

## DATA Analytics on Paediatric Cancer

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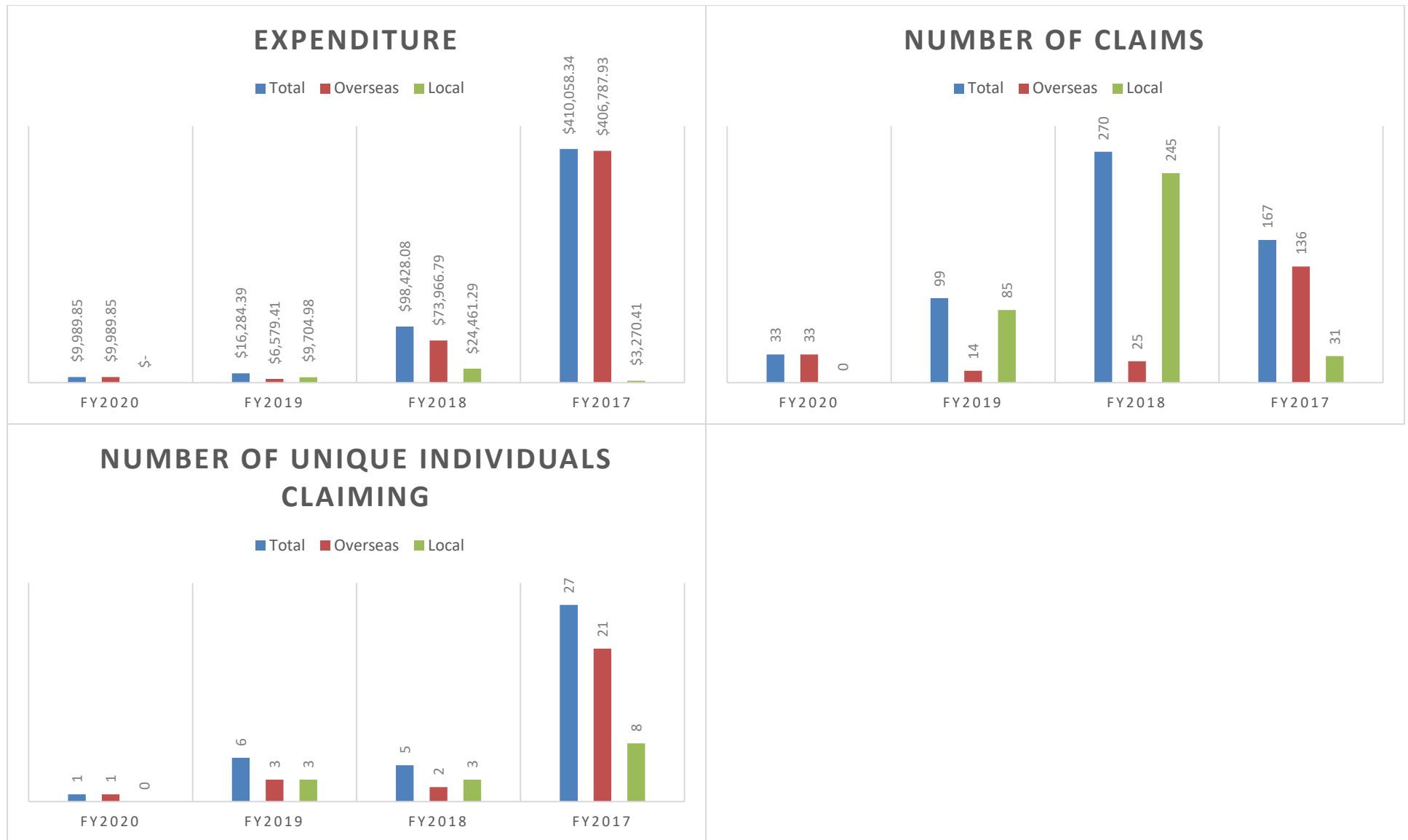
### **Request**

1. A request was submitted to provide information on cancer treatment in children in the community.

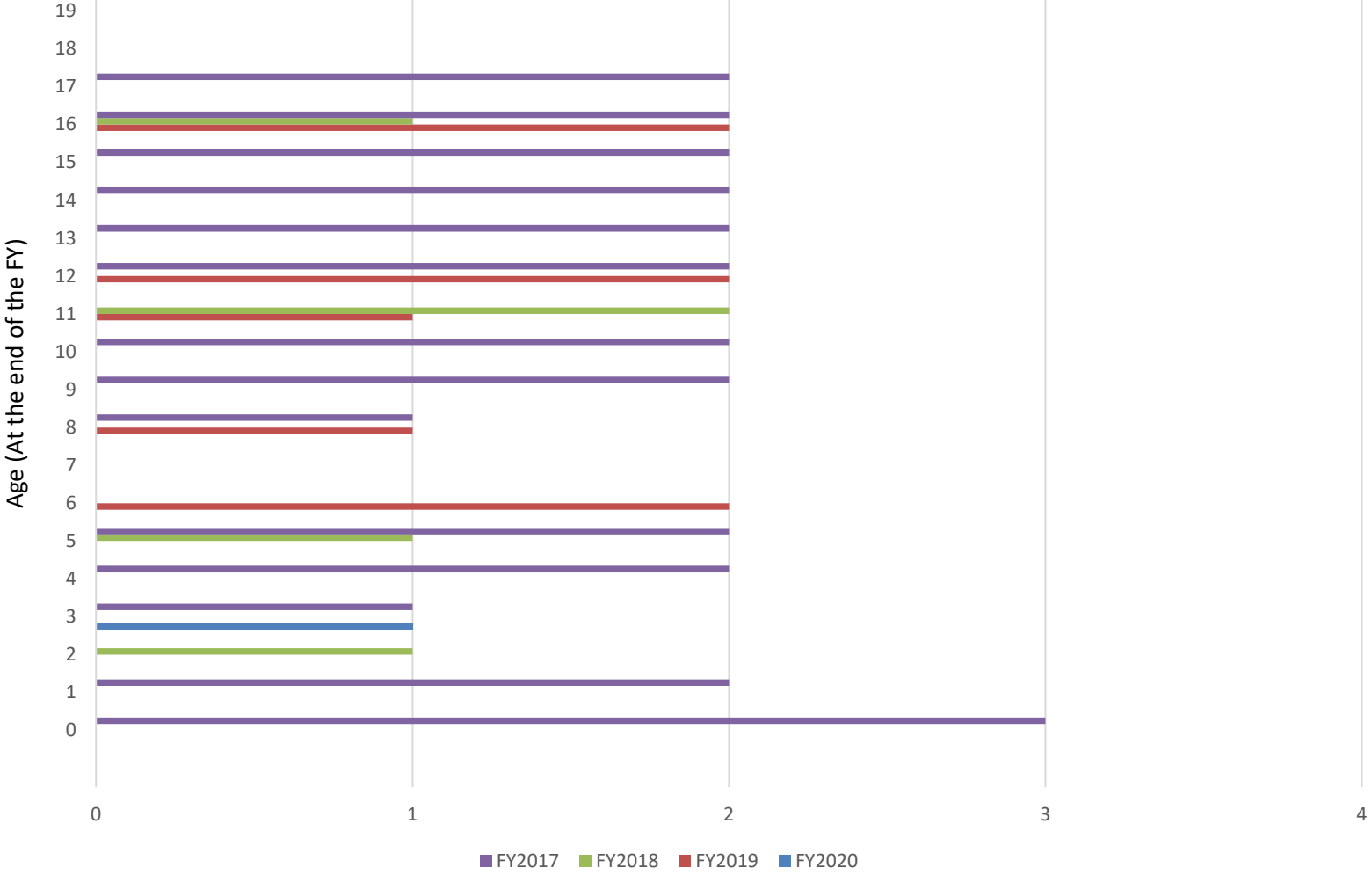
### **Disclaimer**

2. The data is provided by the Bermuda Health Council and must be cited and authorized prior to publication or use. Bermuda Health Council does not make any guarantees or provide third party validation for the data sources.
3. The data provided is from claims submitted to the Health Council by insurers (excluding local non-subsidy hospital claims. Claims from overseas hospitals are included). The data is from health business submitting claims for the specified criteria outlined (i.e. conditions identified through diagnosis (ICD-9 or ICD-10) or procedure codes (CPT or local hospital charge codes)). Claims expenditure does not include rejected claims.
4. Fiscal year (FY) is from April 1st till March 31st. FY21 data currently unavailable.
5. Insurers included are: BF&M, CG, Argus, GEHI, HIP and FTC
6. Subsidy includes claims from: Youth, Age, Indigent
7. Paediatric cancer claims are from individuals 19 years old and under.

**General data for cancer treatment in children** (Note: Unique individuals are number of patients submitting claims, Expenditure is the amount paid out by insurers.)



### Number of Unique individuals claiming by Age



**Procedure codes listed on local and overseas claims for cancer treatment in children by year (Note: 5 digit codes are CPT codes<sup>1</sup>, 7 digit are local hospital codes)**

	<b><i>Procedure</i></b>	<b><i>Description</i></b>	<b><i>Number of claims</i></b>
<b><i>FY2020</i></b>	96411	Chemotherapy administration; intravenous, push technique, each additional substance/drug (List separately in addition to code for primary procedure)	4
	96413	Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug	15
	96415	Chemotherapy administration, intravenous infusion technique; each additional hour (List separately in addition to code for primary procedure)	1
	96417	Chemotherapy administration, intravenous infusion technique; each additional sequential infusion (different substance/drug), up to 1 hour (List separately in addition to code for primary procedure)	13

	<b><i>Procedure</i></b>	<b><i>Description</i></b>	<b><i>Number of claims</i></b>
<b><i>FY2019</i></b>	2121549	ONC CHEMO INFUSION < 1 HR	33
	2121556	ONC CHEMO INFUSION 1-8 HRS	8
	2121572	ONC CHEMO MEDICATION	44
	96409	Chemotherapy administration; intravenous, push technique, single or initial substance/drug	3
	96413	Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug	10
	96415	Chemotherapy administration, intravenous infusion technique; each additional hour (List separately in addition to code for primary procedure)	1

<sup>1</sup> Current Procedural Terminology

	<i>Procedure</i>	<i>Description</i>	<i>Number of claims</i>
<b>FY2018</b>	2121549	ONC CHEMO INFUSION < 1 HR	120
	2121556	ONC CHEMO INFUSION 1-8 HRS	2
	2121572	ONC CHEMO MEDICATION	123
	96409	Chemotherapy administration; intravenous, push technique, single or initial substance/drug	4
	96411	Chemotherapy administration; intravenous, push technique, each additional substance/drug (List separately in addition to code for primary procedure)	5
	96413	Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug	16

**FY2017**

	<i>Procedure</i>	<i>Description</i>	<i>Number of claims</i>
<b>FY2017</b>	2121549	ONC CHEMO INFUSION < 1 HR	18
	2121556	ONC CHEMO INFUSION 1-8 HRS	4
	2121572	ONC CHEMO MEDICATION	9
	77263	Therapeutic radiology treatment planning; complex	4
	77280	Therapeutic radiology simulation-aided field setting; simple	2
	77290	Therapeutic radiology simulation-aided field setting; complex	3
	77295	3-dimensional radiotherapy plan, including dose-volume histograms	3
	77300	Basic radiation dosimetry calculation	5
	77334	Treatment devices, design and construction; complex	6
	77336	Continuing medical physics consultation	5

77370	Special medical radiation physics consultation	1
77387	Guidance for localization of target volume for delivery of radiation treatment	23
77412	Radiation treatment delivery, => 1 MeV; complex	9
77427	Radiation treatment management, 5 treatments	6
77470	Special treatment procedure (eg, total body irradiation, hemibody radiation, per oral or endocavitary irradiation)	3
96401	Chemotherapy administration, subcutaneous or intramuscular; non-hormonal anti-neoplastic	1
96409	Chemotherapy administration; intravenous, push technique, single or initial substance/drug	28
96411	Chemotherapy administration; intravenous, push technique, each additional substance/drug (List separately in addition to code for primary procedure)	6
96413	Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug	19
96416	Chemotherapy administration, intravenous infusion technique; initiation of prolonged chemotherapy infusion (more than 8 hours), requiring use of a portable or implantable pump	2
G6002	Ultrasonic guidance for placement of radiation therapy field	10

**Data**

**Primary diagnosis codes listed on cancer treatment claims for children by year (Included both local and overseas)**

**\*Note: Some providers may have used diagnosis codes to describe symptoms not the overall health diagnosed (i.e. Cancer type).**

**FY2020**

<b><i>Primary Diagnosis</i></b>	<b><i>Description</i></b>	<b><i>Number of claims</i></b>
C56.1	MALIGNANT NEOPLASM OF RIGHT OVARY	13
C56.9	MALIGNANT NEOPLASM UNS OVARY	2
D39.11	NEOPLASM UNCERTAIN BHV RIGHT OVARY	2
D39.12	NEOPLASM UNCERTAIN BHV LEFT OVARY	5
Z51.11	ENCOUNTER FOR ANTINEOPLASTIC CHEMO	11

**FY2019**

<b><i>Primary Diagnosis</i></b>	<b><i>Description</i></b>	<b><i>Number of claims</i></b>
204	ACUTE LYMPHOID LEUKEMIA	82
463	Acute tonsillitis, unspecified	1
850.5	Concussion w coma NOS	1
C91.00	AC LYMPHOBLASTIC LEUKEMIA NO REMISS	1
C91.01	AC LYMPHOBLASTIC LEUKEMIA IN REMISS	3
M25.46	EFFUSION KNEE	2
V58.81	Fitting and adjustment of vascular catheter	1

**FY2018**

<i>Primary Diagnosis</i>	<i>Description</i>	<i>Number of claims</i>
<i>Blank</i>		12
204	ACUTE LYMPHOID LEUKEMIA	243
C91.00	AC LYMPHOBLASTIC LEUKEMIA NO REMISS	1
V58.11	Encounter for antineoplastic chemotherapy	2
Z51.11	Encounter for antineoplastic chemotherapy	12

**FY2017**

<i>Primary Diagnosis</i>	<i>Description</i>	<i>Number of claims</i>
1		8
1539	Malignant neo colon NOS	1
1749	MALIGN NEOPL BREAST NOS	3
189	Malignant neoplasm of kidney and other and unspecified urinary organs	1
1940	Malignant neoplasm of adrenal gland	2
2		1
20		18
203	Multiple myeloma and immunoproliferative neoplasms	5
204	Lymphoid leukemia	18
20400	Acute lymphoblastic leukemia not having achieved remission	21
20401	Acute lymphoid leukemia, in remission	9
23875	Myelodysplastic synd NOS	3
27		1
6953	Rhinophyma	1



7		4
71		1
7100	Systemic lupus erythematosus	1
736	Other acquired deformities of limbs.	1
999999999		2
C50411	Malignant neoplasm of upper-outer quadrant of right female breast	2
C50412	Malignant neoplasm of upper-outer quadrant of left female breast.	2
C50912	Malignant neoplasm of unspecified site of left female breast	1
C61	Malignant neoplasm of prostate	6
C7951	Secondary malignant neoplasm of bone.	2
C91.00	Acute lymphoblastic leukemia not having achieved remission	1
C91.01	Acute lymphoblastic leukemia, in remission	1
V580	Encounter for radiotherapy	33
V5800		2
V5805		2
Z51.11	Encounter for antineoplastic chemotherapy	4
Z510	Encounter for antineoplastic radiation therapy	8
Z5111	Encounter for antineoplastic chemotherapy.	2