



HOSPITAL BASED CANCER REGISTRY

DGH Monaragala 2020

A joint publication of District General Hospital – Monaragala and National Cancer Control Programme, Ministry of Health

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Hospital Based Cancer Registry – District General Hospital Monaragala

Part 1: Surveillance of cancers at the oncology unit

Introduction

District General Hospital (DGH) Monaragala is the main government hospital located in the district of Monaragala of Uva province in Sri Lanka. Oncology unit at DGH Monaragala commenced initially as an oncology clinic in year 2016. The day chemotherapy unit was commenced in year 2020. Palliative care service was also expanded to provide extended homebased palliative care services liaising with Regional Directorate of Health Services Monaragala.

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.



District General Hospital - Monaragala



Oncology Clinic



Day chemotherapy unit

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 extraction, 'National Cancer Surveillance Form – H 1256' is introduced in year 2015 through the circular(01-33/2015) 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.

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 Monaragala. Completeness and quality of data were verified.

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

Results

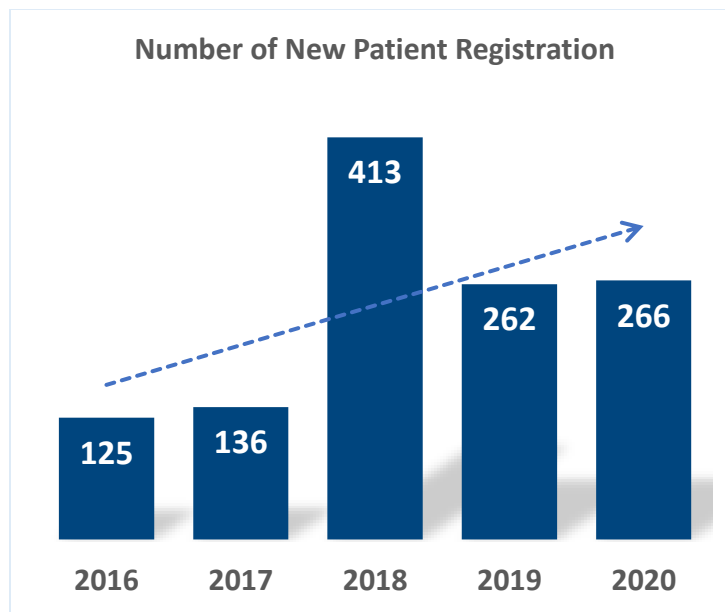
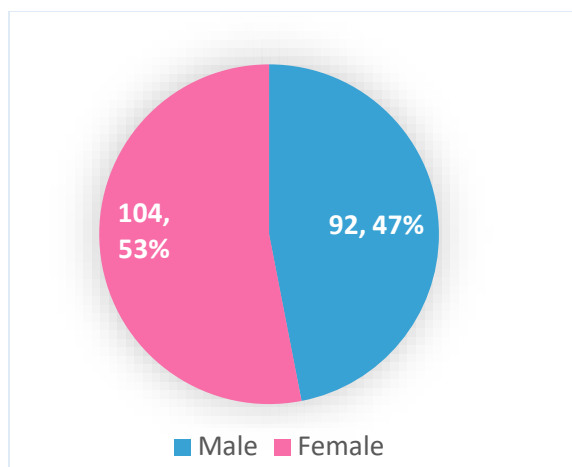


Figure 1.4: Number of newly registered cancer patients at the Oncology Unit, District General Hospital, Monaragala 2016-2020

Out of **266** new patient registration, **196 (73.6%)** patient records were available



	Frequency	Percentage
Male	92	46.9
Female	104	53.1
Total	196	100.0

Figure 1.5: Distribution of newly registered cancer patients at the Oncology Unit, DGH Monaragala in year 2020 according to sex (n = 196)

Table 1.1: Distribution of newly registered cancer patients at the Oncology Unit DGH Monaragala in year 2020 according to 5 year age groups (n = 196)

Age group	Sex		Total	
	Male	Female	No.	%
0-4	1	0	1	0.5
5-9	2	0	2	1.0
10-14	2	1	3	1.5
15-19	1	0	1	0.5
20-24	1	2	3	1.5
25-29	1	7	8	4.1
30-34	0	5	5	2.6
35-39	5	5	10	5.1
40-44	4	15	19	9.7
45-49	2	4	6	3.1
50-54	16	15	31	15.8
55-59	4	6	10	5.1
60-64	20	13	33	16.8
65-69	13	10	23	11.7
70-74	9	4	13	6.6
75 +	11	17	28	14.3
Total	92	104	196	100.0

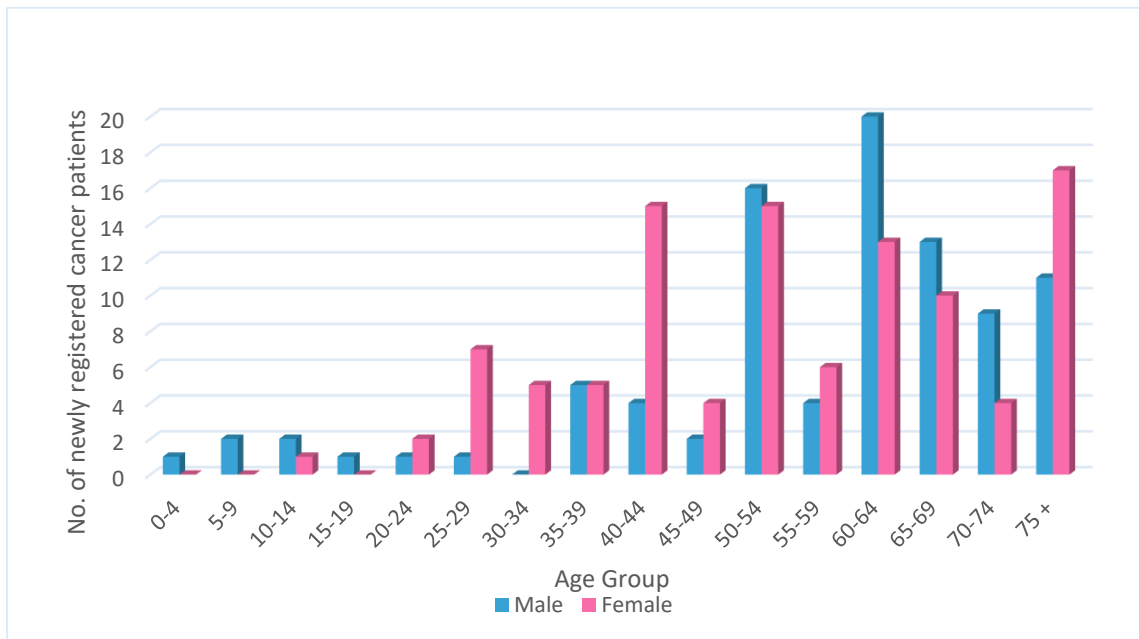


Figure 1.6: Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to 5 year age groups (n = 196)

Table 1.2: Distribution of newly registered cancer patients at the Oncology Unit, DGH Monaragala in year 2020 according to the district (n = 196)

District	Frequency	Percent
Monaragala	191	97.4
Badulla	1	0.5
Ampara	1	0.5
Rathnapura	1	0.5
Not known	2	1.0
Total	196	100.0



Figure 1.7: Distribution of newly registered cancer patients at the Oncology Unit, DGH Monaragala in year 2020 according to the district (n = 196)

Table 1.3: Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to ICD 10 site of cancer (n = 196)

ICD 10 site of Cancer	Male	Female	Total
C0-C06 Lip, tongue & Mouth	14	4	18
C07-08 Salivary Glands	1	0	1
C09-C14 Pharynx	2	0	2
C15 Oesophagus	12	4	16
C16 Stomach	1	1	2
C18-C20 Colon & Rectum	8	8	16
C21 Anus & Anal canal	0	0	0
C22 Liver	0	0	0
C23 -C24 Gall bladder	0	0	0
C25 Pancreas	1	1	2
C31 Accessory sinuses	0	0	0
C32 Larynx	5	1	6
C34 Lung	11	3	14
C37 Thymus	0	1	1
C40- C41 Bone	2	0	2
C43-C44 Skin	5	8	13
C45 Mesothelioma	0	0	0
C47 & C49 Connective & soft tissue	0	1	1
C48 Peritoneum & Retroperitoneum	0	0	0
C50 Breast	0	20	20
C51 Vulva	0	2	2
C52 Vagina	0	1	1
C53 Cervix	0	7	7
C54 - C55 Uterus	0	1	1
C56 Ovary	0	6	6
C57 Other female genital tract	0	1	1
C60 Penis	0	0	0
C61 Prostate	6	0	6
C62 Testis	1	0	1
C64 Kidney	1	0	1
C67 Bladder	2	0	2
C69 Eye	0	0	0
C70 -C72 Brain & nervous tissue	4	1	5
C73 Thyroid	6	26	32
C74 Adrenal Gland	1	1	2
C76, C80 Other & Unspecified	1	0	1
C81 Hodgkin Lymphoma	0	0	0
C82-C85, C96 Non-Hodgkin Disease	3	1	4
C90 Multiple Myeloma	1	1	2
C91 Lymphoid Leukaemia	1	1	2
C92- C94 Myeloid Leukaemia	0	1	1
C95 Leukaemia unspecified	3	2	5
Total	92	104	196

Key Findings

A total of 266 cancer patients were registered at the Oncology Unit of District General Hospital Monaragala in year 2020.

Out of 266 total newly registered cancer patients, 196 (73.6%) patient records were available for generating of this report.

A total of 92 male (46.9%) cancer patients and 104 (53.1%) female cancer patients were among those patient records available.

Highest proportion (16.8%) of patients were from 60-64 age group.

Out of the total number of patients, 97.4 % were from Monaragala district.

Highest number of cancers among males were Lip, tongue and mouth (n=14), Oesophagus (n=12) and lung cancer. (n=11)

Highest number of cancers among females were Thyroid (n=25), Breast (n=20) and colon & rectum (n=8).

Recommendations

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

Maximum efforts need to be taken to ensure 100% coverage since details of 70 patients (26.46%) were not available for year 2020.

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

Part 2: Pathology Laboratory Based Cancer Surveillance

In addition to the surveillance of cancers at the Oncology Unit (Point of comprehensive treatment), surveillance of cancers is conducted at the point of diagnosis at each cancer centre. Since the main source of diagnosis is pathology laboratories, newly diagnosed cancers at the histopathology and haematology laboratories through the Cancer Return Form 1 (H 1290)

Table 2.1 Pathology Laboratory Based Cancer Surveillance in Year 2020 at DGH Monaragala

Laboratory	Month												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Histopathology	19	11	20	21	16	12	20	29	21	26	21	16	232
Haematology	1	1	1	0	2	2	0	2	2	1	2	2	16

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