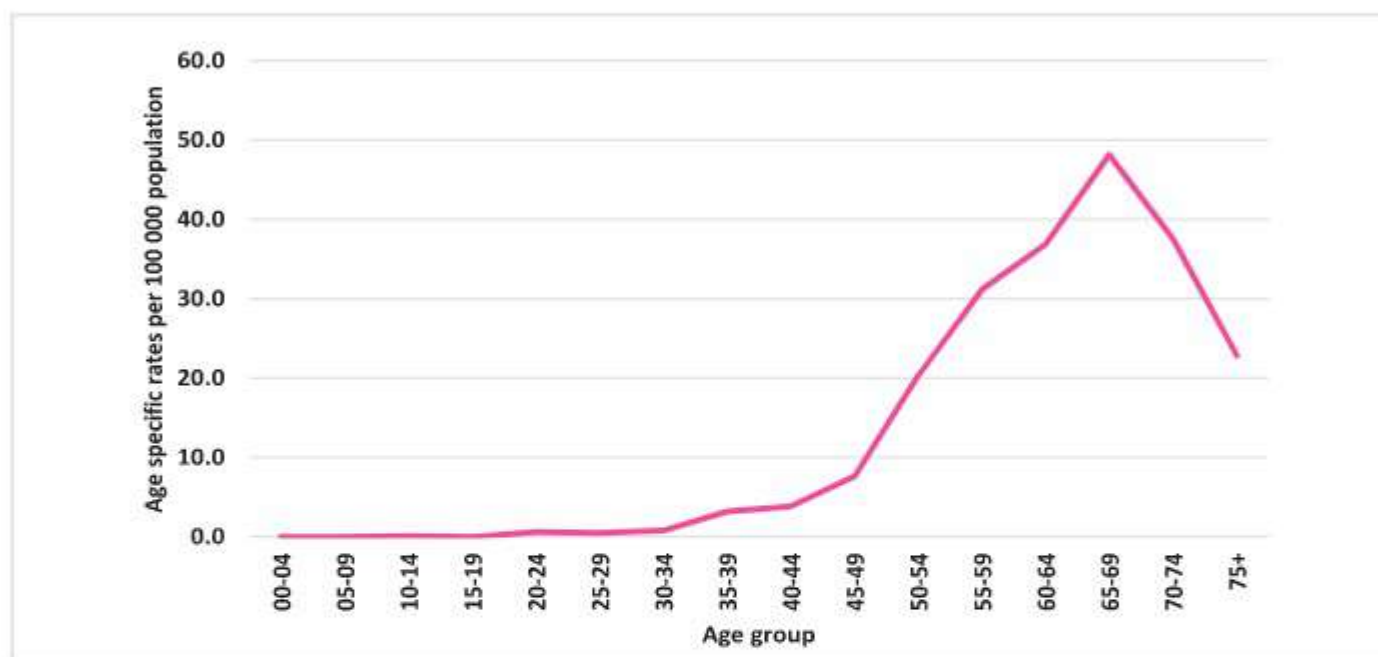


Figure 40: Age specific incidence rates of Uterine cancers in Sri Lanka, 2016

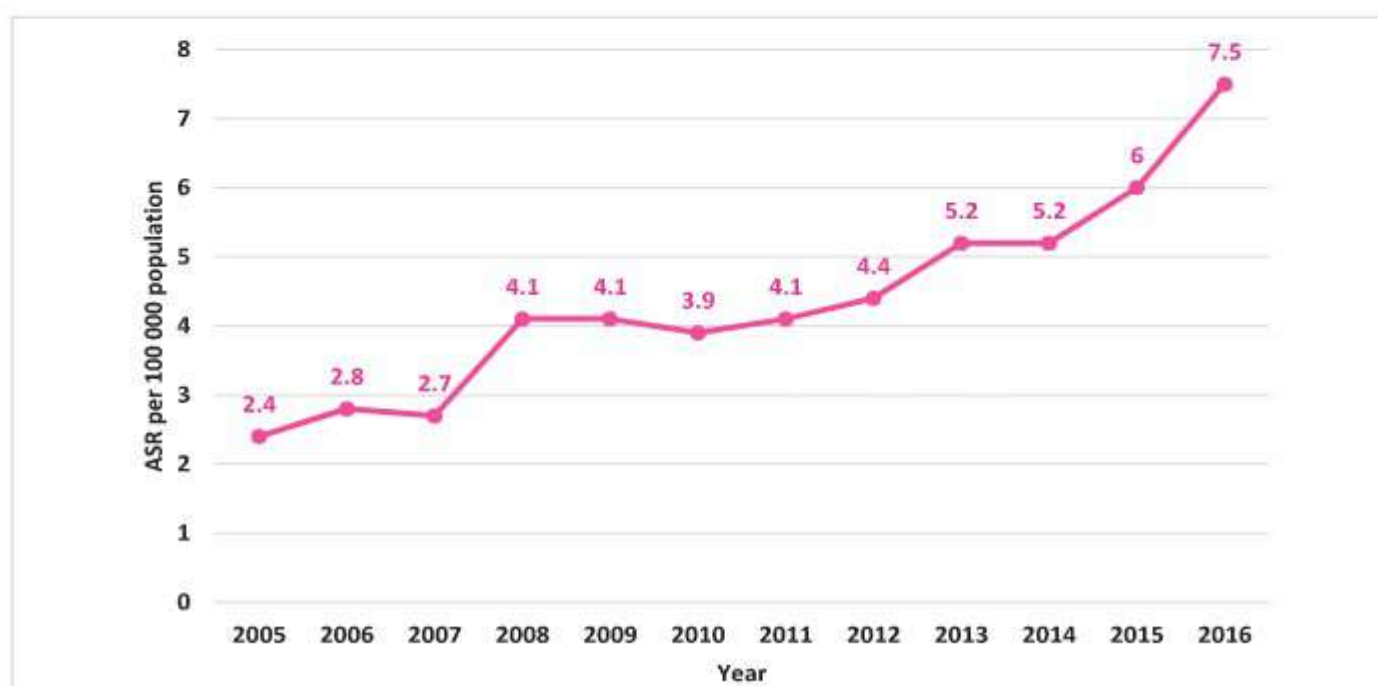


Figure 41 : Age standardized incidence rates of Uterine cancers in Sri Lanka, 2005 - 2016

Table 26: Ovary cancer incidence in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Female	1091	6.3	8.6	1.0

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD code and site		Female
C56.9	Ovary	1091
Total		1091

ICD O code and histology		Number
8000	Neoplasm, malignant	127
8001	Tumor cells, malignant	1
8003	Malignant tumor, Giant cell type	1
8010	Carcinoma, NOS	38
8032	Spindle cell carcinoma, NOS	2
8041	Small cell carcinoma, NOS	1
8050	Papillary carcinoma, NOS	3
8070	Squamous cell carcinoma, NOS	7
8071	Squamous cell carcinoma, keratinizing, NOS	2
8072	Squamous cell carcinoma, large cell, non keratinizing	2
8120	Transitional cell carcinoma, NOS	1
8140	Adenocarcinoma, NOS	116
8240	Crcinoid tumor	2
8246	Neuroendocrine carcinoma	1
8260	Papillary adenocarcinoma, NOS	18
8310	Clear cell adenocarcinoma, NOS	37
8320	Granular cell carcinoma	1
8380	Endometrioid adenocarcinoma	53
8440	Cystadenocarcinoma, NOS	3
8441	Serous cystadenocarcinoma, NOS	206
8450	Papillary cystadenocarcinoma	3
8460	Papillary serous cystadenocarcinoma	220
8461	Serious surface papillary carcinoma	13
8470	Mucinous cystadenocarcinoma	50
8471	Papillary mucinous cystadenocarcinoma	11
8480	Mucinous adenocarcinoma	49
8482	Mucinous adenocarcinoma, endocervical type	1
8490	Signet ring cell carcinoma	2
8550	Acinar cell carcinoma	2
8590	Signet ring cell carcinoma	1
8593	Stromal tumor with minor sex cord elements	1
8620	Granulosa cell tumor, malignant	28
8631	Sertoli-Leydig cell tumor, poorly differentiated	1
8634	Sertoli-Leydig cell tumor, poorly differentiated, with heterogenous elements	1
8670	Steroid cell tumor, malignant	1

Table 26 continued...

ICD O code and histology		Number
8800	Sarcoma, NOS	1
8810	Fibrosarcoma, NOS	2
8940	Mixed tumor,malignant ,NOS	2
8950	Mullerian mixed tumor	8
8980	Carcinosarcoma, NOS	3
9000	Brenner tumor, malignant	4
9015	Mucinous adenocarcinofibroma	1
9044	Clear cell sarcoma,NOS	1
9060	Dysgerminoma	23
9064	Germinoma	8
9070	Embryonal carcinoma, NOS	1
9071	Yolk sac tumor	10
9080	Teratoma, malignant, NOS	13
9085	Mixed germ cell tumor	5
9100	Choriocarcinoma, NOS	2
9580	Granular cell tumor, malignant	1
Total		1091

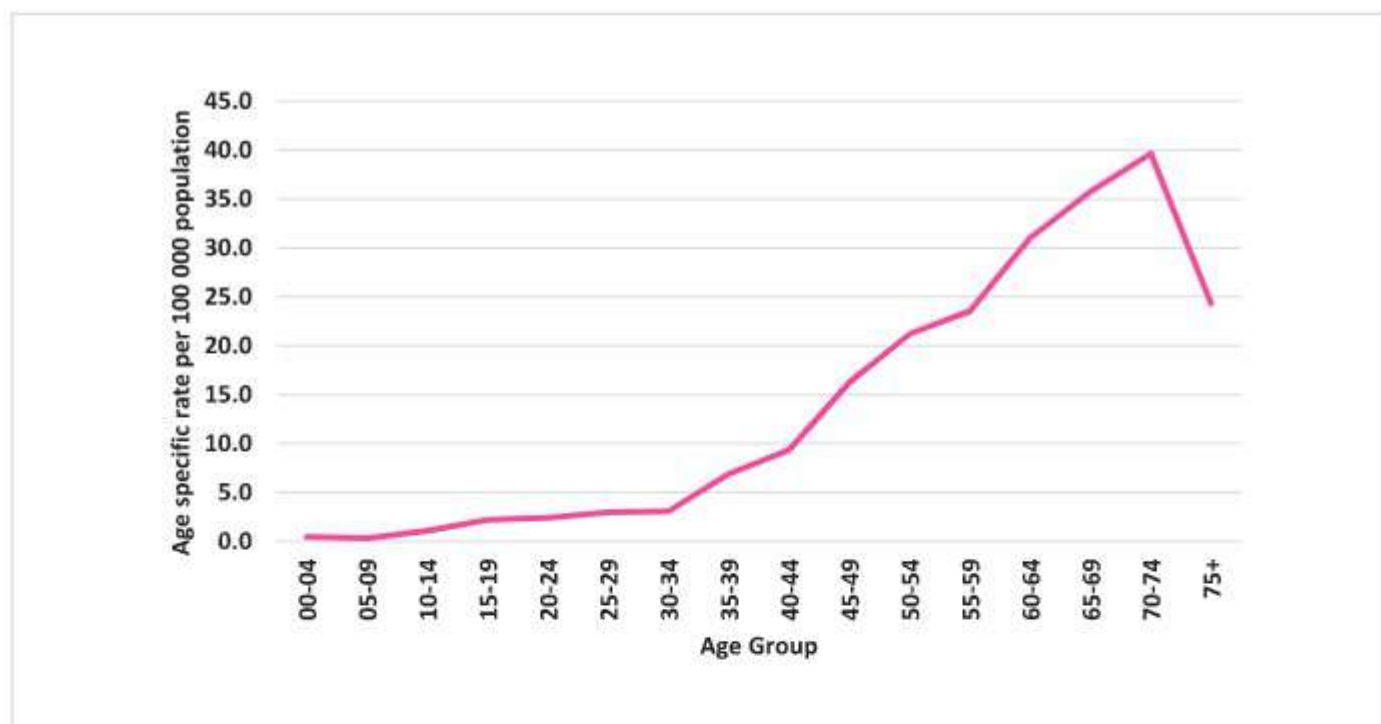


Figure 42: Age specific incidence rates of Ovarian cancers in Sri Lanka, 2016

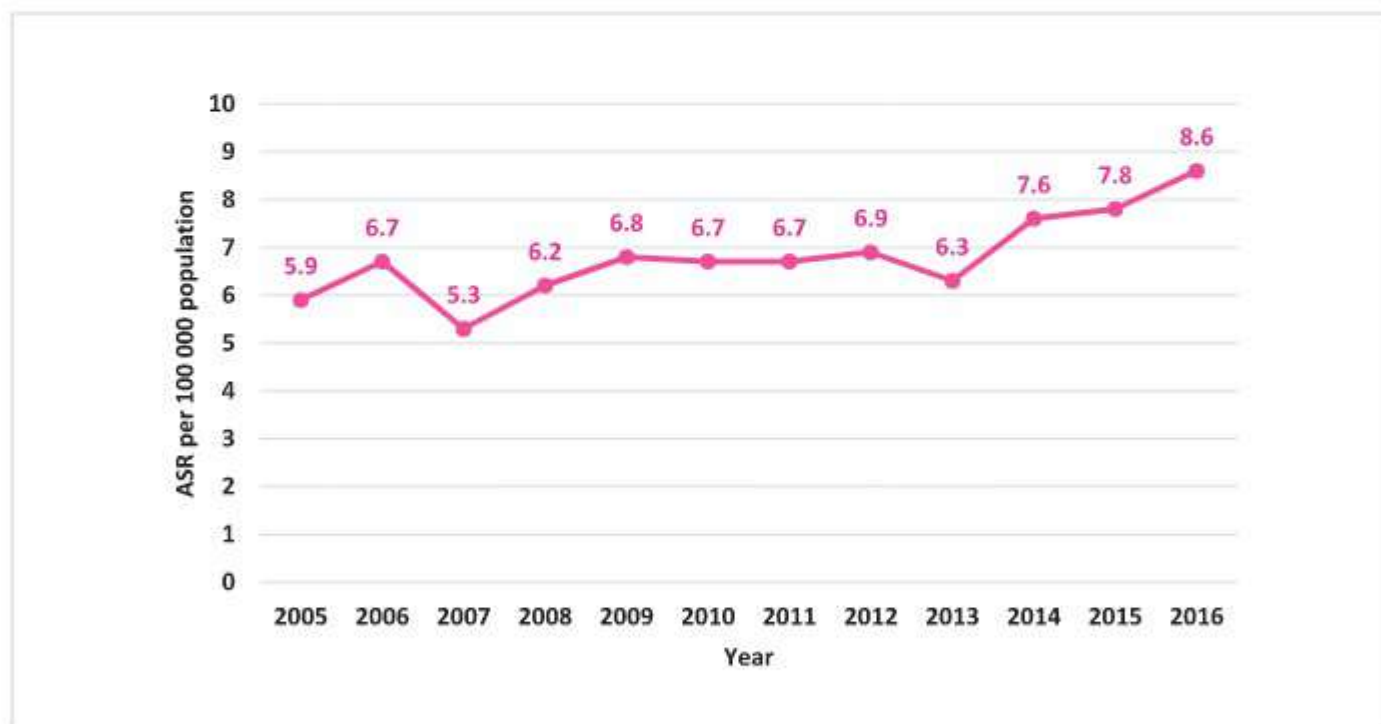


Figure 43: Age standardized incidence rates of Ovarian cancers in Sri Lanka, 2005 - 2016

Table 27: Prostate cancer incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum.Rate
Male	1123	6.9	10.6	1.4

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and histology	Number
C61.9 Prostate Gland	1123
Total	1123

ICD O code and histology	Number
8000 Neoplasm, malignant	132
8010 Carcinoma, NOS	73
8050 Papillary carcinoma	1
8070 Squamous cell carcinoma, NOS	2
8071 Squamous cell carcinoma,keratinizing,NOS	1
8120 Transitional cell carcinoma	7
8140 Adenocarcinoma, NOS	566
8310 Clear cell adenocarcinoma	1
8550 Acinar cell carcinoma	332
8551 Acinar cell cystadenocarcinoma	7
8574 Adenocarcinoma with neuroendocrine differentiation	1
Total	1123

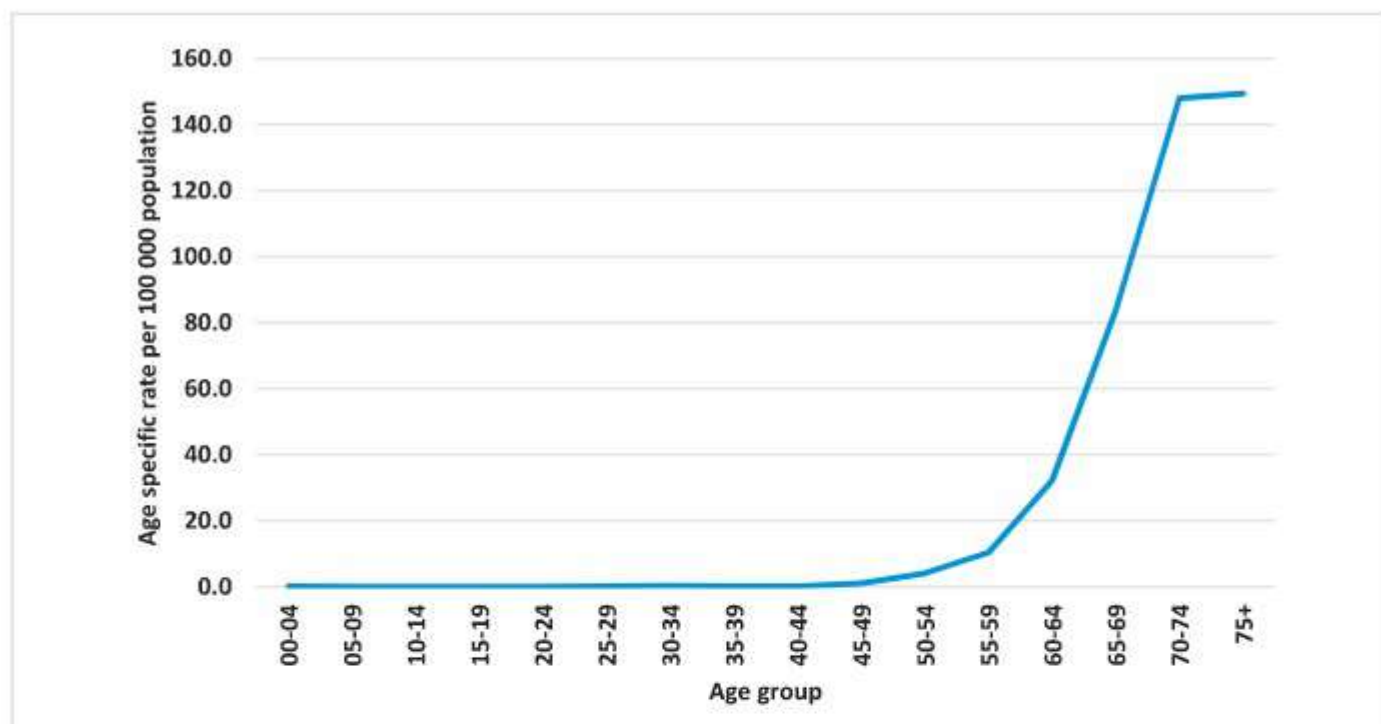


Figure 44: Age specific incidence rates of Prostate cancers in Sri Lanka, 2016

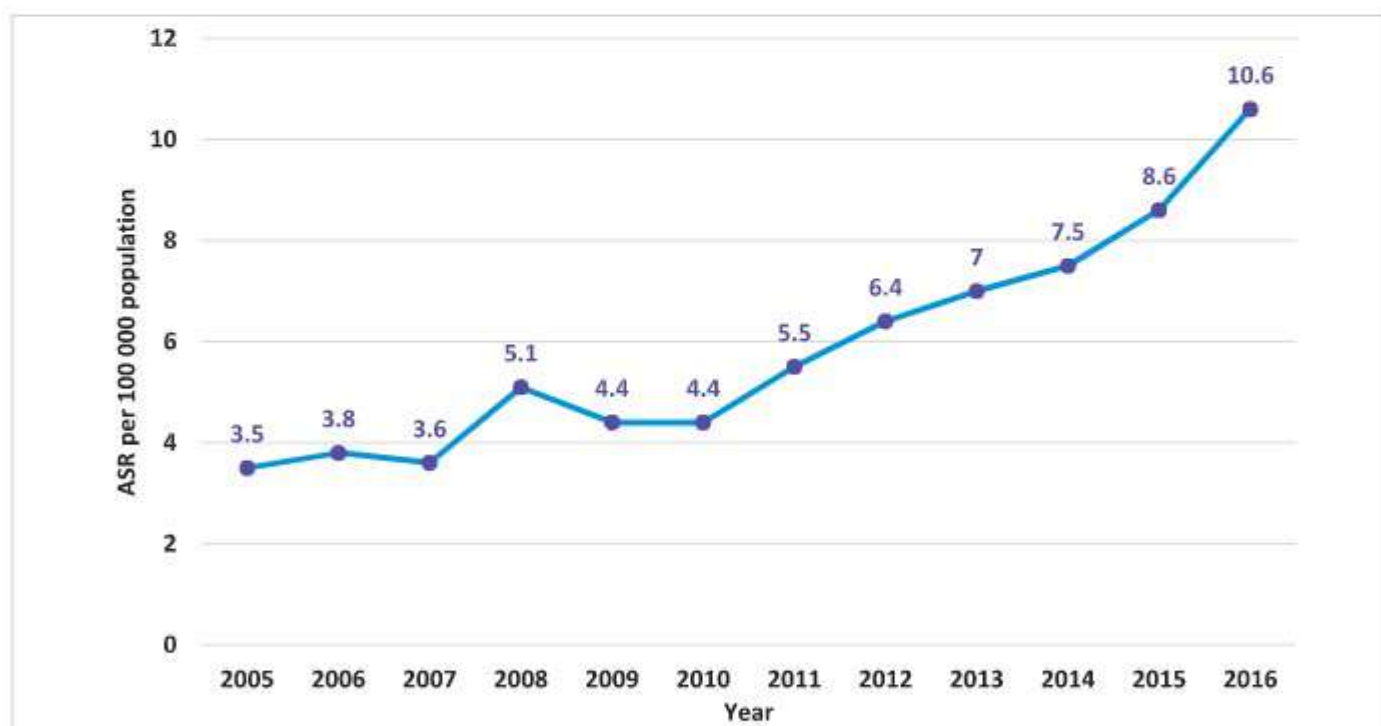


Figure 45: Age standardized incidence rates of Prostate cancers in Sri Lanka, 2005 - 2016

Table 28: Urinary bladder cancer incidence data in Sri Lanka,2016

Group	Number	%	ASR	Cum.Rate
Male	729	4.5	6.7	0.87
Female	180	1	1.4	0.18

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site		Male	Female
C67.2	Lateral wall of bladder	11	2
C67.3	Anterior wall of bladder	1	0
C67.4	Posterior wall of bladder	1	1
C67.5	Bladder neck	1	0
C67.6	Ureteric orifice	1	0
C67.7	Urachus	1	0
C67.8	Overlapping lesion of bladder	2	0
C67.9	Urinary bladder, NOS	711	177
Total		729	180

ICD O code and histology		Male	Female
8000	Neoplasm,malignant	59	20
8010	Carcinoma,NOS	29	4
8032	Spindle cell carcinoma, NOS	0	2
8041	Small cell carcinoma	1	0
8050	Papillary carcinoma, NOS	6	1
8070	Squamous cell carcinoma, NOS	16	8
8071	Squamous cell carcinoma, keratanizing	3	2
8072	Squamous cell carcinoma,large cell,non keratinizing,NOS	0	1
8074	Squamous cell carcinoma,spindle cell	1	0
8076	Squamous cell carcinoma,microinvasive	1	0
8120	Transitional cell carcinoma	346	84
8130	Papillary transitional cell carcinoma	238	41
8140	Adenocarcinoma, NOS	9	8
8260	Papillary adenocarcinoma, NOS	4	2
8310	Clear cell adenocarcinoma, NOS	4	0
8480	Mucinous adenocarcinoma	6	2
8490	Signet ring cell carcinoma	1	1
8550	Acinar cell carcinoma	4	1
8890	Carcinosarcoma, NOS	0	1
8910	Embryonal rhabdomyosarcoma,NOS	1	2
Total		729	180

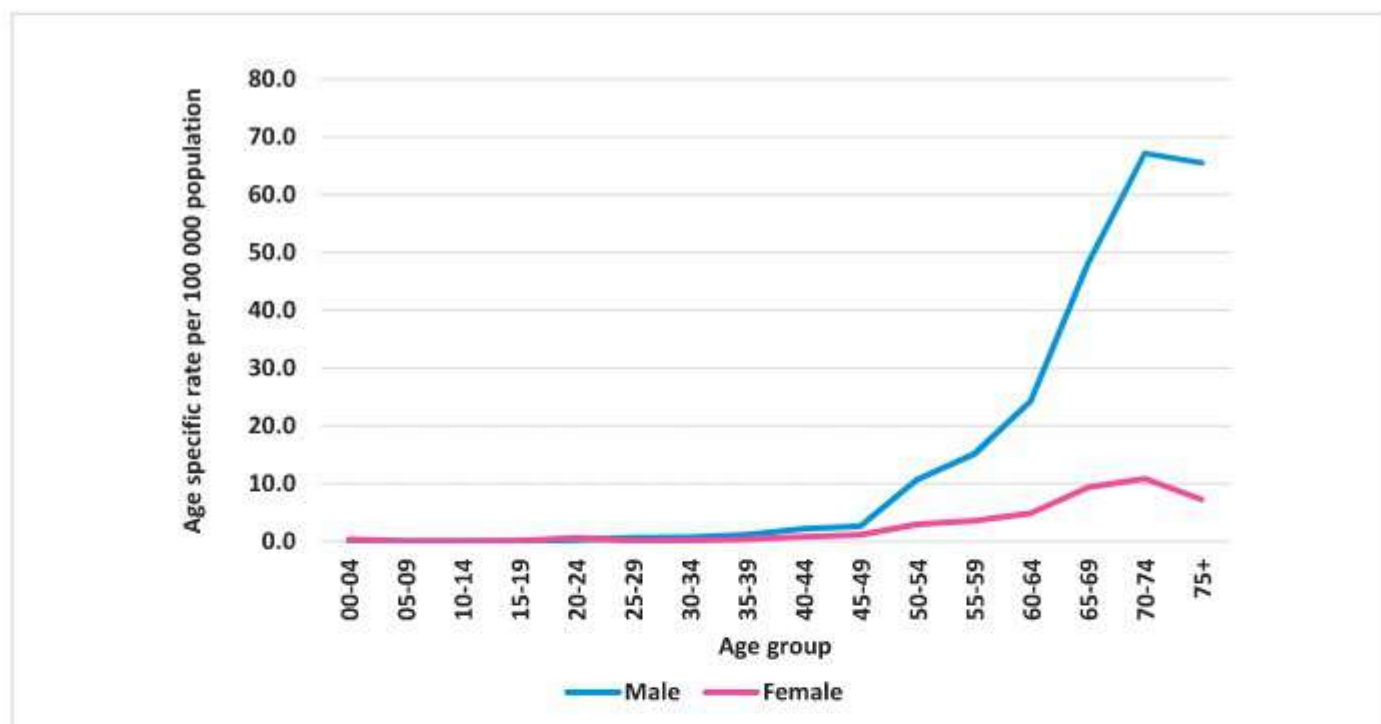


Figure 46: Age specific incidence rates of Urinary Bladder cancers in Sri Lanka, 2016



Figure 47: Age standardized incidence rates of Urinary Bladder cancers in Sri Lanka, 2005 - 2016

Table 29: Thyroid gland cancer incidence data in Sri Lanka,2016

Group	Number	%	ASR	Cum.Rate
Male	503	3.1	4.5	0.45
Female	2109	12.2	17.1	1.6

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD 10 code and site	Male	Female
C73.9 Thyroid gland	503	2109
Total	503	2109

ICD 10 code and site	Male	Female
8000 Neoplasm, malignant	20	37
8010 Carcinoma, NOS	10	22
8020 Carcinoma, undifferentiated, NOS	0	1
8021 Carcinoma, anaplastic, NOS	11	25
8031 Giant cell carcinoma	0	1
8050 Papillary carcinoma, NOS	55	239
8052 Papillary squamous cell carcinoma	0	3
8070 Squamous cell carcinoma, NOS	5	6
8076 Squamous cell carcinoma, microinvasive	0	1
8083 Basaloid squamous cell carcinoma	0	1
8140 Adenocarcinoma, NOS	4	9
8141 Scirrhous adenocarcinoma	0	1
8260 Papillary adenocarcinoma, NOS	228	853
8290 Oxyphilic adenocarcinoma	12	59
8330 Follicular adenocarcinoma, NOS	56	280
8335 Follicular carcinoma, minimally invasive	10	71
8337 Insular carcinoma	1	2
8340 Papillary carcinoma, follicular variant	41	212
8341 Papillary microcarcinoma	24	251
8342 Papillary carcinoma, oxyphilic cell	0	1
8343 Papillary carcinoma, capsula	0	3
8345 Medullary carcinoma with amyloid stroma	0	1
8347 Mixed medullary- papillary carcinoma	0	1
8350 Nonencapsulated sclerosing carcinoma	2	0
8440 Cystadenocarcinoma	3	3
8480 Mucinous adenocarcinoma	0	4
8510 Medullary carcinoma, NOS	21	22
Total	503	2109

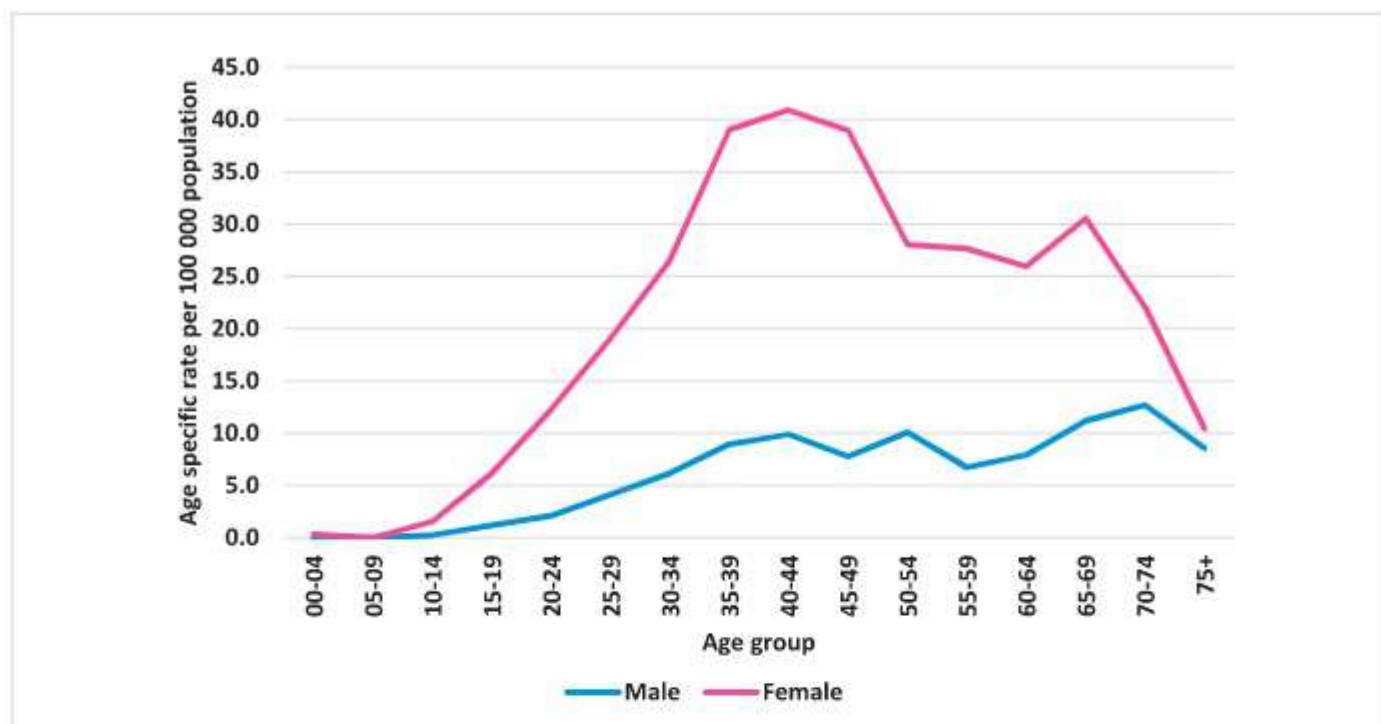


Figure 48: Age specific incidence rates of Thyroid cancers in Sri Lanka, 2016

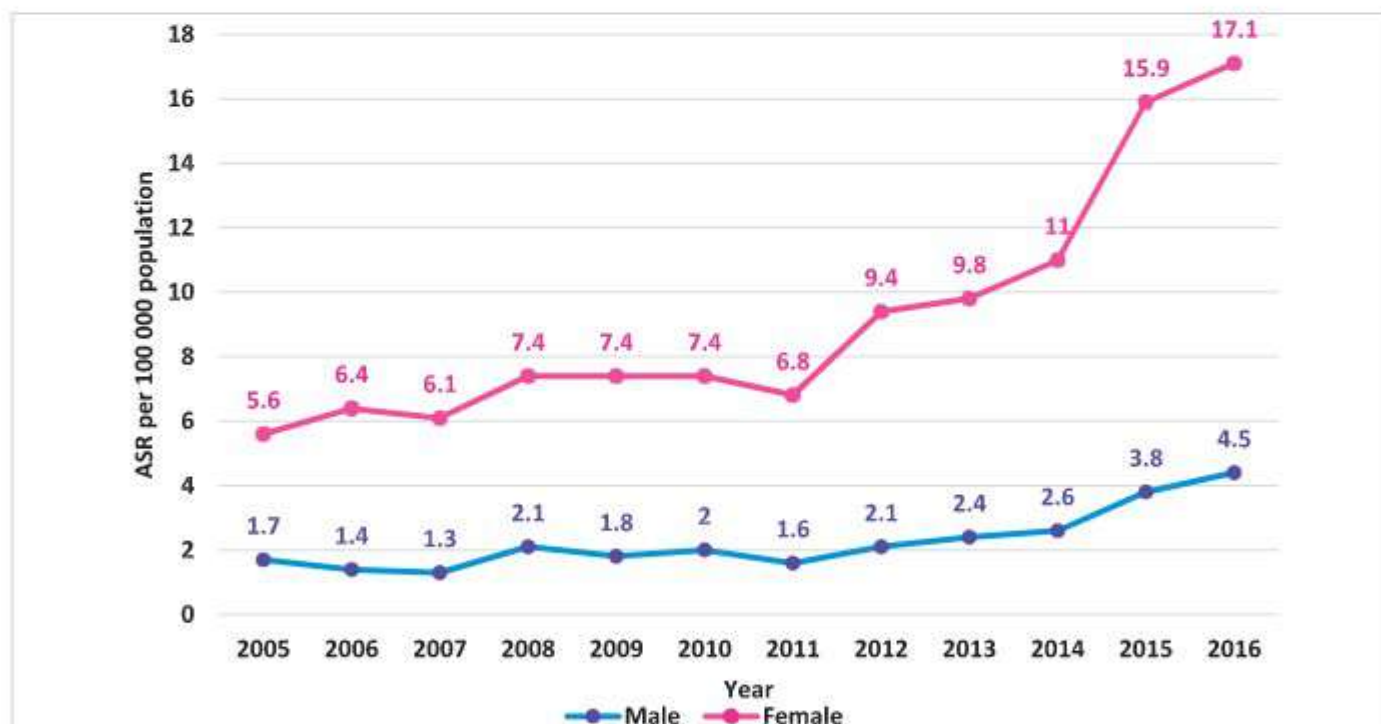


Figure 49: Age standardized incidence rates of Thyroid cancers in Sri Lanka, 2005 - 2016

Table 30: Lymphoma incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum.Rate
Male	691	4.3	6.4	0.7
Female	491	2.8	4.0	0.4

ASR – Age Standardized Incidence Rate per 100,000 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	1	2
C81.1	Nodular sclerosis (classical) Hodgkin lymphoma	11	11
C81.2	Mixed cellularity (classical) Hodgkin lymphoma	13	8
C81.3	Mixed cellularity (classical) Hodgkin lymphoma	2	0
C81.4	Lymphocyte-rich(classical) Hodgkin lymphoma	1	1
C81.9	Hodgkin lymphoma, unspecified	113	88
C82.0	Follicular lymphoma, grade I	1	0
C82.1	Follicular lymphoma, grade II	0	1
C82.2	Follicular carcinoma, grade III,unspecified	0	1
C82.9	Follicular lymphoma, NOS	28	31
C83.0	Small cell B-cell lymphoma	3	4
C83.1	Mantle cell lymphoma	6	3
C83.3	Diffuse large B-cell lymphoma	37	40
C83.5	Lymphoblastic (diffuse) lymphoma	7	5
C83.7	Burkitt lymphoma, NOS	4	1
C84.0	Mycosis fungoides	9	6
C84.4	Peripheral T-cell lymphoma, not elsewhere classified	19	4
C84.6	Anaplastic large cell lymphoma	1	3
C84.8	Cutaneous T-cell lymphoma, NOS	3	1
C85.7	Other specified types of non- Hodgkin lymphoma	4	2
C85.9	Non-Hodgkin lymphoma, unspecified	423	279
C96.6	Unifocal Langerhans-cell histiocytosis	4	0
C96.8	Histiocytic sarcoma	1	0
Total		691	491

ICD O code and histology		Male	Female
9590	Anaplastic large cell lymphoma NOS	54	42
9591	Malignant lymphoma, non-Hodgkin	369	237
9596	Composite Hodgkin and non-Hodgkin lymphoma	4	2
9650	Hodgkin lymphoma, NOS	113	88
9651	Hodgkin lymphoma, lymphocyte rich	1	1
9652	Hodgkin lymphoma mixed cellularity	13	8
9659	Hodgkin lymphoma, nodular lymphocyte predominance	1	2
9662	Hodgkin sarcoma	2	0
9663	Hodgkin lymphoma nodular sclerosis, cellular phase	11	10
9665	Hodgkin lymphoma nodular sclerosis, grade I	0	1
9670	Malignant lymphoma, small B lymphocytic	0	2
9671	Malignant lymphoma,Lymphoplasmacytic	3	2

Table 30 continued...

ICD O code and histology		Male	Female
9673	Mantle cell lymphoma	6	3
9680	Malignant lymphoma, large B cell,diffuse	37	40
9687	Burkitt lymphoma, NOS	4	1
9690	Follicular lymphoma, NOS	28	31
9691	Follicular lymphoma grade II	0	1
9695	Follicular lymphoma grade I	1	0
9698	Follicular lymphoma grade III	0	1
9700	Mycosis fungoides	9	6
9702	Mature T-cell lymphoma, NOS	19	4
9709	Cutaneous T cell lymphoma	3	1
9714	Anaplastic large cell lymphoma,T cell and null cell type	1	3
9727	Precursor cell lymphoblastic lymphoma NOS	2	2
9729	Precursor T-cell lymphoblastic lymphoma	5	3
9750	Malignant histiocytosis	1	0
9751	Langerhans cell histiocytosis,NOS	2	0
9754	Langerhans cell histiocytosis,disseminated	2	0
Total		691	491

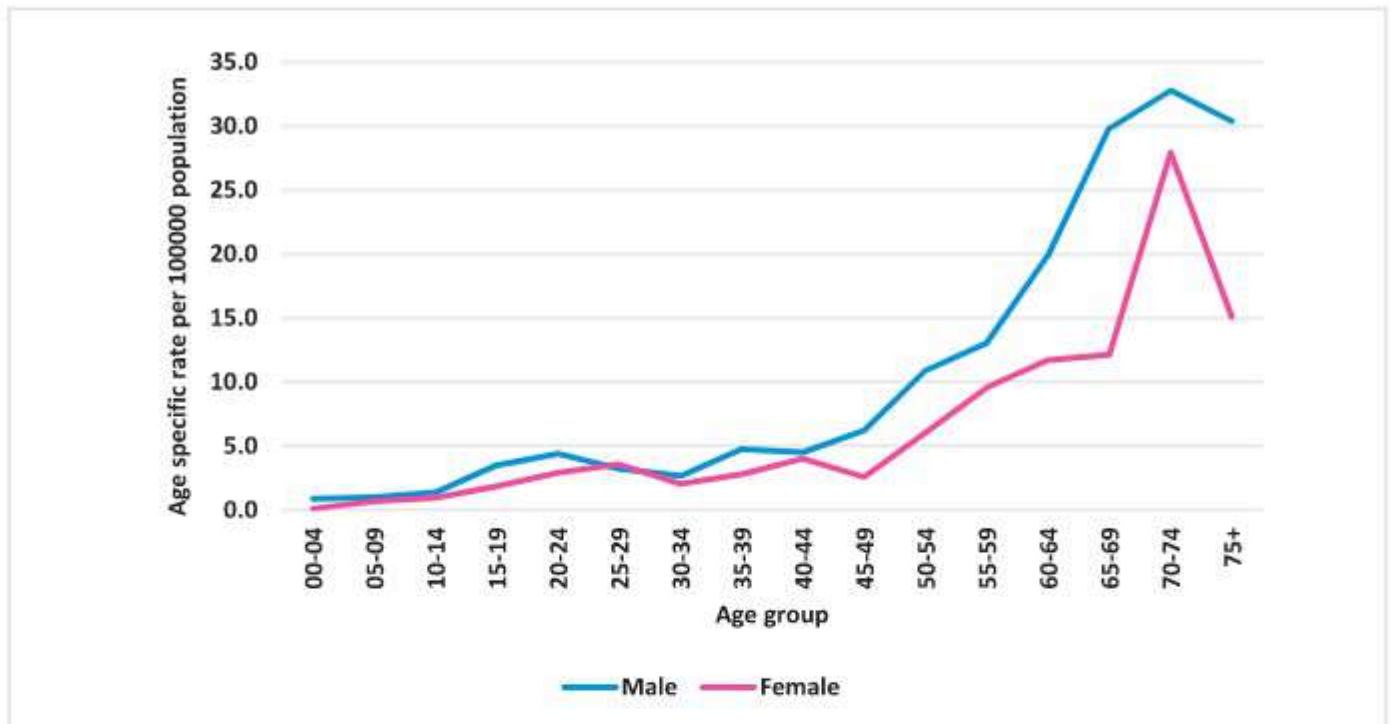


Figure 50: Age specific incidence rate of Lymphomas in Sri Lanka, 2016

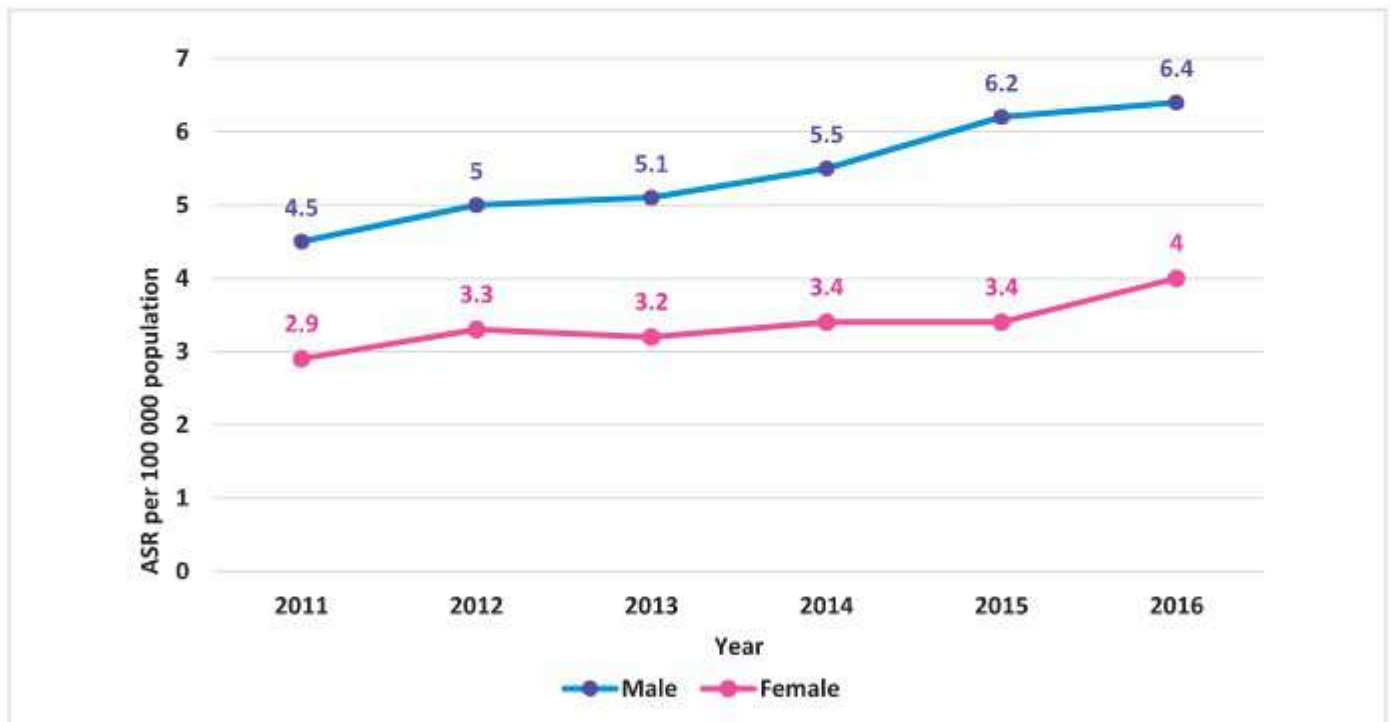


Figure 51: Age standardized incidence rates of Lymphomas in Sri Lanka, 2011 - 2016

Table 31: Leukemia incidence data in Sri Lanka, 2016

Group	Number	%	ASR	Cum. Rate
Male	515	3.2	5.0	0.4
Female	422	2.4	3.7	0.3

ASR – Age Standardized Incidence Rate per 100,000 population

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

ICD O code and site	Male	Female
C91.0 Acute lymphoblastic leukaemia	180	105
C91.1 Chronic lymphocytic leukaemia of B-cell type	26	14
C91.3 Prolymphocytic leukemia of B-cell type	1	2
C91.4 Hairy cell leukemia	1	1
C91.5 Acute T cell leukaemia	1	3
C91.8 Mature B cell leukaemia Burkitt type	3	4
C91.9 Lymphoid leukaemia	0	1
C92.0 Acute myeloblastic leukaemia(AML)	184	165
C92.1 Chronic myeloid leukemia, NOS	61	64
C92.2 Atypical chronic myeloid leukaemia	1	0
C92.3 Myeloid sarcoma	2	2
C92.4 Acute promyelocytic leukemia	4	5
C92.5 Acute myelomonocytic leukemia	5	7
C92.8 Acute myelomonocytic leukemia with multilineage dysplasia	0	2
C92.9 Myeloid leukaemia,unspecified	0	2
C93.0 Acute monocytic leukemia	6	7
C93.1 Chronic myelomonocytic leukaemia	2	2
C94.0 Acute erythroid leukaemia	3	4
C94.2 Acute megakaryoblastic leukaemia	2	2
C94.4 Acute panmyelosis with myelofibrosis	3	5
C95.0 Acute leukemia of unspecified cell type	18	11
C95.9 Leukemia, unspecified	12	14
Total	515	422

ICD O code and histology	Male	Female
9800 Leukaemia,NOS	17	16
9801 Acute leukaemia	18	11
9820 Lymphoid leukaemia	0	1
9823 B cell chronic lymphocytic leukaemia	26	14
9826 Burkitt cell leukaemia	3	4
9827 Adult T cell leukaemia	1	3
9832 Prolymphocytic leukaemia,NOS	1	2
9835 Precursor cell lymphoblastic leukaemia,NOS	156	86
9836 Precursor B cell lymphoblastic leukaemia	10	11
9837 Precursor T cell lymphoblastic leukaemia	9	6
9840 Acute myeloid leukaemia,M6 type	3	4
9860 Myeloid leukaemia,NOS	0	2

Table 31 continued...

ICD O code and histology		Male	Female
9861	Acute myeloid leukaemia,NOS	148	127
9863	Chronic myeloid leukaemia,NOS	59	64
9866	Acute promyelocytic leukaemia	4	5
9867	Acute myelomonocytic leukaemia	5	6
9871	Acute myeloid leukaemia with abnormal marrow eosinophils	0	1
9872	Acute myeloid leukaemia,minimal differentiation	0	1
9873	Acute myeloid leukaemia without maturation	1	4
9874	Acute myeloid leukaemia with maturation	23	20
9875	Chronic myelogenous leukaemia	2	0
9876	Atypical chronic myeloid leukaemia	1	0
9891	Acute monocytic leukaemia	6	7
9895	Acute myeloid leukaemia with multilineage dysplasia	0	2
9896	Acute myeloid leukaemia	12	13
9910	Acute megakaryoblastic leukaemia	2	2
9930	Myeloid sarcoma	2	2
9931	Acute panmyelosis withmyelofibrosis	3	5
9940	Hairy cell leukaemia	1	1
9945	Chronic myelomonocytic leukaemia	2	2
Total		515	422

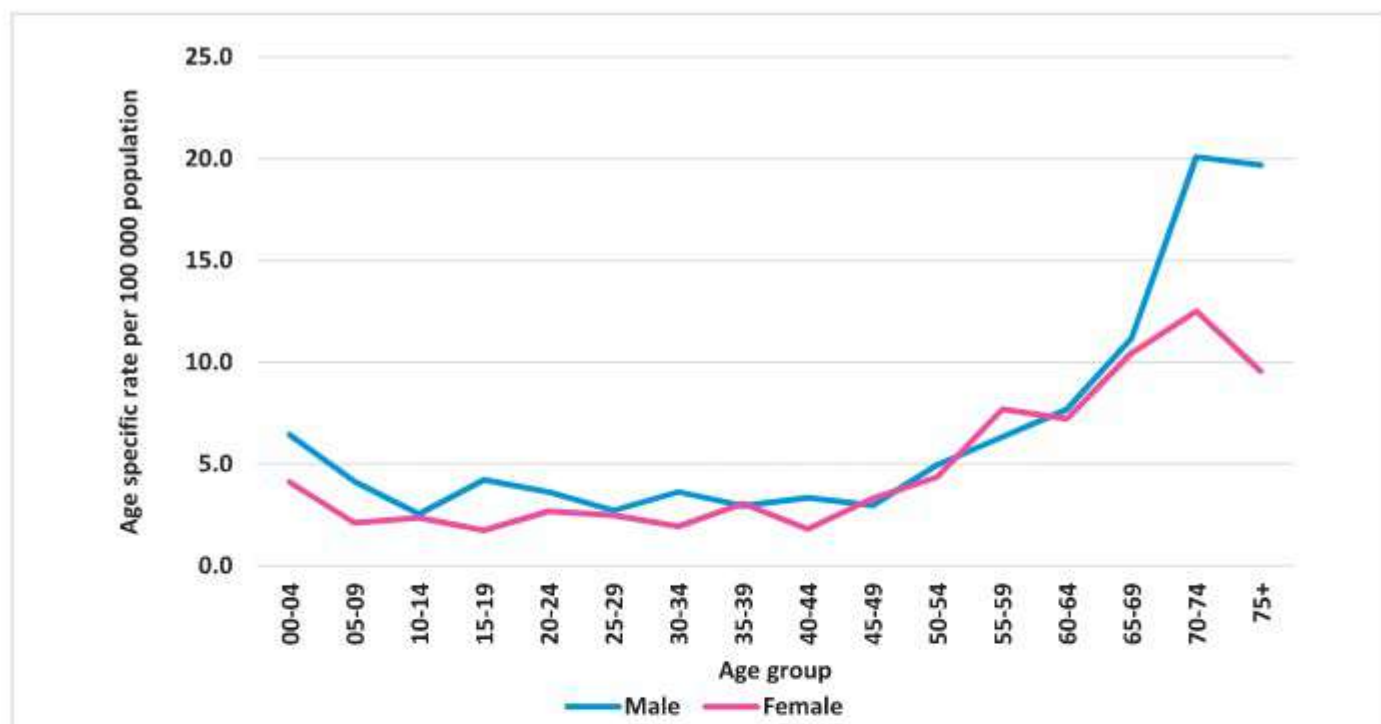


Figure 52: Age specific incidence rates of Leukaemias in Sri Lanka, 2016



Figure 53: Age standardized incidence rates of Leukaemias in Sri Lanka, 2011 – 2016

Clinical staging at the point of diagnosis of Breast, Cervix and Lip tongue mouth cancers in Sri Lanka, 2016

Figure 54, 55 and 56 give clinical staging information at the point of diagnosis of breast, cervix and lip, tongue, mouth cancers. Information on clinical staging was available for;

29.8% diagnosed breast cancers

35.3% diagnosed cervical cancer and

18% diagnosed lip, tongue and mouth cancers.

The percentages computed are out of the cancers with staging information.

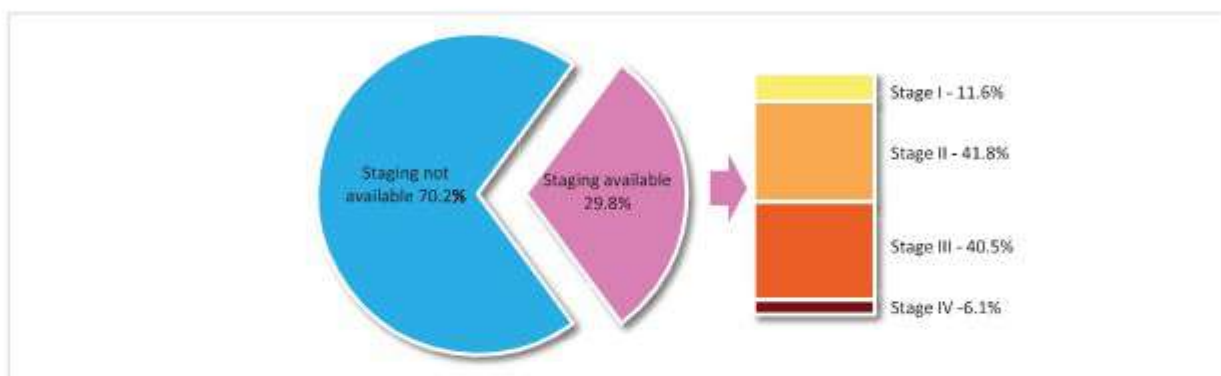


Figure 54: Clinical stage at point of diagnosis of breast cancers in Sri Lanka, 2016



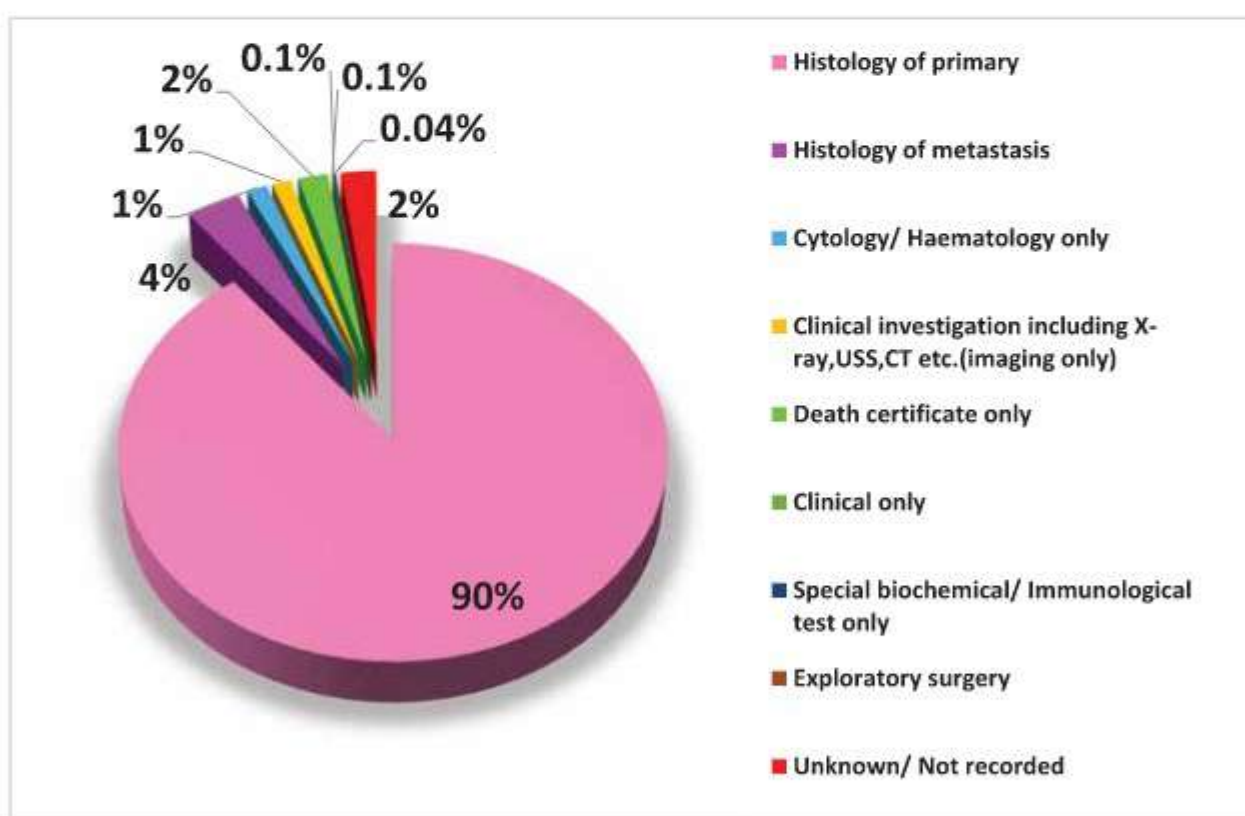
Figure 55: Clinical stage at point of diagnosis of cervical cancers in Sri Lanka, 2016



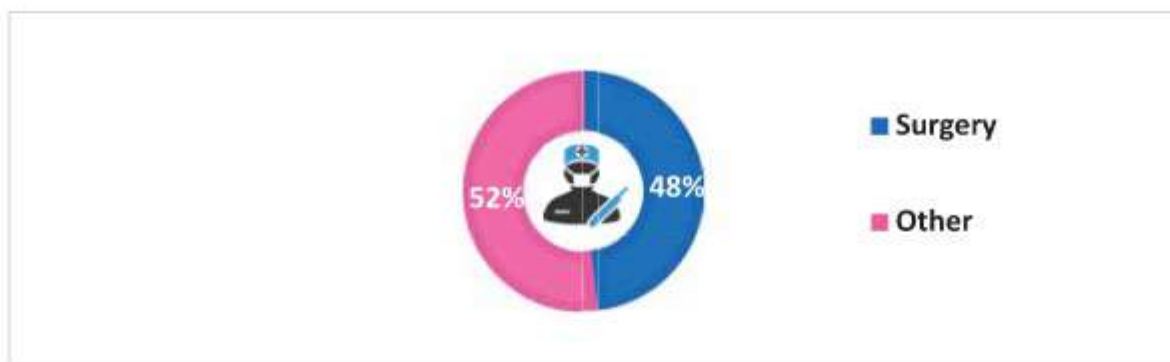
Figure 56: Clinical stage at point of diagnosis of lip, tongue and mouth cancers in Sri Lanka, 2016

Table 32: Basis of diagnosis of cancer patients in Sri Lanka, 2016

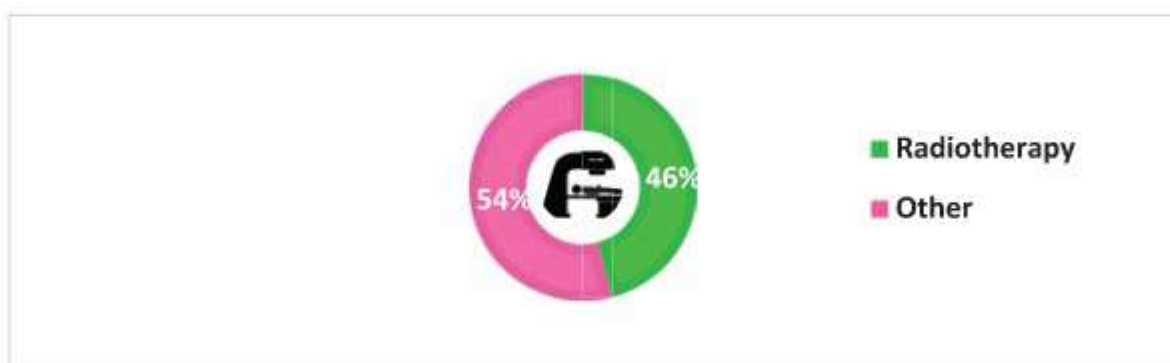
Basis of diagnosis	Frequency	Percentage
Diagnosed microscopically		
Histology of primary	30620	89.5
Histology of metastasis	1194	3.5
Cytology/ Haematology only	438	1.3
Sub total	32252	94.3
Diagnosed non - microscopically		
Clinical investigation including X-ray, USS, CT etc.(imaging only)	433	1.3
Death certificate only	656	1.9
Clinical only	20	0.1
Special biochemical/ Immunological test only	33	0.1
Exploratory surgery	12	0.04
Unknown/ Not recorded	773	2.3
Total	34179	100.0

**Figure 57: Basis of diagnosis of cancer in Sri Lanka, 2016**

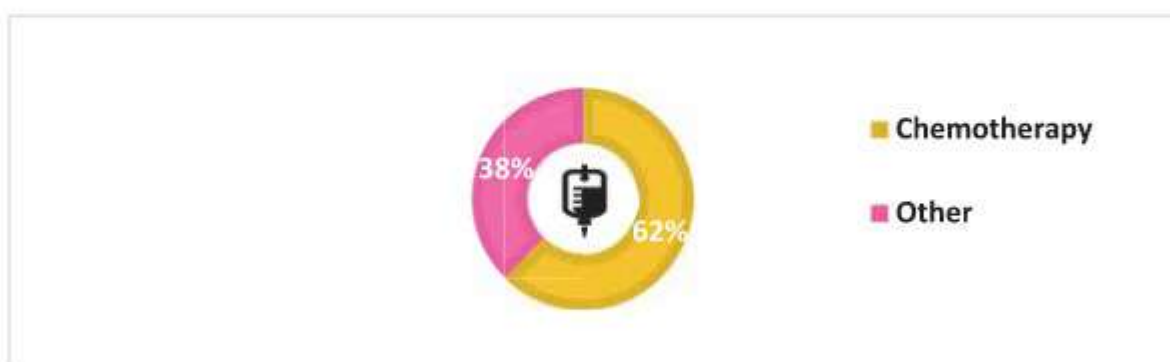
Treatment details are available among 9841 patients (28.8%) out of 34179 patients



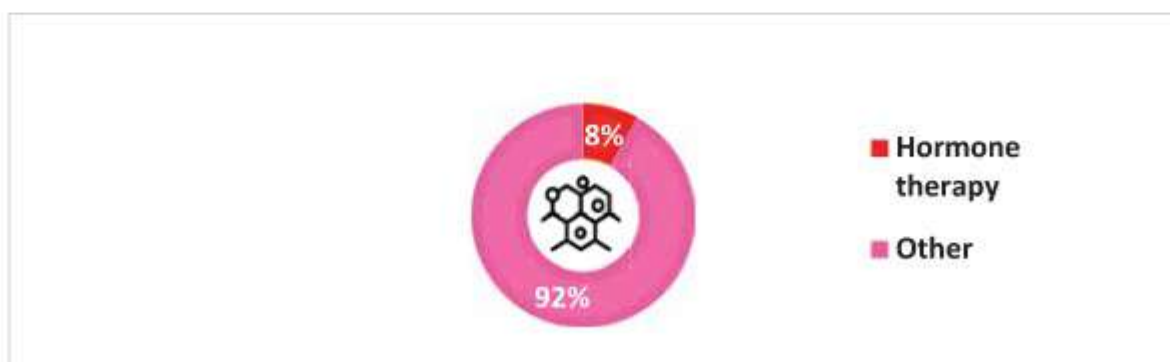
Percentage of patients who received surgical treatment



Percentage of patients who received radiotherapy



Percentage of patients who received chemotherapy



Percentage of patients who received hormone therapy

Figure 58: Percentage of newly detected cancer patients who received different types of treatment in Sri Lanka, 2016

Table 33 : Childhood and adolescent cancer incidence data (0-19 years) Sri Lanka 2016 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 Leukaemia's, myeloproliferative diseases, and myelodyspastic diseases				
a. Lymphoid leukaemia	9811 B lymphoblastic leukaemia/lymphoma, NOS	2	1	3
	9826 Burkitt cell leukaemia	2	2	4
	9835 Precursor cell lymphoblastic leukaemia, NOS	98	55	153
	9836 Precursor B-cell lymphoblastic leukaemia	9	8	17
	9837 Precursor T-cell lymphoblastic leukaemia	1	3	4
b. Acute myeloid leukaemia	9840 Acute myeloid leukaemia, M6 type	0	1	1
	9861 Acute myeloid leukaemia, NOS	22	13	35
	9874 Acute myeloid leukaemia with maturation	5	4	9
	9910 Acute megakaryoblastic leukaemia	2	0	2
c. Chronic myeloproliferative diseases	9863 Chronic myeloid leukaemia, NOS	4	2	6
	9875 Chronic myelogenous leukaemia BCR/ABL positive	1	0	1
d. Myelodysplastic syndrome and other myeloproliferative diseases	9989 Myelodysplastic syndrome, NOS	1	0	1
	9983 Refractory anaemia with excess blasts	1	0	1
e. Unspecified and other specified leukaemia	9800 Leukaemia NOS	1	0	1
	9801 Acute leukaemia, NOS	7	1	8
	9930 Myeloid sarcoma	1	1	2
Total		157	91	248
II Lymphomas and reticuloendothelial neoplasms				
a. Hodgkin lymphomas	9650 Hodgkin lymphoma, NOS	16	13	29
	9652 Hodgkin lymphoma, mixed cellularity, NOS	3	2	5
	9659 Hodgkin lymphoma, nodular lymphocyte predominance	0	1	1
	9663 Hodgkin lymphoma, nodular sclerosis, NOS	5	4	9

Table 33 continued...

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
b. Non_Hodgkin lymphomas(except Burkitt lymphoma)	9680 Malignant lymphoma, large B-cell, diffuse, NOS	1	1	2
	9695 Follicular lymphoma, grade 1	1	0	1
	9700 Mycosis fungoides	2	2	4
	9714 Anaplastic large cell lymphoma, T cell and	19	3	22
	9727 Precursor cell lymphoblastic lymphoma, NOS	2	1	3
	9729 Precursor T-cell lymphoblastic lymphoma	1	2	3
c. Burkitt lymphoma	9687 Burkitt lymphoma, NOS	3	0	3
d. Miscellaneous lymphoreticular neoplasms	9754 Langherhan cell histiocytosis, disseminated	2	0	2
e. Unspecified lymphomas	9590 Malignant lymphoma, NOS	4	2	6
Total		59	31	90
III CNS and miscellaneous intracranial and intraspinal neoplasms				
a. Ependymomas and choroid plexus tumour	9390 Choroid plexus carcinoma	2	1	3
	9391 Ependymoma, NOS	2	4	6
	9392 Ependymoma, anaplastic	1	2	3
b. Astrocytoma	9380 Glioma, malignant	1	3	4
	9400 Astrocytoma, NOS	13	4	17
	9401 Astrocytoma, anaplastic	0	1	1
	9420 Fibrillary astrocytoma	0	1	1
	9424 Pleomorphic xanthoastrocytoma	1	0	1
	9425 Pilomyxoid astrocytoma	1	0	1
	9440 Glioblastoma, NOS	0	4	4
c. Intracranial and intraspinal embryonal tumours	9470 Medulloblastoma, NOS	10	6	16
	9471 Desoplastic nodular medulloblastoma	1	0	1
	9473 Primitive neuroectodermal tumour	2	0	2
d. Other gliomas	9380 Glioma, malignant	7	7	14
	9382 Mixed glioma	1	0	1
	9450 Oligodendroglioma, NOS	1	2	3
	9451 Oligodendroglioma, anaplastic	2	1	3
e. Other specified intracranial and intraspinal neoplasms		0	0	0
f. Unspecified intracranial and intraspinal neoplasms	8000 Neoplasm, malignant	1	1	2
Total		46	37	83

Table 33 continued...

ICCC-3 Site Group		ICD -O-3 Histology		Male	Female	Total
IV	Neuroblastoma and other peripheral nervous cell tumours					
	a. Neuroblastoma and ganglioneuroblastoma	9490	Ganglioneuroblastoma	5	4	9
		9500	Neuroblastoma, NOS	14	13	27
	Total			19	17	36
V	Retinoblastoma					
	Retinoblastoma	9510	Retinoblastoma, NOS	20	17	37
		9511	Retinoblastoma, differentiated	0	1	1
		9512	Retinoblastoma, undifferentiated	0	2	2
	Total			20	20	40
VI	Renal tumours					
	a. Nephroblastoma and other nonepithelial renal tumours	8960	Nephroblastoma, NOS	17	5	22
	B. Renal carcinomas	8312	Renal cell carcinoma, NOS	1	1	2
	c. Unspecified malignant renal tumours	8000	Neoplasm, malignant	0	1	1
	Total			18	7	25
VII	Hepatic tumours					
	a. Hepatoblastoma	8970	Hepatoblastoma	4	3	7
	b. Hepatic carcinomas	8170	Hepatocellular carcinoma, NOS	4	3	7
	Total			8	6	14
VIII	Malignant bone tumours					
	a. Osteosarcomas	9180	Osteosarcoma, NOS	27	19	46
		9181	Chondroblastic osteosarcoma	1	1	2
		9186	Central Osteosarcoma	1	2	3
	b. Chondrosarcomas	9220	Chondrosarcoma, NOS	1	1	2
		9240	Mesenchymal chondrosarcoma	0	1	1
	c. Ewing tumours and related sarcomas of bone	9260	Ewing sarcoma	15	16	31
	d. Other specified malignant bone tumours	9250	Giant cell tumour of bone, malignant	2	0	2
		9330	Ameloblastic fibrosarcoma	1	0	1
		9370	Chordoma	1	0	1
	e. Unspecified malignant bone tumours	8000	Neoplasm, malignant	0	1	1
		8800	Sarcoma, NOS	2	2	4
		8801	Spindle cell sarcoma	1	0	1

Table 33 continued...

ICCC-3 Site Group		ICD -O-3 Histology		Male	Female	Total
Total				52	43	95
IX	Soft tissue and other extraosseous sarcoma					
	a. Rhabdomyosarcoma	8900	Rhabdomyosarcoma, NOS	6	4	10
		8910	Embryonal rhabdomyosarcoma, NOS	2	6	8
		8912	Spindle cell rhabdomyosarcoma	0	1	1
		8920	Alveolar rhabdomyosarcoma	1	0	1
	b. Fibrosarcomas, peripheral nerve sheath tumours, and other fibrous neoplasms	8811	Fibromyxosarcoma	0	3	3
		9540	Malignant peripheral nerve sheath tumour	0	2	2
		9560	Neurilemoma, malignant	1	0	1
	d. Other specified soft tissue sarcomas	8806	Desmoplastic small round cell tumour	5	6	11
		8832	Dermatofibrosarcoma, NOS	0	1	1
		8854	Pleomorphic liposarcoma			
		8895	Myosarcoma	0	2	2
		8921	Rhabdomyosarcoma with ganglionic differentiation	1	0	1
		8963	Malignant rhabdoid tumour	1	0	1
		9040	Synovial sarcoma, NOS	3	1	4
		9041	Synovial sarcoma, spindle cell	1	0	1
		9120	Hemangiosarcoma	0	1	1
		9121	Cavernous hemangioma	0	1	1
		9130	Hemangioendothelioma, malignant	0	1	1
		9170	Lymphangiosarcoma	0	1	1
		9260	Ewing sarcoma	1	1	2
		9364	Peripheral neuroectodermal tumour	0	2	2
	e. Unspecified soft tissue sarcomas	9581	Alveolar soft part sarcoma	1	0	1
		8800	Sarcoma, NOS	3	1	4
		8804	Epithelioid sarcoma	0	1	1
Total				26	35	61
X	Germ cell tumours, trophoblastic tumours, and neoplasms of gonads					
	a. Intracranial and intraspinal germ cell tumours	9064	Germinoma	5	2	7
		9080	Teratoma, malignant NOS	0	1	1
		9082	Malignant teratoma, undifferentiated	0	1	1

Table 33 continued...

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
b. Malignant extracranial and extragonadal germ cell tumours	9060 Dysgerminoma	0	1	1
	9064 Germinoma	5	1	6
	9071 Yolk sac tumour	0	2	2
	9080 Teratoma, malignant, NOS	3	1	4
	9085 Mixed germ cell tumour	1	0	1
	9100 Choriocarcinoma, NOS	0	2	2
c. Malignant gonadal germ cell tumours	9060 Dysgerminoma	0	8	8
	9061 Seminoma, NOS	1	0	1
	9064 Germinoma	1	3	4
	9065 Germ cell tumour, nonseminomatous	1	0	1
	9070 Embryonal carcinoma, NOS	0	1	1
	9071 Yolk sac tumour	4	7	11
d. Gonadal carcinomaa	9080 Teratoma, malignant, NOS	0	3	3
	9085 Mixed germ cell tumour	3	1	4
	9100 Choriocarcinoma, NOS	0	2	2
	8140 Adenocarcinoma, NOS	0	1	1
	8441 Serous cystadenocarcinoma, NOS	0	1	1
	8460 Papillary serous cystadenocarcinoma	0	1	1
e. Other and unspecified malignant gonadal tumours	8472 Mucinous cystic tumour of borderline	0	2	2
	8480 Mucinous adenocarcinoma	0	2	2
	8000 Neoplasm,malignant	0	1	1
	8001 Tumour cells, malignant	0	1	1
	8620 Granulosa cell tumour, malignant	0	1	1
	8622 Granulosa cell tumur, juvenile	0	1	1
Total		24	47	71
XI	Other malignant epithelial neoplasms and malignant melanomas			
a. Adrenocortical carcinoms	8370 Adrenal cortical carcinoma	0	1	1
b. Thyroid carcinomas	8050 Papillary carcinoma, NOS	2	13	15
	8260 Papillary adenocarcinoma, NOS	4	32	36
	8290 Oxyphillic adenocarcinoma	1	4	5
	8330 Follicular adenocarcinoma, NOS	3	5	8
	8335 Follicular carcinoma, minimally invasive	0	3	3
	8340 Papillary carcinoma, follicular variant	0	7	7
	8341 Papillary microcarcinoma	1	2	3
	8343 Papillary carcinoma, encapsulated	0	1	1

Table 33 continued...

ICCC-3 Site Group	ICD -O-3 Histology	Male	Female	Total
	8510 Medullary carcinoma, NOS	0	1	1
c. Nasopharyngeal carcinomas	8010 Carcinoma, NOS	2	3	5
	8070 Squamous cell carcinoma, NOS	1	0	1
	8072 Squamous cell carcinoma, large cell, non keratinizing, NOS	1	0	1
d. Malignant melanomas	8720 Malignant melanoma, NOS	0	1	1
e. Skin carcinomas	8032 Spindle cell carcinoma, NOS	1	0	1
f. Other and unspecified carcinomas	8010 Carcinoma, NOS	0	2	2
	8033 Pseudosarcomatous carcinoma	0	2	2
	8070 Squamous cell carcinoma, NOS	6	1	7
	8130 Papillary transitional cell carcinoma	1	2	3
	8140 Adenocarcinoma, NOS	2	2	4
	8200 Adenoid cystic carcinoma	1	1	2
	8240 Carcinoid tumour, NOS	2	1	3
	8246 Neuroendocrine carcinoma, NOS	2	0	2
	8430 Mucoepidermoid carcinoma	2	3	5
	8452 Solid pseudopapillary carcinoma	0	4	4
	8500 Infiltrating duct carcinoma	0	1	1
	8502 Secretory carcinoma of breast	0	1	1
	8521 Infiltrating ductular carcinoma	0	1	1
Total		32	94	126
XII Other and unspecified malignant neoplasms				
a. Other specified malignant tumours		0	0	0
b. Other unspecified malignant tumours	8000 Neoplasm, malignant	12	12	24
	8002 Malignant tumour, small cell type	1	1	2
	8004 Malignant tumour, spindle cell type	1	1	1
Total		14	14	27
Grand Total		475	442	917

Table 34: Overall cancer incidence by province & district in Sri Lanka, 2016

Province	District	Male		Female		Total	
		No	%	No	%	No	%
Western	Not known	6107	36.9	5886	33.4	11993	35.1
		3441	20.8	3791	21.5	7232	21.2
	Colombo	1625	9.8	1856	10.5	3481	10.2
	Gampaha	1178	7.1	1247	7.1	2425	7.1
Central	Kalutara	638	3.9	688	3.9	1326	3.9
		1101	6.7	1396	7.9	2497	7.3
	Kandy	583	3.5	777	4.4	1360	4.0
	Matale	290	1.8	272	1.5	562	1.6
Southern	Nuwara Eliya	228	1.4	347	2.0	575	1.7
		1293	7.8	1459	8.3	2752	8.1
	Galle	623	3.8	713	4.0	1336	3.9
	Hambantota	224	1.4	250	1.4	474	1.4
Northern	Matara	446	2.7	496	2.8	942	2.8
		650	3.9	694	3.9	1344	3.9
	Jaffna	456	2.8	488	2.8	944	2.8
	Kilinochchi	54	0.3	46	0.3	100	0.3
	Mannar	46	0.3	44	0.2	90	0.3
	Mullaitivu	30	0.2	29	0.2	59	0.2
	Vavuniya	64	0.4	87	0.5	151	0.4
Eastern		526	3.2	698	4.0	1224	3.6
	Ampara	223	1.3	322	1.8	545	1.6
	Batticaloa	179	1.1	218	1.2	397	1.2
	Trincomalee	124	0.8	158	0.9	282	0.8
North Western		1273	7.7	1291	7.3	2564	7.5
	Kurunegala	928	5.6	938	5.3	1866	5.5
	Puttalam	345	2.1	353	2.0	698	2.0
North Central		576	3.5	592	3.4	1168	3.4
	Anuradhapura	391	2.4	442	2.5	833	2.4
	Polonnaruwa	185	1.1	150	0.9	335	1.0
Uva		467	2.8	591	3.3	1058	3.1
	Badulla	312	1.9	379	2.1	691	2.0
	Moneragala	155	0.9	212	1.2	367	1.1
Sabaragamuwa		1099	6.6	1248	7.1	2347	6.9
	Kegalle	455	2.8	440	2.5	895	2.6
	Ratnapura	644	3.9	808	4.6	1452	4.2
Total		16533	100.0	17646	100.0	34179	100.0

Table 35: Leading cancer incidence data by district in Sri Lanka, 2016

Western Province

Colombo

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	554	23.1	15.9
2	C33- 34 Trachea, bronchus and lung	269	11.2	7.7
3	C18-20 Colon and rectum	262	10.9	7.5
4	C73 Thyroid	200	8.3	5.7
5	C00-C06 Lip, tongue and mouth	183	7.6	5.2
6	C56 Ovary	152	6.3	4.3
7	C61 Prostate	136	5.6	3.9
8	C22 Liver	124	5.17	3.56
9	C54-C55 Uterus	123	5.1	3.5
10	C53 Cervix	119	4.9	3.4
Total (all sites)		3481	145.3	100

Gampaha

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	362	15.3	14.9
2	C18-20 Colon and rectum	212	8.9	8.7
3	C00-C06 Lip, tongue and mouth	211	8.9	8.7
4	C73 Thyroid	172	7.3	7.09
5	C33- 34 Trachea, bronchus and lung	168	7.1	6.9
6	C56 Ovary	111	4.7	4.5
7	C15 Oesophagus	104	4.4	4.28
8	C81-C85 and C96 Lymphoma	97	4.1	4
9	C53 Cervix	93	3.9	3.8
10	C54-C55 Uterus	83	3.5	3.4
Total (all sites)		2425	102.2	100

Kalutara

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	206	16.3	15.5
2	C00-C06 Lip, tongue and mouth	140	11.1	10.6
3	C18-20 Colon and rectum	96	7.6	7.2
4	C73 Thyroid	93	7.4	7.0
5	C33- 34 Trachea, bronchus and lung	85	6.7	6.4
6	C15 Oesophagus	54	4.3	4.1
7	C61 Prostate	54	4.3	4.1
8	C91-C95 Leukaemia	52	4.1	3.9
9	C56 Ovary	51	4.0	3.8
10	C53 Cervix	50	4.0	3.8
Total (all sites)		1326	105.2	100.0

Central Province

Kandy

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	203	14.2	14.9
2	C15 Oesophagus	145	10.1	10.7
3	C33- 34 Trachea, bronchus and lung	103	7.2	7.6
4	C18-20 Colon and rectum	94	6.6	6.9
5	C00-C06 Lip,tongue and mouth	87	6.1	6.4
6	C73 Thyroid	73	5.1	5.4
7	C81-C85 and C96 Lymphoma	73	5.1	5.4
8	C56 Ovary	60	4.2	4.4
9	C91-C95 Leukaemia	59	4.1	4.3
10	C53 Cervix	44	3.1	3.2
Total (all sites)		1360	94.9	100.0

Matale

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	76	14.9	13.5
2	C00-C06 Lip,tongue and mouth	45	8.8	8.0
3	C15 Oesophagus	43	8.5	7.6
4	C18-20 Colon and rectum	43	8.5	7.6
5	C09-C14 Pharynx	41	8.1	7.3
6	C33- 34 Trachea,bronchus and lung	33	6.5	5.9
7	C56 Ovary	24	4.7	4.3
8	C73 Thyroid	24	4.7	4.3
9	C53 Cervix	21	4.1	3.7
10	C91-C95 Leukaemia	21	4.1	3.7
Total (all sites)		562	110.6	100

Nuwara Eliya

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	70	9.3	12.2
2	C15 Oesophagus	69	9.2	12
3	C00-C06 Lip,tongue and mouth	61	8.1	10.6
4	C73 Thyroid	41	5.5	7.1
5	C18-20 Colon and rectum	39	5.2	6.8
6	C53 Cervix	38	5.1	6.6
7	C91-C95 Leukaemia	26	3.5	4.5
8	C56 Ovary	23	3.1	4
9	C16 Stomach	22	2.9	3.8
10	C33- 34 Trachea,bronchus and lung	21	2.8	3.7
Total (all sites)		575	76.8	100

Southern Province

Galle

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	186	16.9	13.9
2	C73 Thyroid	137	12.4	10.3
3	C00-C06 Lip,tongue and mouth	121	10.9	9.1
4	C18-20 Colon and rectum	112	10.2	8.4
5	C15 Oesophagus	74	6.7	5.5
6	C33- 34 Trachea,bronchus and lung	74	6.7	5.5
7	C81-C85 and C96 Lymphoma	60	5.4	4.5
8	C53 Cervix	49	4.4	3.7
9	C91-C95 Leukaemia	47	4.3	3.5
10	C56 Ovary	45	4.1	3.4
Total (all sites)		1336	121.2	100

Hambanthota

Rank	ICD code and site	Cases	CR	%
1	C73 Thyroid	68	10.7	14.3
2	C50 Breast	60	9.4	12.7
3	C00-C06 Lip,tongue and mouth	49	7.7	10.3
4	C18-20 Colon and rectum	35	5.5	7.4
5	C33- 34 Trachea,bronchus and lung	28	4.4	5.9
6	C81-C85 and C96 Lymphoma	22	3.5	4.6
7	C53 Cervix	21	3.3	4.4
8	C61 Prostate	16	2.5	3.4
9	C15 Oesophagus	15	2.4	3.2
10	C43 - 44 Skin	14	2.2	3.0
Total (all sites)		474	74.4	100.0

Matara

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	111	13.1	11.8
2	C73 Thyroid	99	11.7	10.5
3	C00-C06 Lip,tongue and mouth	96	11.4	10.2
4	C18-20 Colon and rectum	95	11.2	10.1
5	C15 Oesophagus	49	5.8	5.2
6	C33- 34 Trachea,bronchus and lung	48	5.7	5.1
7	C81-C85 and C96 Lymphoma	47	5.6	5.0
8	C91-C95 Leukaemia	38	4.5	4.0
9	C53 Cervix	35	4.1	3.7
10	C61 Prostate	34	4.0	3.6
Total (all sites)		942	111.5	100.0

Northern province

Jaffna

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	141	23.4	14.9
2	C00-C06 Lip,tongue and mouth	136	22.6	14.4
3	C73 Thyroid	73	12.1	7.7
4	C15 Oesophagus	58	9.6	6.1
5	C09-C14 Pharynx	54	9.0	5.7
6	C53 Cervix	44	7.3	4.7
7	C81-C85 and C96 Lymphoma	38	6.3	4.0
8	C56 Ovary	36	6.0	3.8
9	C33- 34 Trachea,bronchus and lung	32	5.3	3.4
10	C61 Prostate	32	5.3	3.4
Total(all sites)		944	156.8	100.0

Kilinochchi

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip,tongue and mouth	14	11.5	14
2	C50 Breast	10	8.2	10
3	C73 Thyroid	8	6.5	8
4	C15 Oesophagus	7	5.7	7
5	C53 Cervix	7	5.7	7
6	C09-C14 Pharynx	5	4.1	5
7	C81-C85 and C96 Lymphoma	5	4.1	5
8	C16 Stomach	4	3.3	4
9	C90 Multiple myeloma	4	3.3	4
10	C18-20 Colon and rectum	3	2.5	3
Total (all sites)		100	81.9	100

Mannar

Rank	ICD code and site	Cases	CR	%
1	C73 Thyroid	10	9.5	11.1
2	C50 Breast	9	8.5	10.0
3	C00-C06 Lip,tongue and mouth	8	7.6	8.9
4	C33- 34 Trachea,bronchus and lung	7	6.6	7.8
5	C56 Ovary	7	6.6	7.8
6	C81-C85 and C96 Lymphoma	7	6.6	7.8
7	C15 Oesophagus	5	4.7	5.6
8	C53 Cervix	5	4.7	5.6
9	C09-C14 Pharynx	4	3.8	4.4
10	C21 Anus and anal canal	4	3.8	4.4
Total (all sites)		90	85.2	100.0

Mullaitivu

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip,tongue and mouth	11	11.6	18.6
2	C50 Breast	7	7.4	11.9
3	C15 Oesophagus	6	6.3	10.2
4	C53 Cervix	5	5.3	8.5
5	C09-C14 Pharynx	4	4.2	6.8
6	C32 Larynx	3	3.2	5.1
7	C73 Thyroid	3	3.2	5.1
8	C18-20 Colon and rectum	2	2.1	3.4
9	C40 - 41 Bone	2	2.1	3.4
10	C47 and C49 Connective tissue and soft tissue	2	2.1	3.4
Total (all sites)		59	62.0	100.0

Vavuniya

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip,tongue and mouth	25	13.7	16.6
2	C50 Breast	19	10.4	12.6
3	C73 Thyroid	13	7.1	8.6
4	C15 Oesophagus	12	6.6	7.9
5	C53 Cervix	12	6.6	7.9
6	C56 Ovary	11	6.0	7.3
7	C91-C95 Leukaemia	8	4.4	5.3
8	C09-C14 Pharynx	7	3.8	4.6
9	C18-20 Colon and rectum	6	3.3	4.0
10	C33- 34 Trachea,bronchus and lung	5	2.7	3.3
Total		151	83.0	100.0

Eastern province

Ampara

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	75	10.9	13.8
2	C73 Thyroid	74	10.7	13.6
3	C33- 34 Trachea,bronchus and lung	37	5.4	6.8
4	C00-C06 Lip,tongue and mouth	33	4.8	6.1
5	C91-C95 Leukaemia	32	4.6	5.9
6	C18-20 Colon and rectum	31	4.5	5.7
7	C15 Oesophagus	30	4.3	5.5
8	C81-C85 and C96 Lymphoma	25	3.6	4.6
9	C56 Ovary	24	3.5	4.4
10	C53 Cervix	22	3.2	4
Total (all sites)		545	78.9	100

Batticaloa

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	68	12.4	17.1
2	C73 Thyroid	37	6.7	9.3
3	C33- 34 Trachea,bronchus and lung	28	5.1	7.1
4	C15 Oesophagus	25	4.5	6.3
5	C18-20 Colon and rectum	20	3.6	5.0
6	C00-C06 Lip,tongue and mouth	19	3.5	4.8
7	C56 Ovary	19	3.5	4.8
8	C91-C95 Leukaemia	19	3.5	4.8
9	C53 Cervix	18	3.3	4.5
10	C09-C14 Pharynx	14	2.5	3.5
Total (all sites)		397	72.2	100.0

Trincomalee

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	50	12.4	17.7
2	C00-C06 Lip,tongue and mouth	38	9.4	13.5
3	C73 Thyroid	25	6.2	8.9
4	C53 Cervix	17	4.2	6.0
5	C91-C95 Leukaemia	17	4.2	6.0
6	C33-C34 Trachea,bronchus and lung	16	4.0	5.7
7	C18-C20 Colon and rectum	12	3.0	4.3
8	C15 Oesophagus	11	2.7	3.9
9	C32 Larynx	10	2.5	3.5
10	C09-C14 Pharynx	8	2.0	2.8
Total (all sites)		282	69.7	100.0

North Western Province

Kurunegala

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	249	14.9	13.3
2	C00-C06 Lip,tongue and mouth	182	10.9	9.8
3	C15 Oesophagus	138	8.2	7.4
4	C73 Thyroid	130	7.8	7.0
5	C18- C20 Colon and rectum	122	7.3	6.5
6	C91-C95 Leukaemia	102	6.1	5.5
7	C33- 34 Trachea,bronchus and lung	98	5.8	5.3
8	C09-C14 Pharynx	84	5.0	4.5
9	C53 Cervix	70	4.2	3.8
10	C56 Ovary	68	4.1	3.6
Total (all sites)		1866	111.4	100

Puttalam

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	81	10.1	11.6
2	C73 Thyroid	58	7.2	8.3
3	C00-C06 Lip,tongue and mouth	56	7.0	8.0
4	C33-C34 Trachea,bronchus and lung	52	6.5	7.4
5	C18-C20 Colon and rectum	50	6.2	7.2
6	C53 Cervix	44	5.5	6.3
7	C56 Ovary	30	3.7	4.3
8	C15 Oesophagus	29	3.6	4.2
9	C81-C85 and C96 Lymphoma	27	3.4	3.9
10	C91-C95 Leukaemia	27	3.4	3.9
Total (all sites)		698	87.1	100.0

North Central Province

Anuradhapura

Rank	ICD code and site	Cases	CR	%
1	C50 Breast	107	11.8	12.8
2	C00-C06 Lip,tongue and mouth	94	10.4	11.3
3	C33- 34 Trachea,bronchus and lung	76	8.4	9.1
4	C73 Thyroid	63	7.0	7.6
5	C15 Oesophagus	53	5.9	6.4
6	C53 Cervix	50	5.5	6.0
7	C18-C20 Colon and rectum	42	4.6	5.0
8	C56 Ovary	40	4.4	4.8
9	C91-C95 Leukaemia	34	3.8	4.1
10	C54-C55 Uterus	33	3.6	4.0
Total (all sites)		833	92.0	100.0

Pollonnaruwa

Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip,tongue and mouth	60	14.1	17.9
2	C50 Breast	41	9.6	12.2
3	C33- 34 Trachea,bronchus and lung	25	5.9	7.5
4	C73 Thyroid	25	5.9	7.5
5	C15 Oesophagus	23	5.4	6.9
6	C91-C95 Leukaemia	15	3.5	4.5
7	C18-C20 Colon and rectum	14	3.3	4.2
8	C81-C85 and C96 Lymphoma	14	3.3	4.2
9	C32 Larynx	12	2.8	3.6
10	C56 Ovary	12	2.8	3.6
Total (all sites)		335	78.8	100

Uva Province

Badulla

Rank	ICD code and site	Cases	CR	%
1	C73 Thyroid	90	10.5	13.0
2	C50 Breast	82	9.6	11.7
3	C15 Oesophagus	55	6.4	7.9
4	C33-C34 Trachea,bronchus and lung	52	6.1	7.5
5	C18-C20 Colon and rectum	46	5.4	6.6
6	C00-C06 Lip,tongue and mouth	42	4.9	6.1
7	C53 Cervix	39	4.6	5.6
8	C91-C95 Leukaemia	32	3.7	4.6
9	C81-C85 and C96 Lymphoma	22	2.6	3.2
10	C70-C72 Brain and nervous system	21	2.5	3.0
Total (all sites)		691	80.9	100

Monaragala

Rank	ICD code and site	Cases	CR	%
1	C73 Thyroid	68	14.2	18.5
2	C50 Breast	40	8.4	10.9
3	C00-C06 Lip,tongue and mouth	28	5.9	7.6
4	C33- 34 Trachea,bronchus and lung	27	5.6	7.4
5	C15 Oesophagus	19	4.0	5.2
6	C53 Cervix	19	4.0	5.2
7	C81-C85 and C96 Lymphoma	18	3.8	4.9
8	C18-C20 Colon and rectum	16	3.3	4.4
9	C56 Ovary	14	2.9	3.8
10	C54-C55 Uterus	13	2.7	3.5
Total (all sites)		367	76.7	100.0

Sabaragamuwa Province

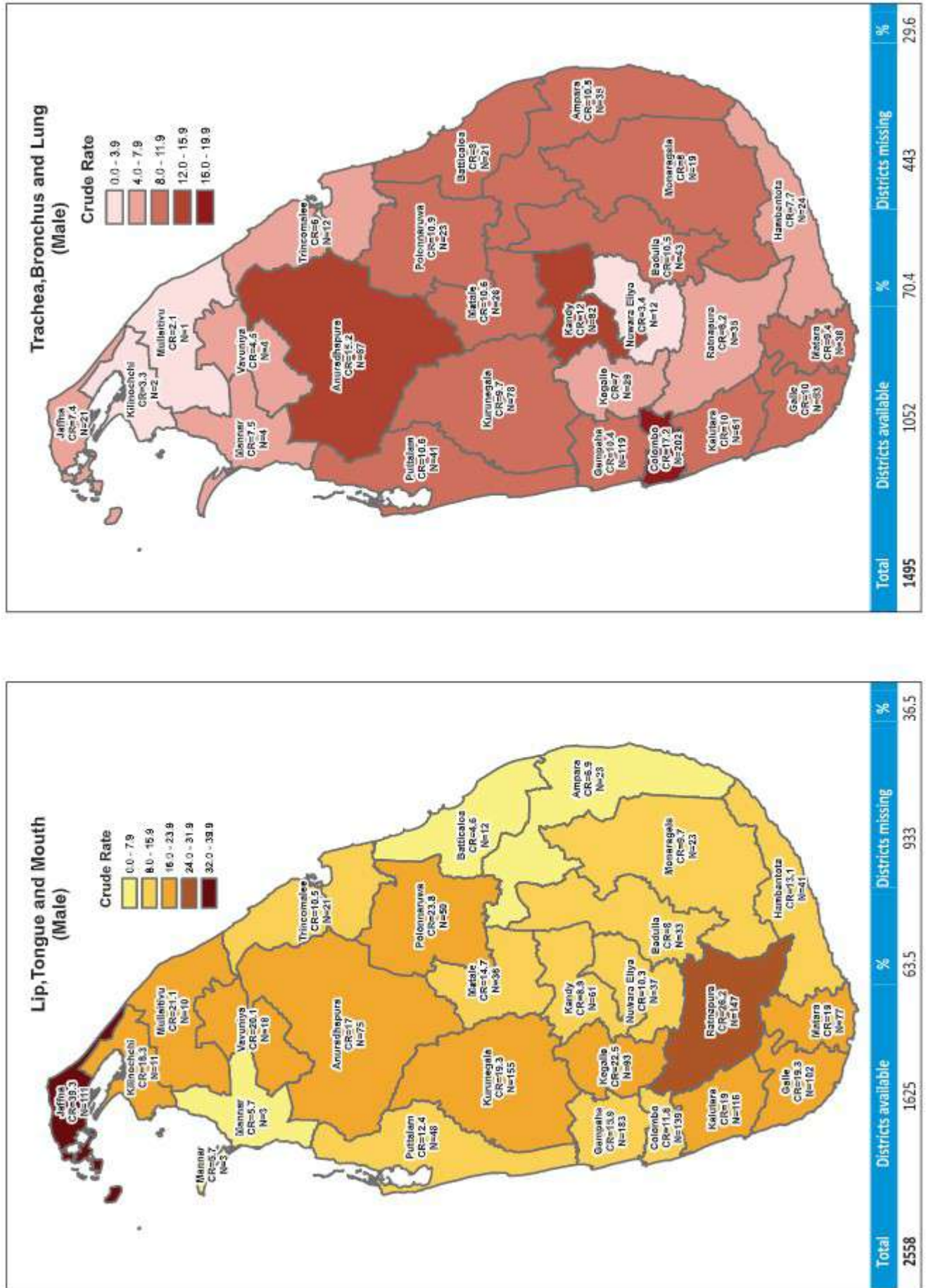
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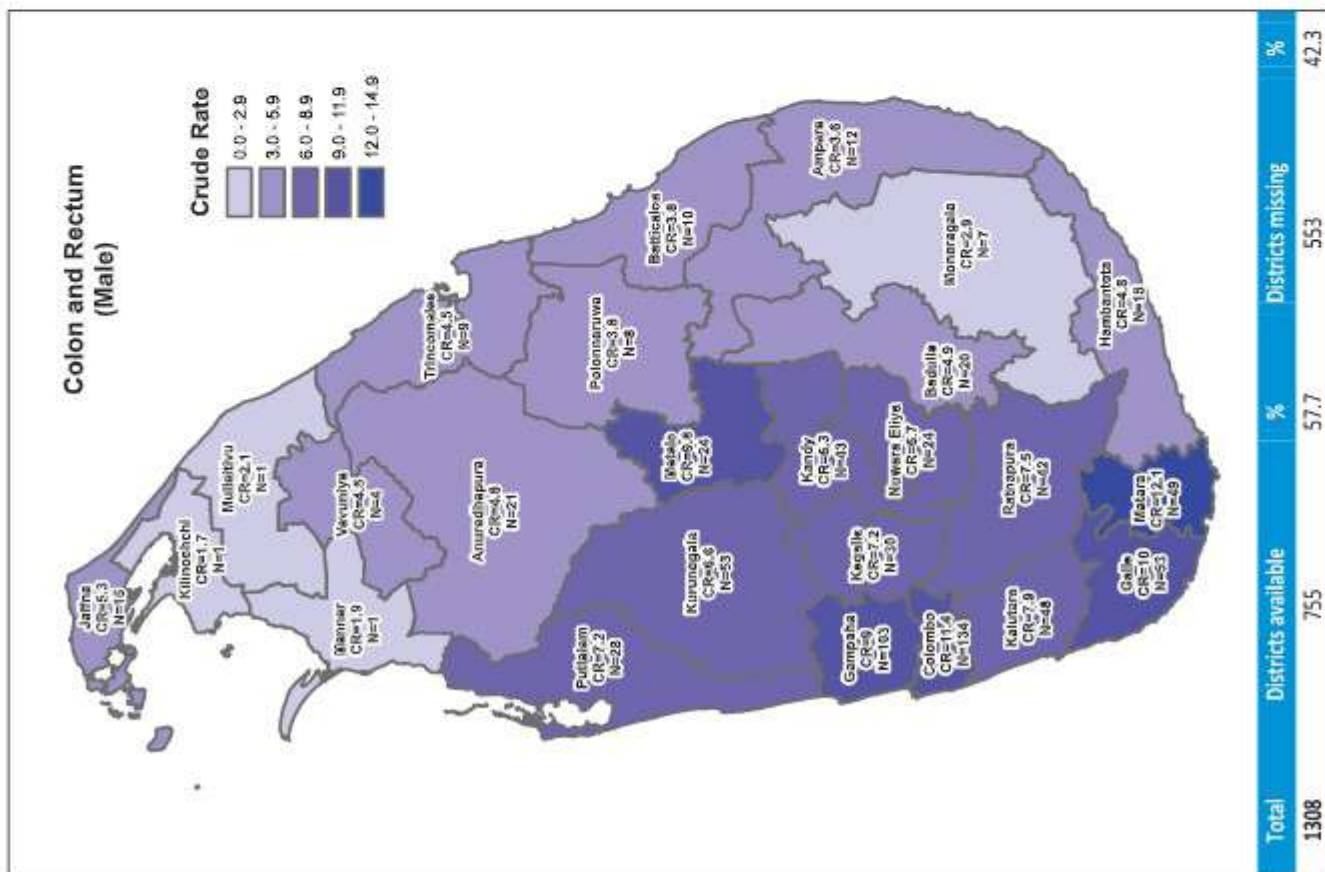
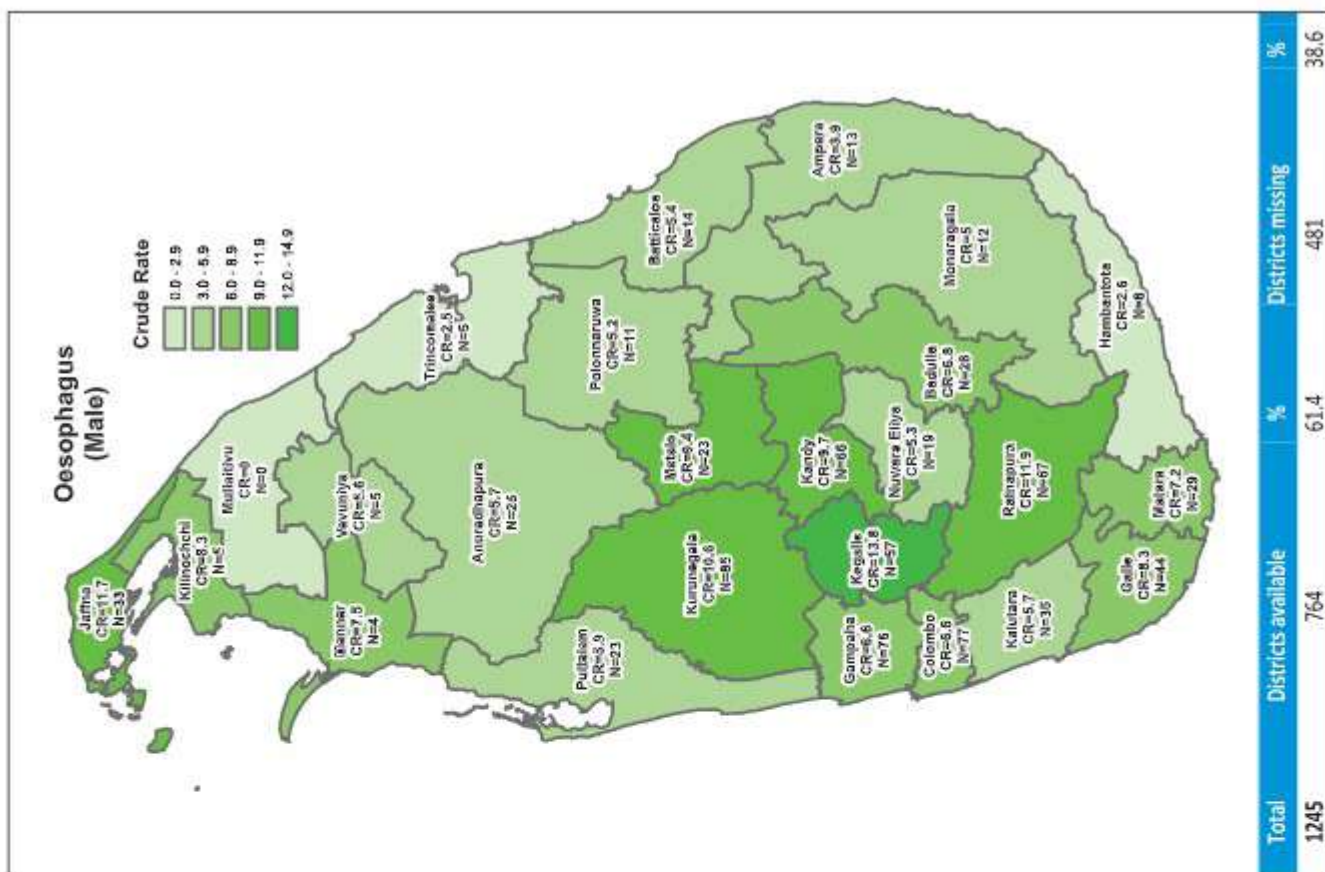
Rank	ICD code and site	Cases	CR	%
1	C00-C06 Lip,tongue and mouth	115	13.2	12.8
2	C50 Breast	110	12.7	12.3
3	C15 Oesophagus	95	10.9	10.6
4	C18-20 Colon and rectum	59	6.8	6.6
5	C73 Thyroid	45	5.2	5.0
6	C91-C95 Leukaemia	45	5.2	5.0
7	C33- C34 Trachea,bronchus and lung	41	4.7	4.6
8	C09-C14 Pharynx	40	4.6	4.5
9	C53 Cervix	32	3.7	3.6
10	C32 Larynx	31	3.6	3.5
Total (all sites)		895	103.0	100.0

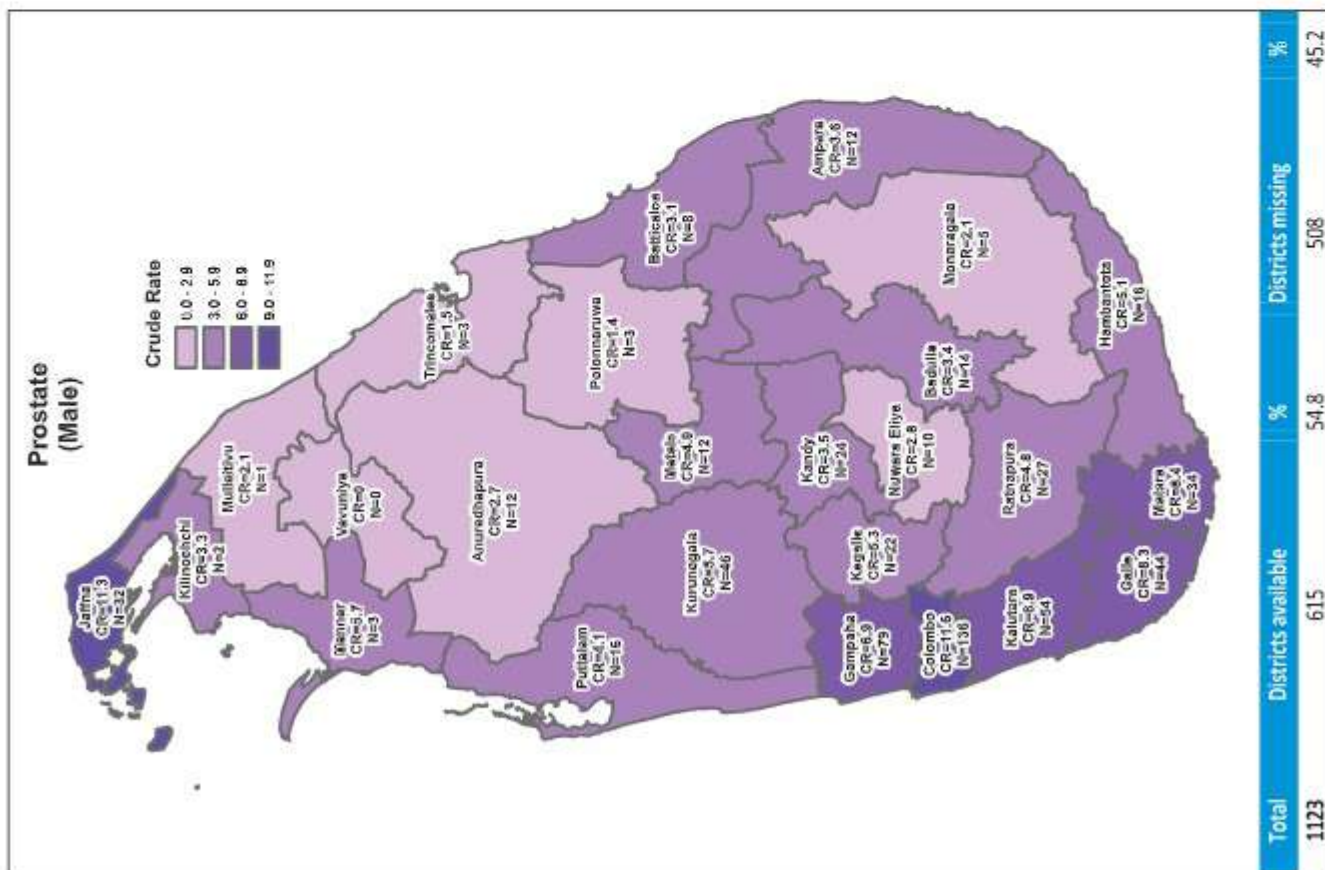
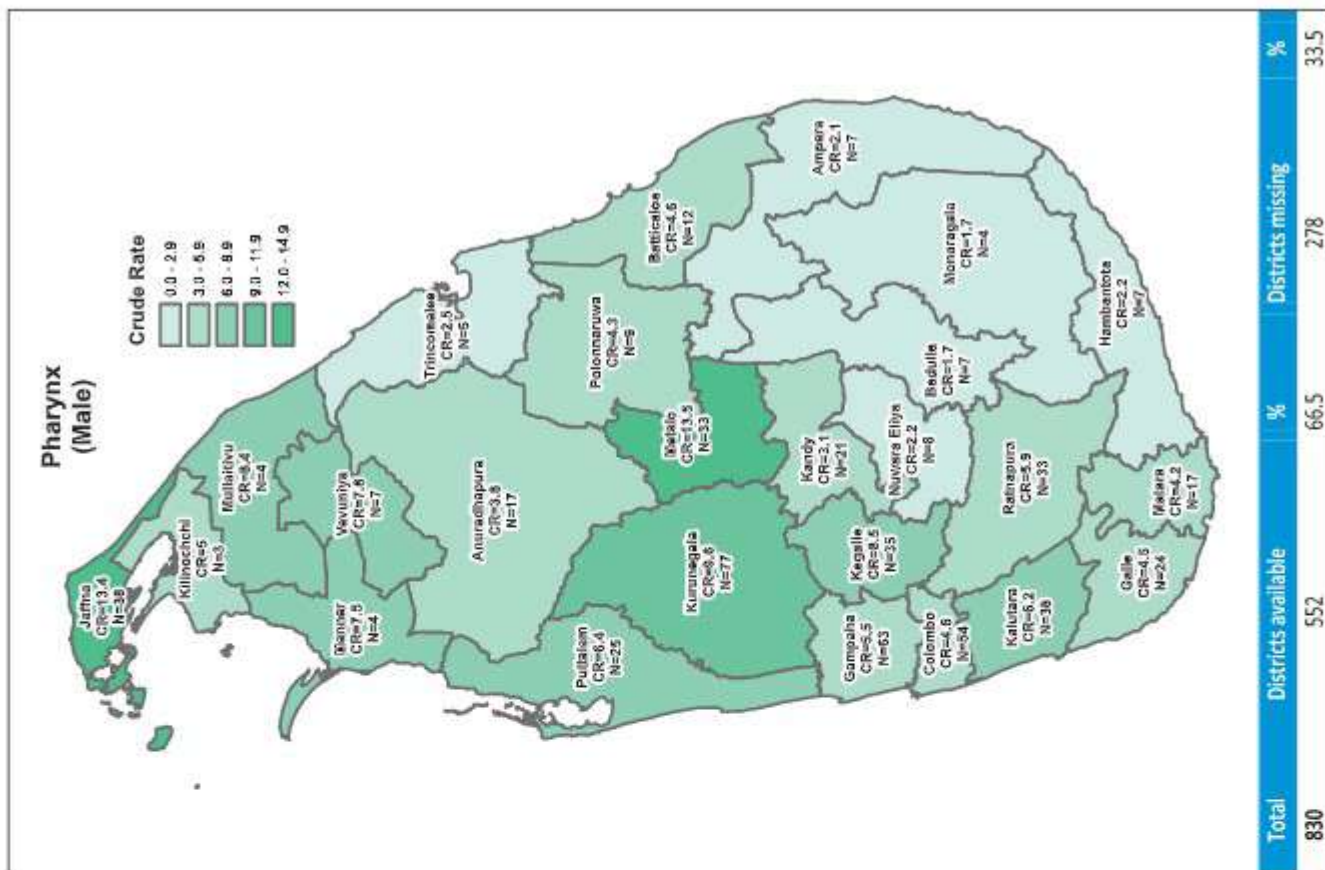
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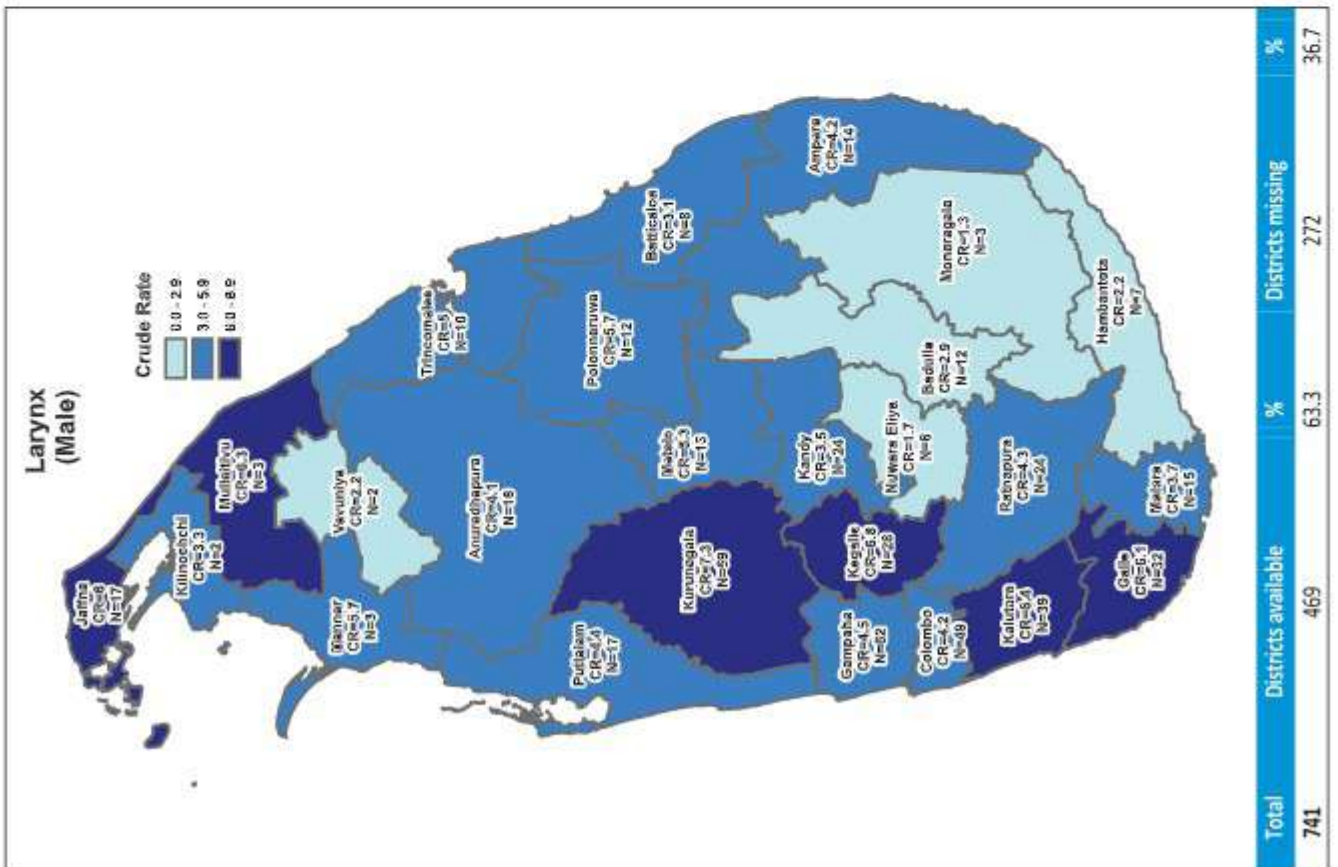
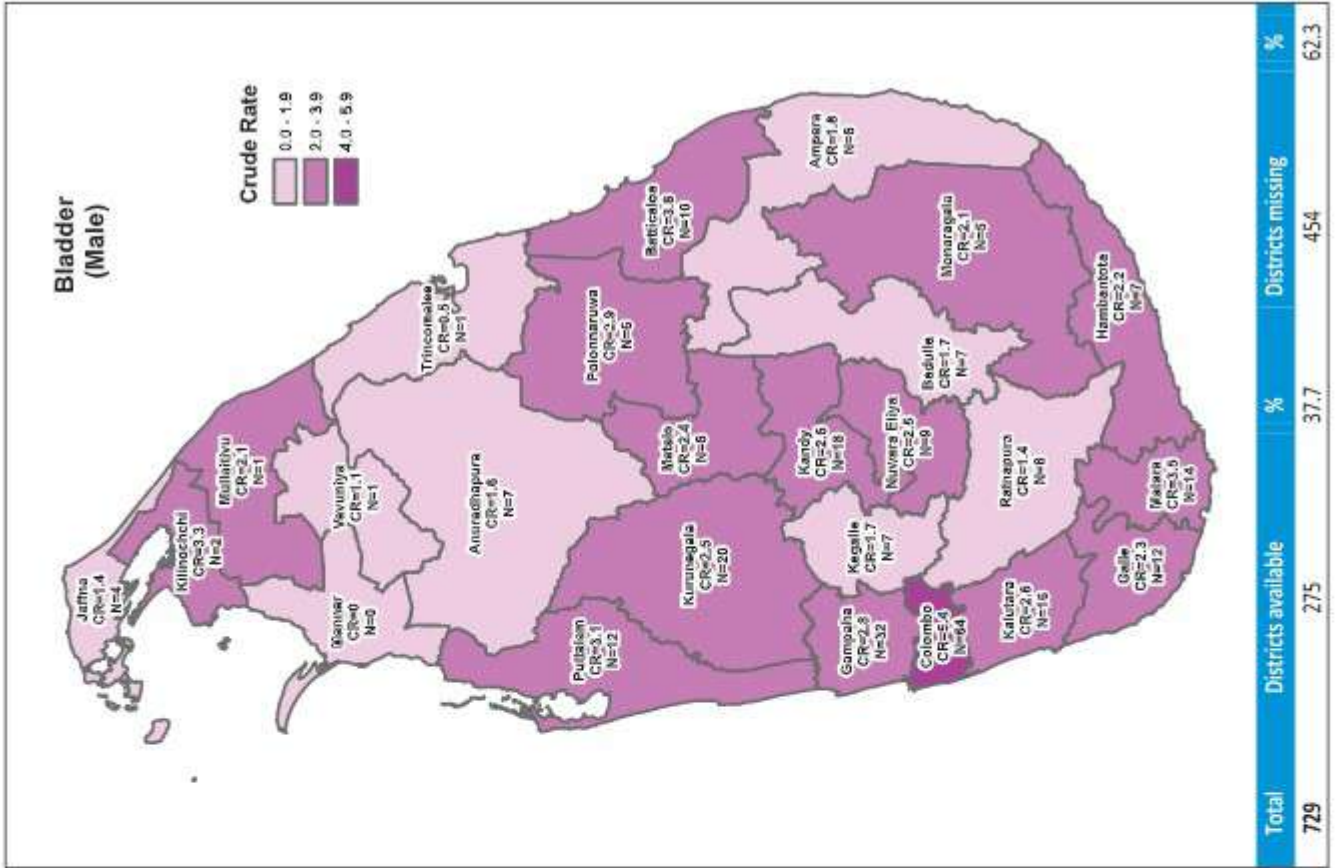
Rank	ICD code and site	Cases	CR	%
1	C73 Thyroid	214	18.8	14.7
2	C00-C06 Lip,tongue and mouth	193	16.9	13.3
3	C50 Breast	168	14.7	11.6
4	C15 Oesophagus	106	9.3	7.3
5	C18-20 Colon and rectum	76	6.7	5.2
6	C53 Cervix	73	6.4	5.0
7	C33- C34 Trachea,bronchus and lung	65	5.7	4.5
8	C91-C95 Leukaemia	63	5.5	4.3
9	C81-C85 and C96 Lymphoma	51	4.5	3.5
10	C56 Ovary	42	3.7	2.9
Total (all sites)		1452	127.4	100.0

Figure 59: Cancer incidence data by districts among males in Sri Lanka, 2016









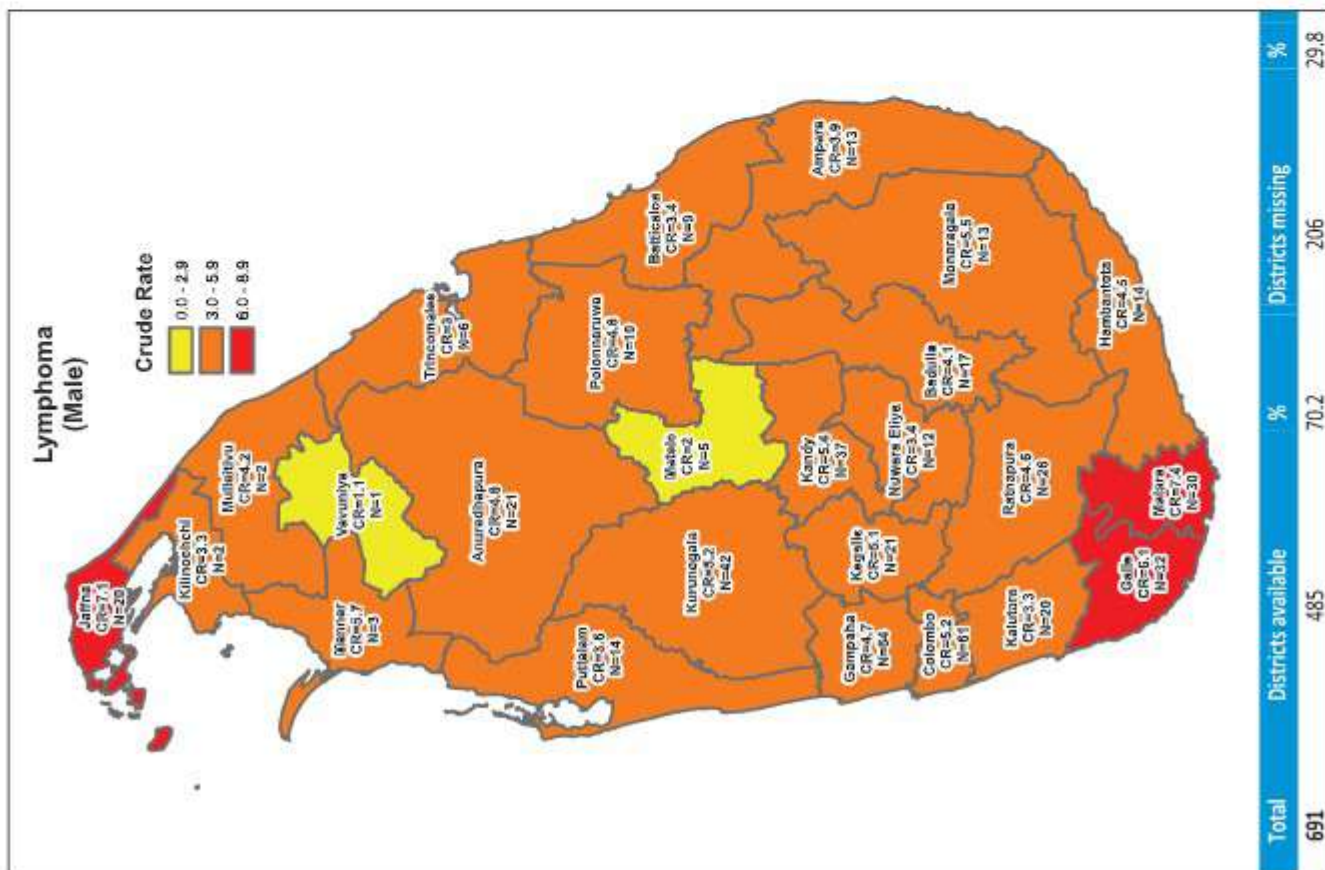
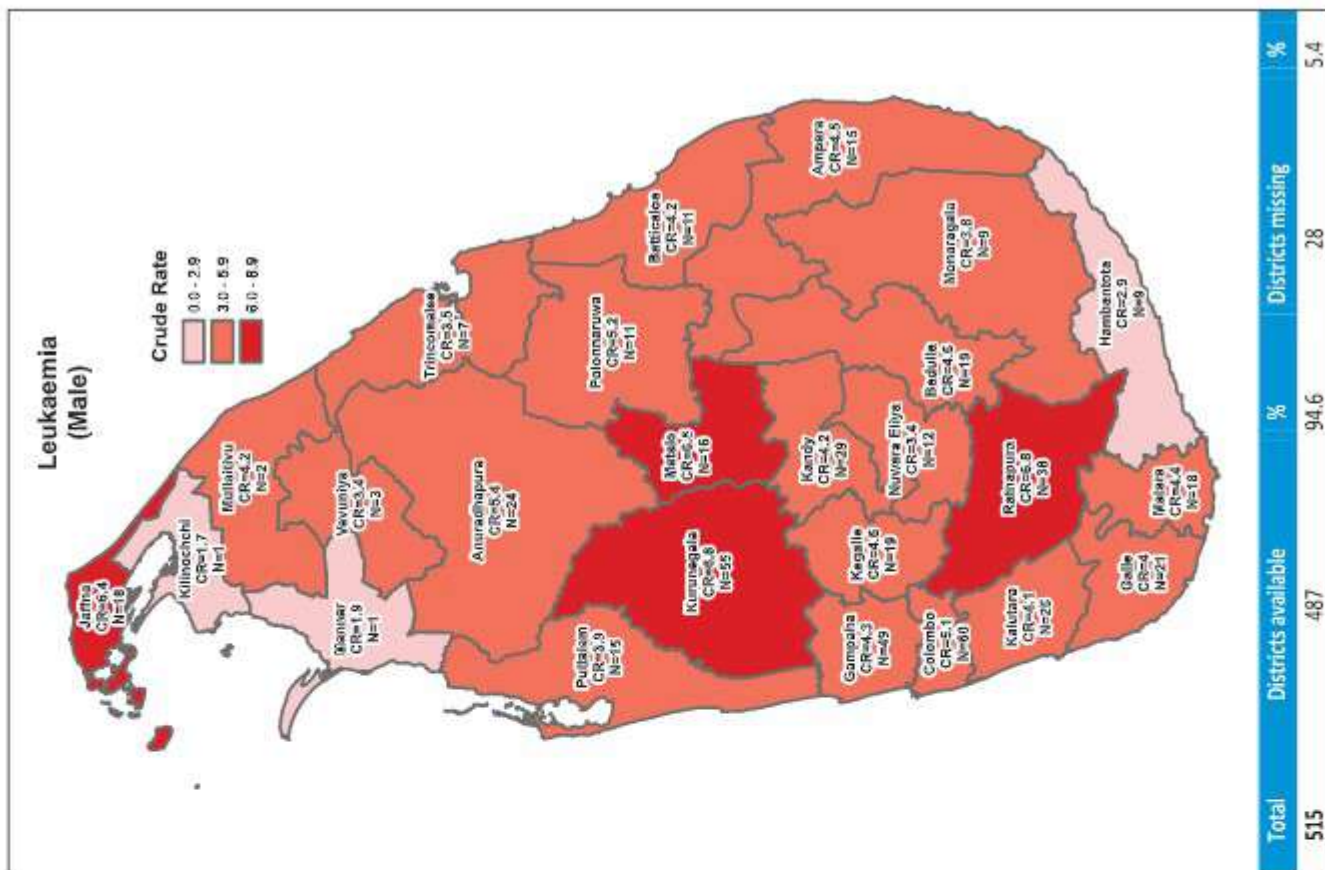
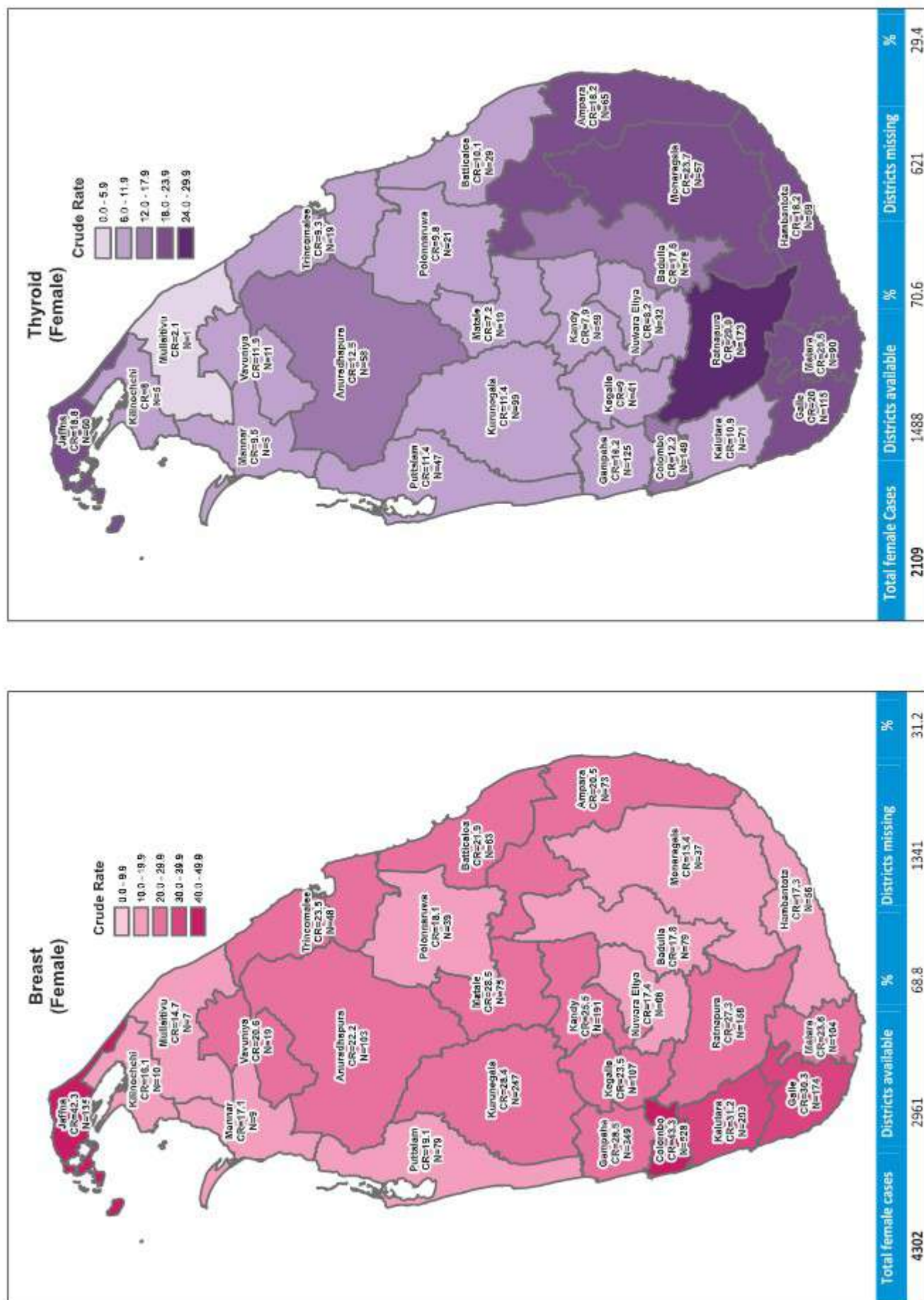
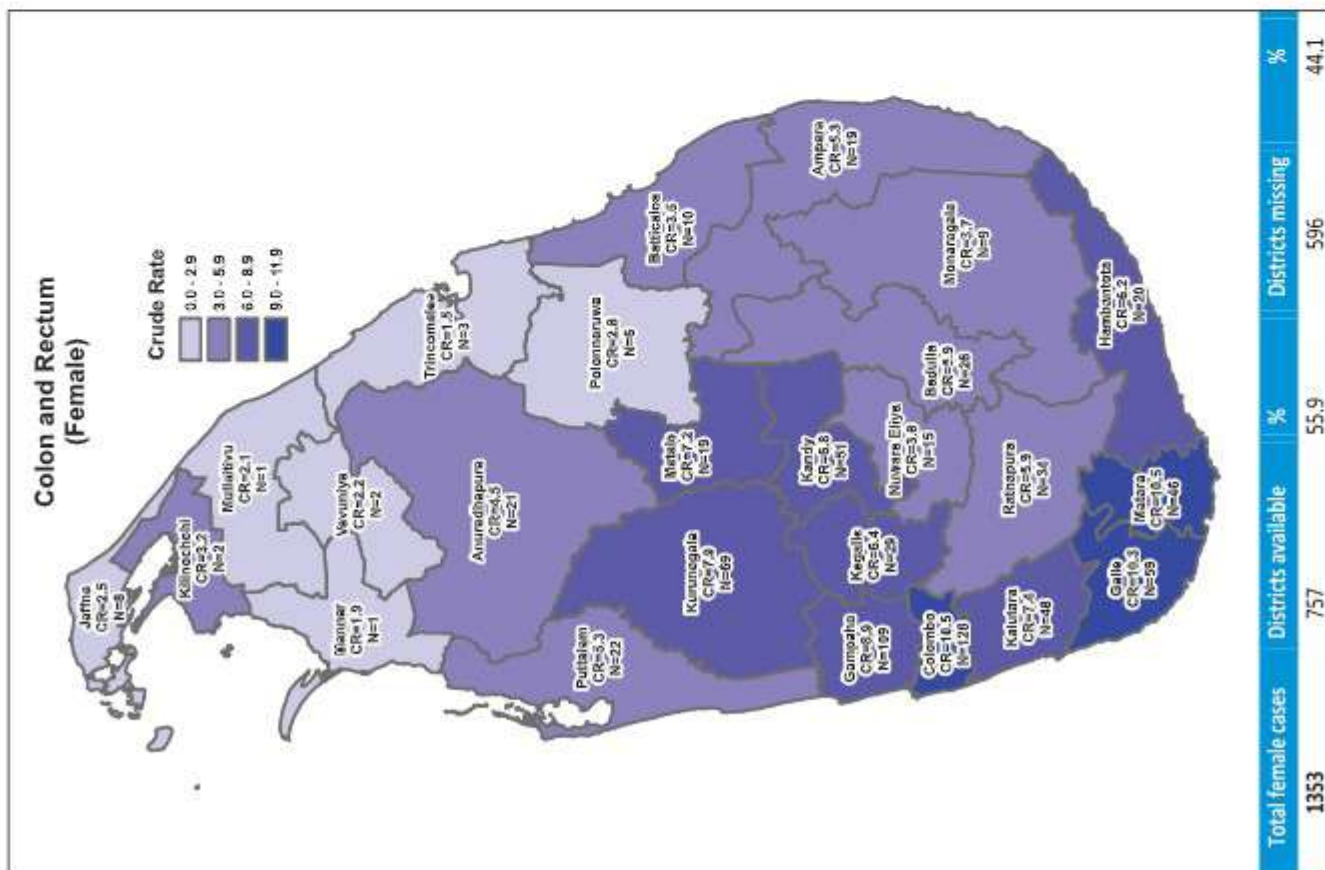
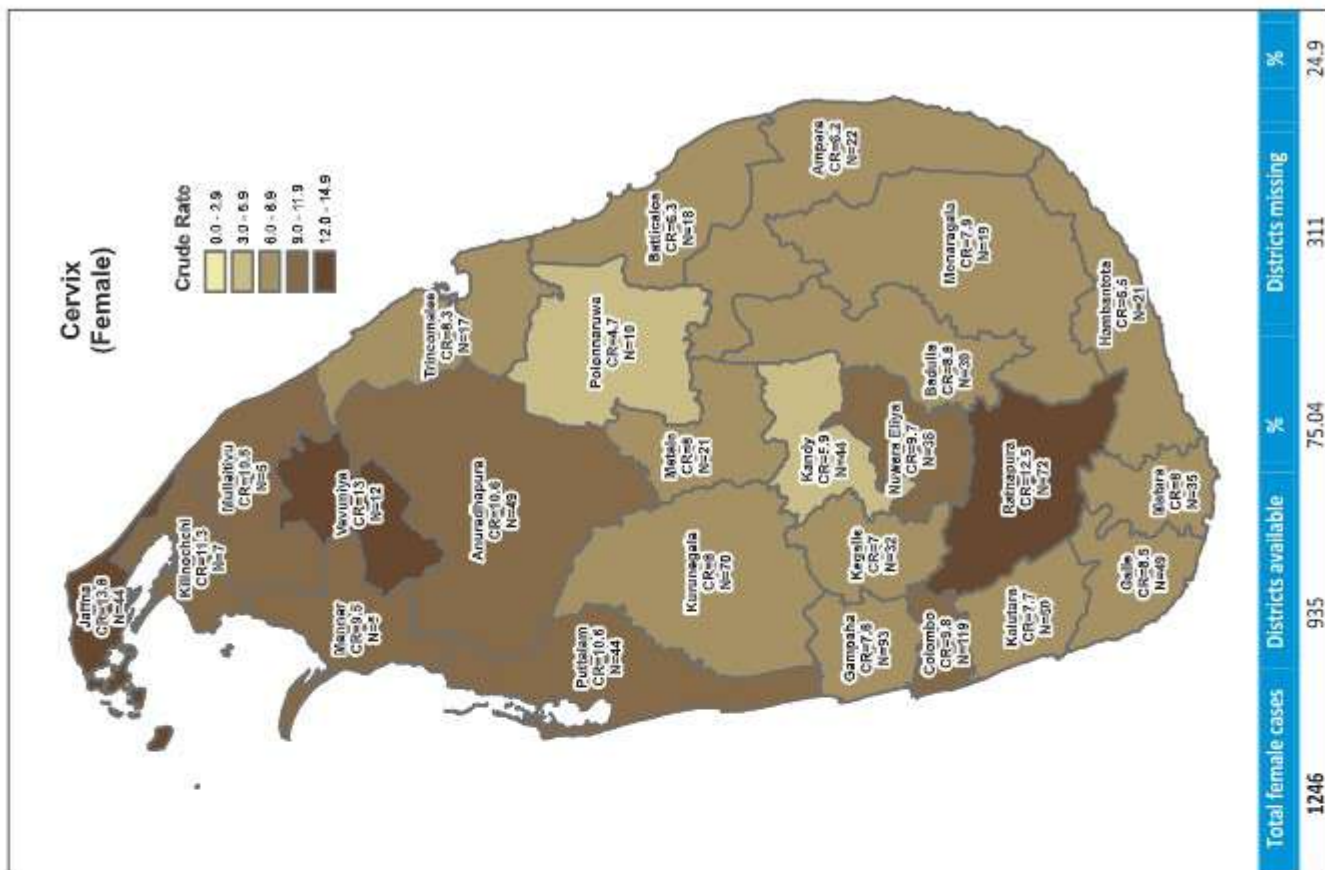
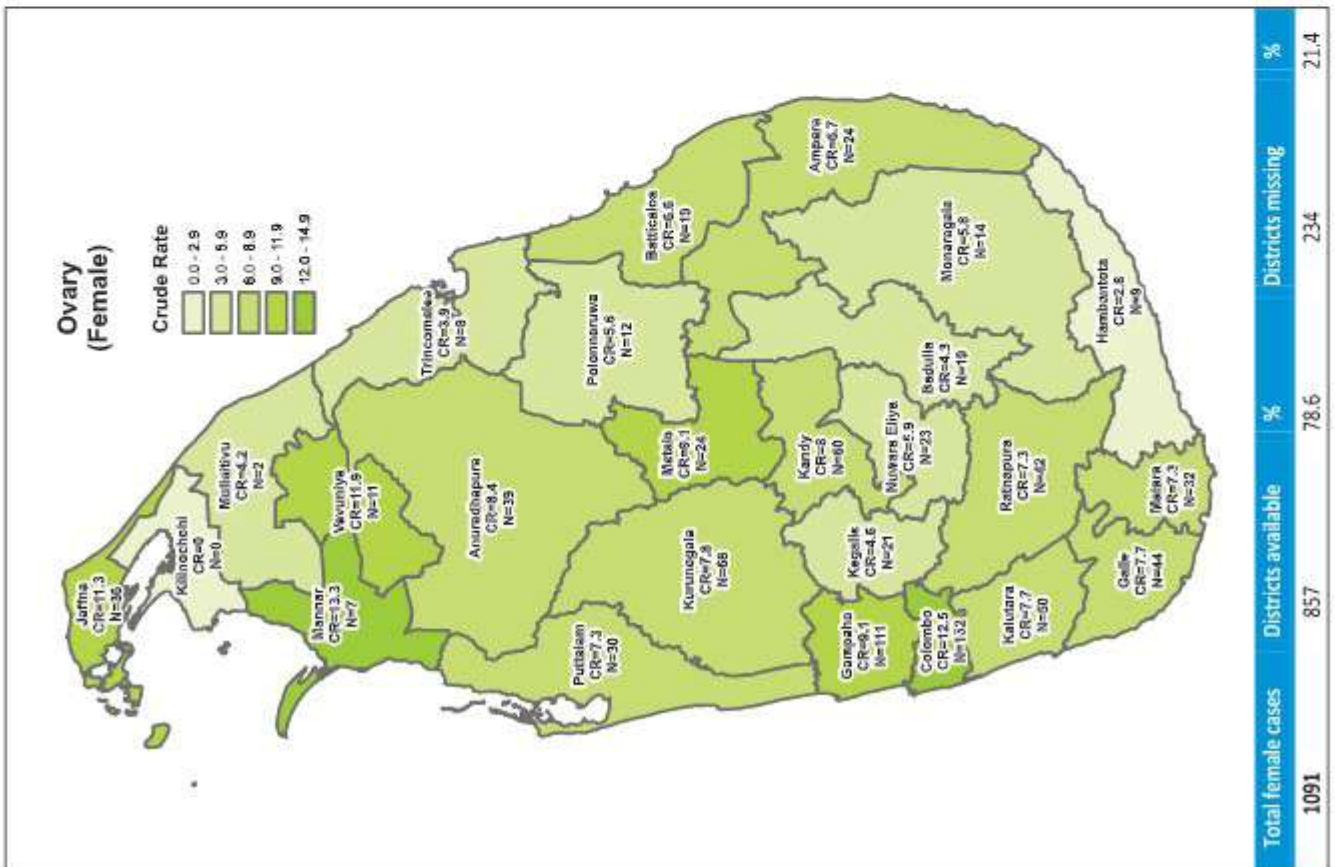
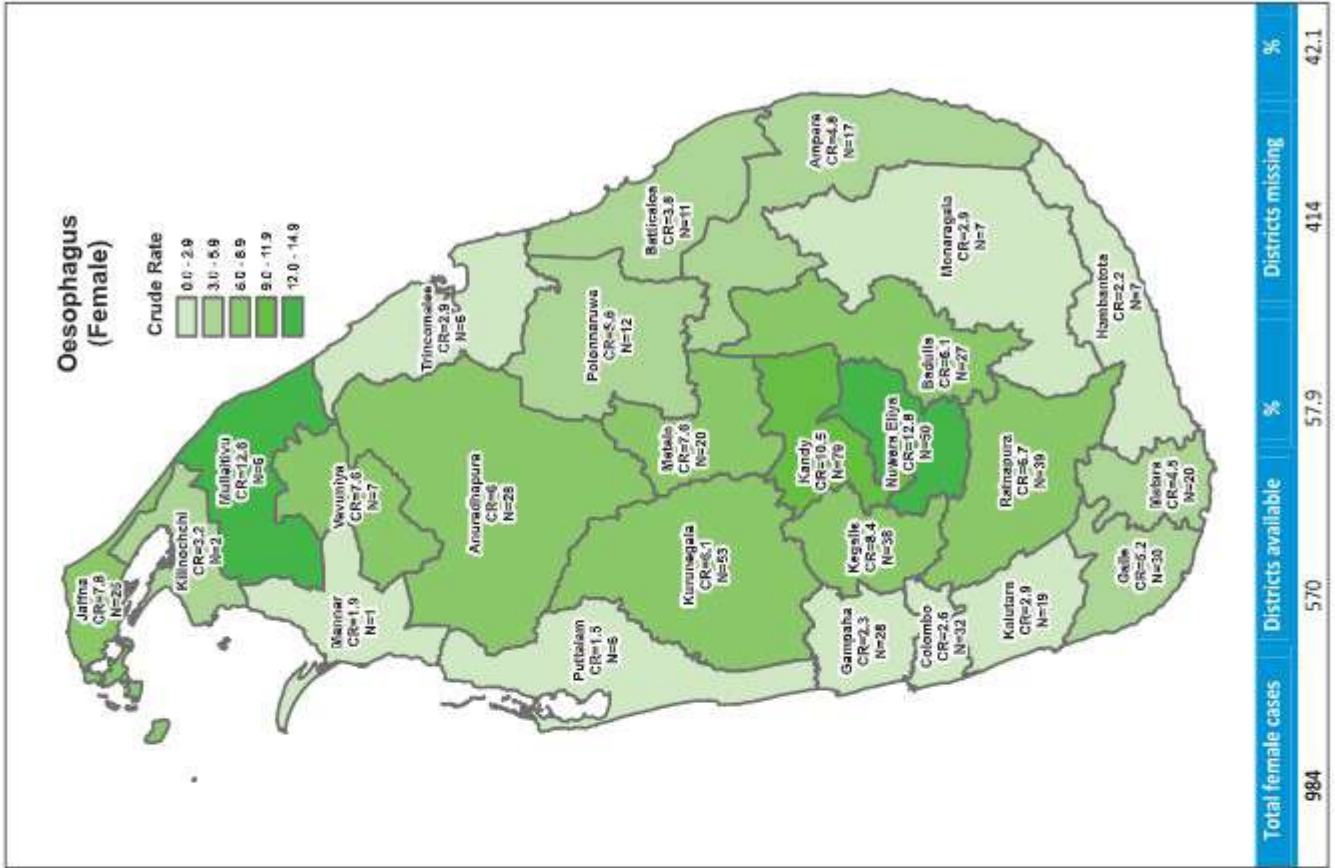
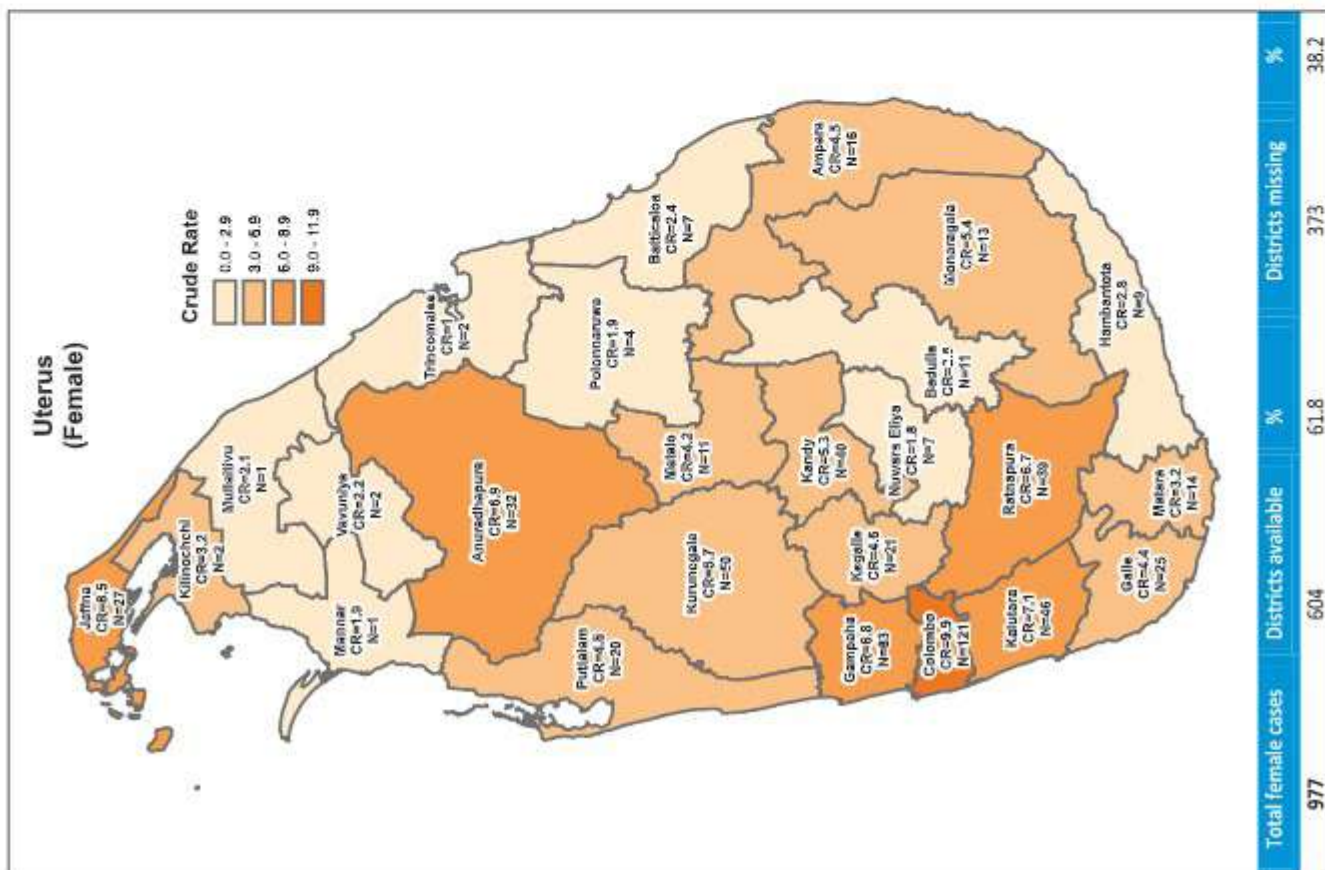
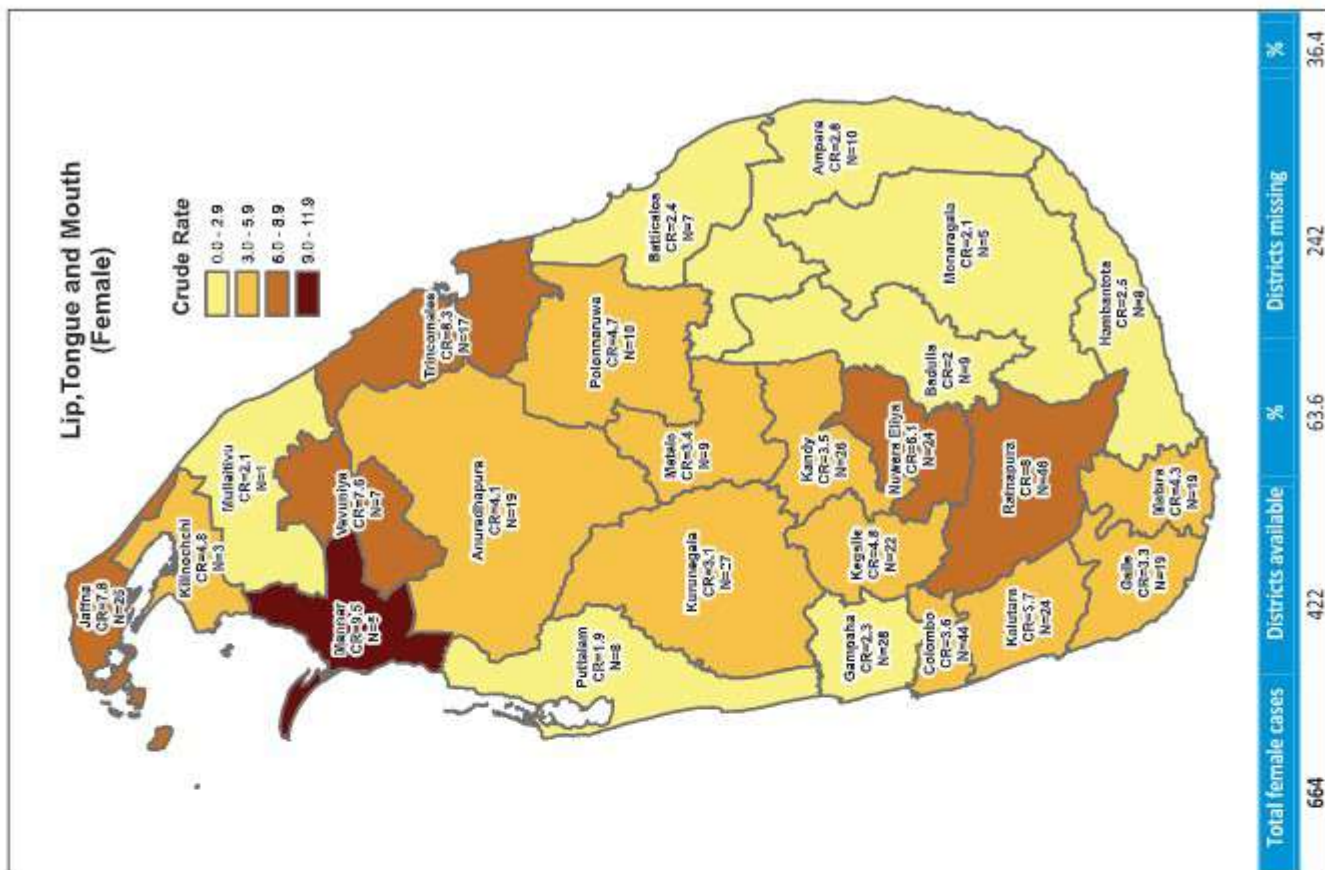


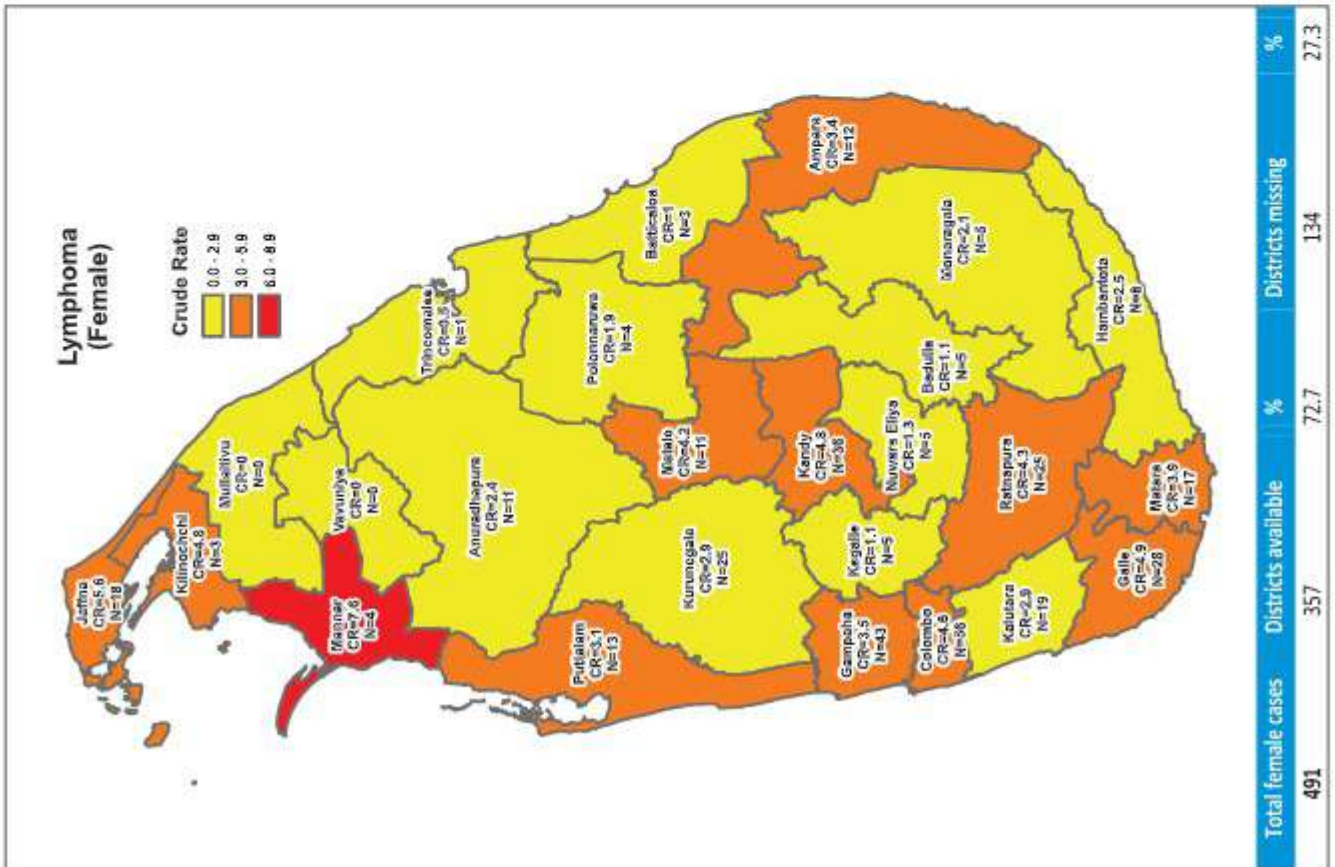
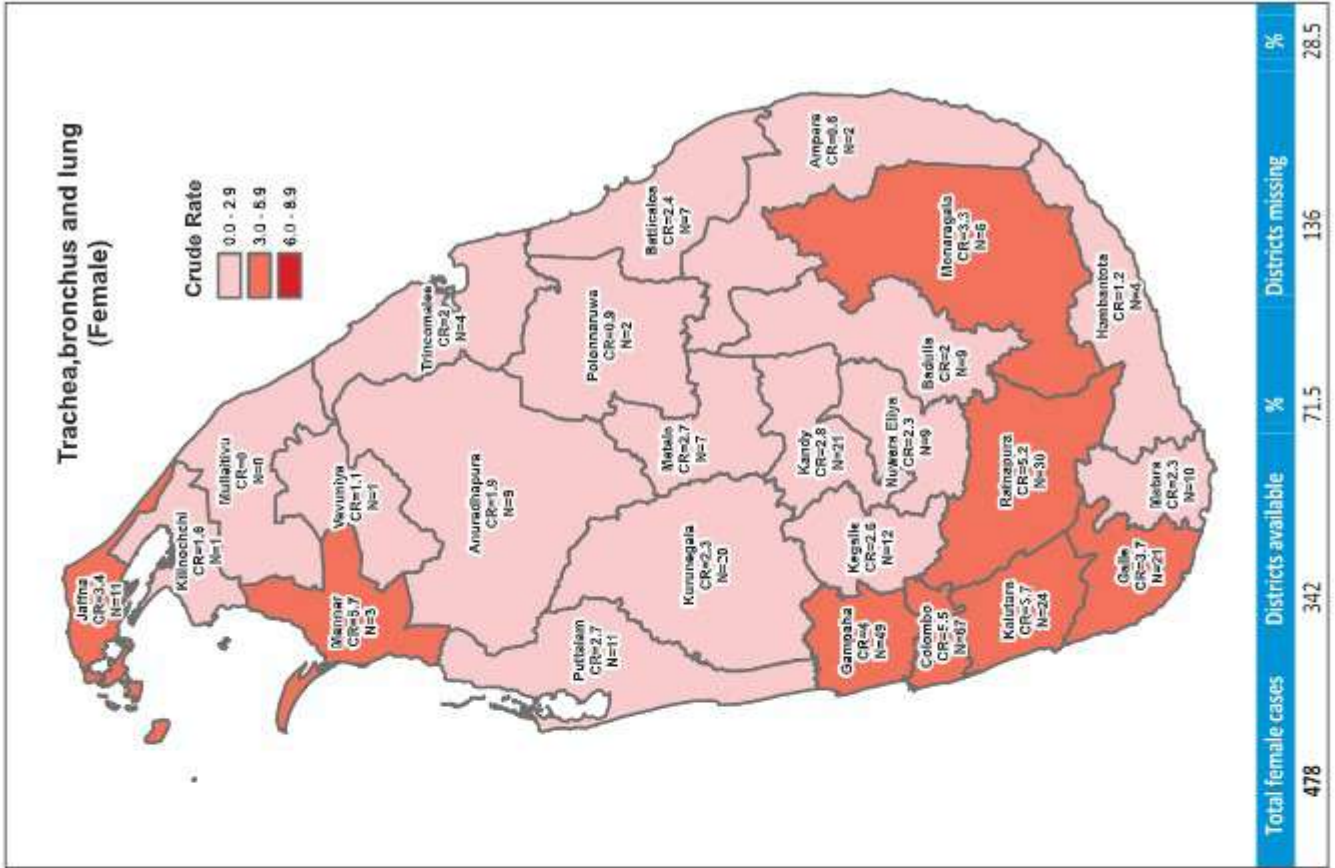
Figure 60: Cancer incidence data by districts among females in Sri Lanka, 2016











Cancer Mortality Data of 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 2016 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, 2012-2016

Year	No. of hospital deaths due to cancers		
	Male	Female	Total
2005	-	-	2,753
2006	-	-	3,241
2007	-	-	3,498
2008	-	-	3,485
2009	-	-	3,774
2010	-	-	4,449
2011	-	-	4,631
2012	2538	1931	4,519
2013	2559	1980	4,539
2014	2867	2128	4,995
2015	2657	2141	4,798
2016	2878	2270	5,148

Sources: Annual Health Bulletin 2005 to 2016

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, 2005-2016

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	2,753	14.0	8.3
2006	3,241	16.3	9.9
2007	3,498	17.5	10.1
2008	3,485	17.2	9.8
2009	3,774	18.5	10.0
2010	4,449	21.5	11.1
2011	4,631	22.2	11.8
2012	4,519	22.2	11.6
2013	4,539	22.2	11.2

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
2014	4,995	24.0	11.7
2015	4,798	22.9	11.0
2016	5,148	24.3	12.0

Sources: Annual Health Bulletin 2005 to 2016

Table 38: Hospitalizations, hospital deaths and case fatality rate due to cancers in year 2016 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	65250	63 119	2 131	3.27
Gampaha	4550	4 298	252	5.54
Kalutara	2021	1 946	75	3.71
Kandy	12481	11 867	614	4.92
Matale	879	827	52	5.92
Nuwara Eliya	826	792	34	4.12
Galle	13335	12 955	380	2.85
Matara	833	771	62	7.44
Hambanthota	438	396	42	9.59
Jaffna	5288	5 129	159	3.01
Kilinochchi	280	271	9	3.21
Mullaitivu	74	67	7	9.46
Vavuniya	394	377	17	4.31
Mannar	253	250	3	1.19
Batticaloa	1126	1 113	13	1.15
Ampara	251	218	33	13.15
Kalmunai	208	201	7	3.37
Trincomalee	741	706	35	4.72
Kurunegala	3757	3 408	349	9.29
Puttalam	751	721	30	3.99
Anuradhapura	6187	5 933	254	4.11
Polonnaruwa	697	622	75	10.76
Badulla	6384	6 161	223	3.49

Table 38 continued...

*RDHS Area	Hospital Admissions due to cancers			**Case fatality rate
	Total hospital admissions	Live hospital discharges	No. hospital deaths	
Moneragala	841	791	50	5.95
Ratnapura	6900	6 725	175	2.54
Kegalle	1039	972	67	6.45
Sri Lanka	135794	130 646	5 148	3.79

*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 1 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	40	110	14	2020
2013	9	45	15	25	40	134	15	2021
2014	9	51	15	24	40	139	16	2021
2015	9	51	22	24	40	146	17	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.

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

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

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

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

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

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
0-4	12000
5-9	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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