STATISTICAL REVIEW

Patients Registered in 2011

MEDICAL STATISTICS UNIT

NATIONAL CANCER INSTITUTE

MAHARAGAMA

Volume 7

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 50,000 inward patients which include more than 10,000 new registrations annually coming from various areas of the country. Out of these new registrations approximately 8000 are identified as malignant. They are being managed with specialized treatments and follow up care.

The **Statistical Review – Cancer Incidence 2011** is the 7th publication in the series started in 2006 contains data of cancer patients registered at National Cancer Institute Sri Lanka in 2011. The aim of this publication is to become a standard institutional cancer registry by providing accurate statistical data which is essential for health administrators, researchers, policy makers and strategists in cancer related field.

I wish to express my gratitude to the Director, Dr. G. Wijesuriya, Deputy Director, Dr. Wasantha Dissanayake, Senior Consultant Oncologist, Dr. Jayantha Balawardane, and all Consultants for the valuable suggestions, encouragements, guidance and appreciation given for the improvement of this publication. Also I would take this opportunity to thank the heads of departments & staff for their cooperation in assisting me in this important task. 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 National Cancer Institute, Sri Lanka.

The 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. It is 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 1956 and now it has developed into a tertiary care hospital with modern screening, diagnostic, & treatment facilities.

NCI, which spreads over 10 acres, provides patient care approximately 125000 outdoor patients and 43000 indoor patients per year with 21 wards consist of 750 beds. Twenty six Consultant and more than thousand health workers including nurses, pharmacists, radiographers, MLTs provide their service under the guidance of Director. Consultant Oncologists, Oncosurgeons, Oncogynaecologists, 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, Counseling, Outdoor blood transfusion & Chemotherapy services are among the other services available in this hospital

Classification of Diseases of Patients registered at National Cancer Institute in 2011

(These information are based on data available at NCI Maharagama)

	Total No	Female	Male
Total No of Malignancies (including CIN-111 & In Situ)	**8522**	**4795**	**3727**
No of Multiple primary cases	**5**	**1**	**4**
Total No of Pts with malignancies	**8517**	**4794**	**3723**
Total No of Pts for Screening & Non Malignant Conditions	**2066**	**1770**	**296**
Total No of CIN 1,11, & Uncertain Conditions	**75**	**58**	**17**
Unable to trace diagnosis (File Not available, Not clear)	**1744**	**509**	**1235**
Total no of patients	**12402**	**7131**	**5271**
No of Pts Cancelled from registry (re registration)	**3**		
Total No of registrations in the register	**12405**		

Leading Cancer sites of Females

1	**C-50 BREAST**	1374
2	**C-53 CERVIX UTERI**	525
3	**C-73 THYROID GLAND**	482
4	**C-56 OVARY**	398
5	**C-42 HAEMATOPOIETIC & R.E.SYSTEM**	323
6	**C-54 CORPUS UTERI**	200
7	**C-15 ESOPHAGUS**	159
8	**C-77 LYMPH NODES**	128
9	**C-18 COLON**	113
10	**C-20 RECTUM**	109

Leading Cancer sites of Males

1	**C-42 HAEMATOPOIETIC & R.E. SYSTEM**	384
2	**C-34 BRONCHUS & LUNG**	329
3	**C-61 PROSTATE GLAND**	260
4	**C-32 LARYNX**	213
5	**C-77 LYMPH NODES**	205
6	**C-15 ESOPHAGUS**	197
7	**C-80 UNKNOWN PRIMARY SITES**	142
8	**C-02 TONGUE - OTHER & UNSPE: PARTS**	137
9	**C-06 MOUTH - OTHER & UNSPE: PARTS**	128
10	**C-16 STOMACH**	119

Classification by site of Malignancy

Patients Registered in 2011

ICD-O code	Site of the Malignancy	Female	Male	Total
C 00	**LIP TOTAL**	**2**	**18**	**20**
00.1	External lower lip	2	6	8
00.3	Mucosa of upper lip		1	1
00.6	Commissure of lip		10	10
00.9	Lip, NOS		1	1
C 01	**BASE OF TONGUE, NOS TOTAL**	**7**	**89**	**96**
01.9	Base of tongue, post 1/3, posterior NOS, root,	7	89	96
C 02	**TONGUE - OTHER & UNSPECIFIED PARTS TOTAL**	**45**	**137**	**182**
02.0	Dorsal surface of tongue, NOS	1	1	2
02.1	Border of tongue	12	30	42
02.2	Ventral surface of tongue, NOS		2	2
02.3	Anterior 2/3 of tongue, NOS	1	12	13
02.8	Overlapping lesion of tongue		6	6
02.9	Tongue, NOS	31	86	117
C 03	**GUM TOTAL**	**13**	**27**	**40**
03.0	Upper gum, Maxillary, alveolus, gingiva	5	5	10
03.1	Lower gum, Mandibular, alveolus , gingiva	5	17	22
03.9	Gum, NOS, alveolus, gingiva	3	5	8
C 04	**MOUTH - FLOOR TOTAL**	**10**	**63**	**73**
04.1	Lateral floor of mouth		1	1
04.8	Overlapping lesion of floor of mouth	1		1
04.9	Floor of mouth, NOS	9	62	71
C 05	**PALATE TOTAL**	**13**	**51**	**64**
05.0	Hard palate	8	11	19
05.1	Soft palate, NOS	3	25	28
05.2	Uvula		4	4
05.8	Overlapping lesion of palate	1	8	9
05.9	Palate, NOS	1	3	4
C 06	**MOUTH - OTHER & UNSPECIFIED PARTS TOTAL**	**38**	**128**	**166**
06.0	Cheek mucosa	31	88	119
06.2	Retromolar area	3	25	28
06.8	Overlapping lesion of other & unspecified parts	1	5	6
06.9	Mouth, NOS	3	10	13
C 07	**PAROTID GLAND TOTAL**	**24**	**11**	**35**
07.9	Parotid gland	24	11	35
C 08	**OTHER & UNSPECIFIED MAJOR SALIVARY GLANDS TOTAL**	**5**	**5**	**10**
08.0	Submandibular gland	5	5	10

C 09	TONSILS TOTAL TOTAL	6	65	71
09.0	Tonsillar fossa	1	6	7
09.1	Tonsillar pillar		2	2
09.8	Overlapping lesion of tonsil		5	5
09.9	Tonsil, NOS	5	52	57
C 10	OROPHARYNX TOTAL	2	56	58
10.0	Vallecula		31	31
10.4	Branchial cleft		1	1
10.8	Overlapping lesion of oropharynx	1	2	3
10.9	Oropharynx, NOS	1	22	23
C 11	NASOPHARYNX TOTAL	14	23	37
11.1	Posterior wall of nasopharynx	2		2
11.9	Nasopharynx, NOS	12	23	35
C 12	PYRIFORM SINUS TOTAL	3	70	73
12.9	Pyriform sinus	3	70	73
C 13	HYPOPHARYNX TOTAL	12	19	31
13.0	Postcricoid region	8	15	23
13.1	Aryepiglottic fold	1	3	4
13.9	Laryngopharynx, Hypopharynx	3	1	4
C 14	OTHER & ILL DEFINED SITES IN LIP, O. CAVITY & PHARYNX TOTAL	2	15	17
14.0	Pharynx, NOS	2	15	17
C 15	ESOPHAGUS TOTAL	159	197	356
15.2	Abdominal esophagus		1	1
15.3	Upper third of esophagus	6	4	10
15.4	Middle third of esophagus	76	71	147
15.5	Lower third of esophagus	48	91	139
15.8	Overlapping lesion of esophagus	3	6	9
15.9	Oesophagus, NOS	26	24	50
C 16	STOMACH TOTAL TOTAL	49	118	167
16.0	Cardia, NOS,GOJ	25	51	76
16.1	Fundus of stomach		3	3
16.2	Body of stomach		3	3
16.3	Gastric antrum		1	1
16.4	Pylorus	2	3	5
16.5	Lesser curvature of stomach,	1	2	3
16.8	Overlapping lesion of stomach	1	4	5
16.9	Stomach, NOS	20	51	71
C 17	SMALL INTESTINE TOTAL	6	11	17
17.0	Duodenum		4	4
17.1	Jejunum		2	2
17.2	Ileum	3		3
17.8	Overlapping lesion of small intestine	1		1
17.9	Small intestine	2	5	7

C 18	COLON TOTAL	113	96	209
18.0	Cecum	16	10	26
18.1	Appendix	1	1	2
18.2	Ascending colon	5	5	10
18.3	Hepatic flexure of colon		4	4
18.4	Transverse colon	5	8	13
18.5	Splenic flexure of colon		5	5
18.6	Descending colon	3	6	9
18.7	Sigmoid colon	47	35	82
18.8	Overlapping lesion of colon	4	1	5
18.9	Colon, NOS	32	21	53
C 19	RECTOSIGMOID JUNCTION TOTAL	28	22	50
19.9	Rectosigmoid junction	28	22	50
C 20	RECTUM TOTAL	109	119	228
20.9	Rectum, NOS	109	119	228
C 21	ANUS & ANAL CANAL TOTAL	14	27	41
21.0	Anus, NOS	9	16	25
21.1	Anal canal	4	1	5
21.8	Overlapping lesion of rectum, and anal canal	1	10	11
C 22	LIVER & INTRAHEPATIC BILE DUCT TOTAL	24	71	95
22.0	Liver	22	70	92
22.1	Intrahepatic bile duct	2	1	3
C 23	GALL BLADDER TOTAL	11	5	16
23.9	Gallbladder	11	5	16
C 24	OTHER & UNSPECIFIED PARTS OF BILIARY TRACT TOTAL	9	18	27
24.0	Extrahepatic bile duct	3	9	12
24.1	Ampulla of Vater	5	8	13
24.9	Biliary tract, NOS	1	1	2
C 25	PANCREAS TOTAL	26	26	52
25.0	Head of pancreas	10	9	19
25.1	Body of pancreas			
25.2	Tail of pancreas	3	1	4
25.8	Overlapping lesion of pancreas	2		2
25.9	Pancreas, NOS	11	16	27
C 26	OTHER & ILL DEFINED DIGESTIVE ORGANS TOTAL	5		5
26.0	Intestinal tract, NOS	2		2
26.9	Gastrointestinal tract, NOS	3		3
C 30	NASAL CAVITY AND MIDDLE EAR TOTAL	7	7	14
30.0	Nasal cavity	7	7	14

C 31	ACCESSORY SINUSES TOTAL	10	16	26
31.0	Maxillary sinus	6	12	18
31.1	Ethmoid sinus	2	1	3
31.8	Overlapping lesion of accessory sinuses	1	1	2
31.9	Accessory sinus, NOS	1	2	3
C 32	LARYNX TOTAL	21	213	234
32.0	Glottis, Vocal cord	9	111	120
32.1	Supraglottis, epiglottis	10	64	74
32.2	Subglottis		5	5
32.3	Laryngeal cartilage Aretenoid, cricoid cart	1	4	5
32.8	Overlapping lesion of larynx		5	5
32.9	Larynx, NOS	1	24	25
C 34	BRONCHUS & LUNG TOTAL	82	329	411
34.0	Main bronchus	2	5	7
34.1	Upper lobe, lung	2	22	24
34.2	Middle lobe, lung		1	1
34.3	Lower lobe, lung	7	9	16
34.8	Overlapping lesion of lung		1	1
34.9	Lung, NOS ,Bronchus NOS	71	291	362
C 37	THYMUS TOTAL	8	9	17
37.9	Thymus	8	9	17
C 38	HEART MEDIASTINUM & PLEURA TOTAL	7	16	23
38.1	Anterior mediastinum		3	3
38.2	Posterior mediastinum		2	2
38.3	Mediastinum, NOS	6	6	12
38.4	Pleura, NOS	1	5	6
C 40	BONES,JOINTS AND ARTICULAR CARTILAGE OF LIMBS TOTAL	11	25	36
40.0	Long bones of upper limb, scapula and associated joints	6	7	13
40.2	Long bones of lower limb and associated joints	5	18	23
C 41	BONES,Jt, & ART: CARTIL: OF OTHER & UNSPECI: SITES TOTAL	11	17	28
41.0	Bones of skull and face	2	4	6
41.1	Mandible	1	3	4
41.2	Vertebral column	4	4	8
41.3	Rib, Sternum, Clavicle	1	3	4
41.4	Pelvic bones, Sacrum, Coccyx	3	3	6
C 42	HAEMATOPOIETIC & RETICULOENDOTHELIAL SYSTEMS TOTAL	323	384	707
42.0	Blood	1		1
42.1	Bone marrow	316	382	698
42.2	Spleen	5	2	7
42.4	Hematopoietic system, NOS	1		1

C 44	SKIN TOTAL	45	60	105
44.0	Skin of lip, NOS	3	1	4
44.1	Eyelid	2	1	3
44.2	External ear	4	5	9
44.3	Skin, other & unspecified parts of face	3	4	7
44.4	Skin of scalp and neck	5	7	12
44.5	Skin of trunk	8	6	14
44.6	Skin of upper limb and shoulder	2	1	3
44.7	Skin of lower limb and hip	9	26	35
44.9	Skin, NOS	9	9	18
C 47	**PERIP: NERVES, & AUTONOMIC NERVOUS SYSTEM TOTAL**	**2**	**6**	**8**
47.0	Per. nerves & A.N.S. of head		3	3
47.1	Per. nerves & A.N.S. of upper	1		1
47.2	Per. nerves & A.N.S. of lower		2	2
47.3	Per. nerves & A.N.S. of thorax		1	1
47.4	Per. nerves & A.N.S. of abdomen	1		1
C 48	**RETROPERITONEUM & PERITONEUM TOTAL**	**19**	**9**	**28**
48.0	Retroperitoneum	7	9	16
48.1	Specified parts of peritoneu	1		1
48.2	Peritoneum, NOS	11		11
C 49	**CONNECTIVE,SUBCUTA: AND OTHER SOFT TISSUES TOTAL**	**36**	**42**	**78**
49.0	Conn:Subcu: and other Soft tissues of head, face,	6	4	10
49.1	Conn:Subcu: and other Soft tissues of upper limb,	5	8	13
49.2	Conn:Subcu: and other Soft tissues of lower limb & hip	15	14	29
49.3	Conn:Subcu: and other Soft tissues of thorax	1	4	5
49.4	Conn:Subcu: and other Soft tissues of abdomen	3	3	6
49.5	Conn:Subcu: and other Soft tissues of pelvis	6	6	12
49.6	Conn:Subcu: and other Soft tissues of trunk		3	3
C 50	**BREAST TOTAL**	**1374**	**17**	**1391**
50.0	Nipple	1		1
50.4	Upper-outer quadrant of breast	5		5
50.6	Axillary tail of breast	1		1
50.9	Breast, NOS	1367	17	1384
C 51	**VULVA TOTAL**	**18**		**18**
51.0	Labium majus	1		1
51.9	Vulva, NOS	17		17
C 52	**VAGINA TOTAL**	**8**		**8**
52.9	Vagina, NOS	8		8

C 53	**CERVIX UTERI TOTAL**	**525**		**525**
53.0	Endocervix	6		6
53.1	Exocervix	1		1
53.8	Overlapping lesion of cervix uter	1		1
53.9	Cervix uteri	517		517
C 54	**CORPUS UTERI TOTAL**	**200**		**200**
54.1	Endometrium	198		198
54.8	Overlapping lesion of corpus uteri	1		1
54.9	Corpus uteri	1		1
C 55	**UTERUS, NOS TOTAL**	**30**		**30**
55.9	Uterus, NOS	30		30
C 56	**OVARY TOTAL**	**398**		**398**
56.9	Ovary	398		398
C 57	**OTHER & UNSPECIFIED FEMALE GENITAL ORGANS TOTAL**	**8**		**8**
57.0	Fallopian tube	4		4
57.8	Overlapping lesion of female genital organs	3		3
57.9	Female genital tract, NOS	1		1
C 58	**PLACENTA TOTAL**	**10**		**10**
58.9	Placenta	10		10
C 60	**PENIS TOTAL**		**33**	**33**
60.0	Prepuce		1	1
60.9	Penis, NOS		32	32
C 61	**PROSTATE GLAND TOTAL**		**260**	**260**
61.9	Prostate gland		260	260
C 62	**TESTIS TOTAL**		**37**	**37**
62.0	Undescended testis		1	1
62.9	Testis, NOS		36	36
C 63	**OTHER & UNSPECIFIED MALE GENITAL ORGANS TOTAL**		**3**	**3**
63.2	Scrotum, NOS		3	3
C 64	**KIDNEY TOTAL**	**34**	**46**	**80**
64.9	Kidney, NOS	34	46	80
C 66	**URETER TOTAL**		**1**	**1**
66.9	Ureter		1	1
C 67	**BLADDER TOTAL**	**21**	**86**	**107**
67.9	Urinary bladder, NOS	21	86	107
C 68	**OTHER & UNSPECIFIED URINARY ORGANS TOTAL**	**1**	**3**	**4**
68.0	Urethra		1	1
68.8	Overlapping lesion of urinary org	1		1
68.9	Urinary system, NOS		2	2

C 69	EYE AND ADENEXA TOTAL	11	14	25
69.2	Retina	10	7	17
69.3	Choroid		1	1
69.6	Orbit, NOS		6	6
69.9	Eye, NOS	1		1
C 70	MENINGES TOTAL	8	5	13
70.0	Cerebral meninges	1		1
70.9	Meninges, NOS	7	5	12
C 71	BRAIN TOTAL	85	114	199
71.0	Cerebrum	7	8	15
71.1	Frontal lobe	12	11	23
71.2	Temporal lobe	4	11	15
71.3	Parietal lobe	7	22	29
71.4	Occipital lobe	5	3	8
71.5	Ventricle, NOS	4	2	6
71.6	Cerebellum, NOS		2	2
71.7	Brain stem	6	7	13
71.8	Overlapping lesion of brain	17	22	39
71.9	Brain, NOS	23	26	49
C 72	SPINAL CORD, CRANIAL NERVES, & OTHER PARTS OF CNS TOTAL	6		6
72.0	Spinal cord	4		4
72.3	Optic nerve	1		1
72.9	Nervous system, NOS	1		1
C 73	THYROID GLAND TOTAL	482	108	590
73.9	Thyroid gland	482	108	590
C 74	ADRENAL GLAND	15	17	32
74.0	Cortex of adrenal gland	4	1	5
74.1	Medulla of adrenal gland	1	2	3
74.9	Adrenal gland, NOS	10	14	24
C 75	OTHER ENDOCRINE GLANDS & RELATED STRUCTURES TOTAL	3	2	5
75.3	Pineal gland	2	2	4
75.5	Aortic body and other paraganglia	1		1
C 76	OTHER & ILL-DEFINED SITES TOTAL	11	14	25
76.0	Head, face or neck, NOS	1	2	3
76.1	Thorax, NOS	2	3	5
76.2	Abdomen, NOS	4	2	6
76.3	Pelvis, NOS	3	4	7
76.5	Lower limb, NOS	1	1	2
76.7	Other ill-defined sites		1	1
76.8	Overlapping lesion of ill-defined		1	1

C 77	LYMPH NODES TOTAL	128	205	333
77.0	Lymph nodes of head, face and neck	50	63	113
77.1	Intrathoracic lymph nodes	10	13	23
77.2	Intra-abdominal lymph nodes	7	12	19
77.3	Lymph nodes of axilla or arm	8	11	19
77.4	Lymph nodes, inguinal region	10	15	25
77.5	Pelvic lymph nodes		1	1
77.8	Lymph nodes of multiple region	25	61	86
77.9	Lymph node, NOS	18	29	47
C 80	UNKNOWN PRIMARY SITES TOTAL	88	142	230
80.9	Unknown primary site	88	142	230
	Total	**4795**	**3727**	**8522**

CIN 1, 11, & Uncertain Conditions

ICD-O code	Site	Female	Male	Total
C-17	Small intestine		1	1
C-18	Colon	1	1	2
C-42	Hematopoietic and R: E: system	1	3	4
C-50	Breast	1		1
C-53	Cervix uteri (CIN 1, 11,)	5		5
C-54	Corpus Uteri	2		2
C-56	Ovary	28		28
C-58	Placenta	8		8
C-70	Meninges	2	2	4
C-71	Brain	6	5	11
C-72	Spinal cord, Cra. nerves & other parts of CNS		1	1
C-75	Other Endocrine glands and related structures	3	1	4
C-77	Lymph nodes	1	3	4
	Total	58	17	75

Leading Cancer sites by Sex & age group

Female

Age < 1 Year	13
C-42 Hematopoietic and r:e: system	3
C-69 Eye and Adenexa	3
C-49 Conne:,Subcu: and other Soft tissues	2
C-64 Kidney	2
C-74 Adrenal gland	1

Age 1-4 Year	85
C-42 Hematopoietic and r:e: system	37
C-71 Brain	9
C-64 Kidney	7
C-69 Eye and Adenexa	6
C-74 Adrenal gland	6

Age 5-16 Year	102
C-42 Hematopoietic and r:e: system	45
C-71 Brain	13
C-56 Ovary	9
C-73 Thyroid gland	8
C-40 Bones,Joints and art: cart: of Limbs	6

Age 17-49 Year	1484
C-50 Breast	458
C-73 Thyroid gland	303
C-53 Cervix uteri	129
C-56 Ovary	123
C-42 Hematopoietic and r:e: system	72

Age 50-69 Year	2419
C-50 Breast	770
C-53 Cervix uteri	313
C-56 Ovary	219
C-54 Corpus Uteri	143
C-73 Thyroid gland	142

Age Year 70+	692
C-50 Breast	146
C-53 Cervix uteri	82
C-42 Hematopoietic and r:e: system	60
C-15 Oesophagus	49
C-56 Ovary	47

Male

Age < 1 Year	14
C-74 Adrenal gland	6
C-42 Hematopoietic and r:e: system	2
C-44 Skin	1
C-69 Eye and Adenexa	1
C-71 Brain	1

Age 1-4 Year	71
C-42 Hematopoietic and r:e: system	35
C-74 Adrenal gland	7
C-69 Eye and Adenexa	6
C-64 Kidney	4
C-77 Lymph nodes	4

Age 5-16 Year	114
C-42 Hematopoietic and r:e: system	55
C-71 Brain	18
C-77 Lymph nodes	16
C-40 Bones,Joints and art: cart: of Limbs	7
C-49 Conne:,Subcu: and other Soft tissues	3

Age 17-49 Year	770
C-42 Hematopoietic and r:e: system	96
C-73 Thyroid gland	68
C-77 Lymph nodes	65
C-71 Brain	49
C-32 Larynx	34

Age 50-69 Year	2038
C-34 Bronchus and Lung	233
C-42 Hematopoietic and r:e: system	146
C-32 Larynx	143
C-15 Oesophagus	135
C-61 Prostate	126

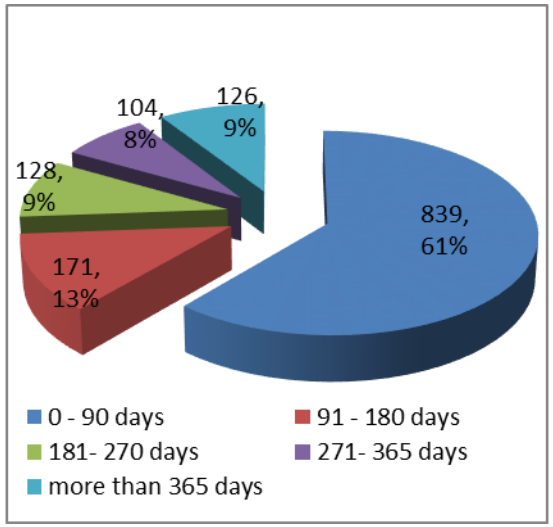
Age Year 70+	720
C-61 Prostate	134
C-34 Bronchus and Lung	63
C-42 Hematopoietic and r:e: system	50
C-32 Larynx	49
C-15 Oesophagus	39

INDOOR MORTALITY STATISTICS

	2008	2009	2010	2011
Total No of new Pts registered at NCI	11229	11756	11576	12405
Total No of Malignancies	8222	8703	8224	8546
Total Number of ward admissions	38898	40522	43743	46714
Total Number of hospital deaths	1543	1689	1614	1781
Death rate (as a percentage of admissions)	3.9%	4.2%	3.7%	3.8%

Analysis of duration of survival of Pts registered in 2011

Out of pts registered in 2011, total number of Deaths occurred at NCI while taking treatment (up to 31st of December2012)	**Female**	**Male**	**Total**
No of pts died during the 1st Quarter (0 - 90 days)	331	508	839
No of pts died during the 2nd Quarter (91 - 180 days)	69	102	171
No of pts died during the 3rd Quarter (181- 270 days)	51	77	128
No of pts died during the 4th Quarter (271- 365 days)	45	59	104
No of pts Survived more than 365 days	68	58	126
Total	**564**	**804**	**1368**



Distribution of death by number of days survived

Sex Distribution and Leading Cancer sites

(Patients registered in 2011)

Patients survived less than 90 days

No of patients survived less than 90 days - 839

Sex	No	%
Male	508	60.5%
Female	331	39.5%
Total	839	100%

Five leading causes of death in Females

Site of cancer	No	%
C-42 Hematopoietic and R.E system	80	24.2%
C-50 Breast	33	10.0%
C-56 Ovary	24	7.3%
C-53 Cervix uteri	23	6.9%
C-80 Unknown primary site	22	6.6%

Five leading causes of death in Males

Site of cancer	No	%
C-42 Hematopoietic and R.E system	96	18.9%
C-34 Bronchus and Lung	82	16.1%
C-80 Unknown primary site	37	7.3%
C-15 Oesophagus	31	4.4%
C-77 Lymph nodes	26	5.1%

Patients survived less than 90 days by age group

Period survived	< 1 Year	4-Jan Years	16-May Years	17-49 Years	50-69 Years	70+ Years	Total
Male	2	7	12	83	307	97	508
Female	3	15	12	68	160	73	331
Total	5	22	24	151	467	170	839

Patients survived between 91- 180 days

No of Patients survived between 91- 180 days – 171

Sex	No	%
Male	102	59.6%
Female	69	40.4%
Total	171	100%

Five leading causes of death in Females

Site of cancer	No	%
C-42 Hematopoietic and R.E system	9	13.0%
C-56 Ovary	7	10.1%
C-20 Rectum	5	7.2%
C-50 Breast	5	7.2%
C-53 Cervix uteri	5	7.2%

Five leading causes of death in Males

Site of cancer	No	%
C-42 Hematopoietic and R.E system	10	9.8%
C-34 Bronchus and Lung	9	8.8%
C-15 Oesophagus	8	7.8%
C-02 Other & Unsp: parts of Tongue	6	5.9%
C-06 Other & Unsp: parts of Mouth	6	5.9%

Patients survived between 91-180 days by age group

Period survived	**< 1 Year**	**4-Jan Years**	**16-May Years**	**17-49 Years**	**50-69 Years**	**70+ Years**	**Total**
Male	1		3	21	60	17	102
Female	2	1	1	17	39	9	69
Total	3	1	4	38	99	26	171

Patients survived between 181- 270 days

No of Patients survived between 181- 270 days - 128

Sex	No	%
Male	77	60.2%
Female	51	39.8%
Total	128	100%

Five leading causes of death in Females

Site of cancer	No	%
C-50 Breast	7	13.7%
C-77 Lymph nodes	7	13.7%
C-42 Hematopoietic and R.E system	6	11.8%
C-56 Ovary	5	9.8%
C-15 Oesophagus	3	5.9%

Five leading causes of death in Males

Site of cancer	No	%
C-42 Hematopoietic and R.E system	10	13.0%
C-16 Stomach	6	7.8%
C-32 Larynx	6	7.8%
C-34 Bronchus and Lung	6	7.8%
C-61 Prostate	6	7.8%

Patients survived between181- 270 days by age group

Period survived	< 1 Year	4-Jan Years	16-May Years	17-49 Years	50-69 Years	70+ Years	Total
Male		2	3	16	44	12	77
Female				23	21	7	51
Total		2	3	39	65	19	128

Patients survived between 271- 365 days

No of Patients survived between 271- 365 days - 104

Sex	No	%
Male	59	56.7%
Female	45	43.3%
Total	104	100%

Five leading causes of death in Females

Site of cancer	No	%
C-42 Hematopoietic and R.E system	12	26.7%
C-56 Ovary	7	15.6%
C-50 Breast	6	13.3%
C-53 Cervix uteri	3	6.7%
C-18 Colon	2	4.4%

Five leading causes of death in Males

Site of cancer	No	%
C-34 Bronchus and Lung	9	15.3%
C-77 Lymph nodes	8	13.6%
C-02 Other & Unsp: parts of Tongue	6	10.2%
C-32 Larynx	5	8.5%
C-42 Hematopoietic and R.E system	5	8.5%

Patients survived between 271- 365 days by age group

Period survived	**< 1 Year**	**4-Jan Years**	**16-May Years**	**17-49 Years**	**50-69 Years**	**70+ Years**	**Total**
Male			2	12	37	8	59
Female		1	3	12	21	8	45
Total		1	5	24	58	16	104

Patients survived more than 365 days

No of Patients survived more than 366 days - 126

Sex	No	%
Male	58	46.0%
Female	68	54.0%
Total	126	100%

Five leading causes of death in Females

Site of cancer	No	%
C-50 Breast	21	30.9%
C-56 Ovary	9	13.2%
C-42 Hematopoietic and R.E system	8	11.8%
C-53 Cervix uteri	8	11.8%
C-77 Lymph nodes	6	8.8%

Five leading causes of death in Males

Site of cancer	No	%
C-34 Bronchus and Lung	8	13.8%
C-42 Hematopoietic and R.E system	7	12.1%
C-61 Prostate	6	10.3%
C-15 Oesophagus	4	6.9%
C-77 Lymph nodes	4	6.9%

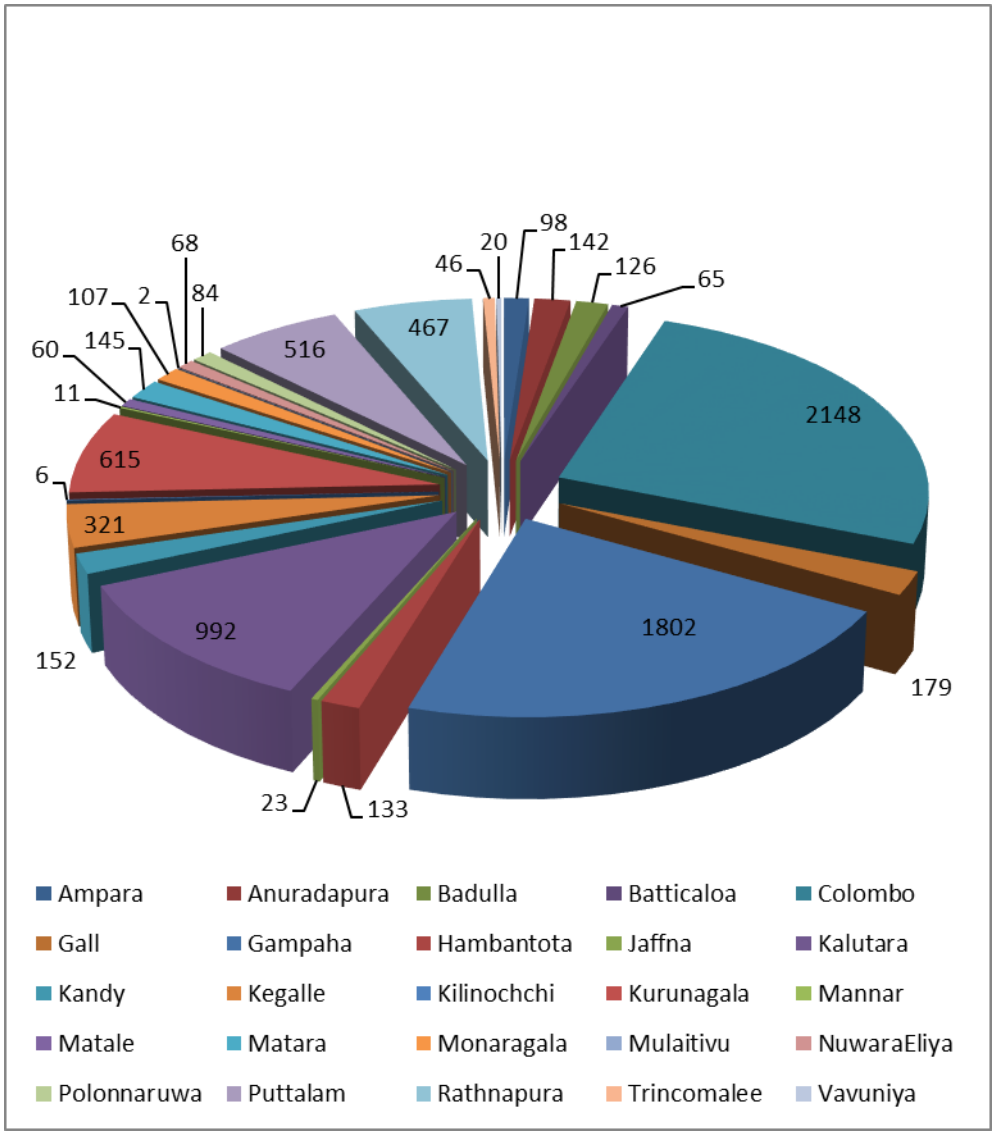
Patients survived more than 365 days by age group

Period survived	< 1 Year	4-Jan Years	16-May Years	17-49 Years	50-69 Years	70+ Years	Total
Male			3	18	31	6	58
Female		2	1	21	34	10	68
Total		2	4	39	65	16	126

Cancer patients reported to

National Cancer Institute in 2011 by Districts

District	Female	Male	Total
Ampara	64	34	98
Anuradapura	77	65	142
Badulla	92	34	126
Batticaloa	38	27	65
Colombo	1213	935	2148
Gall	112	67	179
Gampaha	989	813	1802
Hambantota	75	58	133
Jaffna	13	10	23
Kalutara	556	436	992
Kandy	95	57	152
Kegalle	185	136	321
Kilinochchi	4	2	6
Kurunagala	303	312	615
Mannar	8	3	11
Matale	30	30	60
Matara	98	47	145
Monaragala	67	40	107
Mulaitivu	2		2
NuwaraEliya	43	25	68
Polonnaruwa	56	28	84
Puttalam	276	240	516
Rathnapura	267	200	467
Trincomalee	20	26	46
Vavuniya	16	4	20
District N.A	95	94	189
Total	**4794**	**3723**	**8517**



Cancer patients reported to NCI during last three years by District

Province	District	2011	2010	2009
Central	Kandy	152	126	89
	Matale	60	50	50
	NuwaraEliya	68	65	55
Estern	Ampara	98	94	100
	Batticaloa	65	126	164
	Trincomalee	46	55	60
Nothern	Jaffna	23	40	40
	Kilinochchi	6	8	14
	Mannar	11	15	16
	Mulaitivu	2	5	11
	Vavuniya	20	39	104
North Central	Anuradapura	142	169	191
	Polonnaruwa	84	69	69
North Central	Kurunagala	615	564	707
	Puttalam	516	457	504
Sabaragamuwa	Kegalle	321	331	310
	Rathnapura	467	475	677
Southern	Galle	179	184	196
	Hambantota	133	140	128
	Matara	145	155	129
Uva	Badulla	126	131	98
	Monaragala	107	60	71
Western	Colombo	2148	2117	2105
	Kalutara	992	878	950
	Gampaha	1802	1721	1697
	District Not N.A	189	150	168
Total		8517	8224	8703