



HOSPITAL BASED CANCER REGISTRY

**District General Hospital Kegalle
2020**

A joint publication of District General Hospital – Kegalle and National Cancer Control Programme, Ministry of Health
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For further information

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Hospital Based Cancer Registry – District General Hospital Kegalle

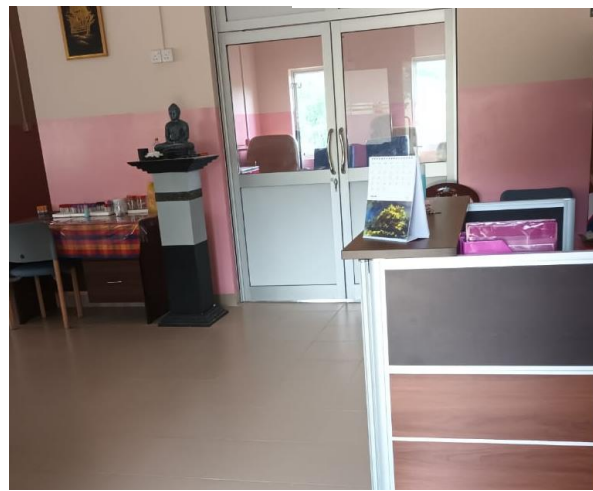
1.Introduction

District General Hospital (DGH) Kegalle is the main government hospital located in the district of Kegalle of Sabaragamuwa province in Sri Lanka. Oncology unit at DGH Kegalle was commenced initially as an oncology clinic in year 2016 at the premises of medical clinics. Later Oncology unit was established in year 2021 with a dedicated oncology clinic and space for commencing day chemotherapy facilities.

Hospital Based Cancer Registry provides information on cancer patients registered at the cancer treatment unit of the hospital. Establishing hospital-based cancer registries in all cancer treatment centres and ensure reporting to national cancer registry was identified as a strategic direction 6.4 of National Strategic Plan on Prevention and Control of Cancer in Sri Lanka 2020-2024. Therefore, each cancer centre is encouraged to generate Hospital Based Cancer Registry report for each year commencing from year 2020.



DGH Kegalle



Oncology Unit – DGH

Each patient registered at the oncology clinic; a new patient clinic file is opened. The patient's personal details, tumour details, management details and follow up details are documented at the paper-based clinic file. Since medical records are not electronic based, relevant details for the hospital-based cancer registry need to be extracted from the clinic file. To facilitate data extraction, 'National Cancer Surveillance Form – H 1256' is introduced in year 2015 through the circular issued by the Director General of Health Services.

Can Reg 5 database which was developed by the International Agency for Research on Cancer (IARC) of World Health Organization was introduced to each cancer treatment centre in Sri Lanka in year 2020 for surveillance of cancers.

NATIONAL CANCER SURVEILLANCE FORM H 1256

Hospital / Institute: _____ Clinic File No. _____

Consultant: _____ Date of Registration: Y Y Y Y M M D D

මහලු වැසියාගේ විස්තර
ප්‍රධාන වෛද්‍යවරයා විසින්
ප්‍රධාන වෛද්‍යවරයා
Patient Details

මවුගේ නම / Full Name: _____

වයස / Age: _____ දින / මාස / වර්ෂ / Date of Birth: Y Y Y Y M M D D

ස්ත්‍රී / පුරුෂ / Male / Female
 1. පුරුෂ / Male _____
 2. මවු / Female _____

වෛද්‍ය සංග්‍රහණය / National Identity Card No.: _____

සුරැකුම් ලේඛන / Permanent Address: _____

දුරකථන අංකය / Telephone No.: _____

විද්‍යාල නම / District: _____

වෛද්‍ය නිලධාරීන්ගේ විස්තර / Divisional Secretariat Division: _____

වෛද්‍ය නිලධාරීන්ගේ විස්තර / Grama Niladari Division: _____

වෛද්‍ය විද්‍යාල / Ethnic Group:
 1. සිංහල / Sinhala _____
 2. මලේ / Tamil _____
 3. මුස්ලිම් / Moor _____
 4. වෙනත් / Other _____

ආගම / Religion:
 1. බුද්ධ ධර්මය / Buddhist _____
 2. ක්‍රිස්තියානි / Christian _____
 3. හින්දු / Hindu _____
 4. ඉස්ලාම් / Islam _____
 5. වෙනත් / Other _____

විවාහ තත්වය / Marital Status:
 1. විවාහිත / Unmarried _____
 2. විවාහිත / Married _____
 3. විවාහ විසඳුවා / Divorced _____
 4. වැඩිමහලා / Widowed _____
 5. වෙන් වී ජීවත් වන්නා / Separated _____

වෛද්‍යයාගේ විවේචනය / Has any family member suffered from cancer?
 Yes: _____ No: _____

වෛද්‍යයාගේ විවේචනය / Relationship: _____

වෛද්‍යයාගේ විවේචනය / Site of Cancer: _____

වෛද්‍යයාගේ විවේචනය / Hospital Referred: _____

Tumour Details

Primary Site of Cancer (Topography) _____ ICD Code _____

Histology (Morphology) _____ ICD Code _____

Behaviour
 (1) Benign
 (2) Uncertain Behaviour
 (3) Malignant Primary Site
 (4) Malignant Metastatic Site

Differentiation / Grade-
 (1) Well / Low Grade / Grade I
 (2) Moderate / Intermediate Grade / Grade II
 (3) Poor / High Grade / Grade III
 (4) Undifferentiated / Anaplastic / Grade IV

Laterality
 (1) Not a paired site
 (2) Right
 (3) Left
 (4) Right or Left unknown
 (5) Bilateral Involvement

Most valid basis of diagnosis
 0 Death Certificate Only
 1 Clinical Only (Without Investigations)
 2 Clinical Investigation including X-Ray, USS, CT Etc (Imaging Only)
 3 Exploratory Surgery (Without histology eg. Laparotomy)
 4 Specific Biochemical / Immunological test only (eg. PSA)
 5 Cytology / Hematology Only
 6 Histology of Metastasis
 7 Histology of Primary
 8 Autopsy with concurrent histology
 9 Unknown

TNM Status
 T _____ N _____ M _____

Clinical Staging (Choose the correct stage from the list below and enter the code)

Stage	(1) 0	(2) I	(3) IA	(4) IA1	(5) IA2	(6) IB	(7) IB 1	(8) IB2
Stage I								
Stage II		(9) II	(10) II A	(11) II B				
Stage III		(12) III	(13) III A	(14) III B	(15) III C			
Stage IV		(16) IV	(17) IV A	(18) IV B	(19) IV C			

Clinical Staging / risk categorization (for Haematological malignancies) _____

Multiple Primary (Separate forms need to be filled)
 Site: _____ Histology: _____ Date of Diagnosis: Y Y Y Y M M D D

Recurrence
 Site: _____ Date of recurrence: Y Y Y Y M M D D

Treatment:
 1. Cancer directed surgery: _____
 2. Radiotherapy: _____
 3. Chemotherapy: _____
 4. Hormone therapy: _____
 5. Other: _____

Remarks: _____

Referred to: _____

Date of last contact: Y Y Y Y M M D D Status as at last contact: Alive _____ Dead _____

Name: _____ Signature: _____

(This form was developed by the NCCP in consultation with the cancer treatment centres.)

Figure 1.2: 'National Cancer Surveillance Form – H 1256'

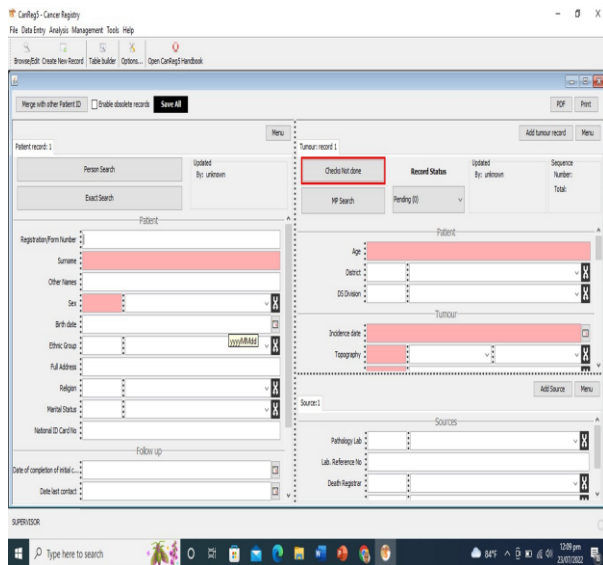
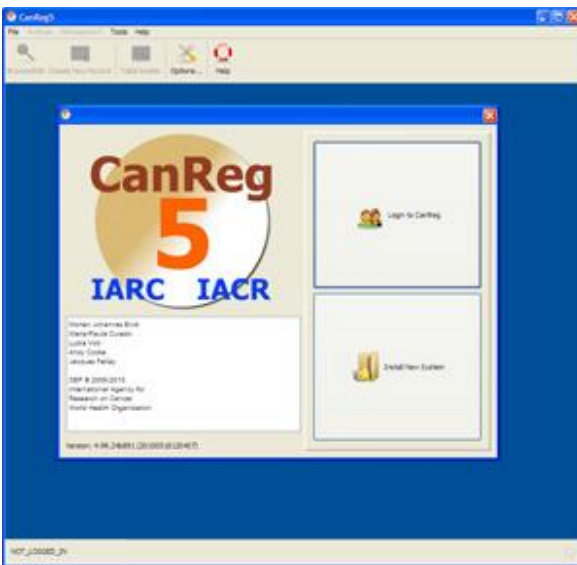


Figure 1.3: 'CanReg 5 data base' for the surveillance of cancers

2. Methodology

The details of newly registered cancer patients in year 2020, entered into the CanReg5 data base were extracted to generate first Hospital Based Cancer Registry Report of DGH Kegalle. Completeness and quality of data were verified.

Analysis was conducted using Can Reg analysis facility of Can Reg 5 database, MS Excel and SPSS software.

3.Results

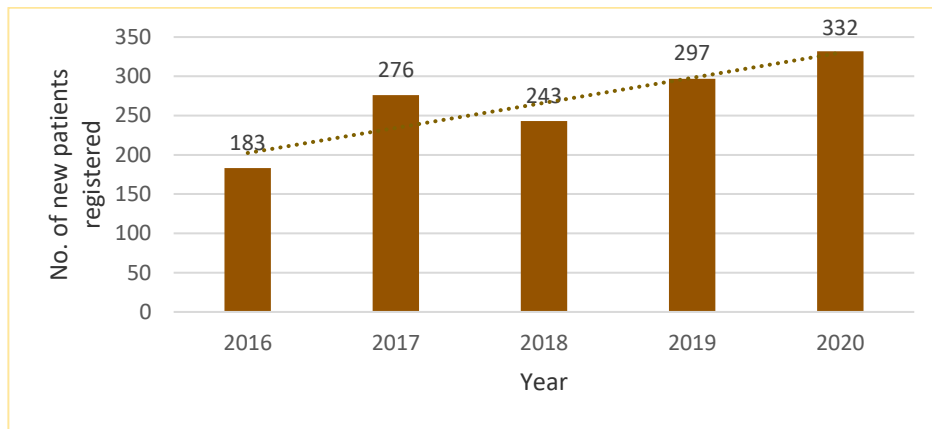
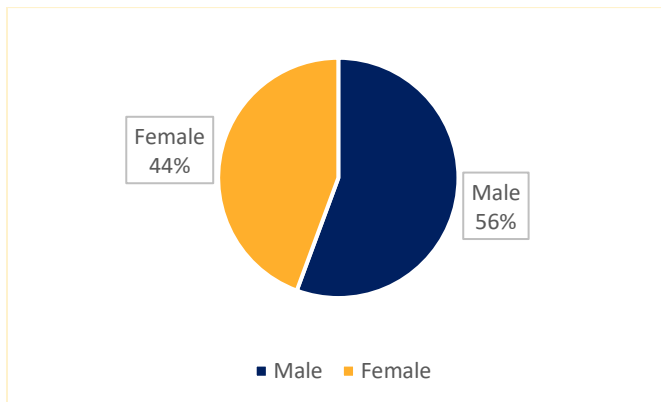


Figure 3.1: Number of newly registered cancer patients at the Oncology Unit, District General Hospital, Kegalle 2016-2020

Out of **332** new patient registration, **320 (96.4%)** patient records were available for data extraction



	Frequency	Percentage
Male	178	56%
Female	142	44%
Total	320	100.0

Figure 3.2: Distribution of newly registered cancer patients at the Oncology Unit, DGH Kegalle in year 2020 according to sex (n = 320)

Table 3.1: Distribution of newly registered cancer patients at the Oncology Unit DGH Kegalle in year 2020 according to 5-year age groups (n = 320)

Age group	Sex		Total	
	Male	Female	No.	%
0-4	0	1	1	0.3
5-9	0	0	0	0
10-14	0	0	0	0
15-19	0	0	0	0
20-24	0	0	0	0
25-29	1	0	1	0.3
30-34	2	7	9	2.8
35-39	12	5	17	5.3
40-44	7	7	14	4.4
45-49	6	12	18	5.6
50-54	13	21	34	10.6
55-59	28	20	48	15.0
60-64	30	12	42	13.1
65-69	29	22	51	15.9
70-74	22	18	40	12.5
75 +	28	17	45	14.1
Total	178	142	320	100.0

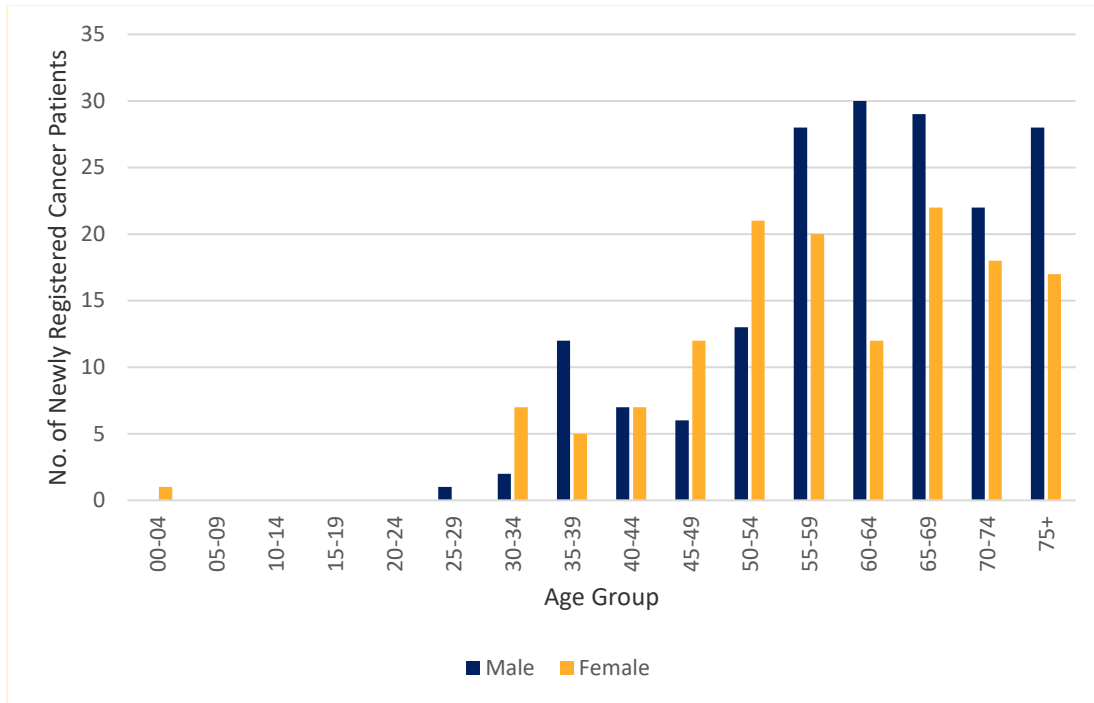


Figure 3.3: Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to 5-year age groups (n = 320)

Table 3.2: Distribution of newly registered cancer patients at the Oncology Unit, DGH Kegalle in year 2020 according to the Ethnicity (n = 320)

Ethnicity	Male	Female	Total
Sinhala	175	142	317
Tamil	1	0	1
Muslim	2	0	2
Total	178	142	320

Table 3.3: Distribution of newly registered cancer patients at the Oncology Unit, DGH Kegalle in year 2020 according to the district (n = 320)

District	Frequency	Percent
Kegalle	320	100.0
Other districts	0	0
Total	320	100.0

Table 3.4: Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to ICD 10 site of cancer (n = 320)

ICD 10 site of Cancer	Male	Female	Total
C0-C06 Lip, Tongue & Mouth	48	30	78
C07-08 Salivary Glands	2	0	2
C09-C14 Pharynx	20	5	25
C15 Oesophagus	10	8	18
C16 Stomach	2	2	4
C17 Small Intestine	2	1	3
C18-C20 Colon & Rectum	12	10	22
C21 Anus & Anal canal	0	0	0
C22 Liver	1	1	2
C23 -C24 Gall bladder	0	0	0
C25 Pancreas	0	0	0
C31 Accessory sinuses	0	2	2
C32 Larynx	1	0	1
C33, C34 Trachea, Bronchus & Lung	14	8	22
C38 Heart, Mediastinum & Pleura	4	0	4
C40- C41 Bone	3	2	5
C43-C44 Skin	0	1	1
C45 Mesothelioma	0	0	0
C47 & C49 Connective & soft tissue	2	1	3
C50 Breast	7	31	38
C51 Vulva	0	0	0
C52 Vagina	0	0	0
C53 Cervix	0	3	3
C54 - C55 Uterus	0	2	2
C56 Ovary	0	3	3
C57 Other female genital tract	0	0	0
C60 Penis	1	0	1
C61 Prostate	7	0	7
C62 Testis	1	0	1
C63 Other male genital organs	2	0	2
C64 Kidney	0	1	1
C67 Bladder	4	1	5
C69 Eye	0	0	0
C70 -C72 Brain & nervous tissue	6	2	8
C73 Thyroid	10	19	29
C74 Adrenal Gland	1	0	1
C75 Other endocrine glands	2	1	3
C90 Multiple Myeloma	0	1	1
C26,C48,C76,C80 Other & Unspecified	15	6	21
Total	178	142	320

4. Key Findings

A total of 332 cancer patients were registered at the Oncology Unit of District General Hospital Kegalle in year 2020.

Out of 332 total newly registered cancer patients, 320 (96.3%) patient records were available for generating of this report. The other 12 patients who were referred from other cancer units, were registered to provide chemotherapy drugs during the Covid 19 epidemic.

A total of 178 male (56%) cancer patients and 142 (44%) female cancer patients were among those patient records available.

Highest proportion (15.9%) of patients were from 65-69 age group.

Out of the total number of patients, 99.7 % were from Kegalle district.

Highest number of cancers among males were Lip, tongue and mouth (n=48), Pharynx (n=20) and lung cancer. (n=14)

Highest number of cancers among females were Breast (n=31), Lip, tongue and mouth (n=30) and thyroid (n=19).

5. Recommendations

The report will be helpful for planning of human resources and physical resources for oncology care at DGH Kegalle.

Additional details like clinical staging at the point of diagnosis need to be entered to the data base and relevant information need to be published.

Since almost all patients were from the district of Kegalle the report needs to be shared with Regional Director of Health Services (RDHS) Kegalle for further strengthening prevention, early detection of cancers and follow up care cancer patients in the field.

Since Lip, tongue and mouth cancers were highest reported cancer among males and second highest cancer among females, priority should be given for prevention & early detection of oral cancers in Kegalle district.

6. Annex

Pathology Laboratory Based Cancer Surveillance Year 2020 - DGH Kegalle

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Histopathology	46	40	40	9	43	47	38	48	37	30	30	32	440
Haematology	1	1	12	2	2	2	12	2	2	1	3	1	41

Source: Histopathology / Haematology Laboratory Surveillance Reports received from DGH Kegalle

Surveillance of cancers through the OMF Unit, DGH Kegalle Year 2020

Number of cancers reported – 54

Source: Cancer return, OMF Unit DGH Kegalle

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