



Ministry of Health and
Wellness



World Health Organisation



Mauritius Institute of Health

CANCER

IN THE

REPUBLIC OF MAURITIUS

Incidence and Mortality Study for 2018

Report of the National Cancer Registry

Ministry of Health and Wellness
World Health Organisation
Mauritius Institute of Health

December 2019

FOREWORD



It gives me an immense pleasure to make public the 2018 Annual report of the National Cancer Registry of the Republic of Mauritius.

This is the 30th consecutive year that cancer incidence data are compiled and presented on a yearly basis. Statistics on deaths occurring due to cancer are also included in these reports.

Our cancer registry is amongst the oldest national population-based cancer registries operating in Africa, using multiple sources of cancer data collected from both the public and private medical sectors.

The methodology used in the preparation of this report is in line with International Agency for Research on Cancer (IARC) guidelines and classification system as regards cancer sites and histological types.

According to the Cancer Registry 2018 Report, a decreasing trend in new cases of cancer is noted both in males (1.4 %) and in females (4.5 %) compared to 2017 figures. The main sites of cancer in males are prostate, colorectal and lung and in females breast cancer is by far the commonest site, ahead of colorectal and ovarian cancer.

Data collected by cancer registration is most useful in planning of health care services related to cancer prevention, screening, diagnosis and treatment. Indeed, information from the cancer registry have been fed into the development of successive National Cancer Control Action Plans.

Finally, I wish to put on record the excellent work that has been done in the preparation of this cancer registry report by the team of officers led by Dr S. S. Manraj, Director Laboratory Services.

A handwritten signature in black ink, appearing to read 'Jagutpal'.

Dr the Hon K.K.S. Jagutpal
Minister of Health and Wellness

National Cancer Registry

Annual Report 2018

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1. Dr Kailesh K. Jagutpal, Minister of Health and Wellness
2. Senior Chief Executive, MOHW
3. Dr S. Ramen, Director General Health Services
4. Mrs S. Lotun, Permanent Secretary
5. Mrs R.D Bissessur, Deputy Permanent Secretary
6. WHO Country Office, Port-Louis
7. International Association of Cancer Registries, IACR (Lyon)
8. International Agency for Research on Cancer, IARC (Lyon)
9. African Cancer Registry Network (AFCRN)

Our sincere thanks goes to all units/ departments who have assisted and contributed as sources of data for the registry namely: -

1. Radiotherapy Unit, VH
2. Laboratory archives, CHL
3. Regional hospital Health Records Department
4. Statistics Unit, MOHW
5. The Civil Status Office, Prime Minister's Office
6. Overseas Treatment Unit, MOHW

We are grateful for the continued support of the National Cancer Registry Steering Committee members: -

National Cancer Registry Steering Committee

- Dr S.Ramen, Director General Health Services, MOHW (Chairman)
- Dr B. Ori, Director Health Services
- Dr (Mrs) M. Timol, Director Health Services
- Dr S.S.Manraj, Director, Laboratory Services
- Mrs G.Daby, Executive Director, Mauritius Institute of Health
- Dr (Mrs) S.Sewurn, Consultant-in-Charge (RT), VH
- Dr (Mrs) T. Hemoo, Consultant-in-charge (RT), VH
- Dr A.Mohith, Medical Oncologist, VH
- Mr S.Munohur, Chief Health Records Organiser, MOHQL
- Mr N.Jeeanoody, Chief Statistician, MOHQL

We are grateful to the staff of the MNCR Task Force for coordinating all activities, processing and validating the contents of the report.

National Cancer Registry Task Force

- Dr S.S.Manraj, Chairman & NCR Coordinator, CHL
- Dr (Mrs) S.Sewsum, Consultant-in-Charge, RT
- Dr R.Sewpaul -Sungkur, Specialist/Senior Specialist (Pathology), CHL
- Dr (Mrs) J.N.Fauzee , Specialist/Senior Specialist (Pathology), CHL
- Dr M. Koon Sun Pat, Medical Health Officer/Senior MHO, SSRNH
- Dr A.Mohith, Medical Oncologist, VH
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- Dr K. Bhujawon, Medical Health Officer/Senior MHO, RT
- Mr Nithin Prakash Gukhool, Management Support Officer, CHL
- Mr S.Ramjaun, Senior Health Laboratory Attendant, CHL

We commend the contribution of Mr Nithin Prakash Gukhool for the software administration of the Cancer Registry.

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- Dr S.S Manraj
- Dr P.K Oogarah
- Dr (Mrs) J. Sonoo
- Dr (Mrs) P. Gungadin
- Dr (Mrs) K. Bhujun
- Dr (Mrs) D. Sookmanee
- Dr D. Purmanun

INCIDENCE

EXECUTIVE SUMMARY

Cancer Incidence in the Republic of Mauritius for the year 2018

This report on cancer incidence in the Republic of Mauritius for the year 2018 represents the new cancer cases registered till December 2018 at the Mauritius National Cancer Registry based at Central Health Laboratory, Ministry of Health & Wellness.

The methodology of registration of new cases of cancer has been maintained with multiple sources of data (Radiotherapy patient register, Laboratory archives, Regional hospitals medical in-patient records and also data from private pathologists). Data has been collected for the year 2018 from these sources, checked, processed, coded (using ICD Oncology 3rd edition and ICD 10th edition), and entered in and analysed by CANREG 4 & CANREG 5 software. Compared to year 2017, total new cases of cancer have decreased by 3.3 %, with a decrease of 4.5 % in females, and a decrease of 1.4 % in males have been observed. The main findings are as follows: **2380** new cancer cases were registered. The total number of cancer cases among **males** is **959**.

The five main sites are as follows:

Site	Number	Percentage (%)	ASR (World)
Prostate	191	21.4	25.2
Colorectal	124	12.9	15;.8
Lung	65	6.8	8.1
Stomach	53	5.5	6.8
Liver	44	4.6	5.6

Table 1: Main cancer sites amongst males

Among **females** there were **1421** new cancer cases. The five main sites are as follows:

Site	Number	Percentage (%)	ASR (World)
Breast	570	40.1	62.2
Colorectal	104	7.3	10.6
Ovary	99	7.0	11.2
Uterus	87	6.1	9.4
Cervix uteri	54	3.8	6.1
Lung	54	3.8	5.3

Table 2: Main cancer sites amongst females

Dr. S. S. Manraj

Director Laboratory Services / National Cancer Registry (MNCR) Coordinator

Mauritius National Cancer Registry of Mauritius

Incidence Tables

CanReg5

13/09/2018

2017 (latest table available) Estimated Mid- Year Population for Mauritius &
Rodrigues

Date : 13/09/18

Source : Central Statistics Office Website

Filter :

Standard pop. : World

Ages	Male	Female	World Population
0 - 4	34,388	33,098	: 12000
5 - 9	39,671	38,815	: 10000
10 - 14	47,895	46,380	: 9000
15 - 19	49,953	48,270	: 9000
20 - 24	50,014	49,402	: 8000
25 - 29	45,922	44,677	: 8000
30 - 34	44,580	44,035	: 6000
35 - 39	50,986	49,478	: 6000
40 - 44	43,122	42,106	: 6000
45 - 49	43,836	43,009	: 6000
50 - 54	47,863	48,432	: 5000
55 - 59	40,647	42,079	: 4000
60 - 64	32,860	35,716	: 4000
65 - 69	23,985	28,163	: 3000
70 - 74	13,170	17,462	: 2000
75 - 79	8,376	12,096	: 1000
80 - 84	4,801	8,036	: 500
85 +	3,137	7,013	: 500
Total	625,206	638,267	: 100000

Incidence date range:

From: 01/01/2018

To: 31/12/2018

METHODOLOGY

Data has been collected for 2018 retrospectively and semi reactively from various sources. Primarily the RT patient register, regional hospital records and pathology archives have been used to identify cancer lists. This was complemented with Overseas Training Unit (OTU), private pathologists and finally Civil Status Office (CSO) data on cancer death (DCO cases). Recorded information included diagnosis, topography and morphology, basis of diagnosis and classification using WHO-ICD-O-3 and CANREG-5.

Benign conditions (thyrotoxicosis, keloid, adenomas and foreigners) are excluded. Efforts were done to minimize missing information be it on age, address, ethnic group or primary site unknown by cross-checking data across the multiple sources of cancer information. Population census data available by sex and 5-year age groups have been utilized as denominators to calculate incidence.

HIGHLIGHTS OF THE FINDINGS

Incidence Data

- During the year 2018, 2380 new cancer cases were diagnosed, 959 were among males and 1421 among females. Sex ratio (M/F) for cancer incidence is 0.67
- Among males, prostate cancer (n=191, 19.9%) ranks first ahead of colorectal (n=124, 12.9%) and lung (n= 65, 6.8%) cancers.
- The number of female breast cancer cases (n= 570, 40.1%) is far ahead followed by colorectal (n=104, 7.3%), ovarian (n=99, 7.0 %) and uterus (n= 87, 6.1%) cancer.
- The highest average annual percentage change (AAPC) for the years 2014-2018 in males is pancreas (+23.1%) followed by liver (+16.8%). In females, pancreas cancer (+36.9%) shows highest AAPC followed by liver cancer (+25.5%).
- Compared to year 2017, total new cases of cancer have decreased by 3.3 %, with a decrease of 4.5 % in females, and a decrease of 1.4 % in male have been observed.
- Mean age for cancer incidence for males is 63.3 years and 59.5 years for females.

Mortality Data

- Amongst deaths (all causes) in 2018, 1331 deaths are due to cancer. 654 deaths occurred in males whilst 677 deaths were noted in females. Sex ratio (M/F) for mortality is 0.97
- Prostate cancer (n=99, 15.1%) remains the leading cause of cancer deaths in males, followed by lung (n=94, 14.4%) and colo-rectal cancer (n=80, 12.2%) cancers.
- Breast cancer (n=173, 25.6%) is still the main cause of cancer deaths in females followed by cervix (n=63, 9.3%) and colo-rectal cancer (n=58, 8.6%).
- Mortality/Incidence (MI) ratio is 0.68 for males and 0.48 for females.

Age and sex distribution of cancer

- 45.5 % of all cancers occur in Mauritius of 60 years and above, that is 53.7 Cases for males and 39.9 % cases for females
- 60.1 % of cancers in women occur during their productive years, i.e from 15 to 64 years.
- 46.3 % of cancers in men occur in the age-group of 15 to 64 years.
- 1.1 % of cancer occurs in children of 0 to 14 years of age.

Data Quality Indicators

- Age Unknown accounts for 0.67 % of cases
- Primary Site Unknown is noted for 8.6 % of cases
- For Basis of Diagnosis, Microscopic Verification (MV) occur for 83.0% of cases, while Clinical Investigations (CLIN) occur for 10.6% of cases and Death Certificate Only (DCO) is noted for 6.4% of cases. (for further details, see page 9)

National Cancer Registry of Mauritius (2018)

Data Quality Indicators

MALE

SITE	Cases	% Total	ASR(se)	MV(%)	CLIN(%)	DCO(%)	ICD10
Mouth & pharynx	41	4.28	4.92 (0.78)	100.00	0.00	0.00	C00-14
Oesophagus	16	1.67	1.91 (0.48)	100.00	0.00	0.00	C15
Stomach	53	5.53	6.85 (0.95)	62.26	0.00	37.74	C16
Colon, rectum, anus	129	13.45	16.32 (1.47)	87.60	12.40	0.00	C18-21
Liver	44	4.59	5.55 (0.85)	29.55	43.18	27.27	C22
Pancreas	40	4.17	5.00 (0.80)	22.50	47.50	30.00	C25
Larynx	20	2.09	2.45 (0.55)	100.00	0.00	0.00	C32
Lung, trachea, bronchus	65	6.78	8.10 (1.01)	63.08	0.00	36.92	C33-34
Pleura & other thoracic	1	0.10	0.15 (0.15)	100.00	0.00	0.00	C37-38
Melanoma of skin	5	0.52	0.58 (0.26)	100.00	0.00	0.00	C43
Prostate	191	19.92	25.21 (1.84)	73.30	26.70	0.00	C61
Testis	10	1.04	1.42 (0.46)	100.00	0.00	0.00	C62
Kidney & urinary NOS	21	2.19	2.56 (0.56)	100.00	0.00	0.00	C64-66,68
Bladder	33	3.44	4.26 (0.75)	100.00	0.00	0.00	C67
Brain & nervous system	9	0.94	1.74 (0.63)	100.00	0.00	0.00	C70-72
Thyroid	10	1.04	1.25 (0.40)	100.00	0.00	0.00	C73
Ill-defined	87	9.07	11.30 (1.23)	98.85	1.15	0.00	C76-80
Lymphoma	31	3.23	4.47 (0.85)	100.00	0.00	0.00	C81-85,90,88,96
Leukaemia	37	3.86	5.47 (0.96)	100.00	0.00	0.00	C91-95
All sites but C44	894	93.22	116.00 (3.97)	80.54	11.86	7.61	ALLbC44

FEMALE

SITE	Cases	% Total	ASR(se)	MV(%)	CLIN(%)	DCO(%)	ICD10
Mouth & pharynx	14	0.99	1.55 (0.42)	100.00	0.00	0.00	C00-14
Oesophagus	5	0.35	0.49 (0.22)	100.00	0.00	0.00	C15
Stomach	28	1.97	2.85 (0.55)	82.14	0.00	17.86	C16
Colon, rectum, anus	104	7.32	10.58 (1.06)	91.35	8.65	0.00	C18-21
Liver	24	1.69	2.44 (0.52)	37.50	20.83	41.67	C22
Pancreas	45	3.17	4.83 (0.74)	22.22	48.89	28.89	C25
Larynx	4	0.28	0.44 (0.22)	100.00	0.00	0.00	C32
Lung, trachea, bronchus	54	3.80	5.26 (0.73)	44.44	0.00	55.56	C33-34
Pleura & other thoracic	1	0.07	0.08 (0.08)	100.00	0.00	0.00	C37-38
Melanoma of skin	5	0.35	0.76 (0.36)	100.00	0.00	0.00	C43
Breast	570	40.11	62.19 (2.66)	98.25	1.75	0.00	C50
Cervix	54	3.80	6.08 (0.85)	100.00	0.00	0.00	C53
Corpus & Uterus NOS	87	6.12	9.40 (1.03)	100.00	0.00	0.00	C54-55
Ovary & adnexa	99	6.97	11.24 (1.17)	42.42	57.58	0.00	C56
Kidney & urinary NOS	8	0.56	0.87 (0.31)	100.00	0.00	0.00	C64-66,68
Bladder	13	0.91	1.31 (0.37)	100.00	0.00	0.00	C67
Brain & nervous system	8	0.56	1.14 (0.43)	100.00	0.00	0.00	C70-72
Thyroid	21	1.48	2.55 (0.57)	100.00	0.00	0.00	C73
Ill-defined	114	8.02	12.37 (1.19)	95.61	4.39	0.00	C76-80
Lymphoma	26	1.83	2.87 (0.59)	100.00	0.00	0.00	C81-85,90,88,96
Leukaemia	36	2.53	4.78 (0.90)	100.00	0.00	0.00	C91-95
All sites but C44	1361	95.78	148.56 (4.15)	87.80	7.94	4.26	ALLbC44

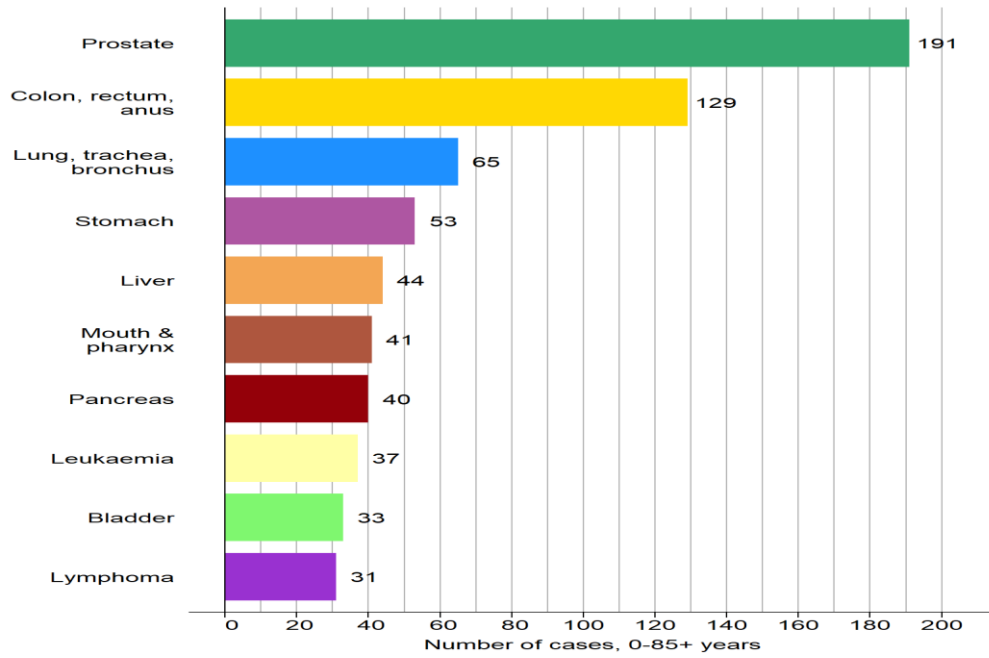
Cases of unknown age (0 M / 0 F) were excluded from these analyses

MOST COMMON SITES FOR NEW CANCER CASES (2018)**REPUBLIC OF MAURITIUS****MALES**

Site	Number	Percentage	ASR(W)/10⁵
Prostate	191	21.4	25.2
Colon/Rectum	124	12.9	16.3
Lungs	65	6.8	8.1
Stomach	53	5.9	6.8
Liver	44	4.9	5.6
Lip, oral cavity, pharynx	41	4.3	4.9
Pancreas	40	4.2	5
Leukaemia	37	3.9	5.5
Bladder	33	3.4	4.3
Lymphoma	31	3.2	4.5
OTHERS	208	21.7	26.9
TOTAL	959	100	124.3

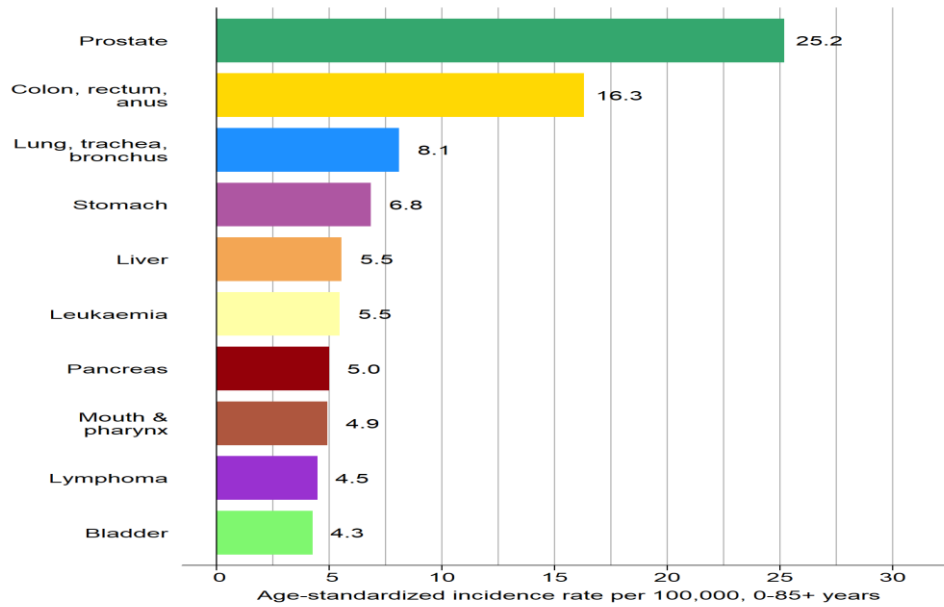
National Cancer Registry of Mauritius (2018)

Top 10 cancer sites
Male



National Cancer Registry of Mauritius (2018)

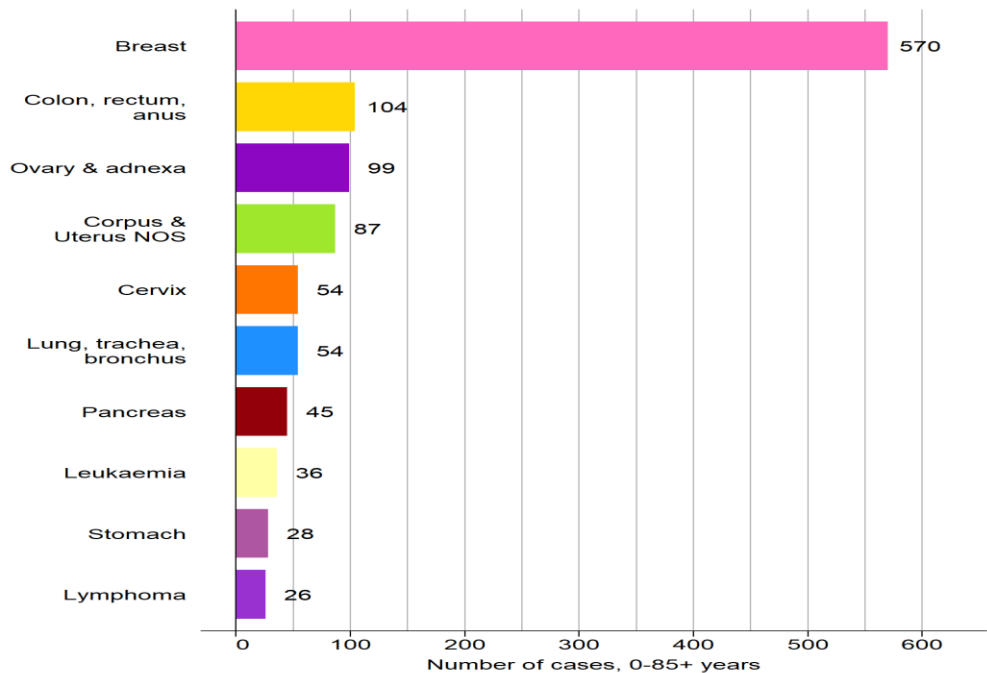
Top 10 cancer sites
Male



MOST COMMON SITES FOR NEW CANCER CASES (2018)**REPUBLIC OF MAURITIUS****FEMALES**

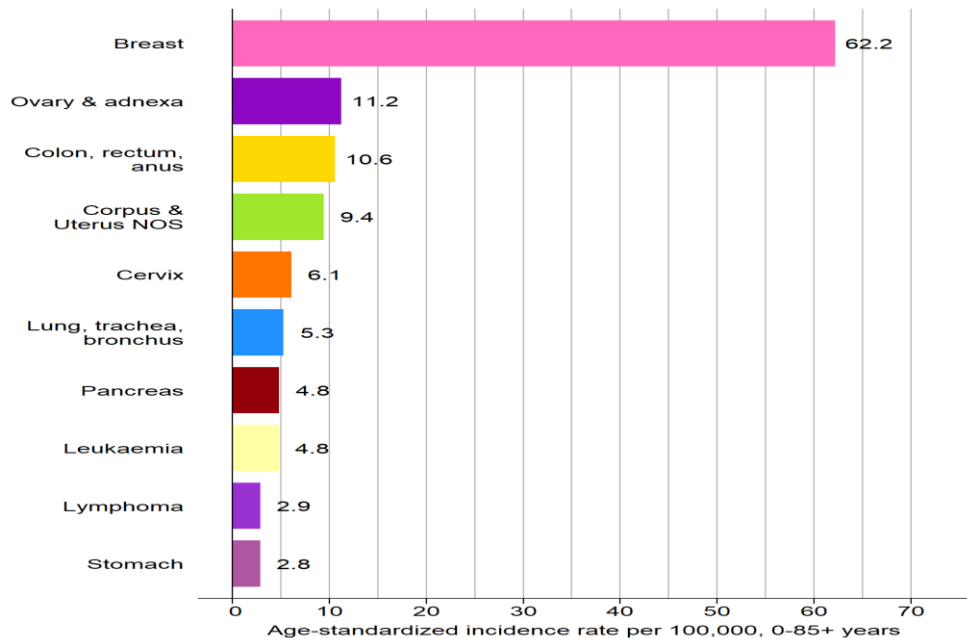
Site	Number	Percentage	ASR(W)/10⁵
Breast	570	40.1	62.1
Colon/Rectum	104	7.3	10.6
Ovary	99	7.0	11.2
Corpus uteri	87	6.1	9.4
Lungs	54	3.8	5.3
Cervix	54	3.8	6.1
Pancreas	45	3.25	4.8
Leukaemia	36	2.5	4.8
Stomach	28	2.0	2.9
Lymphoma	26	1.8	2.9
OTHERS	204	14.4	22.4
TOTAL	1421	100	154.8

Top 10 cancer sites
Female



National Cancer Registry of Mauritius (2018)

Top 10 cancer sites
Female



National Cancer Registry of Mauritius (2018)

CANCER NEW CASES IN MALES BY SITES AND AGE GROUPS IN THE REPUBLIC OF MAURITIUS FOR 2018

ICD (10th)	SITE	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	(%)
C00-14	Lip, Oral Cavity & Pharynx	41	0	0	0	0	2	0	0	1	3	1	2	4	8	9	7	1	1	2	0	4.4
C00	Lip	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.1
C01-02	Tongue	16	0	0	0	0	0	0	0	0	0	0	2	1	5	1	6	1	0	0	0	1.8
C03-06	Mouth	4	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0.4
C07-08	Salivary glands	8	0	0	0	0	1	0	0	1	0	1	0	2	2	1	0	0	0	0	0	0.9
C09	Tonsil	3	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0.3
C10	Other oropharynx	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.1
C11	Nasopharynx	4	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0.4
C12-13	Hypopharynx	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.1
C14	Pharynx unspecified	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0.3
C15-25	Digestive Organs	413	0	2	0	0	0	3	2	6	9	6	18	29	39	86	57	66	42	30	18	46.3
C15	Oesophagus	16	0	0	0	0	0	0	0	0	0	0	2	0	4	5	3	1	0	1	0	1.8
C16	Stomach	53	0	0	0	0	0	1	0	1	1	2	4	2	3	10	6	9	6	4	4	5.9
C17	Small intestine	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	2	0	0.6
C18-20	Colorectal	124	0	1	0	0	0	0	1	2	3	1	4	9	11	26	19	21	14	8	4	13.9
C18	Colon	68	0	1	0	0	0	0	0	0	1	0	2	3	6	15	14	10	9	5	2	7.6
C19-20	Rectum	56	0	0	0	0	0	0	1	2	2	1	2	6	5	11	5	11	5	3	2	6.3
C21	Anus	5	0	0	0	0	0	0	0	0	0	1	0	2	0	2	0	0	0	0	0	0.6
C22	Liver	44	1	0	0	0	0	2	0	1	1	0	1	3	7	6	5	8	4	3	3	4.9
C23-24	Gallbladder etc.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0.2
C25	Pancreas	40	2	0	0	0	0	0	0	0	1	1	3	4	3	9	4	5	4	3	3	4.5
C30-38	Respiratory Systems & Intra-thoracic organs	89	0	0	0	0	1	0	0	0	3	1	5	4	12	8	21	14	15	3	2	9.9
C30-31	Nose, sinuses etc.	3	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0.3
C32	Larynx	20	0	0	0	0	0	0	0	0	0	1	3	1	3	3	6	0	1	1	1	2.2
C33-34	Trachea, bronchus and lung	65	0	0	0	0	0	0	0	0	3	0	2	3	8	5	14	13	14	2	1	7.3
C37-38	Other thoracic organs	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0.1

ICD (10th)	SITE	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	(%)
C40-41	Bone	5	0	0	0	0	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0.6
C43	Melanoma of skin	5	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	0	0	0.6
C44	Other skin	65	1	0	0	0	0	0	1	0	1	3	5	5	7	8	6	8	9	5	7	7.3
C45	Mesothelioma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C46	Kaposi sarcoma	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.1
C47,C49	Connective and soft tissue	8	0	0	0	0	0	0	1	0	0	1	1	2	2	0	0	0	1	0	0	0.9
C50	Breast	16	0	0	0	0	0	0	0	0	0	0	0	2	3	4	2	2	1	0	2	1.8
C60-63	Male genital organs	203	0	0	0	1	0	3	2	1	2	0	2	7	10	22	34	49	33	13	24	22.7
C60	Penis	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0.2
C61	Prostate	191	5	0	0	1	0	0	0	0	0	0	2	6	9	22	32	49	33	13	24	21.4
C62	Testis	10	0	0	0	0	0	3	2	1	2	0	0	0	1	0	1	0	0	0	0	1.1
C63	Other male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C64-68	Urinary Tract	54	0	0	0	0	0	0	0	1	0	3	1	4	2	9	8	6	10	5	5	6
C64	Kidney	19	0	0	0	0	0	0	0	0	0	3	0	2	2	2	4	2	2	2	0	2.1
C65	Renal pelvis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.1
C66	Ureter	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.1
C67	Bladder	33	0	0	0	0	0	0	0	1	0	0	1	2	0	6	3	4	8	3	5	3.7
C68	Other urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C69-72	Eye, Brain & Central Nervous System	9	0	1	3	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	1
C69	Eye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C70-72	Brain, nervous system	9	0	1	3	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	1
C73-75	Thyroid & other endocrine gland	11	0	0	0	0	0	0	1	0	0	1	0	1	1	3	0	1	2	1	0	1.2
C73	Thyroid	10	0	0	0	0	0	0	1	0	0	1	0	1	1	2	0	1	2	1	0	1.1
C74	Adrenal gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C75	Other endocrine	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.1
C81-96	Hematological malignancies	68	0	2	5	2	3	3	3	3	6	1	4	6	4	8	5	4	3	5	1	7.6
C81	Hodgkin disease	5	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0.6
C82-85,C96	Non-Hodgkin lymphoma	14	0	1	0	1	0	0	1	1	1	1	2	1	0	0	0	1	1	2	1	1.6

ICD (10th)	SITE	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	(%)
C88	Immunoproliferative diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C90	Multiple myeloma	12	0	0	0	0	0	0	0	0	1	0	1	2	2	3	2	1	0	0	0	1.3
C91	Lymphoid leukaemia	12	0	1	1	1	1	1	1	2	1	0	0	1	0	2	0	0	0	0	0	1.3
C92-94	Myeloid leukaemia	12	0	0	1	0	0	1	0	0	2	0	1	0	1	0	1	1	1	3	0	1.3
C95	Leukaemia unspecified	13	0	0	2	0	1	0	0	0	1	0	0	2	1	3	2	0	1	0	0	1.5
MPD	Myeloproliferative disorders	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0.3
MDS	Myelodysplastic syndromes	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0.3
O&U	Other and unspecified	89	0	0	0	0	3	1	2	1	1	7	3	6	8	13	15	18	5	5	1	10
ALL	All sites	959	9	4	8	3	10	11	11	11	23	26	38	65	88	146	136	153	108	61	57	107.3
ALLbC44	All sites but C44	894	8	4	8	3	10	11	10	11	22	23	33	60	81	138	130	145	99	56	50	100

CANCER NEW CASES IN FEMALES BY SITES AND AGE GROUPS IN THE REPUBLIC OF MAURITIUS FOR 2018

ICD (10th)	SITE	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	(%)
C00-14	Lip, Oral Cavity & Pharynx	14	0	0	0	0	0	1	0	0	0	0	2	2	1	2	3	1	1	0	1	1
C00	Lip	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0.1
C01-02	Tongue	5	0	0	0	0	0	1	0	0	0	0	1	1	0	0	1	0	1	0	0	0.4
C03-06	Mouth	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.1
C07-08	Salivary glands	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.1
C09	Tonsil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.1
C10	Other oropharynx	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.1
C11	Nasopharynx	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.1
C12-13	Hypopharynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C14	Pharynx unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C15-25	Digestive Organs	315	0	0	0	0	0	1	3	4	8	17	9	33	38	45	41	37	29	30	20	23.4
C15	Oesophagus	5	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	1	0	0.4
C16	Stomach	28	1	0	0	0	0	1	0	0	0	3	0	3	7	0	3	4	2	2	3	2.1
C17	Small intestine	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0.2
C18-20	Colorectal	101	0	0	0	0	0	0	0	1	2	5	3	14	9	16	13	14	8	11	5	7.5
C18	Colon	62	0	0	0	0	0	0	0	0	1	2	2	6	6	12	8	10	6	5	4	4.6
C19-20	Rectum	39	0	0	0	0	0	0	0	1	1	3	1	8	3	4	5	4	2	6	1	2.9
C21	Anus	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0.2
C22	Liver	24	0	0	0	0	0	0	1	1	0	2	0	1	2	4	3	1	4	3	2	1.8
C23-24	Gallbladder etc.	5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0.4
C25	Pancreas	45	0	0	0	0	0	0	2	1	3	2	3	1	7	8	4	3	6	2	3	3.3
C30-38	Respiratory Systems & Intra-thoracic organs	59	0	0	0	0	0	0	0	0	1	0	2	5	8	10	7	8	7	4	7	4.4
C30-31	Nose, sinuses etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C32	Larynx	4	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	1	0	0	0	0.3
C33-34	Trachea, bronchus and lung	54	0	0	0	0	0	0	0	0	0	0	2	3	8	10	7	7	6	4	7	4
C37-38	Other thoracic organs	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.1

ICD (10th)	SITE	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	(%)
C75	Other endocrine	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.1
C81-96	Hematological Malignancies	66	0	2	2	1	2	3	0	3	2	2	3	6	12	6	4	4	8	4	2	4.8
C81	Hodgkin disease	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.1
C82-85,C96	Non-Hodgkin lymphoma	13	0	0	1	0	0	0	0	2	0	0	0	1	6	1	0	0	2	0	0	1
C88	Immunoproliferative diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C90	Multiple myeloma	11	0	0	0	0	0	0	0	0	0	1	0	3	0	1	0	2	2	1	1	0.8
C91	Lymphoid leukaemia	6	0	0	0	0	1	1	0	0	0	1	0	0	2	0	0	0	1	0	0	0.4
C92-94	Myeloid leukaemia	19	1	0	1	1	0	0	0	0	1	0	3	1	2	4	1	1	2	1	1	1.4
C95	Leukaemia unspecified	11	0	2	0	0	1	1	0	0	1	0	0	0	1	0	2	1	1	1	0	0.8
MPD	Myeloproliferative disorders	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.1
MDS	Myelodysplastic syndromes	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0.2
O&U	Other and unspecified	119	0	0	0	0	0	5	3	6	4	4	6	10	16	19	13	9	14	5	5	8.7
ALL	All sites	1421	7	2	4	5	7	15	18	26	61	101	88	168	177	182	176	129	124	71	67	104.4
ALLbC44	All sites but C44	1361	6	2	4	5	6	14	18	25	57	99	85	166	174	178	162	123	113	69	61	100

NATIONAL CANCER REGISTRY (2018)

INCIDENCE PER 100,000 BY AGE GROUP (MALE)

SITE	ALL	AG	0-	5-	1	1	2	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CRU	(%)	CUM64	CUM74	ASR	ICD
Lip	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.	0	0	0	0.16	0.1	0	0	0.1	C00
Tongue	16	0	0	0	0	0	0	0	0	0	0	4.6	2.1	12.	3	25	7.6	0	0	0	2.56	1.8	0.11	0.27	1.9	C01-
Mouth	4	0	0	0	0	0	0	0	0	0	0	0	2.1	2.5	6.1	0	0	0	0	0.64	0.4	0.05	0.05	0.4	C03-	
Salivary glands	8	0	0	0	0	2	0	0	2.2	0	2.3	0	4.2	4.9	3	0	0	0	0	1.28	0.9	0.09	0.09	1	C07-	
Tonsil	3	0	0	0	0	0	0	0	0	2	0	0	0	0	3	0	0	0	20.	0	0.48	0.3	0.03	0.03	0.3	C09
Other	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.	0	0.16	0.1	0	0	0.1	C10	
Nasopharynx	4	0	0	0	0	2	0	0	0	3.9	0	0	0	0	3	0	0	0	0	0.64	0.4	0.04	0.04	0.5	C11	
Hypopharynx	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0.16	0.1	0.02	0.02	0.1	C12-	
Pharynx	3	0	0	0	0	0	0	0	0	0	0	0	0	6.1	4.2	0	0	0	0	0.48	0.3	0.03	0.05	0.4	C14	
Oesophagus	16	0	0	0	0	0	0	0	0	0	0	4.6	0	9.8	15.	12.	7.6	0	20.	0	2.56	1.8	0.15	0.25	1.9	C15
Stomach	53	0	0	0	0	2	0	2.2	2	4.6	9.1	4.2	7.4	30.	25	68.	71.	83.	128	8.48	5.9	0.31	0.78	6.8	C16	
Small intestine	5	0	0	0	0	0	0	0	0	0	0	0	0	6.1	0	7.6	0	41.	0	0.8	0.6	0.03	0.07	0.6	C17	
Colon	68	0	2.9	0	0	0	0	0	2	0	4.6	6.3	14.	45.	58.	75.	107	104	63.	10.9	7.6	0.38	1.05	8.7	C18	
Rectum	56	0	0	0	0	0	0	2.2	4.5	3.9	2.3	4.6	12.	12.	33.	20.	83.	59.	62.	63.	8.96	6.3	0.38	0.9	7.1	C19-
Anus	5	0	0	0	0	0	0	0	0	2.3	0	4.2	0	6.1	0	0	0	0	0	0.8	0.6	0.06	0.06	0.6	C21	
Liver	44	1	0	0	0	0	4	0	2.2	2	0	2.3	6.3	17.	18.	20.	60	47	62.	95.	7.04	4.9	0.26	0.67	5.6	C22
Gallbladder	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2	0	0	20.	0	0.32	0.2	0	0.02	0.2	C23-	
Pancreas	40	2	0	0	0	0	0	0	2	2.3	6.8	8.4	7.4	27.	16.	38	47.	62.	95.	6.4	4.5	0.27	0.54	5	C25	
Nose, sinuses	3	0	0	0	0	2	0	0	0	0	0	0	0	2.5	0	4.2	0	0	0	0.48	0.3	0.02	0.04	0.4	C30-	
Larynx	20	0	0	0	0	0	0	0	0	2.3	6.8	2.1	7.4	9.1	25	0	11.	20.	31.	3.2	2.2	0.14	0.26	2.4	C32	
Trachea	65	0	0	0	0	0	0	0	5.9	0	4.6	6.3	19.	15.	58.	98.	167	41.	31.	10.4	7.3	0.26	1.04	8.1	C33-	
Other thoracic	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.6	0	0	0.16	0.1	0	0.04	0.2	C37-	
Bone	5	0	0	0	0	2	2	0	0	2	0	2.3	0	0	3	0	0	0	0	0.8	0.6	0.06	0.06	0.7	C40-	
Melanoma of	5	0	0	0	0	0	0	0	0	0	0	4.2	2.5	3	0	7.6	0	0	0	0.8	0.6	0.05	0.09	0.6	C43	
Other skin	65	1	0	0	0	0	0	2.2	0	2	7	11.	10.	17.	24.	25	60	107	104	223	10.4	7.3	0.37	0.8	8.3	C44
Mesothelioma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C45
Kaposi sarcoma	1	0	0	0	0	0	0	0	0	0	0	2.1	0	0	0	0	0	0	0	0.16	0.1	0.01	0.01	0.1	C46	
Connective and	8	0	0	0	0	0	0	2.2	0	0	2.3	2.3	4.2	4.9	0	0	11.	0	0	1.28	0.9	0.08	0.08	1	C47,C	
Breast	16	0	0	0	0	0	0	0	0	0	0	0	4.2	7.4	12.	8.3	15.	11.	0	63.	2.56	1.8	0.12	0.24	2	C50
Penis	2	0	0	0	0	0	0	0	0	0	0	0	2.1	0	0	4.2	0	0	0	0.32	0.2	0.01	0.03	0.2	C60	
Prostate	191	5	0	0	2.	0	0	0	0	0	4.6	12.	22.	67	133	372	394	271	765	30.6	21.	0.54	3.07	25.2	C61	
Testis	10	0	0	0	0	6	4.4	2.2	3.9	0	0	0	2.5	0	4.2	0	0	0	0	1.6	1.1	0.09	0.12	1.4	C62	
Other male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C63
Kidnev	19	0	0	0	0	0	0	0	0	7	0	4.2	4.9	6.1	16.	15.	23.	41.	0	3.04	2.1	0.11	0.27	2.3	C64	
Renal pelvis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0.16	0.1	0.02	0.02	0.1	C65	
Ureter	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2	0	0	0	0	0.16	0.1	0	0.02	0.1	C66	
Bladder	33	0	0	0	0	0	0	2.2	0	0	2.3	4.2	0	18.	12.	30.	95.	62.	159	5.28	3.7	0.13	0.35	4.3	C67	
Other urinav	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C68
Eye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C69
Brain, nervous	9	0	2.9	7.6	0	0	0	0	0	4.6	0	2.1	2.5	0	0	7.6	0	0	0	1.44	1	0.1	0.14	1.7	C70-	
Thyroid	10	0	0	0	0	0	0	2.2	0	0	2.3	0	2.1	2.5	6.1	0	7.6	23.	20.	0	1.6	1.1	0.08	0.11	1.3	C73
Adrenal gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C74
Other	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0.16	0.1	0.02	0.02	0.1	C75	
Hodgkin	5	0	0	2.5	0	2	2	2.2	0	0	0	0	0	0	0	7.6	0	0	0	0.8	0.6	0.04	0.08	0.9	C81	
Non-Hodgkin	14	0	2.9	0	2.	0	0	2.2	2.2	2	2.3	4.6	2.1	0	0	7.6	11.	41.	31.	2.24	1.6	0.1	0.14	2.1	C82-	
Immunoprolife	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C88
Multiple	12	0	0	0	0	0	0	0	2	0	2.3	4.2	4.9	9.1	8.3	7.6	0	0	0	1.92	1.3	0.11	0.19	1.4	C90	
Lymphoid	12	0	2.9	2.5	2.	2	2	2.2	4.5	2	0	0	2.1	0	6.1	0	0	0	0	1.92	1.3	0.14	0.14	2	C91	
Mveloid	12	0	0	2.5	0	0	2	0	0	3.9	0	2.3	0	2.5	0	4.2	7.6	11.	62.	0	1.92	1.3	0.07	0.12	1.6	C92-
Leukaemia	13	0	0	5	0	2	0	0	0	2	0	0	4.2	2.5	9.1	8.3	0	11.	0	0	2.08	1.5	0.12	0.17	1.8	C95
Mveloprolifera	3	0	0	0	0	0	0	0	0	2.3	0	0	0	0	0	15.	0	0	0	0.48	0.3	0.01	0.09	0.4	MPD	
Mvelodysplasti	3	0	0	0	0	0	0	0	0	0	0	0	2.5	0	0	7.6	0	0	31.	0.48	0.3	0.01	0.05	0.4	MDS	
Other and	89	0	0	0	0	6	2	4.4	2.2	2	16.	6.8	12.	19.	39.	62.	137	59.	104	31.	14.2	10	0.56	1.55	11.6	O&U
All sites	959	9	11.	20.	6.	2	2	24	24.	45.	60.	86.	136	217	444	567	116	128	127	181	153	10	5.59	14.2	124	ALL
All sites but	894	8	11.	20.	6.	2	2	21.	24.	43.	53.	75.	125	199	420	542	110	118	116	159	143	10	5.21	13.4	115.	ALLbC

NATIONAL CANCER REGISTRY (2018)

INCIDENCE PER 100,000 (FEMALE)

SITE	AL	A	0	5-	10	15	20	25	30	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CRU	(%)	CUM64	CUM74	ASR	ICD
Lip	2	0	0	0	0	0	0	0	0	0	0	2.3	0	0	0	3.6	0	0	0	0	0.31	0.1	0.01	0.03	0.2	C00
Tongue	5	0	0	0	0	0	2	0	0	0	0	2.3	2.1	0	0	3.6	0	8.3	0	0	0.78	0.4	0.03	0.05	0.6	C01-
Mouth	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	0	0	0	0	0.16	0.1	0	0.02	0.1	C03-
Salivary	1	0	0	0	0	0	0	0	0	0	0	0	2.1	0	0	0	0	0	0	0	0.16	0.1	0.01	0.01	0.1	C07-
Tonsil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.7	0	0	14.3	0.31	0.1	0	0.03	0.2	C09
Other	2	0	0	0	0	0	0	0	0	0	0	0	0	2.4	2.8	0	0	0	0	0	0.31	0.1	0.03	0.03	0.2	C10
Nasophar	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8	0	0	0	0	0	0.16	0.1	0.01	0.01	0.1	C11
Hypophar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C12-
Pharynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C14
Oesophagu	5	0	0	0	0	0	0	0	0	2	0	0	0	4.8	0	0	5.7	0	12.4	0	0.78	0.4	0.03	0.06	0.5	C15
Stomach	28	1	0	0	0	0	2	0	0	0	7.1	0	6.2	16.6	0	10.7	22.9	16.5	24.9	42.8	4.39	2.1	0.16	0.33	2.8	C16
Small	3	0	0	0	0	0	0	0	0	0	0	0	0	2.4	0	7.1	0	0	0	0	0.47	0.2	0.01	0.05	0.3	C17
Colon	62	0	0	0	0	0	0	0	0	2	4.7	4.7	12.4	14.3	33.6	28.4	57.3	49.6	62.2	57	9.71	4.6	0.36	0.79	6.3	C18
Rectum	39	0	0	0	0	0	0	0	2.	2	7.1	2.3	16.5	7.1	11.2	17.8	22.9	16.5	74.7	14.3	6.11	2.9	0.24	0.45	4	C19-
Anus	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.1	0	0	0	14.3	0.47	0.2	0	0.04	0.3	C21
Liver	24	0	0	0	0	0	0	2.	2.	0	4.7	0	2.1	4.8	11.2	10.7	5.7	33.1	37.3	28.5	3.76	1.8	0.14	0.22	2.4	C22
Gallbladd	5	0	0	0	0	0	0	0	0	0	0	0	0	2.4	2.8	3.6	0	8.3	0	14.3	0.78	0.4	0.03	0.04	0.5	C23-
Pancreas	45	0	0	0	0	0	4.	2.	6.1	4.7	7	2.1	16.6	22.4	14.2	17.2	49.6	24.9	42.8	7.05	3.3	0.33	0.49	4.8	C25	
Nose	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C30-
Larynx	4	0	0	0	0	0	0	0	0	2	0	0	4.1	0	0	0	5.7	0	0	0	0.63	0.3	0.03	0.06	0.4	C32
Trachea	54	0	0	0	0	0	0	0	0	0	0	4.7	6.2	19	28	24.9	40.1	49.6	49.8	99.8	8.46	4	0.29	0.61	5.3	C33-
Other	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.3	0	0	0.16	0.1	0	0	0.1	C37-
Bone	7	0	0	0	2.	2.	0	0	2.	0	0	2.3	0	0	5.6	0	0	0	14.3	1.1	0.5	0.07	0.07	1	C40-	
Melanom	5	0	0	2.	0	0	2	0	0	0	2.4	0	0	0	0	0	5.7	8.3	0	0	0.78	0.4	0.03	0.06	0.8	C43
Other skin	60	1	0	0	0	2.	2	0	2.	8.1	4.7	7	4.1	7.1	11.2	49.7	34.4	90.9	24.9	85.6	9.4	4.4	0.24	0.66	6.3	C44
Mesotheli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C45
Kaposi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C46
Connectiv	5	0	0	0	0	0	0	0	0	0	0	0	4.1	0	2.8	3.6	5.7	0	0	0	0.78	0.4	0.03	0.08	0.5	C47.
Breast	57	2	0	0	0	0	0	9	25	48.5	131	112	161	193	204	227	286	322	311	257	89.3	41.	4.41	6.98	62.2	C50
Vulva	7	0	0	0	0	0	2.	0	0	0	2.4	0	0	0	8.4	3.6	0	0	0	14.3	1.1	0.5	0.07	0.08	0.8	C51
Vagina	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16.5	0	28.5	0.63	0.3	0	0	0.3	C52
Cervix	54	0	0	0	0	0	0	6.	0	10.1	14.2	7	18.6	14.3	5.6	28.4	28.6	24.8	24.9	28.5	8.46	4	0.38	0.67	6.1	C53
Corpus	53	0	0	0	0	0	0	0	0	2	7.1	4.7	16.5	19	33.6	14.2	45.8	33.1	37.3	0	8.3	3.9	0.41	0.71	5.6	C54
Uterus	34	0	0	0	0	0	0	2.	0	8.1	4.7	9.3	14.5	4.8	11.2	14.2	5.7	24.8	24.9	0	5.33	2.5	0.27	0.37	3.8	C55
Ovary	99	2	0	0	4.	6.	2	4.	0	12.1	21.4	14	35.1	16.6	33.6	46.2	34.4	49.6	62.2	57	15.5	7.3	0.75	1.15	11.2	C56
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C57
Placenta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C58
Kidnev	7	0	0	0	0	0	0	0	0	0	0	2.3	6.2	0	0	0	11.5	8.3	0	0	1.1	0.5	0.04	0.1	0.8	C64
Renal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C65
Ureter	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8	0	0	0	0	0	0.16	0.1	0.01	0.01	0.1	C66
Bladder	13	0	0	0	0	0	0	0	0	0	2.4	0	0	0	0	21.3	11.5	8.3	0	42.8	2.04	1	0.01	0.18	1.3	C67
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C68
Eye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C69
Brain	8	0	0	2.	2.	0	2	0	0	0	0	0	0	4.8	2.8	3.6	5.7	0	0	0	1.25	0.6	0.07	0.12	1.1	C70-
Thyroid	21	0	0	0	0	0	2	2.	2.	8.1	7.1	2.3	0	2.4	2.8	17.8	5.7	16.5	0	0	3.29	1.5	0.15	0.26	2.5	C73
Adrenal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C74
Other	1	0	0	0	0	0	0	0	0	0	0	0	0	2.4	0	0	0	0	0	0	0.16	0.1	0.01	0.01	0.1	C75
Hodgkin	2	0	0	0	0	0	2	0	2.	0	0	0	0	0	0	0	0	0	0	0	0.31	0.1	0.02	0.02	0.3	C81
Non-	13	0	0	2.	0	0	0	0	4.	0	0	0	2.1	14.3	2.8	0	0	16.5	0	0	2.04	1	0.13	0.13	1.5	C82-
Immunop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C88
M.Mvelo	11	0	0	0	0	0	0	0	0	0	2.4	0	6.2	0	2.8	0	11.5	16.5	12.4	14.3	1.72	0.8	0.06	0.11	1.1	C90
Lymphoid	6	0	0	0	0	2.	2	0	0	0	2.4	0	0	4.8	0	0	0	8.3	0	0	0.94	0.4	0.06	0.06	0.8	C91
Mveloid	19	1	0	2.	2.	0	0	0	0	2	0	7	2.1	4.8	11.2	3.6	5.7	16.5	12.4	14.3	2.98	1.4	0.16	0.21	2.3	C92-
Leukaemi	11	0	6	0	0	2.	2	0	0	2	0	0	0	2.4	0	7.1	5.7	8.3	12.4	0	1.72	0.8	0.07	0.14	1.8	C95
Mveloprol	1	0	0	0	0	0	0	0	0	0	0	0	0	2.4	0	0	0	0	0	0	0.16	0.1	0.01	0.01	0.1	MP
Mvelodvs	3	0	0	0	0	0	0	0	0	0	0	0	2.1	0	0	3.6	0	0	12.4	0	0.47	0.2	0.01	0.03	0.3	MD
Other and	11	0	0	0	0	0	10	6.	13	8.1	9.5	14	20.6	38	53.2	46.2	51.5	116	62.2	71.3	18.6	8.7	0.87	1.36	13	O&
All sites	14	7	6	10	10	14	30	40	59	123	204.6	204.6	346.	420.	509.	624.	738	102	883.	855	223	104	10.13	16.99	155.	ALL
All sites	13	6	6	10	10	12	28	40	56	115.	233.1	197.6	342.	413.	498.	575	704	934	859	784	213	100	9.84	16.2	148.	ALL



EXECUTIVE SUMMARY

Cancer Mortality in Mauritius for the year 2018

This report on cancer mortality in the Republic of Mauritius for the year 2018 is a follow-up of previous annual reports. It represents our analysis by MNCR staff of cancer deaths carried out mainly at the Central Health Laboratory. The methodology of registration of cancer deaths has been maintained.

At the end of every year, an anonymous listing of cancer deaths due to neoplasms, benign or malignant, of all sites, originating from Civil Status Office is delivered to National Cancer Registry Office by Statistical Department of Ministry of Health & Wellness, after coding of causes of death using ICD-10 classification.

The listing is processed, recoded if need be and deaths due to benign neoplasms are excluded from the study as set by IARC guidelines. Analysis of cancer data is then performed and final tables are presented using EXCEL Computer program.

Main conclusions of the cancer mortality study for 2018 are as follows:

1331 deaths due to cancer have been registered during the year 2018, **654** in males and **677** in women. The Mortality/Incidence (MI) ratio is **0.68** for males and **0.48** for females.

The five most common cancer sites for cause of deaths in men and women are as follows:

TABLE below illustrates mortality due to five main cancer site among males and females

<u>M A L E</u>			<u>F E M A L E</u>		
Site	Number	Percentage	Site	Number	Percentage
Prostate	99	15.1 %	Breast	173	25.6 %
Lung	94	14.4 %	Cervix Uteri	63	9.3 %
Colorectal	80	12.2 %	Colorectal	58	8.6 %
Stomach	61	9.3 %	Lung	55	8.1 %
Lip,Oral cavity &Pharynx	47	7.2 %	Ovary	52	7.7 %
Other sites	273	41.7 %	Other sites	276	40.8 %
Total	654	100 %	Total	677	100 %

Dr. S. S. Manraj
Director Laboratory Services
Mauritius National Cancer Registry (MNCR) Coordinator

TEN MOST COMMON SITES FOR CANCER DEATHS
Republic of Mauritius, 2018

MALES

Site	Number	Percentage	Crude Mortality Rate/10⁵	ASR (World) /10⁵
Prostate	99	15.1 %	16.3	13.2
Trachea, Bronchus & Lung	94	14.4 %	15.0	11.1
Colorectal	80	12.2 %	12.8	9.4
Stomach	61	9.3 %	9.7	7.4
Lip, Oral cavity & Pharynx	47	7.2 %	7.5	5.5
Liver & Intra-hepatic bile ducts	29	4.4 %	4.6	3.4
Pancreas	27	4.1 %	4.3	3.3
Larynx	21	3.2 %	3.4	2.4
Oesophagus	17	2.6 %	2.7	2.1
Bladder	17	2.6 %	2.7	2.1
Others	162	24.8 %	25.9	20.5
TOTAL	654	100 %	104.5	80.2

TEN MOST COMMON SITES FOR CANCER DEATHS
Republic of Mauritius, 2018

FEMALES

Site	Number	Percentage	Crude Mortality Rate/10 ⁵	ASR (World) /10 ⁵
Breast	173	25.6 %	27.1	18.0
Cervix Uteri	63	9.3 %	9.9	6.1
Colorectal	58	8.6 %	9.1	5.5
Trachea, Bronchus & Lung	55	8.1 %	8.6	5.2
Ovary	52	7.7 %	8.1	5.1
Liver & Intra-hepatic bile ducts	25	3.7 %	3.9	2.3
Pancreas	24	3.5 %	3.8	2.4
Leukaemias	23	3.4 %	3.6	2.9
Corpus Uteri	22	3.2 %	3.4	2.1
Stomach	19	2.8 %	3.0	1.9
OTHERS	163	24.1 %	25.5	16.3
TOTAL	677	100 %	106.0	67.8

CANCER DEATHS IN MALES BY SITES AND AGE GROUPS IN THE REPUBLIC OF MAURITIUS IN 2018

ICD CODE	SITE OF TUMOURS	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85+	TOTAL	SEX Ratio
C00-C99	All sites	0	2	2	2	4	5	1	11	13	26	43	66	86	92	105	88	58	50	654	0.96
C00-C14	Lip,Oral cavity &Pharynx	0	0	0	0	0	0	0	0	2	3	5	12	6	8	7	4	0	0	47	2.9
C00	Lip																				
C01,C02	Base of Tongue										1	2	4	1	2	3				13	3.2
C03	Gum																				
C04	Floor of mouth														1					1	1.0
C05,C06	Other&Unspec.parts mouth									1			4			1				6	2.0
C07,C08	Major Salivary Glands											1				1				2	2.0
C09	Tonsil											1	1	1						3	1.5
C10	Oropharynx														1					1	1.0
C11	Nasopharynx														2					2	1.0
C12,C13	Hypopharynx&Pyriform sinus										2		1	1		1	1			6	
C14	Ill-defined sites LOP etc									1		1	2	3	2	1	3			13	6.5
C15-C26	Digestive Organs	0	0	0	0	2	1	1	3	4	9	17	24	30	31	40	28	28	13	231	1.5
C15	Oesophagus									1	2	1	2	3		6		1	1	17	1.5
C16	Stomach					1			1	2	2	4	2	12	9	11	10	5	2	61	3.2
C17	Small Intestine																2			2	2.0
C18-C20	Colorectal					1	1		1		1	7	12	7	12	11	7	14	6	80	1.4
C21	Anus & anal canal							1								1	1			3	3.0

ICD CODE	SITE OF TUMOUR	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85+	TOTAL	SEX Ratio
C22	Liver& Intra-hepatic bile ducts										2	2	5	2	4	5	3	4	2	29	1.1
C23-C24	Gall Bladder, etc												3		1		1	1		6	0.46
C25	Pancreas								1	1	2	3		6	2	5	3	3	1	27	1.1
C26	Ill-defined Digestive Orgs														3	1	1		1	6	1.5
C30-C39	Resp. System & Intra-thoracic Organs	0	0	0	2	0	0	0	4	0	4	10	17	17	21	19	15	9	3	121	1.9
C30,C31	Nasal cavity& accessory orgs													1						1	0.5
C32	Larynx								1		1	3	4	4	2	3		2	1	21	7.0
C33-C34	Trachea, Bronchus& Lung								3		2	6	12	12	19	16	15	7	2	94	1.7
C37-C39	Thymus, Heart, mediastinum &pleura, Ill-def site resp sys				2						1	1	1							5	2.5
C40-C41	Bones & Articular Cartilage								1	1				3			1	1		7	7.0
C43- C44	Melanoma & other Skin																		1	1	1.0
C45-C49	Mesothelial, Conn& Soft tissue					1	1						1		1	1	1			6	1.2
C50	Breast										1			1	2	1	1			6	0.03
C60-C63	Male Genital Organs	0	0	0	0	0	1	0	1	0	0	4	0	11	12	21	22	9	23	104	
C60,C63	Penis & other MGOs											1					2			3	
C61	Prostate											3		11	12	21	20	9	23	99	
C62	Testis						1		1											2	

ICD CODE	SITE OF TUMOUR	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85+	TOTAL	SEX Ratio
C64-C68	Urinary Tract	0	1	0	0	0	0	0	0	1	2	2	2	6	2	5	7	2	2	32	2.0
C67	Bladder									1		1	2	4	1	4	4			17	
C64-66,C68	Kidney, Pelvis& Ureter		1								2	1		2	1	1	3	2	2	15	0.9
C69-C72	Eye, Brain & other C.N.S	0	1	0	0	0	0	0	0	2	3	2	2	1	1	3	1	2	1	19	1.6
C69	Eye & adnexa																				
C71	Brain		1							2	2	2	2	1	1	2	1	2		16	1.3
C70,C72	Meninges, Spinal Cord& other CNS										1					1			1	3	
C73-C75	Thyroid & other Endocrine Glands	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	5	0.6
C73	Thyroid Gland													1	1			1	1	4	1.0
C74-C75	Other Endocrine Glands															1				1	0.25
C76-C80,C97	Primary Site Unknown						1		1	1	1	1	4	6	4	4	3	3	2	31	0.77
C81-C96	Haematological Malignancies	0	0	2	0	1	1	0	1	2	3	2	4	4	9	3	5	3	3	43	1.02
C81	Hodgkin's Disease					1	1							1						3	1.0
C82-85,C96	NHML								1		2	2	2	2	4	1		2	1	17	2.8
C91-95	Leukaemias			2						1	1		2		4	2	2			14	0.6
C88,C90	Multiple Myeloma									1				1	1		3	1	2	9	
	MDS																		1	1	
All Site	TOTAL	0	2	2	2	4	5	1	11	13	26	43	66	86	92	105	88	58	50	654	0.96

CANCER DEATHS IN FEMALES BY SITES AND AGE GROUPS IN THE REPUBLIC OF MAURITIUS IN 2018

ICD CODE	SITE OF TUMOURS	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85+	TOTAL	SEX Ratio	
C00-C99	All sites	1	1	0	4	6	2	1	16	19	39	55	71	96	101	79	73	55	58	677	0.96	
C00-C14	Lip, Oral cavity & Pharynx	0	0	0	0	0	0	0	0	0	0	1	4	3	1	3	1	2	1	16	2.9	
C00	Lip																				0	
C01,C02	Base of Tongue												2			1	1				4	3.2
C03	Gum																					
C04	Floor of mouth															1					1	1.0
C05,C06	Other&Unspec.parts mouth											1	1			1					3	2.0
C07,C08	Major Salivary Glands														1						1	2.0
C09	Tonsil												1						1		2	1.5
C10	Oropharynx													1							1	1.0
C11	Nasopharynx													1				1			2	1.0
C12,C13	Hypopharynx&Pyriform sinus																					
C14	Ill-defined sites LOP etc													1				1			2	6.5
C15-C26	Digestive Organs	0	0	0	0	2	1	0	2	5	4	7	17	20	22	18	25	18	15	156	1.5	
C15	Oesophagus												2		1	2	3	2	1		11	1.5
C16	Stomach					1			1	1			4		4	3	3	2			19	3.2
C17	Small Intestine													1							1	2.0
C18-C20	Colorectal					1				3	3	4	5	8	5	7	4	9	9		58	1.4
C21	Anus & anal canal																1				1	3.0
C22	Liver& Intra-hepatic bile ducts											1	4	5	4	2	4	4	1		25	1.1

ICD CODE	SITE OF TUMOURS	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85+	TOTAL	SEX Ratio
C23-C24	Gall Bladder									1	1		2	1	2	5		1		13	0.46
C25	Pancreas						1		1	1			2	3	7	1	4	1	3	24	1.1
C26	Ill-defined Digestive Orgs											1		1	1					4	1.5
C30-C39	Resp. System & Intrathoracic Organs	0	0	0	0	1	0	0	1	0	2	5	8	11	7	9	5	8	5	62	1.9
C30,C31	Nasal cavity& accessory organs												1	1						2	0.5
C32	Larynx								1			1						1		3	7.0
C33-C34	Trachea, Bronchus& Lung										2	3	7	10	7	9	5	7	5	55	1.7
C37-C39	Thymus, Heart, mediastinum & pleura, Ill-def site resp sys					1						1								2	2.5
C40-C41	Bones & Articular Cartilage												1							1	7.0
C43-C44	Melanoma & other Skin																		1	1	1.0
C45-C49	Mesothelial, Conn. & Soft Tissue											1	1		2			1		5	1.2
C50	Breast								8	7	14	22	17	30	29	18	11	7	10	173	0.03
C51-C58	Female Genital Organs	0	0	0	0	0	0	0	3	4	10	10	14	14	24	23	18	9	16	145	
C51-C52	Vulva,Vagina										1					4	1	1		7	
C53	Cervix Uteri								3	4	2	3	5	4	12	9	8	5	8	63	
C54	Corpus Uteri										3	2	2	1	4	2	3	2	3	22	
C56	Ovary										3	5	7	9	8	8	6	1	5	52	

ICD CODE	SITE OF TUMOURS	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85+	TOTAL	SEX Ratio
C57-C58	OAU Female Genital Organs										1									1	
C64-C68	Urinary Tract	0	0	0	0	0	0	0	0	0	1	4	1	2	3	1	1	3	0	16	2.0
C67	Bladder																			0	
C64-66,C68	Kidney, Pelvis& Ureter										1	4	1	2	3	1	1	3		16	0.93
C69-C72	Eye, Brain & other C.N.S	0	1	0	0	0	0	0	0	1	0	0	4	3	2	1	0	0	0	12	1.58
C69	Eye & adnexa																			0	
C71	Brain		1							1			4	3	2	1				12	1.3
C70,C72	Meninges, Spinal Cord & other CNS																			0	
C73-C75	Thyroid&other Endo Glands	0	0	0	1	1	0	0	1	0	1	2	0	1	1	0	0	0	0	8	0.6
C73	Thyroid Gland								1			1		1	1					4	1.0
C74-C75	Other Endocrine Glands				1	1					1	1								4	0.25
C76,C80,C97	Primary Site Uncertain								1		4	2	2	8	4	1	8	5	5	40	0.77
C81-C96	Haematological Malignancies	1	0	0	3	2	1	1	0	2	3	1	2	4	6	5	4	2	5	42	1.0
C81	Hodgkin's Disease					1	1										1			3	1.0
C82-85,C96	NHML					1		1			1			1	1	1				6	2.8
C91-95	Leukaemias	1			3					2	2	1	1	3	2	3	1	2	2	23	0.6
C88,C90	Multiple Myeloma												1		3	1	2		2	9	1.0
MPD	Myeloproliferative disorders																		1	1	
All Site	TOTAL	1	1	0	4	6	2	1	16	19	39	55	71	96	101	79	73	55	58	677	0.96

The Mauritius National Cancer Registry Team



First left to right: Mr Gukhool Nithin Prakash, Dr Bhujawon Khevin , Dr Koon Sun Pat Marvin, Dr Manraj Shyam Shunker, Dr (Miss) Fauzee. N Jasmine S, Dr (Mrs) Sewpaul-Sungkur Rina, Mr. Ramjaun M. Salim