



HOSPITAL BASED CANCER REGISTRY

District General Hospital Avissawella 2020

Contributors

District General Hospital – Avissawella

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Hospital Based Cancer Registry – District General Hospital Avissawella

1.Introduction

District General Hospital (DGH) Avissawella is located in the district of Colombo closer to the border between Colombo and Rathnapura districts. Earlier it was a type A Base Hospital and was recategorized as a District General Hospital with effect from 01.01.200 .

Oncology unit at DGH Avissawella commenced initially functioned as an oncology clinic in year 2018. Oncology ward commenced in year 2021 with 20 beds for inward care and a day chemotherapy unit.

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 centers to 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.



Oncology Unit – DGH Avissawella

A new patient clinic file is opened for every new patient registered in the oncology clinic. 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’ was 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.

The image shows two pages of the National Cancer Surveillance Form - H 1256. The left page is titled 'National Cancer Surveillance Form' and 'Patient Details'. It contains fields for Hospital/Institute, Clinic File No., Consultant, Date of Registration, Full Name, Age, Sex, Permanent Address, District, Divisional Secretariat, and various marital and family status indicators. The right page is titled 'Tumour Details' and contains fields for Primary Site of Cancer (Topography), Histology (Morphology), Behaviour, Differentiation/Grade, Laterality, Date of diagnosis, TNM status, Clinical staging, Multiple Primary, Recurrence, Treatment, and Date of last contact. It also includes a table for clinical staging and a section for multiple primary sites.

Figure 1.2: ‘National Cancer Surveillance Form – H 1256’

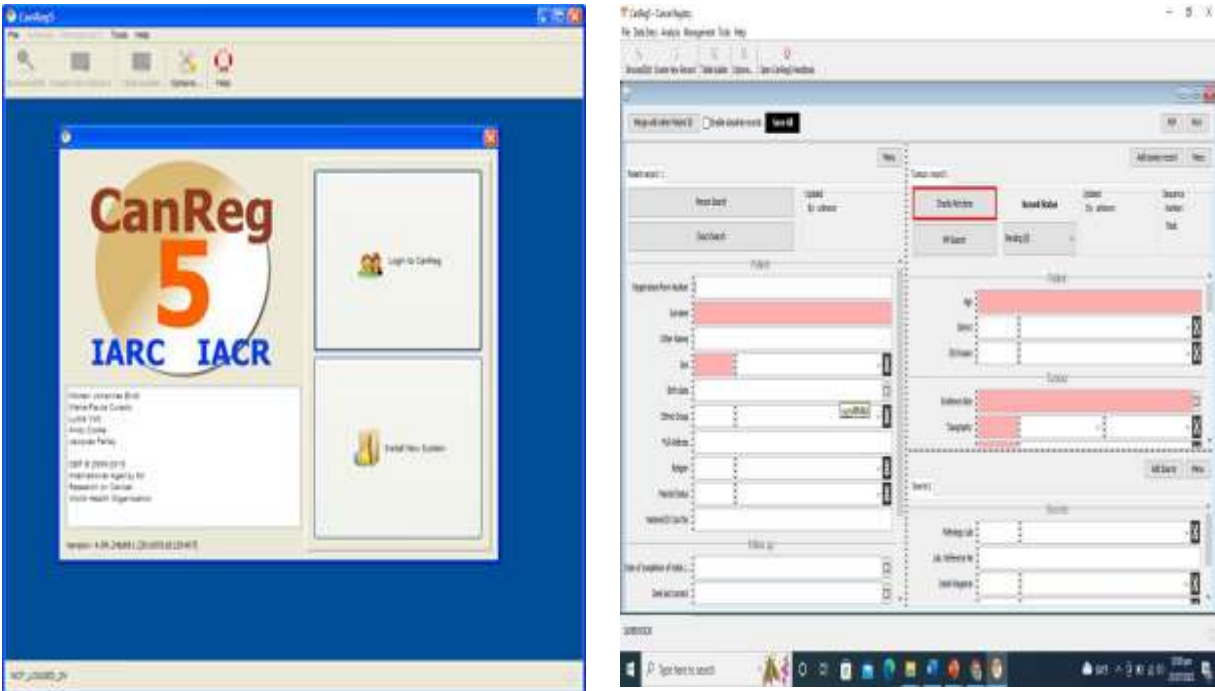


Figure 1.3: 'CanReg 5 data base' for the surveillance of cancers

2. Methodology

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

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

3.Results

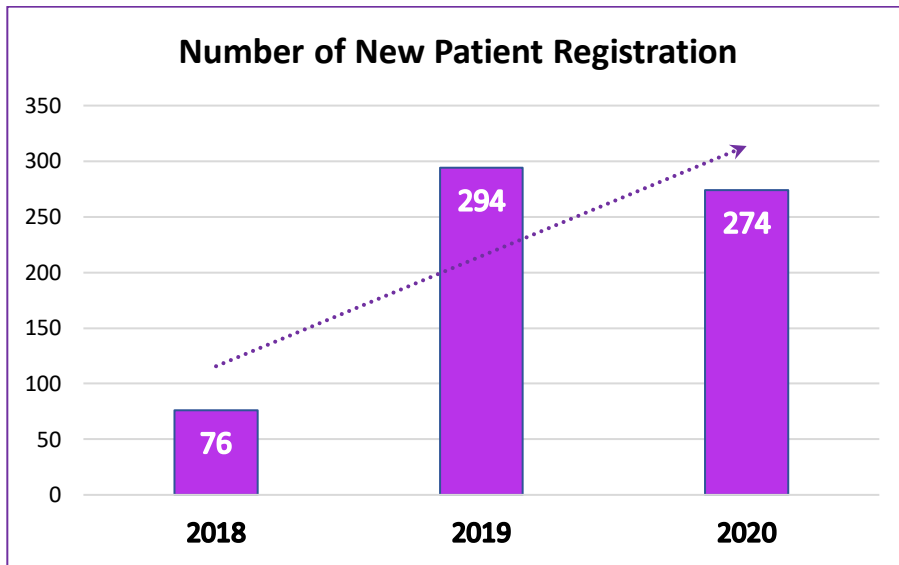
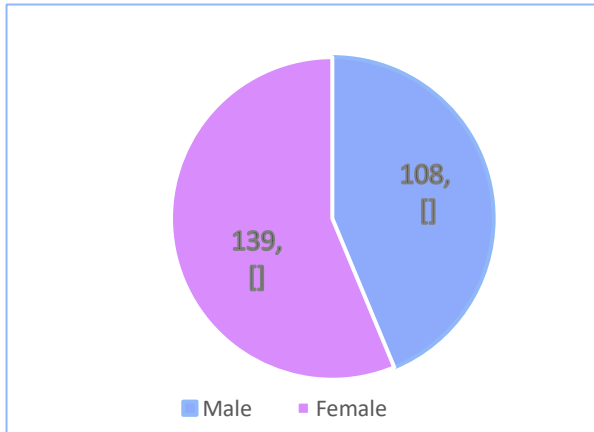


Figure 3.1: Number of newly registered cancer patients at the Oncology Unit, District General Hospital, Avissawella 2018-2020

Out of **274** new patient registration, **247 (90.1%)** patient records were available



	Frequency	Percentage
Male	108	43.7
Female	139	56.3
Total	247	100

Figure 3.2: Distribution of newly registered cancer patients at the Oncology Unit, DGH Avissawella in year 2020 according to sex (n = 247)

Table 3.1: Distribution of newly registered cancer patients at the Oncology Unit DGH Avissawella in year 2020 according to 5-year age groups (n = 247)

Age group	Sex		Total	
	Male	Female	No.	%
Unknown	1	1	2	0.8
00-04	0	0	0	0
05-09	1	0	1	0.4
10-14	0	0	0	0.0
15-19	1	1	2	0.8
20-24	1	5	6	2.4
25-29	0	3	3	1.2
30-34	0	3	3	1.2
35-39	2	14	16	6.5
40-44	3	8	11	4.5
45-49	6	17	23	9.4
50-54	9	11	20	8.2
55-59	24	15	39	15.9
60-64	18	14	32	13.1
65-69	15	17	32	13.1
70-74	14	13	27	11.0
75 +	13	17	30	12.2
Total	108	139	247	100.0

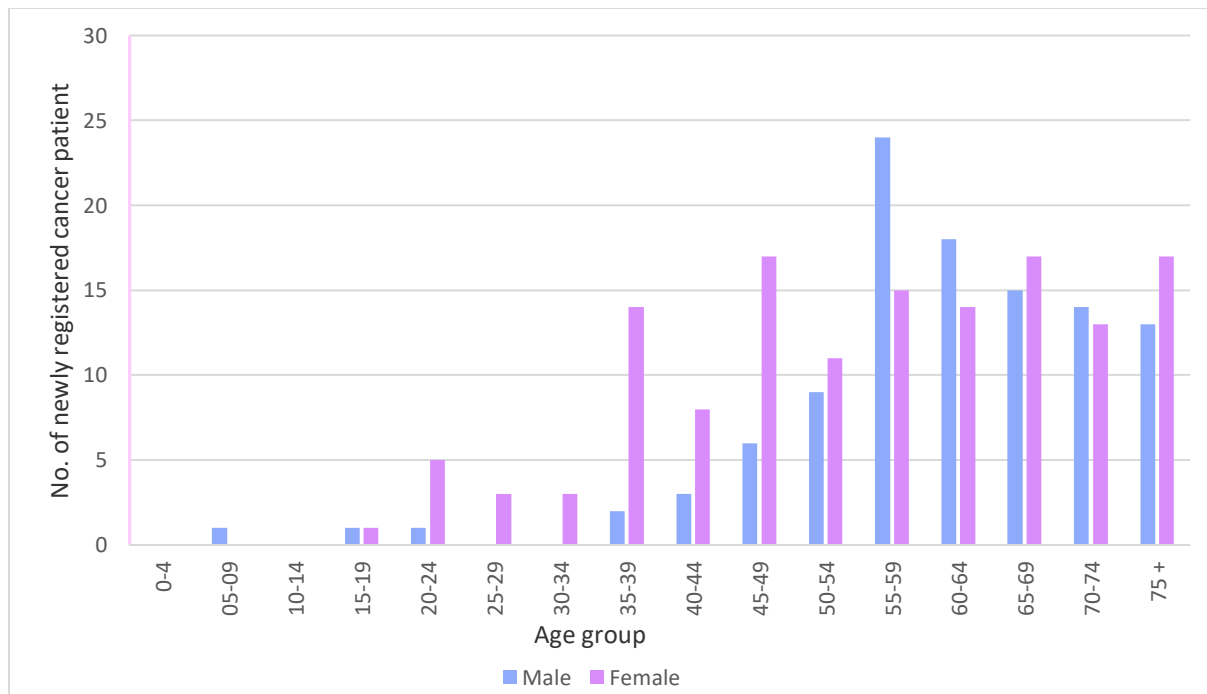


Figure 3.3: Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to 5-year age groups (n = 247)

Table 3.2: Distribution of newly registered cancer patients at the Oncology Unit, DGH Avissawella in year 2020 according to the district (n = 247)

District	Frequency	Percent
Kegalle	121	49.0
Colombo	64	25.9
Rathnapura	38	15.4
Gampaha	16	6.5
Kalutara	3	1.2
Nuwaraeliya	2	0.8
Galle	1	0.4
Not Known	2	0.8
Total	247	100.0

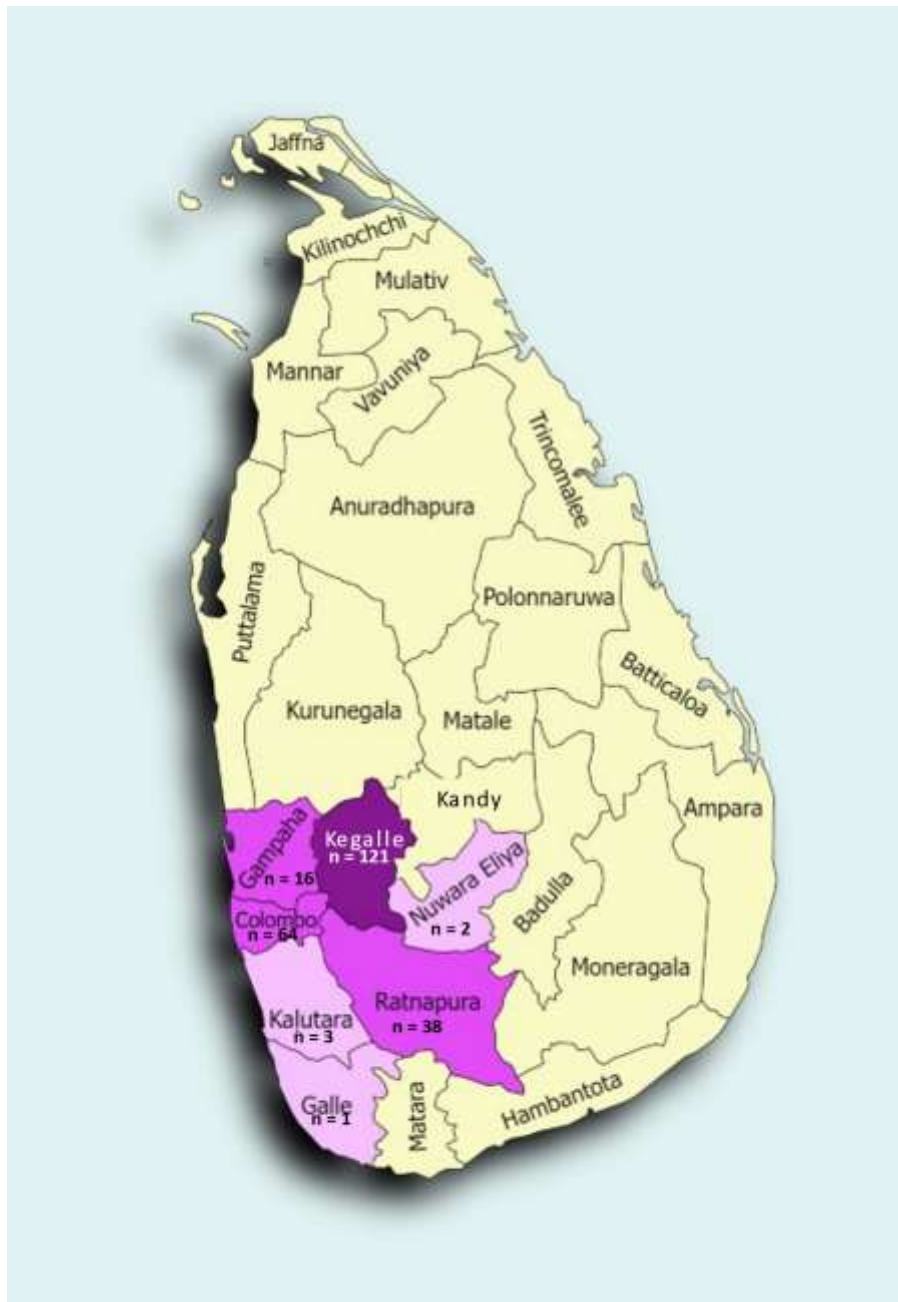


Figure 3.5: Distribution of newly registered cancer patients at the Oncology Unit, DGH Avissawella in year 2020 according to the district (n = 247)

Table 3.3: Distribution of newly registered cancer patients at the Oncology Unit in year 2020 according to ICD 10 site of cancer (n = 247)

ICD 10 site of Cancer	Male	Female	Total
C0-C06 Lip, tongue & Mouth	31	2	33
C07-08 Salivary Glands	2	0	2
C09-C14 Pharynx	9	0	9
C15 Oesophagus	11	9	20
C16 Stomach	2	1	3
C18-C20 Colon & Rectum	9	11	20
C21 Anus & Anal canal	0	1	1
C22 Liver	1	1	2
C23 -C24 Gall bladder	0	2	2
C25 Pancreas	1	1	2
C31 Accessory sinuses	0	0	0
C32 Larynx	10	2	12
C34 Lung	6	1	7
C37 Thymus	0	0	0
C40- C41 Bone	1	1	2
C43-C44 Skin	1	1	2
C45 Mesothelioma	0	0	0
C47 & C49 Connective & soft tissue	1	1	2
C48 Peritoneum & Retroperitoneum	0	0	0
C50 Breast	3	43	46
C51 Vulva	0	0	0
C52 Vagina	0	0	0
C53 Cervix	0	4	4
C54 - C55 Uterus	0	13	13
C56 Ovary	0	7	7
C57 Other female genital tract	0	0	0
C60 Penis	0	0	0
C61 Prostate	5	0	5
C62 Testis	1	0	1
C64 Kidney	0	1	1
C65 Renal Pelvis	0	1	1
C67 Bladder	2	0	2
C69 Eye	0	0	0
C70 -C72 Brain & nervous tissue	0	0	0
C73 Thyroid	3	28	31

ICD 10 site of Cancer	Male	Female	Total
C74 Adrenal Gland	0	0	0
C75 Other Endocrine gland	0	1	1
C76, C80 Other & Unspecified	2	1	3
C81 Hodgkin Lymphoma	3	4	7
C82-C85, C96 Non-Hodgkin Disease	0	0	0
C90 Multiple Myeloma	1	1	2
C91 Lymphoid Leukaemia	1	0	1
C92- C94 Myeloid Leukaemia	1	1	2
D45 Polycythaemia vera	1	0	1
Total	108	139	247

4. Key Findings

A total of 274 cancer patients were registered at the Oncology Unit of District General Hospital Avissawella in year 2020.

Out of 274 total newly registered cancer patients, 247 (90.2%) patient records were available for generating of this report.

A total of 108 male (43.7%) cancer patients and 139 (56.3%) 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, 49.0 % were from Kegalle and 25.9% from Colombo district.

Highest number of cancers among males were Lip, tongue and mouth (n=31), Oesophagus (n=11) and larynx. (n=10)

Highest number of cancers among females were Breast (n=43), Thyroid (n=31) colon & rectum (n=20) and Oesophagus (n=20).

5. Recommendations

Report will be helpful to plan human resources and physical resources for oncology care at DGH Avissawella

Maximum efforts need to be taken to ensure 100% coverage since details of 37 patients (0.8%) 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.

Expedite the process of generation of HBCR 2021 report as early as possible with follow up data.

6. Annex

Pathology Laboratory Based Cancer Surveillance Year 2020 - DGH Avissawella

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Histopathology	15	19	24	6	15	24	24	15	22	16	16	13	209
Haematology	3	2	1	Nil	2	1	1	3	2	2	Nil	2	19

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

OMF Unit - DGH Avissawella

Number of cancers reported - 45

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