

STATISTICAL REVIEW

Patients Registered in 2013

**MEDICAL STATISTICS UNIT
NATIONAL CANCER INSTITUTE
MAHARAGAMA**

Volume 9

Foreword

The National Cancer Institute of Sri Lanka is the premier cancer treatment centre out of the nine centers attached to the Teaching and Provincial General Hospitals of Sri Lanka. The NCI provides its services to over 60,000 inward patients which include more than 14,000 new registrations annually coming from various areas of the country. Out of these new registrations, patients identified as malignant are being managed with specialized treatments.

The “**Statistical Review – Patients Registered in 2013**” is the 9th publication in the series started in 2006 contains data of cancer patients registered at National Cancer Institute Sri Lanka in 2013. The aim of this publication is to become a standard institutional cancer registry by providing accurate statistical data which is essential for clinicians, health administrators, researchers, policy makers and strategists in cancer related field.

I wish to express my gratitude to the Director, Deputy Director, and all Consultants for the valuable suggestions, encouragement, guidance and appreciation given for the improvement of this publication.

I am also grateful to the staff of the Medical Records & Statistics Unit for their support and assistance to make this venture a success.

We welcome your comments & valuable suggestions for further improvement of this annual publication.

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Introduction to Apeksha Hospital (National Cancer Institute) Sri Lanka.

The Apeksha hospital (National Cancer Institute) is a teaching hospital, managed under supervision of the Ministry of Health Sri Lanka. It is the premium hospital dedicated to diagnose, treat and follow-up of cancer patients in Sri Lanka, located at Maharagama, 16 km away from Colombo, the capital of Sri Lanka.

It was first established as a radiotherapy unit with inward facilities in 1958 and now it has developed into a tertiary care hospital with modern screening, diagnostic, & treatment facilities. The new “RAZAVI” building which added recently, consist of modern theater complex, bone marrow transplant unit, surgical & medical intensive care units, normal wards, and paying wards with all facilities, is a gold mark of the hospital history. Bone marrow transplant has commenced since December 2016 after establishing a new building with state of art facilities.

NCI, which spreads over 10 acres, provides patient care approximately 200000 outdoor patients and 60000 indoor patients per year with 28 wards and intensive care units consist of 950 beds. Forty eight Consultants, Post graduate trainees, Medical Officers and more than thousand four hundred health workers including nurses, pharmacists, radiographers, MLTs provide their service under the guidance of Director. Consultant Oncologists, Oncosurgeons, Oncogynaecologists, Haematooncologists and Physicians conduct outdoor clinics daily to follow up patients with malignancies by the help of all range of Hematological, Histopathological, Microbiological, and Radiological investigations under the supervision of respective consultants.

All kinds of radiological treatment methods including Mega voltage photon & electron therapy, Brachytherapy, and Iodine therapy are given free of charge. Physiotherapy, Speech therapy, Psychological Counselling, Pain anagement, Outdoor blood transfusion and Chemotherapy services are among the other services available in this hospital.

Establishment of bone marrow transplant unit and the PET-CT screening unit are the major achievements gained recently as becoming the only government institute which provide these facilities free of charge to cancer patients.

Classification of Diseases of Patients registered at National Cancer Institute in 2013

(These information are based on patients registered at NCI Maharagama)

	Female	Male	Total No
Total no of patients registered	7918	4769	12687
Total No of Pts with singles primary malignancies	4885	3855	8740
Total No of Pts for Screening & Non Malignant Conditions	1270	273	1543
Total No of CIN 1,11, & Uncertain Conditions	166	22	188
Total No of Thyrotoxicosis Pts	190	77	267
Unable to trace diagnosis (File Not available, Not clear)	1407	542	1949
Total No of Pts with singles primary malignancies	4885	3855	8740
No of Multiple primary malignancies	5	1	6
Total No of Malignancies (including CIN-111 & In Situ)	4890	3856	8746

Leading Cancer sites of Females

1	C-50 BREAST	1398
2	C-53 CERVIX UTERI	513
3	C-73 THYROID GLAND	465
4	C-56 OVARY	404
5	C-42 HAEMATOPOIETIC & R.E.SYSTEM	357
6	C-54 CORPUS UTERI	214
7	C-18 COLON	156
8	C-77 LYMPH NODES	143
9	C-15 ESOPHAGUS	139
10	C-20 RECTUM	112

Leading Cancer sites of Males

1	C-42 HAEMATOPOIETIC & R.E. SYSTEM	463
2	C-34 BRONCHUS & LUNG	330
3	C-61 PROSTATE GLAND	260
4	C-32 LARYNX	214
5	C-15 ESOPHAGUS	212
6	C-02 TONGUE - OTHER & UNSPECIFIED	157
7	C-20 RECTUM	153
8	C-77 LYMPH NODES	152
9	C-06 MOUTH - OTHER & UNSPE: PARTS	133
10	C-80 UNKNOWN PRIMARY SITES	132

Classification by site of Malignancy
Patients Registered in 2013

ICD-O code	Site of the Malignancy	Female	Male	Total
C-00	LIP	4	10	14
00.0	External upper lip	2		
00.1	External lower lip	1	2	
00.4	Mucosa of lower lip		2	
00.5	Mucosa of lip, NOS		1	
00.6	Commissure of lip		2	
00.9	Lip, NOS	1	3	
C-01	BASE OF TONGUE	6	67	73
01.9	Base of tongue NOS	6	67	
C-02	OTHER & UNSPECIFIED PARTS OF TONGUE	34	157	191
02.0	Dorsal surface of tongue, NOS		1	
02.1	Border of tongue	2	19	
02.3	Anterior 2/3 of tongue, NOS	4	6	
02.8	Overlapping lesion of tongue	1		
02.9	Tongue, NOS	27	131	
C-03	GUM	15	35	50
03.0	Upper gum	4	6	
03.1	Lower gum	5	9	
03.9	Gum, NOS	6	20	
C-04	FLOOR OF MOUTH	2	55	57
04.8	Overlapping lesion of floor of mouth		1	
04.9	Floor of mouth, NOS	2	54	
C-05	PALATE	12	72	84
05.0	Hard palate	5	11	
05.1	Soft palate, NOS	4	42	
05.2	Uvula		3	
05.8	Overlapping lesion of palate		4	
05.9	Palate, NOS	3	12	
C-06	OTHER & UNSPECIFIED PARTS OF MOUTH	35	133	168
06.0	Cheek mucosa	25	91	
06.2	Retromolar area	3	19	
06.8	Overlapping lesion of other & unspe; parts of mouth		5	
06.9	Mouth, NOS	7	18	
C-07	PAROTID GLAND	20	20	40
07.9	Parotid NOS	20	20	
C-08	OTHER & UNSPECIFIED MAJOR SALIVARY GLANDS	6	8	14
08.0	Submandibular gland	5	8	
08.1	Sublingual gland	1		

ICD-O code	Site of the Malignancy	Female	Male	Total
C-09	TONSILS	8	73	81
09.0	Tonsillar fossa		2	
09.1	Tonsillar pillar		1	
09.8	Overlapping lesion of tonsil		1	
09.9	Tonsil, NOS	8	69	
C-10	OROPHARYNX	5	57	62
10.0	Vallecula	3	23	
10.1	Anterior surface of epiglottis	1		
10.3	Posterior wall of oropharynx		2	
10.8	Overlapping lesion of oropharynx		1	
10.9	Oropharynx, NOS	1	31	
C-11	NASOPHARYNX	6	26	32
11.3	Anterior wall of nasopharynx		1	
11.9	Nasopharynx, NOS	6	25	
C-12	PYRIFORM SINUS	4	51	55
12.9	Pyriform sinus	4	51	
C-13	HYPOPHARYNX	9	18	27
13.0	Postcricoid region	9	7	
13.1	Aryepiglottic fold		5	
13.8	Overlapping lesion of hypopharynx		1	
13.9	Laryngopharynx, Hypopharynx		5	
C-14	OTHER & ILL DEFINED SITES IN LIP, O. CAVITY & PHARYNX	3	24	27
14.0	Pharynx, NOS	2	21	
14.8	Overlapping lesion of lip, oral cavity & pharynx	1	3	
C-15	ESOPHAGUS	139	212	351
15.2	Abdominal esophagus	1	1	
15.3	Upper third of esophagus	2	7	
15.4	Middle third of esophagus	51	59	
15.5	Lower third of esophagus	32	66	
15.8	Overlapping lesion of esophagus	3	6	
15.9	Esophagus, NOS	50	73	
C-16	STOMACH	43	119	162
16.0	Cardia, NOS,GOJ	18	56	
16.1	Fundus of stomach	1		
16.3	Gastric antrum		4	
16.4	Pylorus	1	2	
16.5	Lesser curvature of stomach	1	1	
16.6	Greater curvature of stomach		1	
16.9	Stomach, NOS	22	55	

ICD-O	Site of the Malignancy	Female	Male	Total
C-17	SMALL INTESTINE	8	15	23
17.0	Duodenum	3	7	
17.1	Jejunum		2	
17.2	Ileum		3	
17.8	Overlapping lesion of small intestine	1		
17.9	Small intestine	4	3	
C-18	COLON	156	114	270
18.0	Cecum	15	9	
18.1	Appendix	8	1	
18.2	Ascending colon	5	12	
18.3	Hepatic flexure of colon		4	
18.4	Transverse colon	10	4	
18.5	Splenic flexure of colon	2	1	
18.6	Descending colon	5	4	
18.7	Sigmoid colon	67	49	
18.8	Overlapping lesion of small intestine	2	3	
18.9	Colon, NOS	42	27	
C-19	RECTOSIGMOID JUNCTION	20	27	47
19.9	Rectosigmoid junction	20	27	
C-20	RECTUM	112	153	265
20.9	Rectum, NOS	112	153	
C-21	ANUS & ANAL CANAL	4	12	16
21.0	Anus, NOS	1	11	
21.1	Anal canal	2	1	
21.8	Overlapping lesion rectum, anal canal	1		
C-22	LIVER & INTRAHEPATIC BILE DUCT	23	63	86
22.0	Liver	22	60	
22.1	Intrahepatic bile duct	1	3	
C-23	GALL BLADDER	14	6	20
23.9	Gallbladder	14	6	
24	OTHER & UNSPECIFIED PARTS OF BILIARY TRACT	12	13	25
24.0	Extrahepatic bile duct	5	6	
24.1	Ampulla of Vater	7	6	
24.8	Overlapping lesion of biliary tract		1	
C-25	PANCREAS	22	31	53
25.0	Head of pancreas	9	10	
25.2	Tail of pancreas		1	
25.9	Pancreas, NOS	13	20	
C-26	OTHER & ILL DEFINED DIGESTIVE ORGANS	3	2	5
26.0	Intestinal tract, NOS	2		
26.9	Gastrointestinal tract, NOS	1	2	

ICD-O code	Site of the Malignancy	Female	Male	Total
C-30	NASAL CAVITY AND MIDDLE EAR	7	15	22
30.0	Nasal cavity	7	15	
C-31	ACCESSORY SINUSES	5	16	21
31.0	Maxillary sinus	3	13	
31.2	Frontal sinus		1	
31.3	Sphenoid sinus	1		
31.9	Accessory sinus, NOS	1	2	
C-32	LARYNX	15	214	229
32.0	Glottis, Vocal cord	5	99	
32.1	Supraglottis, epiglottis	7	80	
32.2	Subglottis	1	3	
32.3	Laryngeal cartilage		8	
32.8	Overlapping lesion of larynx	1		
32.9	Larynx, NOS	1	24	
C-33	TRACHEA	1	1	2
33.9	Trachea	1	1	
C-34	BRONCHUS & LUNG	100	330	430
34.0	Main bronchus		4	
34.1	Upper lobe, lung	2	11	
34.2	Middle lobe, lung	1		
34.3	Lower lobe, lung	1	2	
34.9	Lung, NOS,	96	313	
C-37	THYMUS	1	12	13
37.9	Thymus	1	12	
C-38	HEART MEDIASTINUM & PLEURA	6	16	22
38.1	Anterior mediastinum	2	3	
38.3	Mediastinum, NOS	1	13	
38.4	Pleura, NOS	3		
C-39	OTHER & ILLDEFINED SITES OF RES: SYS: & INT: THO: ORG	0	0	0
39.0	Upper respiratory tract, NOS			
C-40	BONES,JOINTS AND ARTI: CARTILAGE OF LIMBS	14	19	33
40.0	Long bones of upper limb, scapula & associated joints	5		
40.2	Long bones of lower limb and associated joints	5	16	
40.3	Short bones of lower limb and associated joints	2	1	
40.9	Bone of limb, NOS	2	2	
C-41	BONES, JOINTS & ARTI: CARTIL; OF OTHER & UNSPE: SITES	11	22	33
41.0	Bones of skull and face	1	1	
41.1	Mandible		2	
41.2	Vertebral column		5	
41.3	Rib, Sternum, Clavicle	3	7	
41.4	Pelvic bones, Sacrum, Coccyx	3	4	
41.9	Bone, NOS	4	3	

ICD-O code	Site of the Malignancy	Female	Male	Total
C-42	HAEMATOPOIETIC & RET: ENDOTHELIAL SYSTEM	357	463	820
42.1	Bone marrow	353	463	
42.2	Spleen	4		
C-44	SKIN	31	57	88
44.0	Skin of lip, NOS	1		
44.2	External ear	1	6	
44.3	Skin, other & unspecified parts of face	7	7	
44.4	Skin of scalp and neck	4	7	
44.5	Skin of trunk	6	4	
44.6	Skin of upper limb and shoulder	1	2	
44.7	Skin of lower limb and hip	7	21	
44.9	Skin, NOS	4	10	
C-47	PERIPHERAL NERVES, & AUTONOMIC NER: SYSTEM	2	6	8
47.0	Per. nerves & A.N.S. of head, face and neck	1	1	
47.1	Per. nerves & A.N.S. of upper limb and shoulder	1	1	
47.3	Per. nerves & A.N.S. of thorax		2	
47.4	Per. nerves & A.N.S. of abdomen		1	
47.5	Per. nerves & A.N.S. of pelvis		1	
48	RETROPERITONEUM & PERITONEUM	32	10	42
48.0	Retroperitoneum	8	7	
48.1	Specified parts of peritoneum	1	1	
48.2	Peritoneum, NOS	23	2	
49	CONNECTIVE,SUBCUTANEOUS AND OTHER SOFT TISSUES	31	37	68
49.0	Conn:Subcu: and other Soft tissues of head, face,	3	4	
49.1	Conn:Subcu: and other Soft tissues of upper limb,	4	4	
49.2	Conn:Subcu: and other Soft tissues of lower limb & hip	12	14	
49.3	Conn:Subcu: and other Soft tissues of thorax	2	6	
49.4	Conn:Subcu: and other Soft tissues of abdomen	1	1	
49.5	Conn:Subcu: and other Soft tissues of pelvis	3	5	
49.6	Conn:Subcu: and other Soft tissues of trunk	1		
49.8	Overlapping lesion of soft tissue	1		
49.9	Conn:Subcu: and other soft tissues, NOS	4	3	
50	BREAST	1398	25	1423
50.0	Nipple	1		
50.2	Upper-inner quadrant of breast	1		
50.4	Upper-outer quadrant of breast	2		
50.6	Axillary tail of breast	1		
50.9	Breast, NOS	1393	25	
51	VULVA	10		10
51.9	Vulva, NOS	10		

ICD-O code	Site of the Malignancy	Female	Male	Total
52	VAGINA	19		19
52.9	Vagina, NOS	19		
53	CERVIX UTERI	513		513
53.0	Endocervix	3		
53.8	Overlapping lesion of cervix uteri	1		
53.9	Cervix uteri	509		
54	CORPUS UTERI	214		214
54.1	Endometrium	203		
54.2	Myometrium	2		
54.9	Corpus uteri	9		
55	UTERUS, NOS	69		69
55.9	Uterus, NOS	69		
56	OVARY	404		404
56.9	Ovary	404		
57	OTHER & UNSPECIFIED FEMALE GENITAL ORGANS	11		11
57.0	Fallopian tube	4		
57.8	Overlapping lesion of female genital organs	2		
57.9	Female genital tract, NOS	5		
58	PLACENTA	17		17
58.9	Placenta	17		
60	PENIS		28	28
60.0	Prepuce		2	
60.1	Glans penis		2	
60.9	Penis, NOS		24	
61	PROSTATE GLAND		260	260
61.9	Prostate gland		260	
62	TESTIS		27	27
62.0	Undescended testis		1	
62.9	Testis, NOS		26	
63	OTHER & UNSPECIFIED MALE GENITAL ORGANS		3	3
63.0	Epididymis		1	
63.2	Scrotum, NOS		2	
64	KIDNEY	35	67	102
64.9	Kidney, NOS	35	67	
65	RENAL PELVIS	4	3	7
65.9	Renal Pelvis	4	3	
66	URETER	2	3	5
66.9	Ureter	2	3	
67	BLADDER	23	93	116
67.9	Urinary bladder, NOS	23	93	

68	OTHER & UNSPECIFIED URINARY ORGANS	1	4	5
68.0	Urethra		2	
68.8	Overlapping lesion of urinary organs	1	1	
68.9	Urinary system, NOS		1	
69	EYE AND ADENEXA	19	11	30
69.0	Conjunctiva		1	
69.2	Retina	13	5	
69.3	Choroid	1	1	
69.5	Lacrimal gland, NOS	1		
69.6	Orbit, NOS	3	2	
69.9	Eye, NOS	1	2	
70	MENINGES	4	2	6
70.0	Cerebral meninges	1	1	
70.1	Frontal lobe	1		
70.9	Meninges, NOS	2	1	
71	BRAIN	88	90	178
71.0	Cerebrum		2	
71.1	Frontal lobe	18	17	
71.2	Temporal lobe	6	8	
71.3	Parietal lobe	13	10	
71.4	Occipital lobe	1	6	
71.5	Ventricle, NOS	1	2	
71.6	Cerebellum, NOS	3	7	
71.7	Brain stem	6	7	
71.8	Overlapping lesion of brain	11	11	
71.9	Brain, NOS	29	20	
72	SPINAL CORD, CRANIAL NERVES, & OTHER PARTS OF CNS	7	9	16
72.0	Spinal cord	4	4	
72.3	Optic nerve	3	1	
72.5	Cranial nerve		1	
72.9	Nervous system, NOS		3	
73	THYROID	465	113	578
73.9	Thyroid gland	465	113	
74	ADRENAL GLAND	8	8	16
74.0	Cortex of adrenal gland	2	1	
74.1	Medulla of adrenal gland		1	
74.9	Adrenal gland, NOS	6	6	
75	OTHER ENDOCRINE GLANDS & RELATED STRUCTURES	2	5	7
75.1	Pituitary gland	1	1	
75.3	Pineal gland	1	2	
75.4	Carotid body		1	
75.9	Endocrine gland, NOS		1	

76	OTHER & ILL-DEFINED SITES	15	30	45
76.0	Head, face or neck, NOS	3	9	
76.1	Thorax, NOS	3	2	
76.2	Abdomen, NOS	1	9	
76.3	Pelvis, NOS	2		
76.4	Upper limb, NOS	1	1	
76.5	Lower limb, NOS		2	
76.7	Other ill-defined sites	2	4	
76.8	Overlapping lesion of ill-defined	3	3	
77	LYMPH NODES	143	152	295
77.0	Lymph nodes of head, face and neck	29	27	
77.1	Intrathoracic lymph nodes	3	3	
77.2	Intra-abdominal lymph nodes	5	6	
77.3	Lymph nodes of axilla or arm	2	12	
77.4	Lymph nodes, inguinal region	5	8	
77.5	Pelvic lymph nodes		1	
77.8	Lymph nodes of multiple regions	6	6	
77.9	Lymph node, NOS	93	89	
80	UNKNOWN PRIMARY SITES	81	132	213
80.9	Unknown primary site	81	132	
	Total	4890	3856	8746

Distribution of malignancies by age groups

Age group	Female	Male	Total
0 - 4	96	99	195
5 - 9	51	51	102
10-14	42	53	95
15-19	64	62	126
20-24	75	45	120
25-29	112	49	161
30-34	196	83	279
35-39	256	120	376
40-44	369	166	535
45-49	499	303	802
50-54	619	426	1045
55-59	642	489	1131
60-64	640	585	1225
65-69	542	543	1085
70-74	364	427	791
75+	323	355	678
Total Malignancies	4890	3856	8746

CIN 1, 11, & Uncertain Conditions

ICD-O	Site	Female	Male	Total
C 04	MOUTH - FLOOR		1	1
C 05	PALATE		1	1
C 06	MOUTH - OTHER & UNSPECIFIED PARTS	1	1	2
C 10	OROPHARYNX	1		1
C 14	OTHER & ILL DEFINED SITES IN LIP, O. CAVITY & PHARYNX		1	1
C 15	ESOPHAGUS	2	1	3
C 16	STOMACH		1	1
C 21	ANUS & ANAL CANAL		1	1
C 26	OTHER & ILL DEFINED DIGESTIVE ORGANS	1		1
C 31	ACCESSORY SINUSES		1	1
C 32	LARYNX		1	1
C 37	THYMUS	1	1	2
C 42	HAEMATOPOIETIC & RET: ENDO: SYSTEM	1	1	2
C 44	SKIN		1	1
C 49	CONNECTIVE,SUBCUTANEOUS AND OTHER SOFT TISSUES	1	1	2
C 50	BREAST	22	2	24
C 51	VULVA	1		1
C 53	CERVIX UTERI	7		7
C 55	UTERUS, NOS	2		2
C 56	OVARY	23		23
C 58	PLACENTA	5		5
C 67	BLADDER		1	1
C 70	MENINGES		1	1
C 71	BRAIN	2	9	11
C 72	SPINAL CORD, CRANIAL NERVES, & OTHER PARTS OF CNS	2	1	3
C 75	OTHER ENDOCRINE GLANDS & RELATED STRUCTURES	1	2	3
C 76	OTHER & ILL-DEFINED SITES	1	3	4
C 77	LYMPH NODES		2	2
	Total	74	34	108

Leading Cancer sites by Sex & age group

Female Age 0-4 Years		96
C-42-Hematopoietic & Reti: endo: system		45
C-69-Eye & Adnexa		13
C-71-Brain		7
C-64-Kidney		6
C-22-Liver		5

Male Age 0-4 Years		99
C-42-Hematopoietic & Reti: endo: system		47
C-71-Brain		6
C-76-Other and ill-defined sites		6
C-22-Liver		5
C-49-Conne:, Subcu: and Other Soft tissues		4

Female Age 5-9 Years		51
C-42-Hematopoietic & Reti: endo: system		21
C-71-Brain		9
C-64-Kidney		4
C-40-Bone and Articular Cartilage of Limbs		3
C-49-Conne:, Subcu: and Other Soft tissues		2

Male Age 5-9 Years		51
C-42-Hematopoietic & Reti: endo: system		34
C-71-Brain		3
C-77-Lymph nodes		3
C-40-Bone and Articular Cartilage of Limbs		2
C-49-Conne:, Subcu: and Other Soft tissues		1

Female Age 10-14 Years		42
C-42-Hematopoietic & Reti: endo: system		13
C-71-Brain		5
C-77-Lymph nodes		5
C-56-Ovary		4
C-40-Bone and Articular Cartilage of Limbs		3

Male Age 10-14 Years		53
C-42-Hematopoietic & Reti: endo: system		25
C-71-Brain		5
C-73-Thyroid gland		4
C-77-Lymph nodes		4
C-40-Bone and Articular Cartilage of Limbs		3

Female Age 15-19 Years		64
C-73-Thyroid gland		24
C-42-Hematopoietic & Reti: endo: system		11
C-56-Ovary		7
C-40-Bone and Articular Cartilage of Limbs		6
C-71-Brain		4

Male Age 15-19 Years		62
C-42-Hematopoietic & Reti: endo: system		25
C-71-Brain		5
C-73-Thyroid gland		4
C-77-Lymph nodes		4
C-40-Bone and Articular Cartilage of Limbs		3

Female Age 20-24 Years		75
C-73-Thyroid gland		27
C-42-Hematopoietic & Reti: endo: system		10
C-56-Ovary		8
C-77-Lymph nodes		8
C-71-Brain		3

Male Age 20-24 Years		45
C-42-Hematopoietic & Reti: endo: system		14
C-77-Lymph nodes		7
C-73-Thyroid gland		4
C-62-Testis		3
C-71-Brain		3

Female Age 25-29 Years		112
C-73-Thyroid gland		42
C-50-Breast		17
C-77-Lymph nodes		13
C-42-Hematopoietic & Reti: endo: system		12
C-71-Brain		6

Male Age 25-29 Years		49
C-42-Hematopoietic & Reti: endo: system		17
C-77-Lymph nodes		7
C-38-Heart, Mediastinum, & Pleura		5
C-73-Thyroid gland		4
C-20-Rectum		2

Female Age 30-34 Years	196
C-73-Thyroid gland	66
C-50-Breast	40
C-42-Hematopoietic & Reti: endo: system	18
C-56-Ovary	17
C-71-Brain	9

Male Age 30-34 Years	83
C-42-Hematopoietic & Reti: endo: system	21
C-71-Brain	11
C-73-Thyroid gland	10
C-62-Testis	6
C-18-Colon	4

Female Age 35-39 Years	256
C-50-Breast	91
C-73-Thyroid gland	64
C-56-Ovary	15
C-42-Hematopoietic & Reti: endo: system	11
C-20-Rectum	9

Male Age 35-39 Years	120
C-73-Thyroid gland	16
C-42-Hematopoietic & Reti: endo: system	12
C-77-Lymph nodes	12
C-71-Brain	10
C-16-Stomach	5

Female Age 40-44 Years	369
C-50-Breast	145
C-73-Thyroid gland	54
C-56-Ovary	35
C-53-Cervix uteri	29
C-42-Hematopoietic & Reti: endo: system	15

Male Age 40-44 Years	166
C-42-Hematopoietic & Reti: endo: system	23
C-02-Tongue- Other & Unspecified parts	11
C-15-Oesophagus	11
C-73-Thyroid gland	9
C-20-Rectum	8

Female Age 45-49 Years	499
C-50-Breast	195
C-53-Cervix uteri	58
C-56-Ovary	52
C-73-Thyroid gland	51
C-42-Hematopoietic & Reti: endo: system	26

Male Age 45-49 Years	303
C-02-Tongue- Other & Unspecified parts	32
C-32-Larynx	24
C-34-Bronchus & Lung	19
C-42-Hematopoietic & Reti: endo: system	19
C-15-Oesophagus	15

Female Age 50-54 Years	619
C-50-Breast	227
C-53-Cervix uteri	93
C-56-Ovary	57
C-73-Thyroid gland	39
C-42-Hematopoietic & Reti: endo: system	32

Male Age 50-54 Years	426
C-34-Bronchus & Lung	42
C-32-Larynx	31
C-42-Hematopoietic & Reti: endo: system	28
C-02-Tongue- Other & Unspecified parts	22
C-80-Unknown primary site	21

Female Age 55-59 Years	642
C-50-Breast	204
C-53-Cervix uteri	80
C-56-Ovary	72
C-54-Corpus uteri	41
C-42-Hematopoietic & Reti: endo: system	28

Male Age 55-59 Years	489
C-15-Oesophagus	42
C-34-Bronchus & Lung	42
C-42-Hematopoietic & Reti: endo: system	36
C-32-Larynx	32
C-02-Tongue- Other & Unspecified parts	28

Female Age 65-69 Years 542

C-50-Breast	132
C-53-Cervix uteri	70
C-56-Ovary	49
C-54-Corpus uteri	36
C-15-Oesophagus	31

Male Age 65-69 Years 543

C-61-Prostate gland	74
C-34-Bronchus & Lung	69
C-42-Hematopoietic & Reti: endo: system	41
C-32-Larynx	35
C-15-Oesophagus	28

Female Age 70-74 Years 364

C-50-Breast	82
C-53-Cervix uteri	41
C-42-Hematopoietic & Reti: endo: system	29
C-56-Ovary	20
C-54-Corpus uteri	19

Male Age 70-74 Years 427

C-61-Prostate gland	72
C-34-Bronchus & Lung	46
C-42-Hematopoietic & Reti: endo: system	43
C-15-Oesophagus	30
C-32-Larynx	26

Female Age 75< Years 323

C-50-Breast	70
C-53-Cervix uteri	47
C-15-Oesophagus	28
C-56-Ovary	23
C-54-Corpus uteri	20

Male Age 75< Years 355

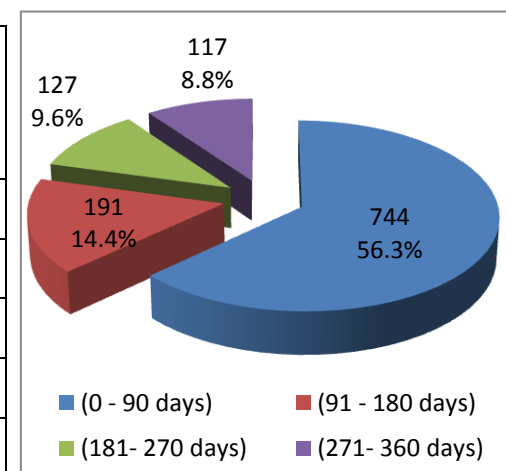
C-61-Prostate gland	63
C-34-Bronchus & Lung	33
C-32-Larynx	24
C-42-Hematopoietic & Reti: endo: system	24
C-15-Oesophagus	21

INDOOR MORTALITY STATISTICS

	2010	2011	2012	2013
Total No of new Pts registered at NCI	11576	12405	12552	12687
Total No of Malignancies	8224	8546	7539	8746
Total Number of ward admissions	43743	46714	49901	52434
Total Number of hospital deaths	1614	1781	1686	1717
Death rate (as a percentage of admissions)	3.7%	3.8%	3.4%	3.3%

Analysis of Institutional Deaths of Patients registered in 2013

Out of pts registered in 2013, total number of Deaths occurred at NCI while taking treatment (up to 31st of December2014)	Female	Male	Total
No of pts died during the 1 st Quarter (0 - 90 days)	279	465	744
No of pts died during the 2 nd Quarter (91 - 180 days)	61	130	191
No of pts died during the 3 rd Quarter (181- 270 days)	45	82	127
No of pts died during the 4 th Quarter (271- 365 days)	57	60	117
Total	442	737	1179



Sex Distribution and Leading Cancer sites of Patients died at NCIM

(Patients registered in 2013)

No of Patients died at NCIM during the 1st 90 days - 744

Sex	No	%
Male	465	62.5%
Female	279	37.5%
Total	744	100%

Five leading causes of death in Females

Site of cancer	No	%
C-42-Hematopoietic & R.E system	71	25.4%
C-50-Breast	26	9.3%
C-56-Ovary	24	8.6%
C-34-Bronchus & Lung	21	7.5%
C-80-Unknown primary site	18	6.4%

Five leading causes of death in Males

Site of cancer	No	%
C-42-Hematopoietic & R.E system	83	17.8%
C-34-Bronchus & Lung	78	16.8%
C-15-Oesophagus	33	7.1%
C-80-Unknown primary site	33	7.1%
C-77-Lymph nodes	18	3.9%

Deaths by age group

Age group	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70<	Total
Male	15	10	10	14	52	114	143	107	465
Female	12	10	13	10	42	65	82	45	279
Total	27	20	23	24	94	179	225	152	744

Sex Distribution and Leading Cancer sites of Patients died at NCIM

(Patients registered in 2013)

No of Patients died at NCIM during the 2nd 90 days (91- 180 days) - 191

Sex	No	%
Male	130	68.1%
Female	61	31.9%
Total	191	100%

Five leading causes of death in Females

Site of cancer	No	%
C-42-Hematopoietic & R.E system	14	23.0%
C-56-Ovary	6	9.8%
C-15-Oesophagus	7	11.4%
C-34-Bronchus & Lung	4	6.5%
C-50-Breast	4	6.5%

Five leading causes of death in Males

Site of cancer	No	%
C-42-Hematopoietic & R.E system	23	17.7%
C-34-Bronchus & Lung	19	14.6%
C-61-Prostate gland	9	6.9%
C-02-Tongue- Other & Unspecified parts	6	4.6%
C-16-Stomach	6	4.6%

Deaths by age group

Age group	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70<	Total
Male	4	8	2	6	15	31	41	23	130
Female	3	1	4	7	10	13	12	11	61
Total	7	9	6	13	25	44	53	34	191

Sex Distribution and Leading Cancer sites of Patients died at NCIM

(Patients registered in 2013)

No of Patients died at NCIM during the 3rd 90 days (181- 270 days) - 127

Sex	No	%
Male	82	64.6%
Female	45	35.4%
Total	127	100%

Five leading causes of death in Females

Site of cancer	No	%
C-42-Hematopoietic & R.E system	14	31.1%
C-50-Breast	5	11.1%
C-53-Cervix uteri	5	11.1%
C-56-Ovary	5	11.1%
C-34-Bronchus & Lung	3	6.6%

Five leading causes of death in Males

Site of cancer	No	%
C-34-Bronchus & Lung	12	14.6%
C-42-Hematopoietic & R.E system	9	11.0%
C-15-Oesophagus	7	8.5%
C-10-Oropharynx	5	6.0%
C-77-Lymph nodes	5	6.0%

Deaths by age group

Age group	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70<	Total
Male	2	2	6	5	12	20	26	9	82
Female	1	2	0	2	8	11	16	5	45
Total	3	4	6	7	20	31	42	14	127

Sex Distribution and Leading Cancer sites of Patients died at NCIM

(Patients registered in 2013)

No of Patients died at NCIM during the 4th 90 days (271- 365 days) - 117

Sex	No	%
Male	60	51.8%
Female	57	48.2%
Total	117	100%

Five leading causes of death in Females

Site of cancer	No	%
C-50-Breast	11	19.2%
C-42-Hematopoietic & R.E system	10	17.5%
C-56-Ovary	6	10.5%
C-15-Oesophagus	5	8.7%
C-34-Bronchus & Lung	4	7.0%

Five leading causes of death in Males

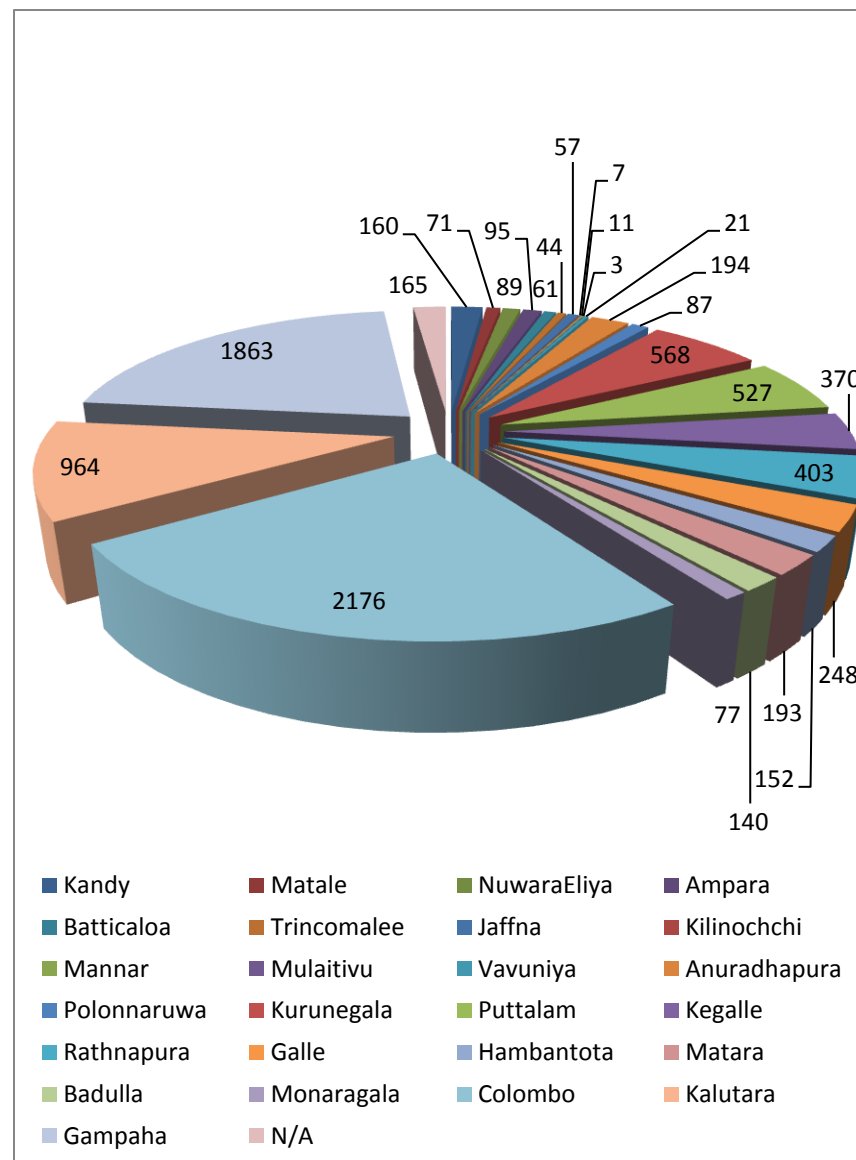
Site of cancer	No	%
C-42-Hematopoietic & R.E system	8	13.0%
C-34-Bronchus & Lung	7	11.7%
C-02-Tongue- Other & Unspe: parts	5	8.3%
C-09-Tonsil	3	5.0%
C-18-Colon	3	5.0%

Deaths by age group

Age group	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70<	Total
Male	1	2	1	2	17	13	16	8	60
Female		3	2	5	6	18	17	6	57
Total	1	5	3	7	23	31	33	14	117

Cancer Patients reported to
National Cancer Institute in 2013 by Districts

Province	District	F	M	Total
Central	Kandy	94	66	160
	Matale	46	25	71
	NuwaraEliya	60	29	89
Estern	Ampara	49	46	95
	Batticaloa	33	28	61
	Trincomalee	23	21	44
Nothern	Jaffna	41	16	57
	Kilinochchi	6	1	7
	Mannar	7	4	11
	Mulaitivu	2	1	3
	Vavuniya	10	11	21
North Central	Anuradhapura	123	71	194
	Polonnaruwa	42	45	87
North Western	Kurunegala	283	285	568
	Puttalam	288	239	527
Sabaragamuwa	Kegalle	185	185	370
	Rathnapura	212	191	403
Southern	Galle	148	100	248
	Hambantota	85	67	152
	Matara	121	72	193
Uva	Badulla	101	39	140
	Monaragala	51	26	77
Western	Colombo	1233	943	2176
	Kalutara	542	422	964
	Gampaha	1017	846	1863
	N/A	88	77	165
	Total	4890	3856	8746



Cancer patients reported to NCI during last three years by District

Province	District	2013	2012	2011
Central	Kandy	160	129	152
	Matale	71	54	60
	NuwaraEliya	89	47	68
Estern	Ampara	95	79	98
	Batticaloa	61	78	65
	Trincomalee	44	31	46
Nothern	Jaffna	57	49	23
	Kilinochchi	7	11	6
	Mannar	11	5	11
	Mulaitivu	3	8	2
	Vavuniya	21	17	20
North Central	Anuradapura	194	115	142
	Polonnaruwa	87	75	84
North Western	Kurunagala	568	515	615
	Puttalam	527	422	516
Sabaragamuwa	Kegalle	370	300	321
	Rathnapura	403	420	467
Southern	Galle	248	171	179
	Hambanthota	152	101	133
	Matara	193	126	145
Uva	Badulla	140	112	126
	Monaragala	77	79	107
Western	Colombo	2176	1818	2148
	Kalutara	964	802	992
	Gampaha	1863	1620	1802
	District N.A	165	355	189
Total		8746	7539	8517

Medical Statistics Unit
National Cancer Institute
Maharagama – Sri Lanka