



HOSPITAL BASED CANCER REGISTRY

District General Hospital Nuwaraeliya
2020

August 2022

For further information

1. Oncology Unit

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E mail-

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1. Introduction

District General Hospital (DGH) Nuwara Eliya is the main government hospital located in the district of Nuwaraeliya of Central province in Sri Lanka. Oncology unit at DGH Nuwara Eliya commenced initially as an oncology clinic in year 2015. Later day chemotherapy unit and palliative care clinic was commenced in year 2018. Palliative care clinic was expanded to provide extended home based palliative care services.

Oncology ward was commenced in year 2021 with 20 beds for inward care.

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.



Figure 1.1 : Cancer Unit, District General Hospital, Nuwaraeliya

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 issued by the Secretary Health.

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.

The image displays two parts of the 'National Cancer Surveillance Form - H 1256'. The left part is the 'Patient Details' section, which includes fields for Hospital/Institution, Date of Registration, Patient Name, Age, Sex, and Address. The right part is the 'Tumour Details' section, which includes fields for Histology, Behavior, Differentiation/Grade, Site, and Clinical Staging. The form is designed for data entry and includes various checkboxes and dropdown menus for detailed information.

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

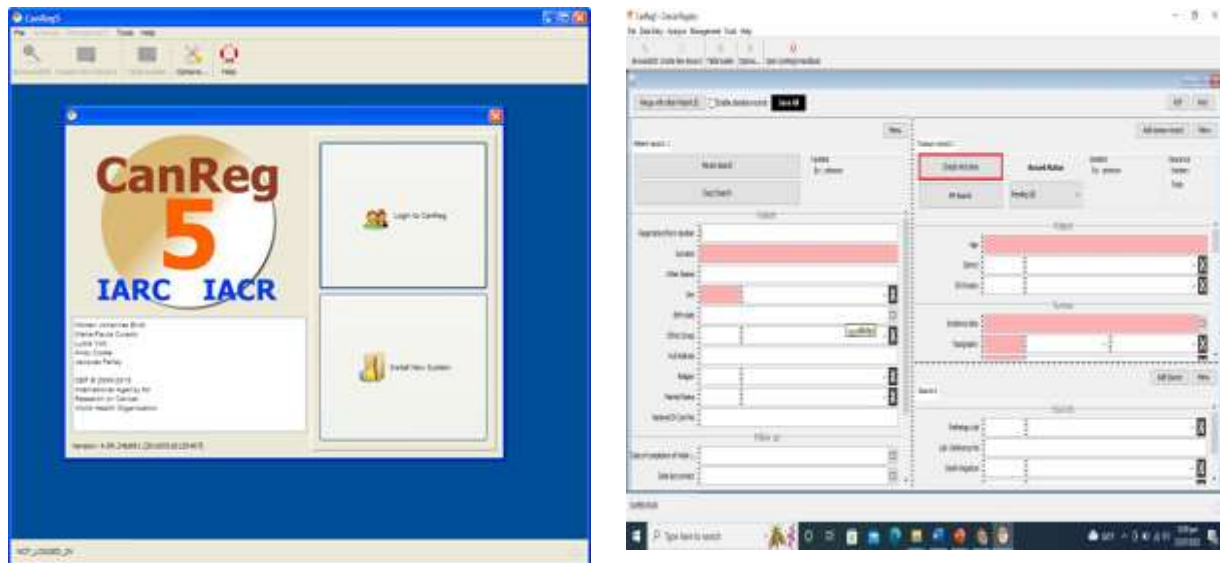


Figure 1.3: 'CanReg 5 data base' for the surveillance of cancers

2. Methodology

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

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

3.Results

A total of 414 new cancer patients were registered at the Oncology Unit at DGH Nuwaraeliya in year 2020.

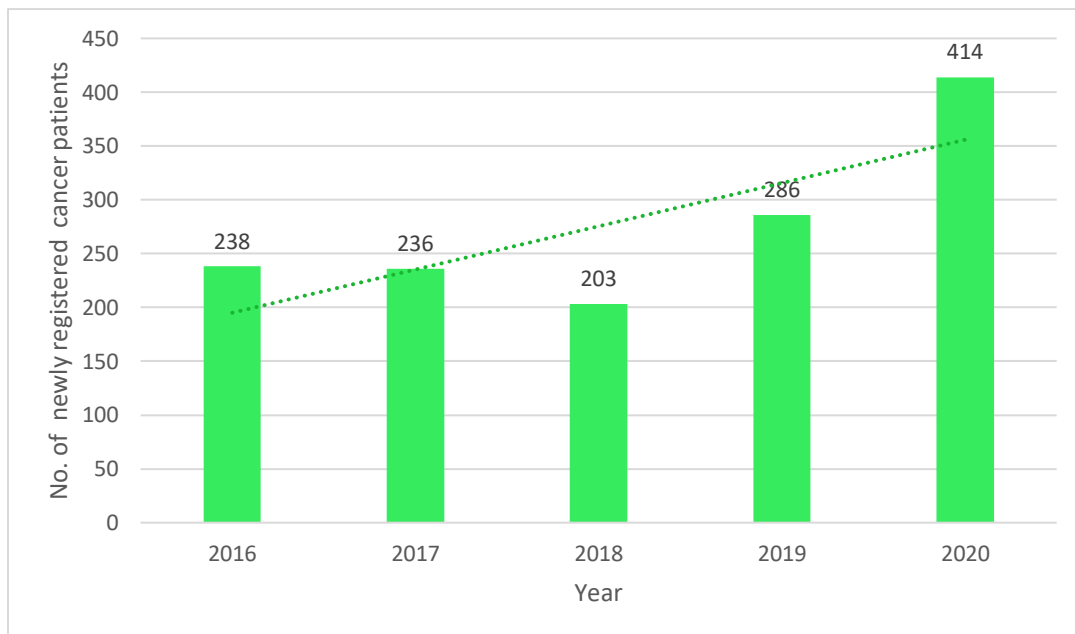


Figure 3.1 : Number of newly registered cancer patients at the Oncology Unit, District General Hospital, Nuwara Eliya 2016-2020

Out of 414 total newly registered cancer patients, 358 (86.4%) patient records were available. Therefore, subsequent analysis was conducted among 358 newly registered patients at the Oncology Unit

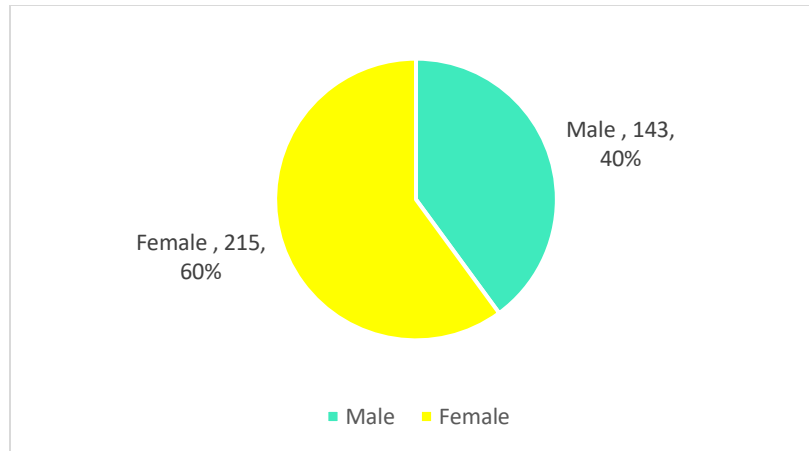


Figure 3.2 : Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to sex (n = 358)

Table 3.1 : Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to 5 year age groups (n = 358)

Age group	Sex		Total	
	Male	Female	No.	%
0-4	1	1	2	0.6
5-9	1	0	1	0.3
10-14	1	1	2	0.6
15-19	2	1	3	0.8
20-24	0	1	1	0.3
25-29	2	3	5	1.4
30-34	3	6	9	2.5
35-39	4	9	13	3.6
40-44	8	11	19	5.3
45-49	4	19	23	6.4
50-54	14	30	44	12.3
55-59	19	38	57	15.9
60-64	26	28	54	15.1
65-69	23	21	44	12.3
70-74	18	26	44	12.3
75 +	17	20	37	10.3
Total	143	215	358	100

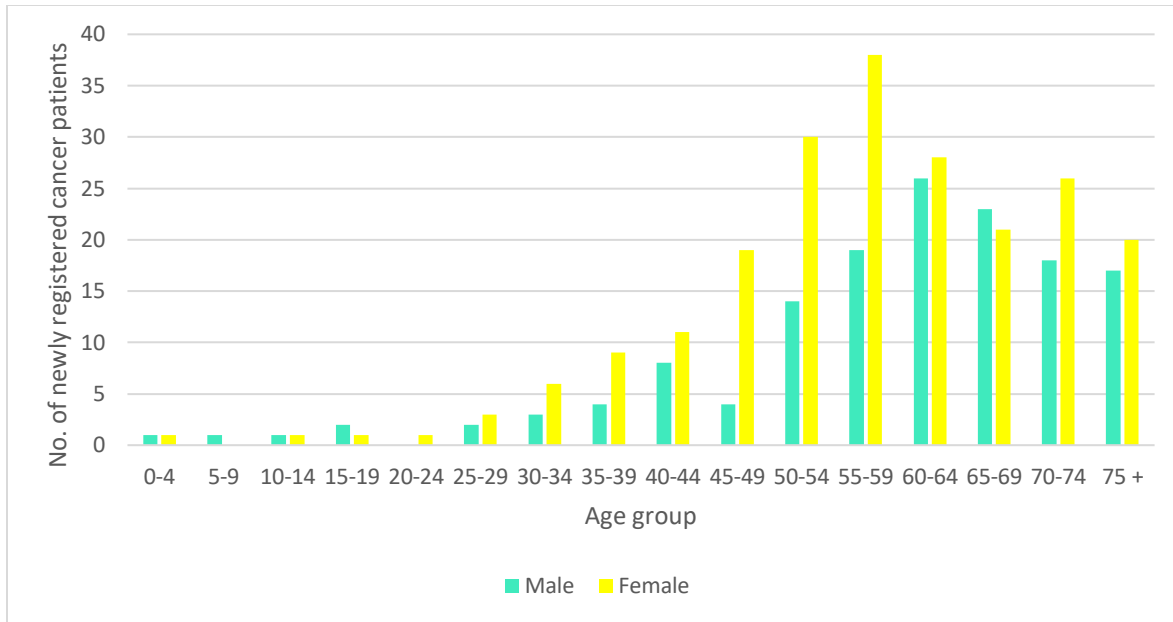


Figure 3.3 : Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to 5 year age groups (n = 358)

Table 3.2 : Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to the district (n = 358)

District	No. of Patients	Percentage
Nuwara Eliya	337	94.1
Badulla	17	4.7
Kandy	2	0.6
Rathnapura	1	0.3
Not known	1	0.3
Total	358	100.0

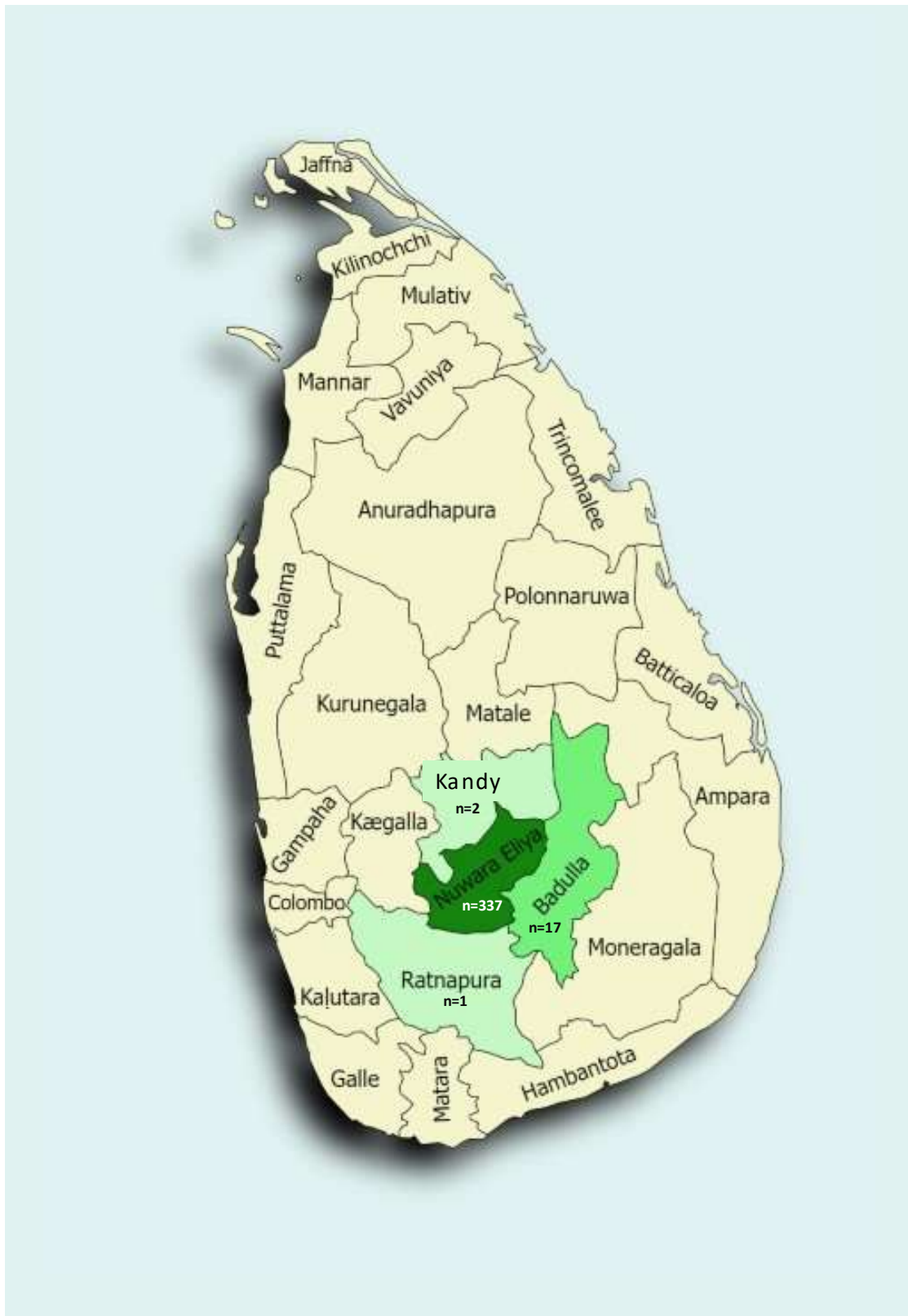


Figure 3.5 : Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to the district (n = 358)

Table 3.3 : Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to ICD 10 site of cancer (n = 358)

ICD 10 site of Cancer	Male	Female	Total
C0-C06 Lip, tongue & Mouth	22	8	30
C09-C14 Pharynx	8	2	10
C15 Oesophagus	13	35	48
C16 Stomach	14	6	20
C18-C20 Colon & Rectum	5	13	18
C22 Anus	1	0	1
C22 Liver	5	3	8
C23 -C24 Gall bladder	3	1	4
C25 Pancreas	5	1	6
C31 Accessory sinuses	0	1	1
C32 Larynx	2	0	2
C34 Lung	10	6	16
C40- C41 Bone	2	3	5
C43-C44 Skin	3	2	5
C45 Mesothelioma	0	1	1
C47 & C49 Connective & soft tissue	1	2	3
C48 Peritoneum & Retroperitoneum	2	0	2
C50 Breast	0	57	57
C51 Vulva	0	1	1
C53 Cervix	0	15	15
C54 - C55 Uterus	0	11	11
C56 Ovary	0	17	17
C57 Other female genital tract	0	3	3
C60 Penis	1	0	1
C61 Prostate	10	0	10
C62 Testis	3	0	3
C64 Kidney	2	1	3
C67 Bladder	6	1	7
C69 Eye	0	1	1
C70 -C72 Brain & nervous tissue	3	1	4
C73 Thyroid	5	10	15
C76, C80 Other & Unspecified	0	3	3
C81 Hodgkin Lymphoma	2	1	3
C82-C85, C96 Non Hodgkin Disease	4	3	7
C90 Multiple Myeloma	4	3	7
C92- C94 Myeloid Leukaemia	3	2	5
C95 Leukaemia unspecified	3	1	4
D46 Myelodysplastic Syndrome	1	0	1
Total	143	215	358

4. Key Findings

A total of 414 cancer patients were registered at the Oncology Unit of District General Hospital Nuwara Eliya in year 2020.

Out of 414 total newly registered cancer patients, 358 (86.4%) patient records were available.

A total of 140 male (40%) cancer patients and 215 (60%) female cancer patients were among those patient records available.

Highest proportion (15.9%) of patients were from 55-59 age group.

Out of the total number of patients, 94 % were from Nuwara Eliya district.

Highest number of cancers among males were Lip, tongue and mouth (n=23), Stomach (n=15) and Oesophagus (n=14).

Highest number of cancers among females were Breast (n=57), Oesophagus (n=35), Ovary (17) and cervix (n=15).

5. Recommendations

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

Maximum efforts need to be taken to ensure 100% coverage since details of 56 patients (13.6%) 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 Nuwara Eliya, the report needs to be shared with Regional Director of Health Services (RDHS) Nuwara Eliya for further strengthening prevention, early detection of cancers and follow up care cancer patients in the field.

Annex

Pathology Laboratory Based Cancer Surveillance Year 2020 - DGH Nuwara Eliya

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Histopathology	26	37	39	26	40	37	33	37	14	32	33	30	384
Haematology	1	3	1	1	nil	2	2	1	1	2	3	3	20

Surveillance of Cancers at the OMF Unit - DGH Nuuwaraeliya

Number of cancers reported in year 2020- 32

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