

First Report of the

**SINGAPORE CHILDHOOD  
CANCER REGISTRY**

1997 – 2005

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## Foreword

This is the first published monograph of childhood cancer incidence for Singapore. All childhood cancers (15 years and below) were notified to the SCCR by KK Women's and Children's Hospital (KKWCH) and National University Hospital (NUH), these two institutions dominates 98% of all childhood cancer cases. All cases captured are counterchecked with Singapore Cancer Registry (SCR) and National Birth and Death Registry (NBDR).

- A total of 1103 cases were registered in Singapore between January, 1997 to December, 2005, of which 75% are local cases (777 cases). This averages to be 120 cases per year. The incidence of childhood cancer was 137.5 per million per year in Singapore.
- There was no significant difference in childhood cancer incidence among Malays, Chinese or Indians.
- About half of all childhood cancers occurs in children below 5 years of age.

The results from these studies would serve as a reference for future researches in different childhood cancers and may be used for the purpose of planning of paediatric oncology services in Singapore. This would also provide a basis for comparison with similar figures from other countries.

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## Introduction

The cancer registry can generate estimates of the burden of cancer in Singapore. It collects its data from voluntary notification from medical practitioners, pathology lab results and listings from death certificates. In 1997, the Singapore Childhood Cancer Registry (SCCR) aimed at studying the epidemiology of childhood cancers within multiracial asian population was set up by a working group of paediatric oncologists.

Childhood cancer is not one disease entity, but rather a spectrum of different malignancies. Childhood cancers vary by type of histology, site of disease origin, race, sex, and age. This will be illustrated in the following pages of this monograph.

The majority of childhood cancers is treated in the two main paediatric hospitals, National University Hospital (NUH) and KK Women's and Children's Hospital (KKWCH). About 95% of all childhood cancer patients in Singapore are looked after by these two hospitals. The completeness of registration was counterchecked with pathology reports. A small number are treated in the private sector and if practitioners do not notify or the laboratory results are missed, these cases may not be included.

## Method

The two main notifying pediatric hospitals in Singapore are KK Women's and Children's Hospital (KKWCH) and National University Hospital (NUH). Records are linked with Singapore Cancer Registry (SCR) and National Birth and Death Registry (NBDR) to ensure data accuracy.

Beside the demographic data, the histology, site, extent of disease, date of diagnosis, laboratory prognostic data, details of treatment together with treatment related toxicities is verified against hospital records in the hospitals where the children are being treated. The data is checked to exclude duplication, inaccurate data and missed cases. All newly diagnosed cases reported to the SCCR are in turn notified to the SCR. Records are linked with SCR and NDR to ensure data accuracy. The database had been programmed to capture each patient's data according to the International Classification of Diseases for Oncology [ICD-0] (1) by anatomical site and morphology. These data are stored in internet enabled Paediatric Oncology Group (POG) database and individual record keeping centers and the central molecular laboratory are connected via web secure encrypted SSL connection to the POGS server to both retrieve and input data. Servers are guarded with Cisco PIX515E firewall which acted as the data inspector to avoid intruders, viruses and hackers while the relational database is updated from new screened input.

All cases notified are based on histology, cytology, presence of positive tumour markers in patient with compatible clinical findings

In order to calculate rates, population estimates were obtained from the Bureau of the Census. In 2000, there were 700,798 children (Singaporean/Singapore PR) below 15 years of age. Twenty percent of Singapore population is younger than 15 years of age.

### *Definitions:*

Incidence rate - the number of new cases divided by the population at risk and was expressed as the number per million at risk each year.

Group – percentage contribution of each subgroup category to the total of the individual diagnostic group.

Crude – the crude incidence rate, calculated by dividing the total number of cases (aged 0-14 years) by the corresponding population at risk (all children, males and females) and expressed per million person-years.

ASR – age-specific incidence rates of the local population under 15 years weighted according to the age structure of the world standard population (waterhouse et al. 1982).

Cum – the sum over each year of age of the age specific incidence rates from age 0 to age 14.

%MV (proportion of morphologically verified diagnoses) – the proportion of cases known to be diagnosed by either histology or cytology expressed as a percentage of all cases registered. In Singapore, most of the pediatric cancers are histologically confirmed, as most childhood cancer classifications are based on histologic types.

### *Childhood Cancer patterns*

Since the 1960s, the survival of childhood cancer have shown marked improvements. An example of this is through the successful treatment of ALL patients. Survivals were 20% in the 1960s and have risen to currently above 80%.

## **Results**

A total of 1107 cases are registered, of which 778 are local cases. This averages to be about 100 cases per year. The age-standardised incidence rate (ASR) is 137.5 per million.

The commonest type of childhood cancer is leukemia constituting 40.8% of all cases and incidence of 61.6 per million, half of which are below 5 years of age. The second most common type of cancer was CNS tumours with relative frequency at 17.4%; 24.9 per million followed by lymphoma 9.5% and 12.8 per million, germ cell tumours 7.9%; 11.3 per million, neuroblastoma 5.3%; 8.8 per million, malignant bone tumours 5.1%; 6.3 per million, soft tissue sarcomas 3.9%; 5.9 per million, Renal tumours 3.0%; 4.7 per million, retinoblastoma 2.7%; 4.7 per million, and other tumours 2.4%; 3.1 per million. Histological verification were performed in 89% of all cases diagnosed in Singapore.

Children below 5 years of life have the highest incidence of childhood cancer, with male predominating 1.4 times higher than females. Embryonal tumours such as neuroblastoma, wilm's tumour, retinoblastoma, and hepatoblastoma occurs mainly in children below 5 years of age. Bone tumours, on the other hand, are more common in children between 10-14 years old.

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Table 1.1 Number of cases, Relative Frequencies and Incidence Rates for ALL Singaporean Children, 1997-2005

Absolute Counts	No. of Cases				Gender			RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total	M	F	M/F			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>168</b>	<b>85</b>	<b>64</b>	<b>317</b>	<b>186</b>	<b>131</b>	<b>1.4</b>	<b>40.8</b>	<b>100.0</b>	<b>98.46</b>	<b>42.15</b>	<b>33.98</b>	<b>56.54</b>	<b>61.58</b>	<b>100.0</b>	<b>873.0</b>
Lymphoid	135	70	42	247	148	99	1.5	31.8	77.9	79.12	34.71	22.30	44.06	48.30	100.0	680.7
Acute Non-Lymphocytic	31	14	13	58	31	27	1.1	7.5	18.3	18.17	6.94	6.90	10.35	11.28	100.0	160.1
Chronic Myeloic	0	1	9	10	5	5	1.0	1.3	3.2	0.00	0.50	4.78	1.78	1.55	100.0	26.4
Other Specified	2	0	0	2	2	0	-	0.3	0.6	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Unspecified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>17</b>	<b>18</b>	<b>39</b>	<b>74</b>	<b>54</b>	<b>20</b>	<b>2.7</b>	<b>9.5</b>	<b>100.0</b>	<b>9.96</b>	<b>8.93</b>	<b>20.71</b>	<b>13.20</b>	<b>12.75</b>	<b>100.0</b>	<b>198.0</b>
Hodgkin's Disease	0	3	10	13	10	3	3.3	1.7	17.6	0.00	1.49	5.31	2.32	2.02	100.0	34.0
Non-Hodgkin lymphoma	11	11	27	49	34	15	2.3	6.3	66.2	6.45	5.45	14.33	8.74	8.42	100.0	131.2
Burkitt's lymphoma	6	4	2	12	10	2	5.0	1.5	16.2	3.52	1.98	1.06	2.14	2.31	100.0	32.8
Misc	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>52</b>	<b>51</b>	<b>32</b>	<b>135</b>	<b>69</b>	<b>66</b>	<b>1.0</b>	<b>17.4</b>	<b>100.0</b>	<b>30.48</b>	<b>25.29</b>	<b>16.99</b>	<b>24.08</b>	<b>24.89</b>	<b>72.2</b>	<b>363.8</b>
Ependymoma	9	2	0	11	9	2	4.5	1.4	8.1	5.27	0.99	0.00	1.96	2.36	100.0	31.3
Astrocytoma	14	15	13	42	20	22	0.9	5.4	31.1	8.21	7.44	6.90	7.49	7.58	100.0	112.7
PNET	24	19	12	55	29	26	1.1	7.1	40.7	14.07	9.42	6.37	9.81	10.33	94.5	149.3
Other Gliomas	3	10	5	18	6	12	0.5	2.3	13.3	1.76	4.96	2.65	3.21	3.05	38.9	46.9
Other Specified	2	3	1	6	4	2	2.0	0.8	4.4	1.17	1.49	0.53	1.07	1.09	100.0	16.0
Unspecified	0	2	1	3	1	2	0.5	0.4	2.2	0.00	0.99	0.53	0.54	0.47	0.0	7.6
<b>SNS TUMOURS</b>	<b>34</b>	<b>7</b>	<b>0</b>	<b>41</b>	<b>25</b>	<b>16</b>	<b>1.6</b>	<b>5.3</b>	<b>100.0</b>	<b>19.93</b>	<b>3.47</b>	<b>0.00</b>	<b>7.31</b>	<b>8.83</b>	<b>97.6</b>	<b>117.0</b>
Neuroblastoma & Ganglioneuroblastoma	34	7	0	41	25	16	1.6	5.3	100.0	19.93	3.47	0.00	7.31	8.83	97.6	117.0
Others	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>20</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>15</b>	<b>6</b>	<b>2.5</b>	<b>2.7</b>	<b>100.0</b>	<b>11.72</b>	<b>0.50</b>	<b>0.00</b>	<b>3.75</b>	<b>4.70</b>	<b>61.9</b>	<b>61.1</b>
<b>RENAL TUMOURS</b>	<b>16</b>	<b>4</b>	<b>3</b>	<b>23</b>	<b>12</b>	<b>11</b>	<b>1.1</b>	<b>3.0</b>	<b>100.0</b>	<b>9.38</b>	<b>1.98</b>	<b>1.59</b>	<b>4.10</b>	<b>4.73</b>	<b>97.5</b>	<b>64.8</b>
Wilms' tumour	16	3	1	20	11	9	1.2	2.6	87.0	9.38	1.49	0.53	3.57	4.26	95.0	57.0
Renal Carcinoma	0	1	2	3	1	2	0.5	0.4	13.0	0.00	0.50	1.06	0.54	0.47	100.0	7.8
Unspecified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>12</b>	<b>2</b>	<b>2</b>	<b>16</b>	<b>9</b>	<b>7</b>	<b>1.3</b>	<b>2.1</b>	<b>100.0</b>	<b>7.03</b>	<b>0.99</b>	<b>1.06</b>	<b>2.85</b>	<b>3.35</b>	<b>84.6</b>	<b>45.4</b>
Hepatoblastoma	12	1	0	13	7	6	1.2	1.7	81.3	7.03	0.50	0.00	2.32	2.88	69.2	37.6
Hepatic Carcinoma	0	1	2	3	2	1	2.0	0.4	18.8	0.00	0.50	1.06	0.54	0.47	100.0	7.8
Unspecified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.1 Number of cases, Relative Frequencies and Incidence Rates for ALL Singaporean Children, 1997-2005 (Continue)

Absolute Counts	No. of Cases				Gender			RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total	M	F	M/F			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>1</b>	<b>17</b>	<b>22</b>	<b>40</b>	<b>21</b>	<b>19</b>	<b>1.1</b>	<b>5.1</b>	<b>100.0</b>	<b>0.59</b>	<b>8.43</b>	<b>11.68</b>	<b>7.13</b>	<b>6.34</b>	<b>100.0</b>	<b>103.5</b>
Osteosarcoma	0	14	19	33	17	16	1.1	4.2	82.5	0.00	6.94	10.09	5.89	5.17	100.0	85.1
Chondroblastoma	0	0	1	1	1	0	-	0.1	2.5	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Ewing's Sarcoma	1	3	2	6	3	3	1.0	0.8	15.0	0.59	1.49	1.06	1.07	1.02	100.0	15.7
Other Specified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>17</b>	<b>6</b>	<b>7</b>	<b>30</b>	<b>17</b>	<b>13</b>	<b>1.3</b>	<b>3.9</b>	<b>100.0</b>	<b>9.96</b>	<b>2.98</b>	<b>3.72</b>	<b>5.35</b>	<b>5.90</b>	<b>100.0</b>	<b>83.3</b>
Rhabdomyosarcoma	11	4	1	16	11	5	2.2	2.1	53.3	6.45	1.98	0.53	2.85	3.29	100.0	44.8
Fibrosarcoma	2	0	2	4	1	3	0.3	0.5	13.3	1.17	0.00	1.06	0.71	0.76	100.0	11.2
Kaposi's sarcoma	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	3	1	3	7	5	2	2.5	0.9	23.3	1.76	0.50	1.59	1.25	1.30	100.0	19.2
Unspecified	1	1	1	3	0	3	0.0	0.4	10.0	0.59	0.50	0.53	0.54	0.54	100.0	8.1
<b>NEOPLASMS</b>	<b>25</b>	<b>14</b>	<b>22</b>	<b>61</b>	<b>39</b>	<b>22</b>	<b>1.8</b>	<b>7.9</b>	<b>100.0</b>	<b>14.65</b>	<b>6.94</b>	<b>11.68</b>	<b>10.88</b>	<b>11.30</b>	<b>100.0</b>	<b>166.4</b>
CNS GCT	0	8	15	23	17	6	2.8	3.0	37.7	0.00	3.97	7.96	4.10	3.59	100.0	59.7
Other Non-gonadal GCT	11	0	4	15	9	6	1.5	1.9	24.6	6.45	0.00	2.12	2.68	3.11	100.0	42.9
Gonadal GCT	14	6	3	23	13	10	1.3	3.0	37.7	8.21	2.98	1.59	4.10	4.60	100.0	63.9
Other & Unspecified	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>1</b>	<b>3</b>	<b>11</b>	<b>15</b>	<b>5</b>	<b>10</b>	<b>0.5</b>	<b>1.9</b>	<b>100.0</b>	<b>0.59</b>	<b>1.49</b>	<b>5.84</b>	<b>2.68</b>	<b>2.40</b>	<b>100.0</b>	<b>39.6</b>
Adrenocortical	1	0	0	1	0	1	0.0	0.1	6.7	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Thyroid	0	0	4	4	0	4	0.0	0.5	26.7	0.00	0.00	2.12	0.71	0.62	100.0	10.6
Nasopharyngeal	0	1	4	5	4	1	4.0	0.6	33.3	0.00	0.50	2.12	0.89	0.78	100.0	13.1
Melanoma	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0	0	-	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	2	3	5	1	4	0.3	0.6	33.3	0.00	0.99	1.59	0.89	0.78	100.0	12.9
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>0.3</b>	<b>0.5</b>	<b>100.0</b>	<b>0.59</b>	<b>0.50</b>	<b>1.06</b>	<b>0.71</b>	<b>0.70</b>	<b>50.0</b>	<b>10.7</b>
Other Specified	1	0	2	3	1	2	0.5	0.4	75.0	0.59	0.00	1.06	0.54	0.54	100.0	8.2
Other Unspecified	0	1	0	1	0	1	0.0	0.1	25.0	0.00	0.50	0.00	0.18	0.16	0.0	2.5
<b>Total</b>	<b>364</b>	<b>209</b>	<b>204</b>	<b>777</b>	<b>453</b>	<b>324</b>	<b>1.4</b>	<b>100.0</b>	<b>-</b>	<b>213.34</b>	<b>103.64</b>	<b>108.31</b>	<b>138.59</b>	<b>147.46</b>	<b>88.7</b>	<b>2126.4</b>

Table 1.2 Number of cases, Relative Frequencies and Incidence Rates for MALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>102</b>	<b>44</b>	<b>40</b>	<b>186</b>	<b>41.1</b>	<b>100.0</b>	<b>59.78</b>	<b>21.82</b>	<b>21.24</b>	<b>33.18</b>	<b>36.34</b>	<b>100.0</b>	<b>514.2</b>
Lymphoid	83	40	25	148	32.7	79.6	48.65	19.83	13.27	26.40	29.08	100.0	408.8
Acute Non-Lymphocytic	17	4	10	31	6.8	16.7	9.96	1.98	5.31	5.53	6.04	100.0	86.3
Chronic Myeloid	0	0	5	5	1.1	2.7	0.00	0.00	2.65	0.89	0.77	100.0	13.3
Other Specified	2	0	0	2	0.4	1.1	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>11</b>	<b>15</b>	<b>28</b>	<b>54</b>	<b>11.9</b>	<b>100.0</b>	<b>6.45</b>	<b>7.44</b>	<b>14.87</b>	<b>9.63</b>	<b>9.21</b>	<b>100.0</b>	<b>143.8</b>
Hodgkin's Disease	0	2	8	10	2.2	18.5	0.00	0.99	4.25	1.78	1.55	100.0	26.2
Non-Hodgkin lymphoma	7	9	18	34	7.5	63.0	4.10	4.46	9.56	6.06	5.80	100.0	90.6
Burkitt's lymphoma	4	4	2	10	2.2	18.5	2.34	1.98	1.06	1.78	1.86	100.0	26.9
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>28</b>	<b>21</b>	<b>20</b>	<b>69</b>	<b>15.2</b>	<b>100.0</b>	<b>16.41</b>	<b>10.41</b>	<b>10.62</b>	<b>12.31</b>	<b>12.79</b>	<b>88.6</b>	<b>187.2</b>
Ependymoma	7	2	0	9	2.0	13.0	4.10	0.99	0.00	1.61	1.91	100.0	25.5
Astrocytoma	7	7	6	20	4.4	29.0	4.10	3.47	3.19	3.57	3.63	100.0	53.8
PNET	11	7	11	29	6.4	42.0	6.45	3.47	5.84	5.17	5.31	93.1	78.8
Other Gliomas	1	3	2	6	1.3	8.7	0.59	1.49	1.06	1.07	1.02	50.0	15.7
Other Specified	2	2	0	4	0.9	5.8	1.17	0.99	0.00	0.71	0.77	100.0	10.8
Unspecified	0	0	1	1	0.2	1.4	0.00	0.00	0.53	0.18	0.15	0.0	2.7
<b>SNS TUMOURS</b>	<b>20</b>	<b>5</b>	<b>0</b>	<b>25</b>	<b>5.5</b>	<b>100.0</b>	<b>11.72</b>	<b>2.48</b>	<b>0.00</b>	<b>4.46</b>	<b>5.34</b>	<b>96.0</b>	<b>71.0</b>
Neuroblastoma &													
Ganglioneuroblastoma	20	5	0	25	5.5	100.0	11.72	2.48	0.00	4.46	5.34	96.0	71.0
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>3.3</b>	<b>100.0</b>	<b>8.79</b>	<b>0.00</b>	<b>0.00</b>	<b>2.68</b>	<b>3.40</b>	<b>60.0</b>	<b>44.0</b>
<b>RENAL TUMOURS</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>12</b>	<b>2.6</b>	<b>100.0</b>	<b>5.27</b>	<b>0.50</b>	<b>1.06</b>	<b>2.14</b>	<b>2.51</b>	<b>95.5</b>	<b>34.2</b>
Wilms' tumour	9	1	1	11	2.4	91.7	5.27	0.50	0.53	1.96	2.36	90.9	31.5
Renal Carcinoma	0	0	1	1	0.2	8.3	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>9</b>	<b>2.0</b>	<b>100.0</b>	<b>3.52</b>	<b>0.99</b>	<b>0.53</b>	<b>1.61</b>	<b>1.84</b>	<b>85.7</b>	<b>25.2</b>
Hepatoblastoma	6	1	0	7	1.5	77.8	3.52	0.50	0.00	1.25	1.52	71.4	20.1
Hepatic Carcinoma	0	1	1	2	0.4	22.2	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.2 Number of cases, Relative Frequencies and Incidence Rates for MALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>1</b>	<b>7</b>	<b>13</b>	<b>21</b>	<b>4.6</b>	<b>100.0</b>	<b>0.59</b>	<b>3.47</b>	<b>6.90</b>	<b>3.75</b>	<b>3.35</b>	<b>100.0</b>	<b>54.8</b>
Osteosarcoma	0	6	11	17	3.8	81.0	0.00	2.98	5.84	3.03	2.66	100.0	44.1
Chondroblastoma	0	0	1	1	0.2	4.8	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Ewing's Sarcoma	1	1	1	3	0.7	14.3	0.59	0.50	0.53	0.54	0.54	100.0	8.1
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>13</b>	<b>2</b>	<b>2</b>	<b>17</b>	<b>3.8</b>	<b>100.0</b>	<b>7.62</b>	<b>0.99</b>	<b>1.06</b>	<b>3.03</b>	<b>3.58</b>	<b>100.0</b>	<b>48.4</b>
Rhabdomyosarcoma	9	1	1	11	2.4	64.7	5.27	0.50	0.53	1.96	2.36	100.0	31.5
Fibrosarcoma	1	0	0	1	0.2	5.9	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	3	1	1	5	1.1	29.4	1.76	0.50	0.53	0.89	0.99	100.0	13.9
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>18</b>	<b>5</b>	<b>16</b>	<b>39</b>	<b>8.6</b>	<b>100.0</b>	<b>10.55</b>	<b>2.48</b>	<b>8.49</b>	<b>6.96</b>	<b>7.35</b>	<b>100.0</b>	<b>107.6</b>
CNS GCT	0	5	12	17	3.8	43.6	0.00	2.48	6.37	3.03	2.65	100.0	44.3
Other Non-gonadal GCT	5	0	4	9	2.0	23.1	2.93	0.00	2.12	1.61	1.75	100.0	25.3
Gonadal GCT	13	0	0	13	2.9	33.3	7.62	0.00	0.00	2.32	2.95	100.0	38.1
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>1.1</b>	<b>100.0</b>	<b>0.00</b>	<b>1.49</b>	<b>3.19</b>	<b>0.89</b>	<b>1.40</b>	<b>100.0</b>	<b>23.4</b>
Adrenocortical	0	0	0	0	0.0	0.0	0.00	0.50	1.59	0.00	0.62	100.0	10.4
Thyroid	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	0	1	3	4	0.9	80.0	0.00	0.50	1.59	0.71	0.62	100.0	10.4
Melanoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	1	0	1	0.2	20.0	0.00	0.50	0.00	0.18	0.16	100.0	2.5
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.2</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.53</b>	<b>0.18</b>	<b>0.15</b>	<b>100.0</b>	<b>2.7</b>
Other Specified	0	0	1	1	0.2	100.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Other Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>223</b>	<b>104</b>	<b>126</b>	<b>453</b>	<b>100.0</b>	<b>-</b>	<b>130.70</b>	<b>52.07</b>	<b>68.49</b>	<b>80.80</b>	<b>87.27</b>	<b>93.7</b>	<b>1256.3</b>

Table 1.3 Number of cases, Relative Frequencies and Incidence Rates for CHINESE MALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>73</b>	<b>32</b>	<b>27</b>	<b>132</b>	<b>41.0</b>	<b>100.0</b>	<b>42.78</b>	<b>15.87</b>	<b>14.33</b>	<b>23.54</b>	<b>25.84</b>	<b>100.0</b>	<b>364.9</b>
Lymphoid	60	29	16	105	32.6	79.5	35.17	14.38	8.49	18.73	20.72	100.0	290.2
Acute Non-Lymphocytic	13	3	9	25	7.8	18.9	7.62	1.49	4.78	4.46	4.82	100.0	69.4
Chronic Myeloic	0	0	2	2	0.6	1.5	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>7</b>	<b>11</b>	<b>15</b>	<b>33</b>	<b>10.2</b>	<b>100.0</b>	<b>4.10</b>	<b>5.45</b>	<b>7.96</b>	<b>5.89</b>	<b>5.66</b>	<b>100.0</b>	<b>87.6</b>
Hodgkin's Disease	0	2	4	6	1.9	18.2	0.00	0.99	2.12	1.07	0.94	100.0	15.6
Non-Hodgkin lymphoma	4	7	10	21	6.5	63.6	2.34	3.47	5.31	3.75	3.57	100.0	55.6
Burkitt's lymphoma	3	2	1	6	1.9	18.2	1.76	0.99	0.53	1.07	1.15	100.0	16.4
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>19</b>	<b>17</b>	<b>15</b>	<b>51</b>	<b>15.8</b>	<b>100.0</b>	<b>11.14</b>	<b>8.43</b>	<b>7.96</b>	<b>9.10</b>	<b>9.34</b>	<b>86.9</b>	<b>137.6</b>
Ependymoma	6	2	0	8	2.5	15.7	3.52	0.99	0.00	1.43	1.68	100.0	22.5
Astrocytoma	5	5	5	15	4.7	29.4	2.93	2.48	2.65	2.68	2.70	100.0	40.3
PNET	6	5	8	19	5.9	37.3	3.52	2.48	4.25	3.39	3.39	94.7	51.2
Other Gliomas	1	3	1	5	1.6	9.8	0.59	1.49	0.53	0.89	0.86	40.0	13.0
Other Specified	1	2	0	3	0.9	5.9	0.59	0.99	0.00	0.54	0.55	100.0	7.9
Unspecified	0	0	1	1	0.3	2.0	0.00	0.00	0.53	0.18	0.15	0.0	2.7
<b>SNS TUMOURS</b>	<b>15</b>	<b>5</b>	<b>0</b>	<b>20</b>	<b>6.2</b>	<b>100.0</b>	<b>8.79</b>	<b>2.48</b>	<b>0.00</b>	<b>3.57</b>	<b>4.20</b>	<b>100.0</b>	<b>56.4</b>
Neuroblastoma &													
Ganglioneuroblastoma	15	5	0	20	6.2	100.0	8.79	2.48	0.00	3.57	4.20	100.0	56.4
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>3.4</b>	<b>100.0</b>	<b>6.45</b>	<b>0.00</b>	<b>0.00</b>	<b>1.96</b>	<b>2.50</b>	<b>63.6</b>	<b>32.2</b>
<b>RENAL TUMOURS</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>2.5</b>	<b>100.0</b>	<b>4.10</b>	<b>0.50</b>	<b>0.00</b>	<b>1.43</b>	<b>0.00</b>	<b>87.5</b>	<b>23.0</b>
Wilms' tumour	7	1	0	8	2.5	100.0	4.10	0.50	0.00	1.43	1.75	87.5	23.0
Renal Carcinoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>2.5</b>	<b>100.0</b>	<b>2.93</b>	<b>0.99</b>	<b>0.53</b>	<b>1.43</b>	<b>1.61</b>	<b>83.3</b>	<b>22.3</b>
Hepatoblastoma	5	1	0	6	1.9	75.0	2.93	0.50	0.00	1.07	1.29	66.7	17.1
Hepatic Carcinoma	0	1	1	2	0.6	25.0	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0



Table 1.3 Number of cases, Relative Frequencies and Incidence Rates for CHINESE MALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>5.0</b>	<b>100.0</b>	<b>0.00</b>	<b>2.98</b>	<b>5.31</b>	<b>2.85</b>	<b>2.50</b>	<b>100.0</b>	<b>41.4</b>
Osteosarcoma	0	5	9	14	4.3	87.5	0.00	2.48	4.78	2.50	2.19	100.0	36.3
Chondroblastoma	0	0	1	1	0.3	6.3	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Ewing's Sarcoma	0	1	0	1	0.3	6.3	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>12</b>	<b>3.7</b>	<b>100.0</b>	<b>5.27</b>	<b>0.99</b>	<b>0.53</b>	<b>2.14</b>	<b>2.52</b>	<b>100.0</b>	<b>34.0</b>
Rhabdomyosarcoma	6	1	0	7	2.2	58.3	3.52	0.50	0.00	1.25	1.52	100.0	20.1
Fibrosarcoma	1	0	0	1	0.3	8.3	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	2	1	1	4	1.2	33.3	1.17	0.50	0.53	0.71	0.77	100.0	11.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>12</b>	<b>5</b>	<b>12</b>	<b>29</b>	<b>9.0</b>	<b>100.0</b>	<b>7.03</b>	<b>2.48</b>	<b>6.37</b>	<b>5.17</b>	<b>5.37</b>	<b>100.0</b>	<b>79.4</b>
CNS GCT	0	5	10	15	4.7	51.7	0.00	2.48	5.31	2.68	2.34	100.0	38.9
Other Non-gonadal GCT	3	0	2	5	1.6	17.2	1.76	0.00	1.06	0.89	0.99	100.0	14.1
Gonadal GCT	9	0	0	9	2.8	31.0	5.27	0.00	0.00	1.61	2.04	100.0	26.4
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0.3</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>0.00</b>	<b>0.18</b>	<b>0.16</b>	<b>100.0</b>	<b>2.5</b>
Adrenocortical	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Melanoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	1	0	1	0.3	100.0	0.00	0.50	0.00	0.18	0.16	100.0	2.5
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.3</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.53</b>	<b>0.18</b>	<b>0.15</b>	<b>100.0</b>	<b>2.7</b>
Other Specified	0	0	1	1	0.3	100.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Other Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>158</b>	<b>82</b>	<b>82</b>	<b>322</b>	<b>100.0</b>	<b>-</b>	<b>92.60</b>	<b>40.66</b>	<b>43.54</b>	<b>57.43</b>	<b>59.85</b>	<b>93.4</b>	<b>884.0</b>

Table 1.4 Number of cases, Relative Frequencies and Incidence Rates for MALAY MALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>15</b>	<b>8</b>	<b>11</b>	<b>34</b>	<b>37.8</b>	<b>100.0</b>	<b>8.79</b>	<b>3.97</b>	<b>5.84</b>	<b>6.06</b>	<b>6.38</b>	<b>100.0</b>	<b>93.0</b>
Lymphoid	10	7	8	25	27.8	73.5	5.86	3.47	4.25	4.46	4.62	100.0	67.9
Acute Non-Lymphocytic	3	1	1	5	5.6	14.7	1.76	0.50	0.53	0.89	0.99	100.0	13.9
Chronic Myeloic	0	0	2	2	2.2	5.9	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Other Specified	2	0	0	2	2.2	5.9	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>4</b>	<b>2</b>	<b>7</b>	<b>13</b>	<b>14.4</b>	<b>100.0</b>	<b>2.34</b>	<b>0.99</b>	<b>3.72</b>	<b>2.32</b>	<b>2.31</b>	<b>100.0</b>	<b>35.3</b>
Hodgkin's Disease	0	0	3	3	3.3	23.1	0.00	0.00	1.59	0.54	0.46	100.0	8.0
Non-Hodgkin lymphoma	3	1	4	8	8.9	61.5	1.76	0.50	2.12	1.43	1.46	100.0	21.9
Burkitt's lymphoma	1	1	0	2	2.2	15.4	0.59	0.50	0.00	0.36	0.39	100.0	5.4
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>7</b>	<b>2</b>	<b>5</b>	<b>14</b>	<b>15.6</b>	<b>100.0</b>	<b>4.10</b>	<b>0.99</b>	<b>2.65</b>	<b>2.50</b>	<b>2.68</b>	<b>97.1</b>	<b>38.7</b>
Ependymoma	1	0	0	1	1.1	7.1	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Astrocytoma	2	1	1	4	4.4	28.6	1.17	0.50	0.53	0.71	0.77	100.0	11.0
PNET	3	1	3	7	7.8	50.0	1.76	0.50	1.59	1.25	1.30	85.7	19.2
Other Gliomas	0	0	1	1	1.1	7.1	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Other Specified	1	0	0	1	1.1	7.1	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SNS TUMOURS</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5.6</b>	<b>100.0</b>	<b>2.93</b>	<b>0.00</b>	<b>0.00</b>	<b>0.89</b>	<b>1.13</b>	<b>80.0</b>	<b>14.7</b>
Neuroblastoma &													
Ganglioneuroblastoma	5	0	0	5	5.6	100.0	2.93	0.00	0.00	0.89	1.13	80.0	14.7
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2.2</b>	<b>100.0</b>	<b>1.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.45</b>	<b>50.0</b>	<b>5.9</b>
<b>RENAL TUMOURS</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4.4</b>	<b>100.0</b>	<b>1.17</b>	<b>0.00</b>	<b>1.06</b>	<b>0.71</b>	<b>0.76</b>	<b>100.0</b>	<b>11.2</b>
Wilms' tumour	2	0	1	3	3.3	75.0	1.17	0.00	0.53	0.54	0.61	100.0	8.5
Renal Carcinoma	0	0	1	1	1.1	25.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Unspecified				0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1.1</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.18</b>	<b>0.23</b>	<b>100.0</b>	<b>2.9</b>
Hepatoblastoma	1	0	0	1	1.1	100.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Hepatic Carcinoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.4 Number of cases, Relative Frequencies and Incidence Rates for MALAY MALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>3.3</b>	<b>100.0</b>	<b>0.59</b>	<b>0.50</b>	<b>0.53</b>	<b>0.54</b>	<b>0.54</b>	<b>100.0</b>	<b>8.1</b>
Osteosarcoma	0	1	0	1	1.1	33.3	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Chondroblastoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	1	0	1	2	2.2	66.7	0.59	0.00	0.53	0.36	0.38	100.0	5.6
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3.3</b>	<b>100.0</b>	<b>1.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.68</b>	<b>100.0</b>	<b>8.8</b>
Rhabdomyosarcoma	2	0	0	2	2.2	66.7	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Fibrosarcoma	1	0	0	1	1.1	33.3	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>7</b>	<b>7.8</b>	<b>100.0</b>	<b>1.76</b>	<b>0.00</b>	<b>2.12</b>	<b>1.25</b>	<b>1.30</b>	<b>100.0</b>	<b>19.4</b>
CNS GCT	0	0	2	2	2.2	28.6	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Other Non-gonadal GCT	1	0	2	3	3.3	42.9	0.59	0.00	1.06	0.54	0.54	100.0	8.2
Gonadal GCT	2	0	0	2	2.2	28.6	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>4.4</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>1.59</b>	<b>0.71</b>	<b>0.69</b>	<b>100.0</b>	<b>10.9</b>
Adrenocortical	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	1	0	3	4	4.4	100.0	0.59	0.00	1.59	0.71	0.69	100.0	10.9
Melanoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>44</b>	<b>13</b>	<b>33</b>	<b>90</b>	<b>100.0</b>	<b>-</b>	<b>25.79</b>	<b>6.45</b>	<b>17.52</b>	<b>16.05</b>	<b>17.15</b>	<b>93.4</b>	<b>248.8</b>

Table 1.5 Number of cases, Relative Frequencies and Incidence Rates for INDIAN MALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>43.8</b>	<b>100.0</b>	<b>5.27</b>	<b>1.49</b>	<b>1.06</b>	<b>2.50</b>	<b>2.83</b>	<b>100.0</b>	<b>39.1</b>
Lymphoid	9	3	1	13	40.6	92.9	5.27	1.49	0.53	2.32	2.68	100.0	36.5
Acute Non-Lymphocytic	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	100.0	0.0
Chronic Myeloic	0	0	1	1	3.1	7.1	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>21.9</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>3.19</b>	<b>1.25</b>	<b>1.08</b>	<b>100.0</b>	<b>18.4</b>
Hodgkin's Disease	0	0	1	1	3.1	14.3	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Non-Hodgkin lymphoma	0	0	4	4	12.5	57.1	0.00	0.00	2.12	0.71	0.62	100.0	10.6
Burkitt's lymphoma	0	1	1	2	6.3	28.6	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>9.4</b>	<b>100.0</b>	<b>0.59</b>	<b>0.99</b>	<b>0.00</b>	<b>0.54</b>	<b>0.55</b>	<b>100.0</b>	<b>7.9</b>
Ependymoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Astrocytoma	0	1	0	1	3.1	33.3	0.00	0.50	0.00	0.18	0.16	100.0	2.5
PNET	1	1	0	2	6.3	66.7	0.59	0.50	0.00	0.36	0.39	100.0	5.4
Other Gliomas	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SNS TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Neuroblastoma &													
Ganglioneuroblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Others	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6.3</b>	<b>100.0</b>	<b>1.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.45</b>	<b>50.0</b>	<b>5.9</b>
<b>RENAL TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Wilms' tumour	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Renal Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Hepatoblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Hepatic Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.5 Number of cases, Relative Frequencies and Incidence Rates for INDIAN MALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6.3</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>1.06</b>	<b>0.36</b>	<b>0.31</b>	<b>100.0</b>	<b>5.3</b>
Osteosarcoma	0	0	2	2	6.3	100.0	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Chondroblastoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>6.3</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>0.53</b>	<b>0.36</b>	<b>0.38</b>	<b>100.0</b>	<b>5.6</b>
Rhabdomyosarcoma	1	0	1	2	6.3	100.0	0.59	0.00	0.53	0.36	0.38	100.0	5.6
Fibrosarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6.3</b>	<b>100.0</b>	<b>1.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.45</b>	<b>100.0</b>	<b>5.9</b>
CNS GCT	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Non-gonadal GCT	1	0	0	1	3.1	50.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Gonadal GCT	1	0	0	1	3.1	50.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Adrenocortical	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Melanoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>15</b>	<b>6</b>	<b>11</b>	<b>32</b>	<b>100.0</b>	<b>-</b>	<b>8.79</b>	<b>2.98</b>	<b>5.84</b>	<b>5.71</b>	<b>6.06</b>	<b>92.9</b>	<b>88.0</b>

Table 1.6 Number of cases, Relative Frequencies and Incidence Rates for OTHER MALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>66.7</b>	<b>100.0</b>	<b>2.93</b>	<b>0.50</b>	<b>0.00</b>	<b>1.07</b>	<b>1.29</b>	<b>100.0</b>	<b>17.1</b>
Lymphoid	4	1	0	5	55.6	83.3	2.34	0.50	0.00	0.89	1.07	100.0	14.2
Acute Non-Lymphocytic	1	0	0	1	11.1	16.7	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Chronic Myeloic	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>11.1</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>0.00</b>	<b>0.18</b>	<b>0.16</b>	<b>100.0</b>	<b>2.5</b>
Hodgkin's Disease	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Non-Hodgkin lymphoma	0	1	0	1	11.1	100.0	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Burkitt's lymphoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>11.1</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.18</b>	<b>0.23</b>	<b>100.0</b>	<b>2.9</b>
Ependymoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Astrocytoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
PNET	1	0	0	1	11.1	100.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Other Gliomas	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SNS TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Neuroblastoma &													
Ganglioneuroblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Others	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
<b>RENAL TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Wilms' tumour	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Renal Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Hepatoblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Hepatic Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.6 Number of cases, Relative Frequencies and Incidence Rates for OTHER MALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Osteosarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Chondroblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Rhabdomyosarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Fibrosarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Kaposi's sarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>11.1</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.18</b>	<b>0.23</b>	<b>100.0</b>	<b>2.9</b>
CNS GCT	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Non-gonadal GCT	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Gonadal GCT	1	0	0	1	11.1	100.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Adrenocortical	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Melanoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>100.0</b>	<b>-</b>	<b>4.10</b>	<b>0.99</b>	<b>0.00</b>	<b>1.61</b>	<b>1.91</b>	<b>100.0</b>	<b>25.5</b>

Table 1.7 Number of cases, Relative Frequencies and Incidence Rates for FEMALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>66</b>	<b>41</b>	<b>24</b>	<b>131</b>	<b>40.4</b>	<b>100.0</b>	<b>38.68</b>	<b>20.33</b>	<b>12.74</b>	<b>23.37</b>	<b>25.23</b>	<b>100.0</b>	<b>358.8</b>
Lymphoid	52	30	17	99	30.6	75.6	30.48	14.88	9.03	17.66	19.22	100.0	271.9
Acute Non-Lymphocytic	14	10	3	27	8.3	20.6	8.21	4.96	1.59	4.82	5.24	100.0	73.8
Chronic Myeloic	0	1	4	5	1.5	3.8	0.00	0.50	2.12	0.89	0.78	100.0	13.1
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>6</b>	<b>3</b>	<b>11</b>	<b>20</b>	<b>6.2</b>	<b>100.0</b>	<b>3.52</b>	<b>1.49</b>	<b>5.84</b>	<b>3.57</b>	<b>3.54</b>	<b>100.0</b>	<b>54.2</b>
Hodgkin's Disease	0	1	2	3	0.9	15.0	0.00	0.50	1.06	0.54	0.47	100.0	7.8
Non-Hodgkin lymphoma	4	2	9	15	4.6	75.0	2.34	0.99	4.78	2.68	2.61	100.0	40.6
Burkitt's lymphoma	2	0	0	2	0.6	10.0	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>24</b>	<b>30</b>	<b>12</b>	<b>66</b>	<b>20.4</b>	<b>100.0</b>	<b>14.07</b>	<b>14.88</b>	<b>6.37</b>	<b>11.77</b>	<b>12.09</b>	<b>85.9</b>	<b>176.6</b>
Ependymoma	2	0	0	2	0.6	3.0	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Astrocytoma	7	8	7	22	6.8	33.3	4.10	3.97	3.72	3.92	3.95	100.0	58.9
PNET	13	12	1	26	8.0	39.4	7.62	5.95	0.53	4.64	5.02	96.2	70.5
Other Gliomas	2	7	3	12	3.7	18.2	1.17	3.47	1.59	2.14	2.04	33.3	31.2
Other Specified	0	1	1	2	0.6	3.0	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Unspecified	0	2	0	2	0.6	3.0	0.00	0.99	0.00	0.36	0.32	0.0	5.0
<b>SNS TUMOURS</b>	<b>14</b>	<b>2</b>	<b>0</b>	<b>16</b>	<b>4.9</b>	<b>100.0</b>	<b>8.21</b>	<b>0.99</b>	<b>0.00</b>	<b>2.85</b>	<b>3.50</b>	<b>100.0</b>	<b>46.0</b>
Neuroblastoma & Ganglioneuroblastoma	14	2	0	16	4.9	100.0	8.21	0.99	0.00	2.85	3.50	100.0	46.0
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>1.9</b>	<b>100.0</b>	<b>2.93</b>	<b>0.50</b>	<b>0.00</b>	<b>1.07</b>	<b>1.29</b>	<b>66.7</b>	<b>17.1</b>
<b>RENAL TUMOURS</b>	<b>7</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>3.4</b>	<b>100.0</b>	<b>4.10</b>	<b>1.49</b>	<b>0.53</b>	<b>1.96</b>	<b>2.22</b>	<b>100.0</b>	<b>30.6</b>
Wilms' tumour	7	2	0	9	2.8	81.8	4.10	0.99	0.00	1.61	1.91	100.0	25.5
Renal Carcinoma	0	1	1	2	0.6	18.2	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>2.2</b>	<b>100.0</b>	<b>3.52</b>	<b>0.00</b>	<b>0.53</b>	<b>1.25</b>	<b>1.52</b>	<b>83.3</b>	<b>20.2</b>
Hepatoblastoma	6	0	0	6	1.9	85.7	3.52	0.00	0.00	1.07	1.36	66.7	17.6
Hepatic Carcinoma	0	0	1	1	0.3	14.3	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0



Table 1.7 Number of cases, Relative Frequencies and Incidence Rates for FEMALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>10</b>	<b>9</b>	<b>19</b>	<b>5.9</b>	<b>100.0</b>	<b>0.00</b>	<b>4.96</b>	<b>4.78</b>	<b>3.39</b>	<b>2.99</b>	<b>100.0</b>	<b>48.7</b>
Osteosarcoma	0	8	8	16	4.9	84.2	0.00	3.97	4.25	2.85	2.51	100.0	41.1
Chondroblastoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	2	1	3	0.9	15.8	0.00	0.99	0.53	0.54	0.47	100.0	7.6
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>13</b>	<b>4.0</b>	<b>100.0</b>	<b>2.34</b>	<b>1.98</b>	<b>2.65</b>	<b>2.32</b>	<b>2.32</b>	<b>100.0</b>	<b>34.9</b>
Rhabdomyosarcoma	2	3	0	5	1.5	38.5	1.17	1.49	0.00	0.89	0.93	100.0	13.3
Fibrosarcoma	1	0	2	3	0.9	23.1	0.59	0.00	1.06	0.54	0.54	100.0	8.2
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	2	2	0.6	15.4	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Unspecified	1	1	1	3	0.9	23.1	0.59	0.50	0.53	0.54	0.54	100.0	8.1
<b>NEOPLASMS</b>	<b>7</b>	<b>9</b>	<b>6</b>	<b>22</b>	<b>6.8</b>	<b>100.0</b>	<b>4.10</b>	<b>4.46</b>	<b>3.19</b>	<b>3.92</b>	<b>3.95</b>	<b>100.0</b>	<b>58.8</b>
CNS GCT	0	3	3	6	1.9	27.3	0.00	1.49	1.59	1.07	0.94	100.0	15.4
Other Non-gonadal GCT	6	0	0	6	1.9	27.3	3.52	0.00	0.00	1.07	1.36	100.0	17.6
Gonadal GCT	1	6	3	10	3.1	45.5	0.59	2.98	1.59	1.78	1.65	100.0	25.8
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>1</b>	<b>1</b>	<b>8</b>	<b>10</b>	<b>3.1</b>	<b>100.0</b>	<b>0.59</b>	<b>0.50</b>	<b>4.25</b>	<b>1.78</b>	<b>1.62</b>	<b>100.0</b>	<b>26.6</b>
Adrenocortical	1	0	0	1	0.3	10.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Thyroid	0	0	4	4	1.2	40.0	0.00	0.00	2.12	0.71	0.62	100.0	10.6
Nasopharyngeal	0	0	1	1	0.3	10.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Melanoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	1	3	4	1.2	40.0	0.00	0.50	1.59	0.71	0.62	100.0	10.4
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>0.9</b>	<b>100.0</b>	<b>0.59</b>	<b>0.50</b>	<b>0.53</b>	<b>0.54</b>	<b>0.54</b>	<b>50.0</b>	<b>8.1</b>
Other Specified	1	0	1	2	0.6	66.7	0.59	0.00	0.53	0.36	0.38	100.0	5.6
Other Unspecified	0	1	0	1	0.3	33.3	0.00	0.50	0.00	0.18	0.16	0.0	2.5
<b>Total</b>	<b>141</b>	<b>105</b>	<b>78</b>	<b>324</b>	<b>100.0</b>	<b>-</b>	<b>82.64</b>	<b>52.07</b>	<b>41.41</b>	<b>57.79</b>	<b>60.81</b>	<b>90.5</b>	<b>880.6</b>

Table 1.8 Number of cases, Relative Frequencies and Incidence Rates for CHINESE FEMALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>44</b>	<b>27</b>	<b>16</b>	<b>87</b>	<b>39.0</b>	<b>100.0</b>	<b>25.79</b>	<b>13.39</b>	<b>8.49</b>	<b>15.52</b>	<b>16.77</b>	<b>100.0</b>	<b>238.4</b>
Lymphoid	34	20	13	67	30.0	77.0	19.93	9.92	6.90	11.95	12.92	100.0	183.7
Acute Non-Lymphocytic	10	7	1	18	8.1	20.7	5.86	3.47	0.53	3.21	3.54	100.0	49.3
Chronic Myeloic	0	0	2	2	0.9	2.3	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>14</b>	<b>6.3</b>	<b>100.0</b>	<b>2.93</b>	<b>1.49</b>	<b>3.19</b>	<b>2.50</b>	<b>2.54</b>	<b>100.0</b>	<b>38.0</b>
Hodgkin's Disease	0	1	0	1	0.4	7.1	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Non-Hodgkin lymphoma	4	2	6	12	5.4	85.7	2.34	0.99	3.19	2.14	2.15	100.0	32.6
Burkitt's lymphoma	1	0	0	1	0.4	7.1	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>17</b>	<b>21</b>	<b>10</b>	<b>48</b>	<b>21.5</b>	<b>100.0</b>	<b>9.96</b>	<b>10.41</b>	<b>5.31</b>	<b>8.56</b>	<b>8.76</b>	<b>82.5</b>	<b>128.4</b>
Ependymoma	2			2	0.9	4.2	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Astrocytoma	4	6	6	16	7.2	33.3	2.34	2.98	3.19	2.85	2.79	100.0	42.5
PNET	10	8	1	19	8.5	39.6	5.86	3.97	0.53	3.39	3.70	100.0	51.8
Other Gliomas	1	6	1	8	3.6	16.7	0.59	2.98	0.53	1.43	1.34	12.5	20.5
Other Specified	0	1	1	2	0.9	4.2	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Unspecified	0	0	1	1	0.4	2.1	0.00	0.00	0.53	0.18	0.15	0.0	2.7
<b>SNS TUMOURS</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>4.0</b>	<b>100.0</b>	<b>5.27</b>	<b>0.00</b>	<b>0.00</b>	<b>1.61</b>	<b>2.04</b>	<b>100.0</b>	<b>26.4</b>
Neuroblastoma &													
Ganglioneuroblastoma	9	0	0	9	4.0	100.0	5.27	0.00	0.00	1.61	2.04	100.0	26.4
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1.8</b>	<b>100.0</b>	<b>2.34</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>	<b>0.91</b>	<b>75.0</b>	<b>11.7</b>
<b>RENAL TUMOURS</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>3.1</b>	<b>100.0</b>	<b>2.93</b>	<b>0.50</b>	<b>0.53</b>	<b>1.25</b>	<b>1.45</b>	<b>100.0</b>	<b>19.8</b>
Wilms' tumour	5	0	0	5	2.2	71.4	2.93	0.00	0.00	0.89	1.13	100.0	14.7
Renal Carcinoma	0	1	1	2	0.9	28.6	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>2.2</b>	<b>100.0</b>	<b>2.34</b>	<b>0.00</b>	<b>0.53</b>	<b>0.89</b>	<b>1.06</b>	<b>75.0</b>	<b>14.4</b>
Hepatoblastoma	4	0	0	4	1.8	80.0	2.34	0.00	0.00	0.71	0.91	50.0	11.7
Hepatic Carcinoma	0	0	1	1	0.4	20.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.8 Number of cases, Relative Frequencies and Incidence Rates for CHINESE FEMALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>8</b>	<b>6</b>	<b>14</b>	<b>6.3</b>	<b>100.0</b>	<b>0.00</b>	<b>3.97</b>	<b>3.19</b>	<b>2.50</b>	<b>2.20</b>	<b>100.0</b>	<b>35.8</b>
Osteosarcoma	0	8	5	13	5.8	92.9	0.00	3.97	2.65	2.32	2.05	100.0	33.1
Chondroblastoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	0	1	1	0.4	7.1	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Other Specified				0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified				0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>11</b>	<b>4.9</b>	<b>100.0</b>	<b>2.34</b>	<b>1.98</b>	<b>1.59</b>	<b>1.96</b>	<b>2.01</b>	<b>100.0</b>	<b>29.6</b>
Rhabdomyosarcoma	2	3	0	5	2.2	45.5	1.17	1.49	0.00	0.89	0.93	100.0	13.3
Fibrosarcoma	1	0	1	2	0.9	18.2	0.59	0.00	0.53	0.36	0.38	100.0	5.6
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	2	2	0.9	18.2	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Unspecified	1	1	0	2	0.9	18.2	0.59	0.50	0.00	0.36	0.39	100.0	5.4
<b>NEOPLASMS</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>17</b>	<b>7.6</b>	<b>100.0</b>	<b>3.52</b>	<b>2.98</b>	<b>2.65</b>	<b>3.03</b>	<b>3.09</b>	<b>100.0</b>	<b>45.7</b>
CNS GCT	0	2	2	4	1.8	23.5	0.00	0.99	1.06	0.71	0.63	100.0	10.3
Other Non-gonadal GCT	5	0	0	5	2.2	29.4	2.93	0.00	0.00	0.89	1.13	100.0	14.7
Gonadal GCT	1	4	3	8	3.6	47.1	0.59	1.98	1.59	1.43	1.33	100.0	20.8
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>2.2</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>2.65</b>	<b>0.89</b>	<b>0.77</b>	<b>100.0</b>	<b>13.3</b>
Adrenocortical	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	3	3	1.3	60.0	0.00	0.00	1.59	0.54	0.46	100.0	8.0
Nasopharyngeal	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Melanoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	2	2	0.9	40.0	0.00	0.00	1.06	0.36	0.31	100.0	5.3
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0.9</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>0.53</b>	<b>0.36</b>	<b>0.38</b>	<b>100.0</b>	<b>5.6</b>
Other Specified	1	0	1	2	0.9	100.0	0.59	0.00	0.53	0.36	0.38	100.0	5.6
Other Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>99</b>	<b>70</b>	<b>54</b>	<b>223</b>	<b>100.0</b>	<b>-</b>	<b>58.02</b>	<b>34.71</b>	<b>28.67</b>	<b>39.78</b>	<b>41.98</b>	<b>94.4</b>	<b>607.0</b>

Table 1.9 Number of cases, Relative Frequencies and Incidence Rates for MALAY FEMALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>11</b>	<b>12</b>	<b>8</b>	<b>31</b>	<b>40.8</b>	<b>100.0</b>	<b>6.45</b>	<b>5.95</b>	<b>4.25</b>	<b>5.53</b>	<b>5.65</b>	<b>100.0</b>	<b>83.2</b>
Lymphoid	9	8	4	21	27.6	67.7	5.27	3.97	2.12	3.75	3.94	100.0	56.8
Acute Non-Lymphocytic	2	3	2	7	9.2	22.6	1.17	1.49	1.06	1.25	1.24	100.0	18.6
Chronic Myeloic	0	1	2	3	3.9	9.7	0.00	0.50	1.06	0.54	0.47	100.0	7.8
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>5.3</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>1.59</b>	<b>0.71</b>	<b>0.69</b>	<b>100.0</b>	<b>10.9</b>
Hodgkin's Disease	0	0	2	2	2.6	50.0	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Non-Hodgkin lymphoma	0	0	1	1	1.3	25.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Burkitt's lymphoma	1	0	0	1	1.3	25.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>5</b>	<b>8</b>	<b>1</b>	<b>14</b>	<b>18.4</b>	<b>100.0</b>	<b>2.93</b>	<b>3.97</b>	<b>0.53</b>	<b>2.50</b>	<b>2.57</b>	<b>100.0</b>	<b>37.1</b>
Ependymoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Astrocytoma	2	2	1	5	6.6	35.7	1.17	0.99	0.53	0.89	0.93	100.0	13.5
PNET	2	3	0	5	6.6	35.7	1.17	1.49	0.00	0.89	0.93	100.0	13.3
Other Gliomas	1	2	0	3	3.9	21.4	0.59	0.99	0.00	0.54	0.55	100.0	7.9
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	1	0	1	1.3	7.1	0.00	0.50	0.00	0.18	0.16	0.0	2.5
<b>SNS TUMOURS</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>5.3</b>	<b>100.0</b>	<b>2.34</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>	<b>0.91</b>	<b>100.0</b>	<b>11.7</b>
Neuroblastoma &													
Ganglioneuroblastoma	4	0	0	4	5.3	100.0	2.34	0.00	0.00	0.71	0.91	100.0	11.7
Others				0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2.6</b>	<b>100.0</b>	<b>0.59</b>	<b>0.50</b>	<b>0.00</b>	<b>0.36</b>	<b>0.39</b>	<b>50.0</b>	<b>5.4</b>
<b>RENAL TUMOURS</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>3.9</b>	<b>100.0</b>	<b>1.17</b>	<b>0.50</b>	<b>0.00</b>	<b>0.54</b>	<b>0.61</b>	<b>100.0</b>	<b>8.3</b>
Wilms' tumour	2	1	0	3	3.9	100.0	1.17	0.50	0.00	0.54	0.61	100.0	8.3
Renal Carcinoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2.6</b>	<b>100.0</b>	<b>1.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.45</b>	<b>100.0</b>	<b>5.9</b>
Hepatoblastoma	2	0	0	2	2.6	100.0	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Hepatic Carcinoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.9 Number of cases, Relative Frequencies and Incidence Rates for MALAY FEMALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>5.3</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>1.59</b>	<b>0.71</b>	<b>0.62</b>	<b>100.0</b>	<b>10.4</b>
Osteosarcoma	0	0	3	3	3.9	75.0	0.00	0.00	1.59	0.54	0.46	100.0	8.0
Chondroblastoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	1	0	1	1.3	25.0	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1.3</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.53</b>	<b>0.18</b>	<b>0.15</b>	<b>100.0</b>	<b>2.7</b>
Rhabdomyosarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Fibrosarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	1	1	1.3	100.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
<b>NEOPLASMS</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>6.6</b>	<b>100.0</b>	<b>0.59</b>	<b>1.49</b>	<b>0.53</b>	<b>0.89</b>	<b>0.86</b>	<b>100.0</b>	<b>13.0</b>
CNS GCT	0	1	1	2	2.6	40.0	0.00	0.50	0.53	0.36	0.31	100.0	5.1
Other Non-gonadal GCT	1	0	0	1	1.3	20.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Gonadal GCT	0	2	0	2	2.6	40.0	0.00	0.99	0.00	0.36	0.32	100.0	5.0
Other & Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>6.6</b>	<b>100.0</b>	<b>0.59</b>	<b>0.50</b>	<b>1.59</b>	<b>0.89</b>	<b>0.85</b>	<b>100.0</b>	<b>13.4</b>
Adrenocortical	1	0		1	1.3	20.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Thyroid	0	0	1	1	1.3	20.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Nasopharyngeal	0	0	1	1	1.3	20.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Melanoma	0	0		0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0		0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	1	1	2	2.6	40.0	0.00	0.50	0.53	0.36	0.31	100.0	5.1
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1.3</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>0.00</b>	<b>0.18</b>	<b>0.16</b>	<b>0.0</b>	<b>2.5</b>
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Unspecified	0	1	0	1	1.3	100.0	0.00	0.50	0.00	0.18	0.16	0.0	2.5
<b>Total</b>	<b>28</b>	<b>28</b>	<b>20</b>	<b>76</b>	<b>100.0</b>	<b>-</b>	<b>16.41</b>	<b>13.88</b>	<b>10.62</b>	<b>13.56</b>	<b>13.91</b>	<b>95.5</b>	<b>204.6</b>

Table 1.10 Number of cases, Relative Frequencies and Incidence Rates for INDIAN FEMALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>35.3</b>	<b>100.0</b>	<b>2.93</b>	<b>0.50</b>	<b>0.00</b>	<b>1.07</b>	<b>1.29</b>	<b>100.0</b>	<b>17.1</b>
Lymphoid	4	1	0	5	29.4	83.3	2.34	0.50	0.00	0.89	1.07	100.0	14.2
Acute Non-Lymphocytic	1	0	0	1	5.9	16.7	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Chronic Myeloic	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>11.8</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>1.06</b>	<b>0.36</b>	<b>0.31</b>	<b>100.0</b>	<b>5.3</b>
Hodgkin's Disease	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Non-Hodgkin lymphoma	0	0	2	2	11.8	100.0	0.00	0.00	1.06	0.36	0.31	100.0	5.3
Burkitt's lymphoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Misc	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>23.5</b>	<b>100.0</b>	<b>1.76</b>	<b>0.50</b>	<b>0.00</b>	<b>0.71</b>	<b>0.84</b>	<b>50.0</b>	<b>11.3</b>
Ependymoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Astrocytoma	1	0	0	1	5.9	25.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
PNET	1	1	0	2	11.8	50.0	0.59	0.50	0.00	0.36	0.39	50.0	5.4
Other Gliomas	1	0	0	1	5.9	25.0	0.59	0.00	0.00	0.18	0.23	0.0	2.9
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SNS TUMOURS</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>11.8</b>	<b>100.0</b>	<b>1.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.45</b>	<b>100.0</b>	<b>5.9</b>
Neuroblastoma &													
Ganglioneuroblastoma	2	0	0	2	11.8	100.0	1.17	0.00	0.00	0.36	0.45	100.0	5.9
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
<b>RENAL TUMOURS</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>5.9</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>0.00</b>	<b>0.18</b>	<b>0.16</b>	<b>100.0</b>	<b>2.5</b>
Wilms' tumour	0	1	0	1	5.9	100.0	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Renal Carcinoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Hepatoblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Hepatic Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0

Table 1.10 Number of cases, Relative Frequencies and Incidence Rates for INDIAN FEMALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>5.9</b>	<b>100.0</b>	<b>0.00</b>	<b>0.50</b>	<b>0.00</b>	<b>0.18</b>	<b>0.16</b>	<b>100.0</b>	<b>2.5</b>
Osteosarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Chondroblastoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	1	0	1	5.9	100.0	0.00	0.50	0.00	0.18	0.16	100.0	2.5
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5.9</b>	<b>100.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.53</b>	<b>0.18</b>	<b>0.15</b>	<b>100.0</b>	<b>2.7</b>
Rhabdomyosarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Fibrosarcoma	0	0	1	1	5.9	100.0	0.00	0.00	0.53	0.18	0.15	100.0	2.7
Kaposi's sarcoma	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
CNS GCT	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Non-gonadal GCT	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Gonadal GCT	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Adrenocortical	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Melanoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>17</b>	<b>100.0</b>	<b>-</b>	<b>5.86</b>	<b>1.98</b>	<b>1.59</b>	<b>3.03</b>	<b>3.37</b>	<b>54.2</b>	<b>47.2</b>

Table 1.11 Number of cases, Relative Frequencies and Incidence Rates for OTHER FEMALE Children in Singapore, 1997-2005

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>LEUKEMIA</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>87.5</b>	<b>100.0</b>	<b>3.52</b>	<b>0.50</b>	<b>0.00</b>	<b>1.25</b>	<b>1.52</b>	<b>100.0</b>	<b>20.1</b>
Lymphoid	5	1	0	6	75.0	85.7	2.93	0.50	0.00	1.07	1.29	100.0	17.1
Acute Non-Lymphocytic	1	0	0	1	12.5	14.3	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Chronic Myeloic	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>LYMPHOMAS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Hodgkin's Disease	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Non-Hodgkin lymphoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Burkitt's lymphoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Misc	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CNS NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Ependymoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Astrocytoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
PNET	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Gliomas	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SNS TUMOURS</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>12.5</b>	<b>100.0</b>	<b>0.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.18</b>	<b>0.23</b>	<b>100.0</b>	<b>2.9</b>
Neuroblastoma &													
Ganglioneuroblastoma	1	0	0	1	12.5	100.0	0.59	0.00	0.00	0.18	0.23	100.0	2.9
Others	0	0	0	0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>RETINOBLASTOMA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
<b>RENAL TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Wilms' tumour	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Renal Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>HEPATIC TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Hepatoblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Hepatic Carcinoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0



Table 1.11 Number of cases, Relative Frequencies and Incidence Rates for OTHER FEMALE Children in Singapore, 1997-2005 (Continue)

Absolute Counts	No. of Cases				RF%	RF Grp%	Rates Per Million				ASR	%MV	CUM
	0-4	5-9	10-14	Total			0-4	5-9	10-14	CRUDE			
<b>MALIGNANT BONE TUMOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Osteosarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Chondroblastoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Ewing's Sarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>SOFT TISSUE SARCOMAS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Rhabdomyosarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Fibrosarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Kaposi's sarcoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
CNS GCT	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Non-gonadal GCT	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Gonadal GCT	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>CARCINOMAS/EPITHELIAL NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Adrenocortical	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Thyroid	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Nasopharyngeal	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Melanoma	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Skin	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other & Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>OTHER/UNSPECIFIED NEOPLASMS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	<b>0.0</b>
Other Specified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Other Unspecified	0	0	0	0	0.0	-	0.00	0.00	0.00	0.00	0.00	0.0	0.0
<b>Total</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>100.0</b>	<b>-</b>	<b>4.10</b>	<b>0.50</b>	<b>0.00</b>	<b>1.43</b>	<b>1.75</b>	<b>100.0</b>	<b>23.0</b>

Table 2. Leukaemia: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Acute lymphocytic leukaemia (ALL)	5	13	39	43	35	21	10	14	12	13	10	9	7	11	5	247
Acute non-lymphocytic leukaemia (ANLL)	8	11	6	4	2	3	2	6	3	0	3	1	2	2	5	58
Chronic myeloid leukaemia (CML)	0	0	0	0	0	0	0	1	0	0	1	0	4	3	1	10
Other lymphoid leukaemia	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Other and unspecified leukaemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>13</b>	<b>26</b>	<b>45</b>	<b>47</b>	<b>37</b>	<b>24</b>	<b>12</b>	<b>21</b>	<b>15</b>	<b>13</b>	<b>14</b>	<b>10</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>317</b>

Table 3. Lymphoma: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Hodgkin's Disease	0	0	0	0	0	0	0	0	1	2	2	0	4	3	1	13
Non-Hodgkin's Disease	1	3	2	2	3	1	2	3	1	4	6	4	6	4	7	49
Burkitt's lymphoma	0	0	3	1	2	0	0	1	1	2	1	0	1	0	0	12
Misc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>8</b>	<b>9</b>	<b>4</b>	<b>11</b>	<b>7</b>	<b>8</b>	<b>74</b>

Table 4. CNS Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Ependymoma	2	2	3	1	1	0	0	0	2	0	0	0	0	0	0	11
Astrocytoma	2	2	5	1	4	3	4	3	5	0	3	1	3	2	4	42
Medulloblastoma, PNET	5	5	4	7	3	3	8	2	5	1	2	1	4	2	3	55
Other gliomas	0	0	0	1	2	2	2	3	3	0	2	2	0	0	1	18
Misc Intracranial & Intraspinal tumours	0	1	0	1	0	0	0	1	1	1	0	0	1	0	0	6
Unspecified	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	3
<b>TOTAL</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>11</b>	<b>10</b>	<b>8</b>	<b>14</b>	<b>9</b>	<b>17</b>	<b>3</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>135</b>

Table 5. Sympathetic Nervous System Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Neuroblastoma & Ganglioneuroblastoma	10	8	8	5	3	2	1	2	1	1	0	0	0	0	0	41
Other																0
<b>TOTAL</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>41</b>

Table 6. Retinoblastoma: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Retinoblastoma	6	6	5	3	0	0	1	0	0	0	0	0	0	0	0	21
<b>TOTAL</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>

Table 7. Renal Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Wilms' Tumour	10	3	2	0	1	2	1	0	0	0	1	0	0	0	0	20
Renal Carcinoma	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	3
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>10</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>23</b>

Table 8. Hepatic Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Hepatoblastoma	3	7	0	2	0	0	0	0	0	1	0	0	0	0	0	13
Hepatic Carcinoma	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	3
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>3</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>16</b>

Table 9. Bone Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Osteosarcoma	0	0	0	0	0	0	6	3	3	2	1	3	7	4	4	33
Chondroblastoma	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Ewing's Sarcoma	1	0	0	0	0	1	0	1	0	1	0	2	0	0	0	6
Other Specified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>40</b>

Table 10. Soft Tissue Sarcomas: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Rhabdomyosarcoma	6	1	2	2	0	1	0	0	2	1	0	0	1	0	0	16
Fibrosarcoma	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4
Kaposi's sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Specified	0	0	2	1	0	0	0	0	1	0	0	0	0	0	3	7
Unspecified	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	3
<b>TOTAL</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>30</b>

Table 11. Germ Cell &amp; Gonadal: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
CNS GCT	0	0	0	0	0	1	1	3	0	3	2	2	3	3	5	23
Other Non-gonadal GCT	6	2	3	0	0	0	0	0	0	0	0	1	2	1	0	15
Gonadal GCT	8	1	5	0	0	0	1	0	4	1	0	1	1	0	1	23
Other & Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>14</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>61</b>

Table 12. Carcinoma, Other Malignant Epithelial Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Adrenocortical	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Thyroid	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	4
Nasopharyngeal	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	5
Melanoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other & Unspecified	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	5
<b>TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>15</b>

Table 13. Other &amp; Unspecified Neoplasms: Number of Cases by Age by Diagnostic Group, 1997-2005

Diagnostic Group	Age															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Other Specified	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	3
Other Unspecified	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>4</b>

**Table 14. Number of Singaporean Cases by Hospital, 1997-2005**

<b>Diagnosis</b>	<b>AH</b>	<b>KKWCH</b>	<b>NUH</b>	<b>SGH</b>	<b>TTSB</b>	<b>Private</b>	<b>Total</b>
Acute lymphocytic leukaemia	0	181	56	10	0	0	247
Acute non-lymphocytic leukaemia	0	37	13	8	0	0	58
Chronic myeloid leukaemia	0	7	2	1	0	0	10
Other specified & unspecified leukaemia	0	2	0	0	0	0	2
Hodgkins disease	0	11	1	1	0	0	13
Non-hodgkin lymphoma	25	17	6	0	1	0	49
Burkitt's lymphoma	0	6	6	0	0	0	12
Misc & unspecified lymphoma	0	0	0	0	0	0	0
Ependymoma	0	7	3	0	1	0	11
Astrocytoma	0	25	12	0	5	0	42
PNET	0	34	19	0	1	1	55
Other gliomas	0	9	6	2	1	0	18
Misc & unspecified CNS neoplasms	0	4	4	0	1	0	9
Neuroblastoma	0	30	9	1	0	1	41
Retinoblastoma	0	10	6	5	0	0	21
Wilms' tumour	0	16	3	1	0	0	20
Renal carcinoma	0	1	2	0	0	0	3
Other & unspecified renal tumours	0	0	0	0	0	0	0
Hepatoblastoma	0	8	5	0	0	0	13
Hepatic carcinoma	0	2	1	0	0	0	3
Osteosarcoma	0	17	12	4	0	0	33
Chondrosarcoma	0	0	1	0	0	0	1
Ewings sarcoma	0	2	4	0	0	0	6
Other specified & unspecified bone tumour	0	0	0	0	0	0	0
Rhabdomyosarcoma	0	7	9	0	0	0	16
Fibrosarcoma	0	4	0	0	0	0	4
Kaposi's sarcoma	0	0	0	0	0	0	0
Other specified & unspecified soft-tissue sarcoma	0	6	1	3	0	0	10
CNS Germ cell tumours	0	17	6	0	0	0	23
Other non-gonadal GCT	0	12	2	1	0	0	15
Gonadal germ cell tumours	0	18	4	1	0	0	23
Other & unspecified gonadal tumours	0	0	0	0	0	0	0
Adrenocortical carcinoma	0	1	0	0	0	0	1
Thyroid carcinoma	0	1	1	1	1	0	4
Nasopharyngeal carcinoma	0	3	2	0	0	0	5
Melanoma	0	0	0	0	0	0	0
Skin carcinoma	0	0	0	0	0	0	0
Other & unspecified carcinoma	0	4	1				5
Other specified & unspecified neoplasms	0	2	0	1	1	0	4
<b>TOTAL</b>	<b>25</b>	<b>501</b>	<b>197</b>	<b>40</b>	<b>12</b>	<b>2</b>	<b>777</b>
<b>Frequency(%)</b>	<b>3.2%</b>	<b>64.5%</b>	<b>25.4%</b>	<b>5.1%</b>	<b>1.5%</b>	<b>0.3%</b>	<b>100.0%</b>

Table 15. 10 Most Frequent Childhood Cancers in Singapore, 1997-2005

Rank	ICCC	Type of Cancer	RF%
1	Ia	Lymphoid	31.8
2	Ib	Acute Non-Lymphocytic	7.5
3	IIIc	PNET	7.1
4	IIb	Non-Hodgkin lymphoma	6.3
5	IIIb	Astrocytoma Neuroblastoma &	5.4
6	IV	Ganglioneuroblastoma	5.3
7	VIIIa	Osteosarcoma	4.2
8	Xc	Gonadal GCT	3.0
9	Xa	CNS GCT	3.0
10	V	Retinoblastoma	2.7

Fig 1: Top Ten Most Frequent Childhood Cancers in Singapore, 1997-2005

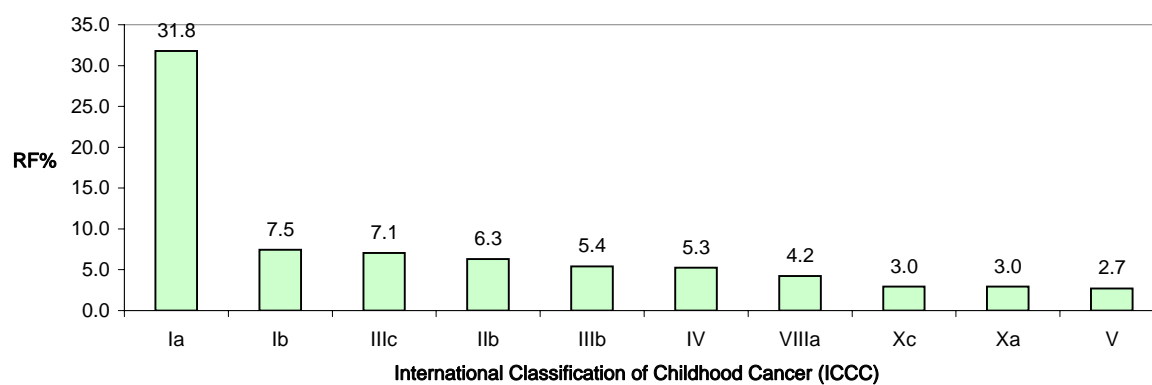


Table 16. Number of Childhood Cancers in Singapore by Gender, 1997-2005

Gender	All Cancers	Solid Tumours	Leukaemias
Male	453	267	186
Female	324	193	131
<b>M/ F</b>	<b>1.40</b>	<b>1.38</b>	<b>1.42</b>
<b>TOTAL</b>	<b>777</b>	<b>460</b>	<b>317</b>

Fig 2: Number of Childhood Cancers in Singapore by Gender, 1997-2005

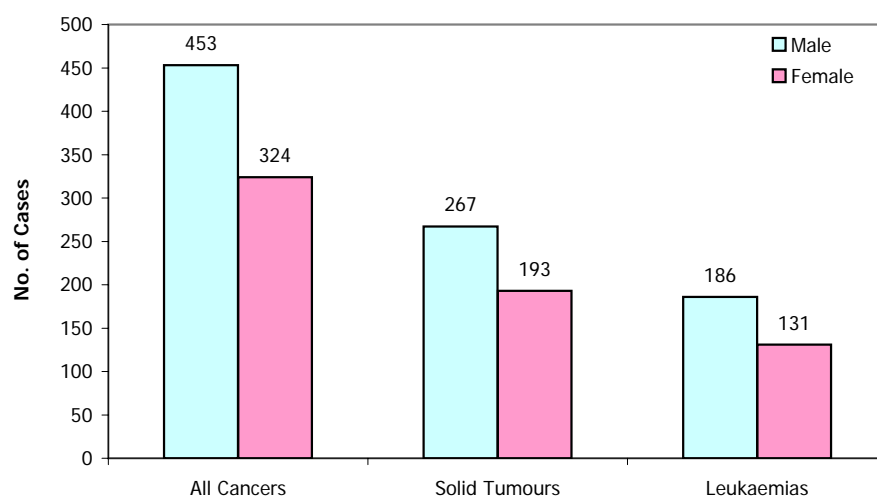


Table 17. Relative Frequency of Different Ethnic Groups by Local and Cancer Population

Different Ethnic Groups	Total Local Population	% RF	Total Local Cancer Population	% RF
Chinese	492801	70.3	545	70.1
Malay	133926	19.1	166	21.4
Indian	62312	8.9	49	6.3
Others	11759	1.7	17	2.2
<b>TOTAL</b>	<b>700798</b>	<b>100.0</b>	<b>777</b>	<b>100.0</b>

Fig 3: Comparison of %RF for Different Ethnic Groups by Local and Cancer Population

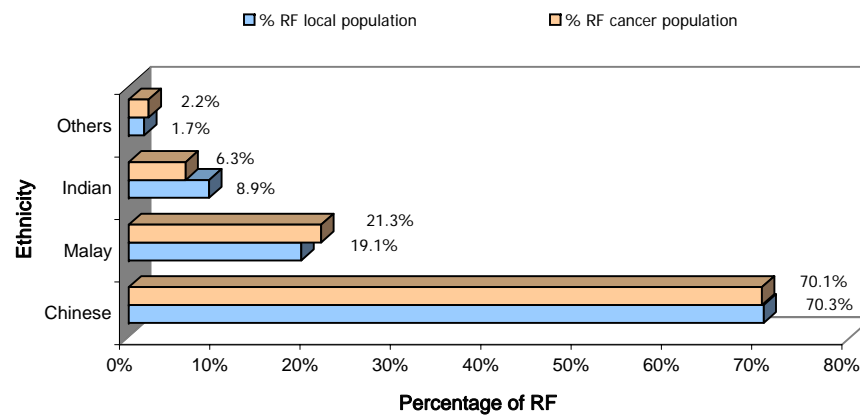


Table 18. Relative Frequency of Major Diagnostic Groups

Type of Cancer	No. of Cases	% RF
Leukaemia	317	40.8
Lymphomas	74	9.5
CNS Neoplasms	135	17.4
SNS tumours	41	5.3
Retinoblastoma	21	2.7
Renal tumours	23	3.0
Hepatic tumours	16	2.1
Malignant bone tumours	40	5.1
Soft-tissue sarcomas	30	3.9
Germ cell/ Gonadal neoplasms	61	7.9
Carcinomas/ Epithelial neoplasms	15	1.9
Other/ Unspecified neoplasms	4	0.5
<b>TOTAL</b>	<b>777</b>	<b>100</b>

Fig 4: Relative Frequency of Major Diagnostic Groups in Singapore, 1997-2005

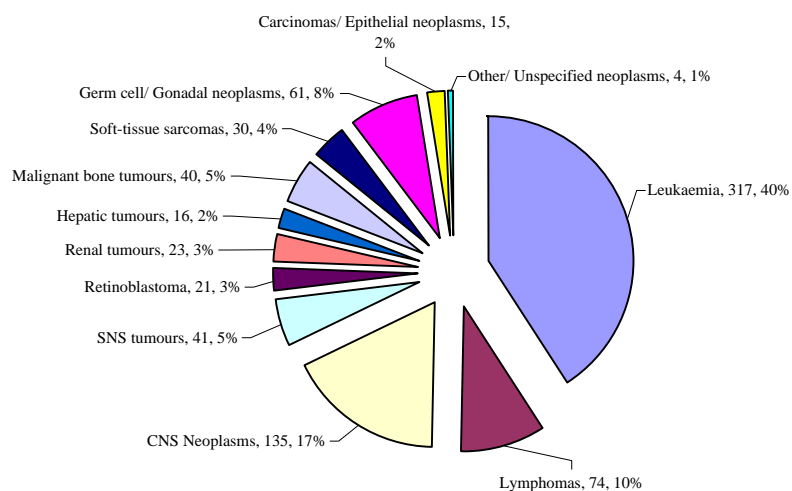




Table 19. Relative Frequency of Solid Tumours in Singapore, 1997-2005

Subtype of Solid Tumours	No. of Cases	% RF
CNS Neoplasms	135	29.3%
Lymphomas	74	16.1%
Germ cell/ Gonadal neoplasms	61	13.3%
SNS tumours	41	8.9%
Malignant bone tumours	40	8.7%
Soft-tissue sarcomas	30	6.5%
Renal tumours	23	5.0%
Retinoblastoma	21	4.6%
Hepatic tumours	16	3.5%
Carcinomas/ Epithelial neoplasms	15	3.3%
Other/ Unspecified neoplasms	4	0.9%
<b>TOTAL</b>	<b>460</b>	<b>100.0%</b>

Fig 5: Relative Frequency of Solid Tumours in Singapore, 1997-2005

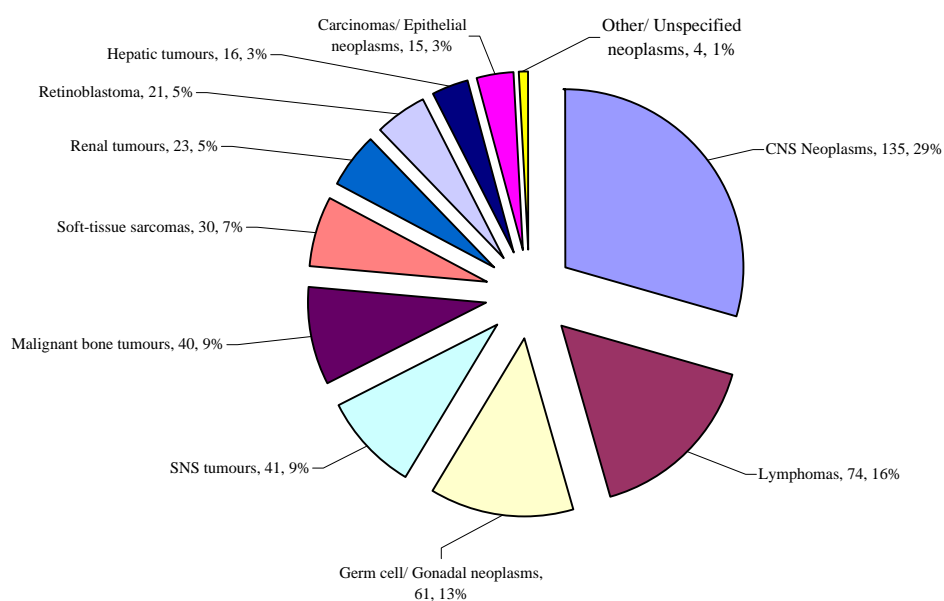


Table 20. Relative Frequency of Leukemias in Singapore by Morphological Types, 1997-2005

Morphologic Subtypes	No. of Cases	% RF
Lymphoid	247	77.9%
Acute Non-Lymphocytic	58	18.3%
Chronic Myeloid	10	3.2%
Other Specified	2	0.6%
<b>TOTAL</b>	<b>317</b>	<b>100.0%</b>

Fig 6: Relative Frequency of Leukemias in Singapore by Morphological Types, 1997-2005

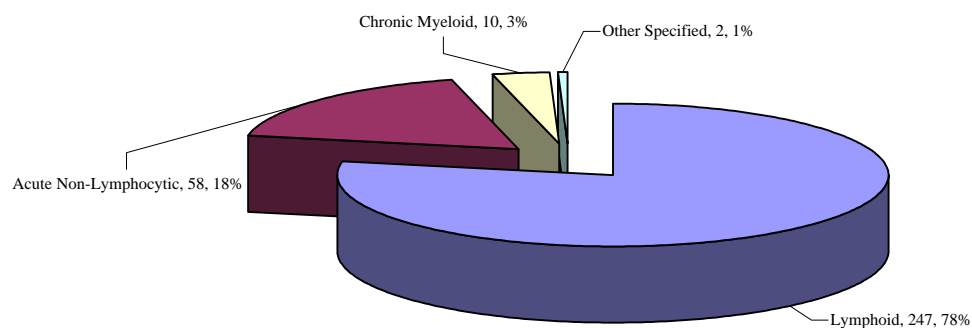


Fig 7: Singapore Childhood Leukemia by Age Distribution, 1997-2005

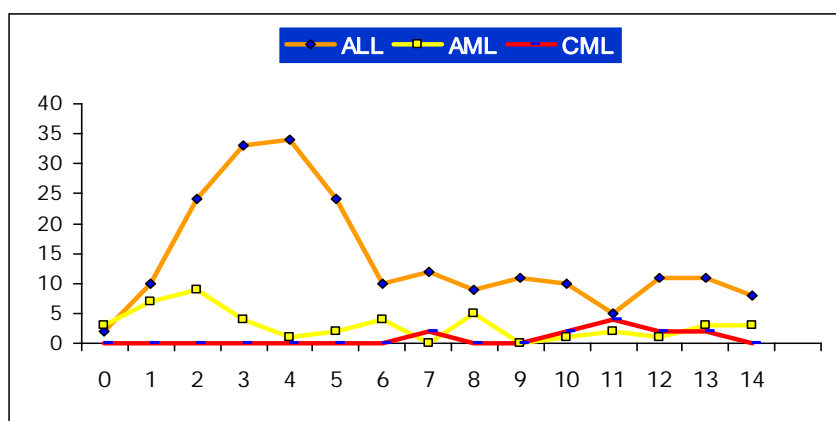


Table 21. Relative Frequency of Lymphomas, 1997-2005

Lymphomas	No. of Cases	%RF
Hodgkin's Disease	13	1.7
Non-Hodgkin lymphoma	49	6.3
Burkitt's lymphoma	12	1.5
Misc	0	0.0
Unspecified	0	0.0
<b>TOTAL</b>	<b>74</b>	<b>9.5</b>

Fig 8: Singapore Childhood Lymphomas, 1997-2005

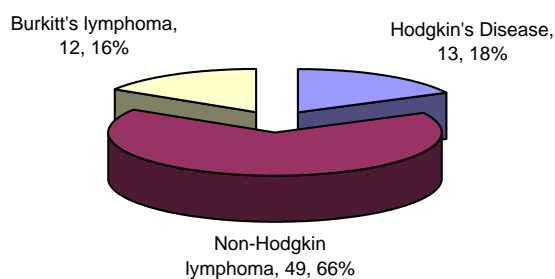


Fig 9: Singapore Childhood Lymphomas by Age Distribution, 1997-2005

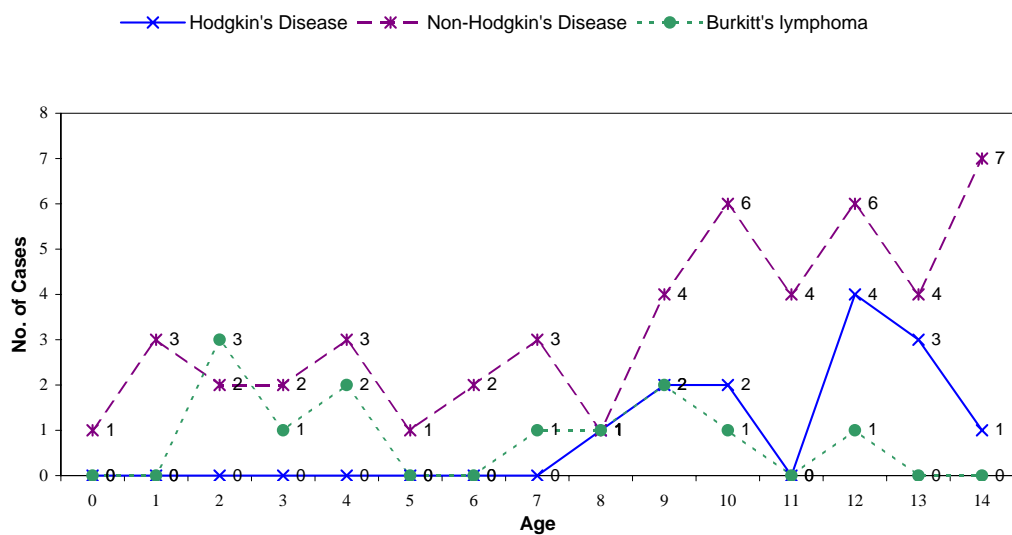


Table 22. Relative Frequency of CNS Neoplasms, 1997-2005

CNS NEOPLASMS	No. of Cases	%RF
Ependymoma	11	1.4
Astrocytoma	42	5.4
PNET	55	7.1
Other Gliomas	18	2.3
Other Specified	6	0.8
Unspecified	3	0.4
<b>TOTAL</b>	<b>135</b>	<b>17.4</b>

Fig 10: Singapore Childhood CNS Neoplasms, 1997-2005

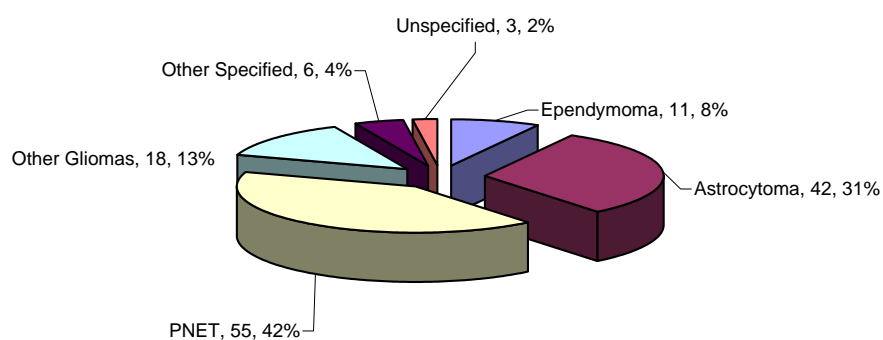
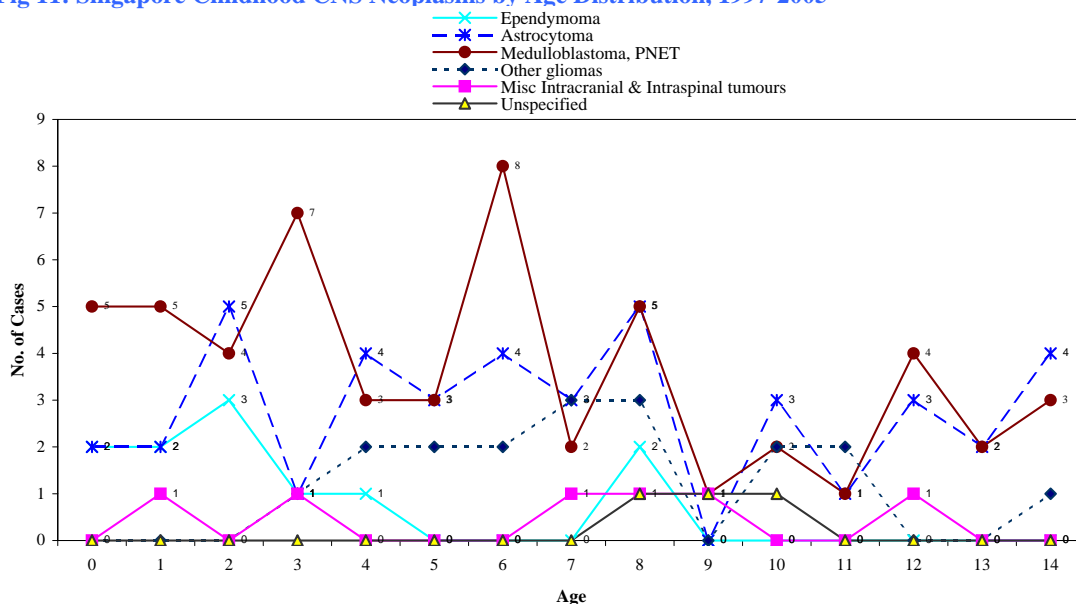
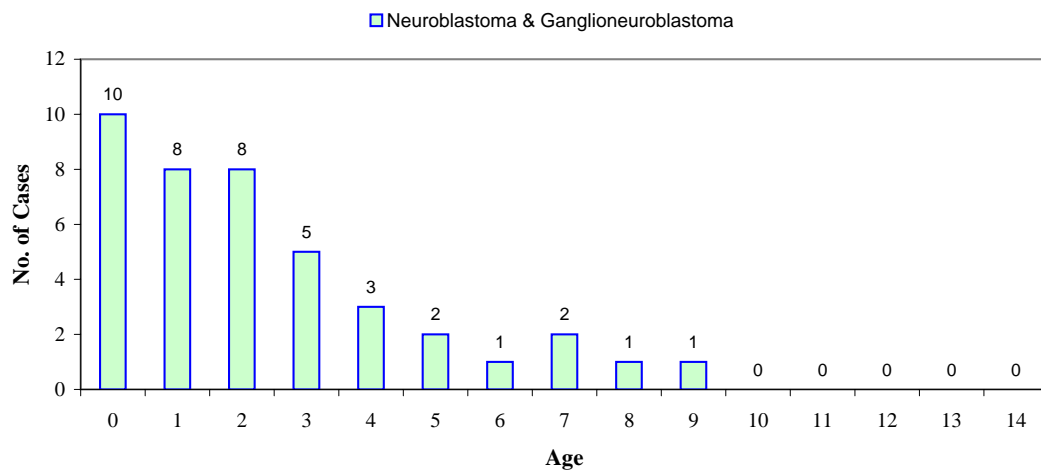


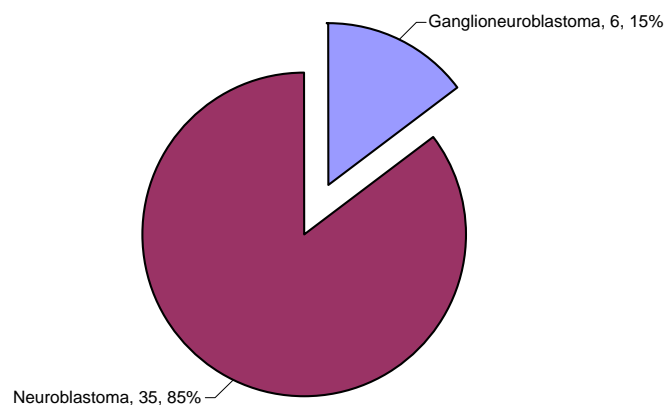
Fig 11: Singapore Childhood CNS Neoplasms by Age Distribution, 1997-2005



**Fig 12: Singapore Childhood Neuroblastoma by Age Distribution, 1997-2005**



**Fig 13: Singapore Childhood Neuroblastoma by Morphological Subtypes, 1997-2005**



**Fig 14: Singapore Childhood Neuroblastoma by Primary Diagnosed Sites, 1997-2005**

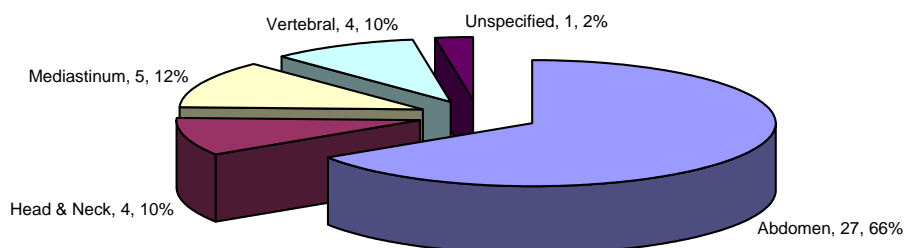


Fig 15: Singapore Childhood Retinoblastoma by Age Distribution, 1997-2005

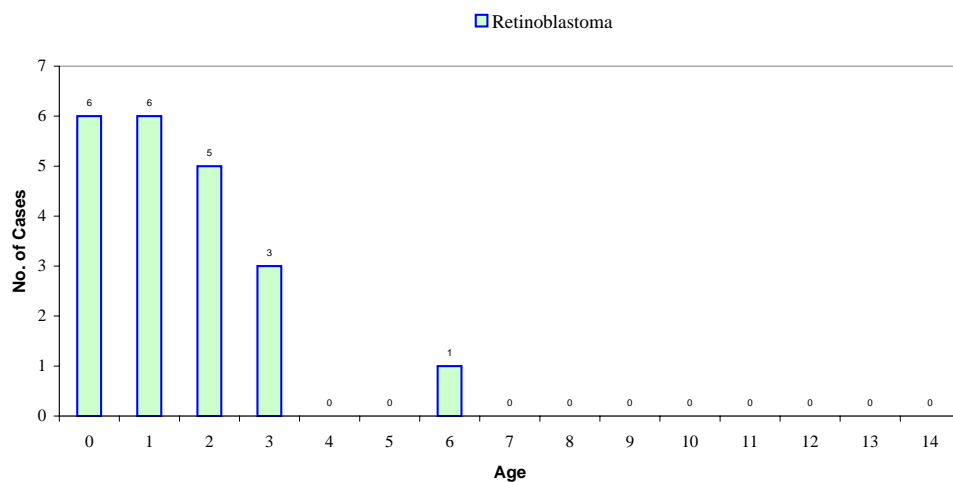


Table 23. Singapore Childhood Retinoblastoma by Age Group and Tumour Site, 1997-2005

Site \ Age	0	1	2	3	4	5+	TOTAL
Unilateral	3	4	2	2	0	1	12
Bilateral	3	2	2	0	0	0	7
Unspecified	0	0	1	1	0	0	2
<b>TOTAL</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>21</b>

Fig 16: Singapore Childhood Retinoblastoma by Site distribution by Age, 1997-2005

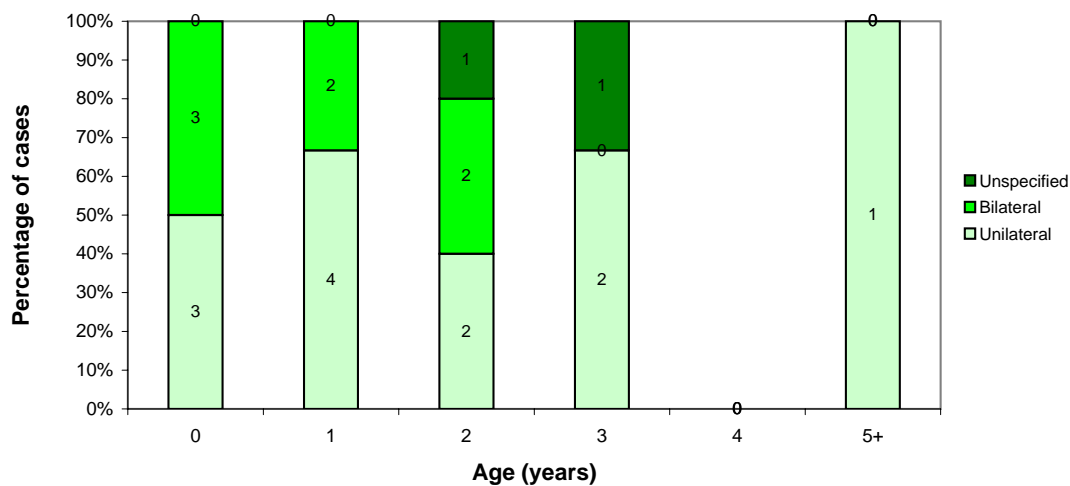


Table 24. Relative Frequency of Renal Neoplasms, 1997-2005

Renal Neoplasms	No. of Cases	%RF
Wilms' tumour	20	2.6
Renal Carcinoma	3	0.4
Unspecified	0	0.0
<b>TOTAL</b>	<b>23</b>	<b>3.0</b>

Fig 17: Singapore Childhood Renal Neoplasms by Morphological Types, 1997-2005

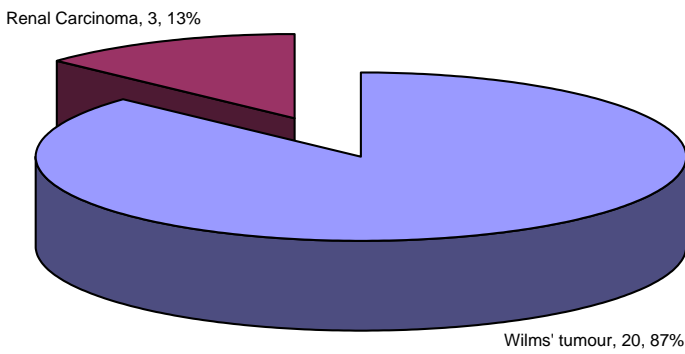


Fig 18: Singapore Childhood Renal Neoplasms by Age Distribution, 1997-2005

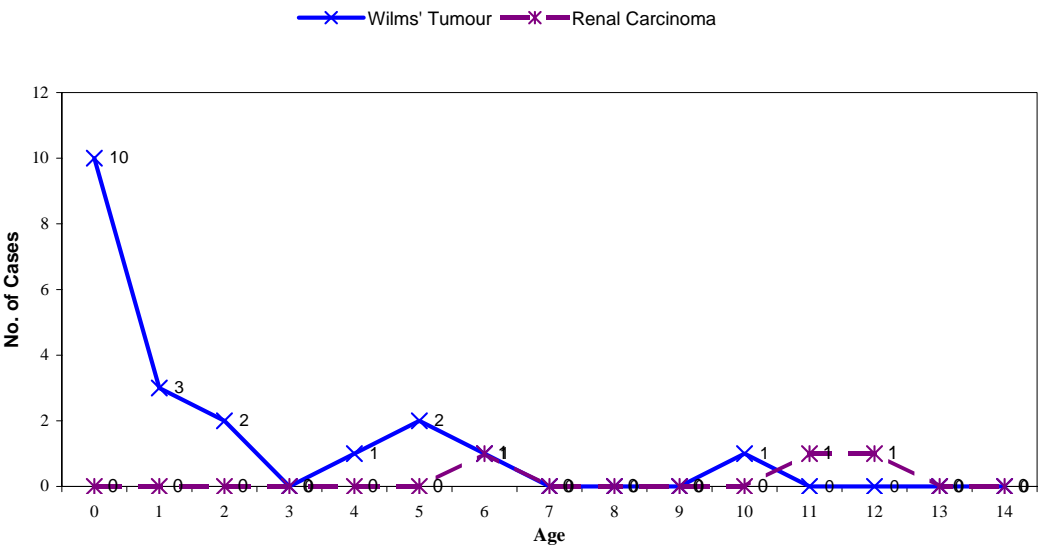


Table 25. Relative Frequency of Hepatic Neoplasms, 1997-2005

Hepatic Neoplasms	No. of Cases	%RF
Hepatoblastoma	13	1.7
Hepatic Carcinoma	3	0.4
Unspecified	0	0.0
<b>TOTAL</b>	<b>16</b>	<b>2.1</b>

Fig 19: Singapore Childhood Hepatic Neoplasms by Morphological Types, 1997-2005

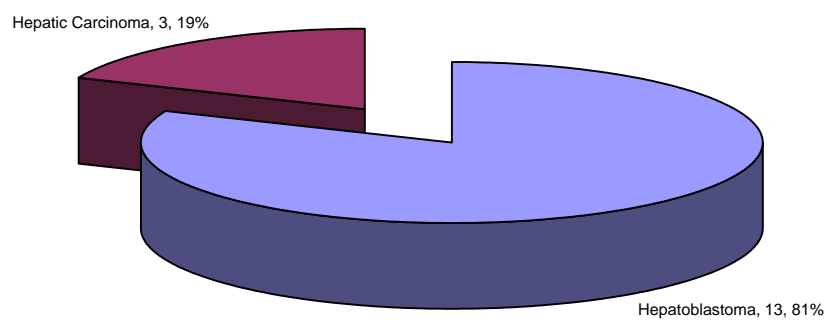


Fig 20: Singapore Childhood Hepatic Neoplasms by Age Distribution, 1997-2005

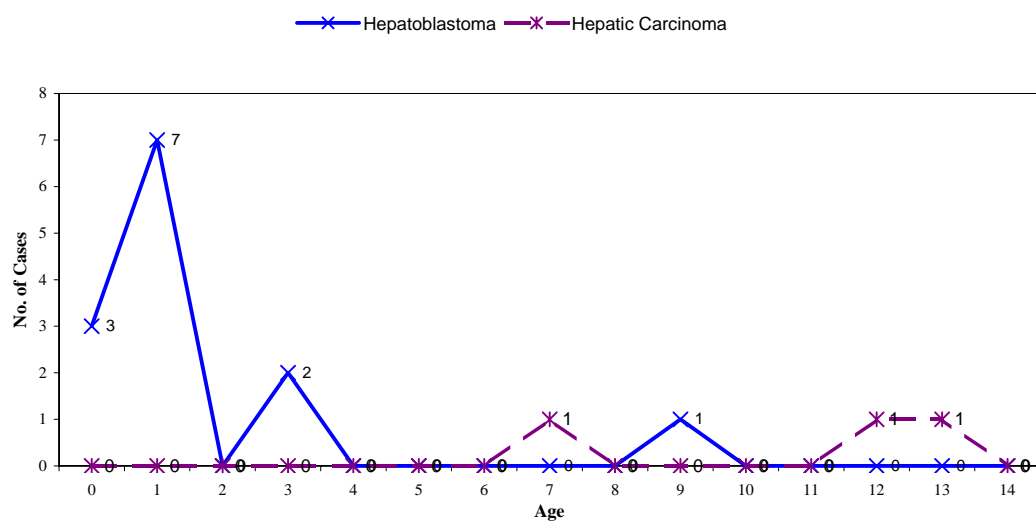




Fig 21: Singapore Childhood Bone Neoplasms by Age Distribution, 1997-2005

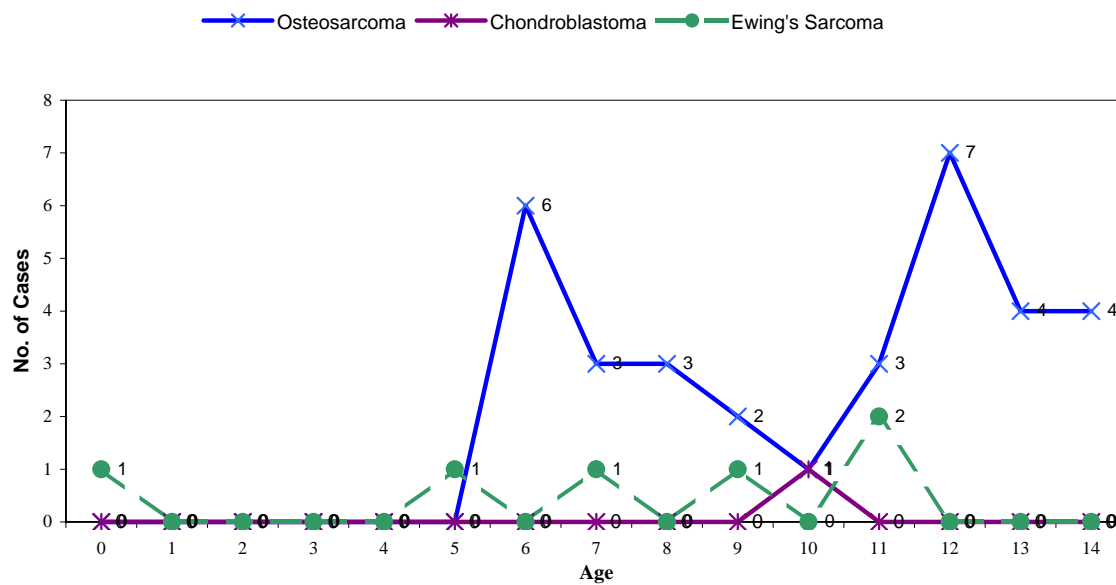


Fig 22: Singapore Childhood Bone Neoplasms by Morphological Types, 1997-2005

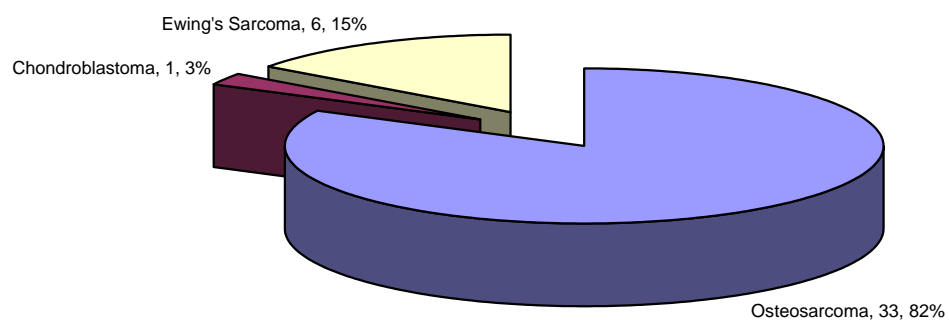


Fig 23: Singapore Childhood Osteosarcoma by Primary Diagnosed Site, 1997-2005

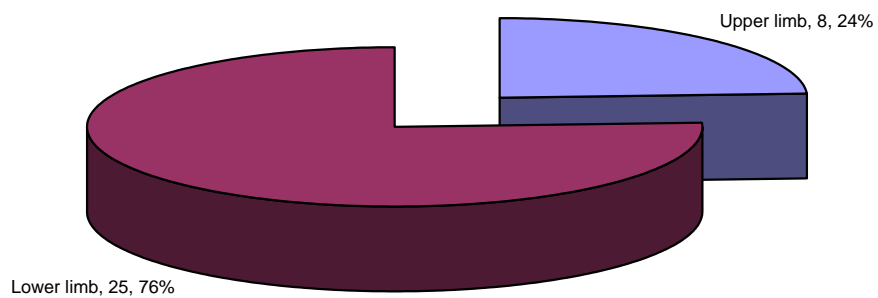


Fig 24: Singapore Childhood Ewing's Sarcoma by Primary Diagnosed Site, 1997-2005

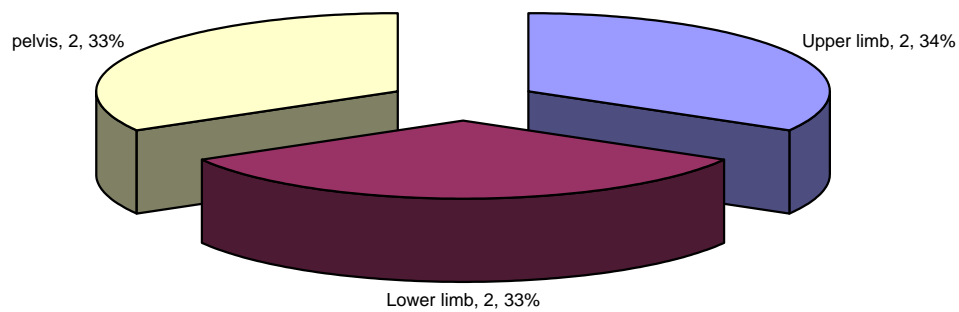


Fig 25: Singapore Childhood Soft Tissue Sarcoma by Age Distribution, 1997-2005

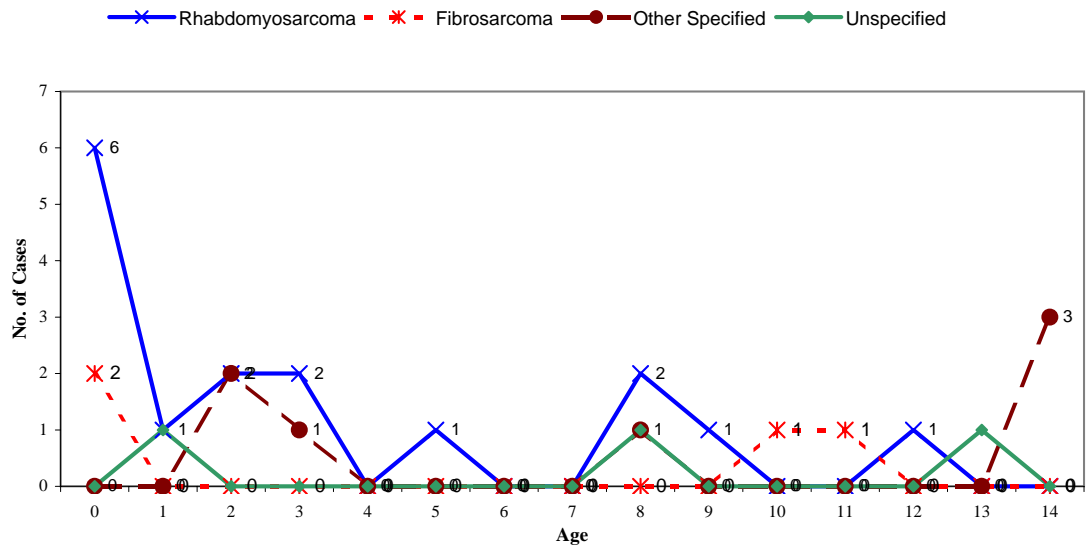
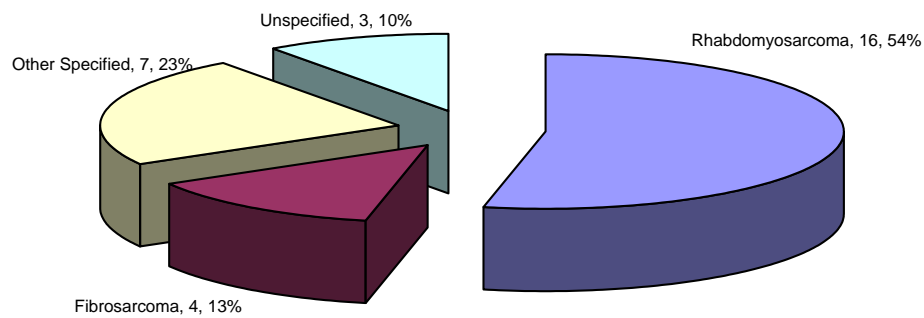


Fig 26: Singapore Childhood Soft Tissue Sarcoma by Primary Diagnosed Site, 1997-2005



**Fig 27: Singapore Childhood Rhabdomyosarcoma by Primary Diagnosed Site, 1997-2005**

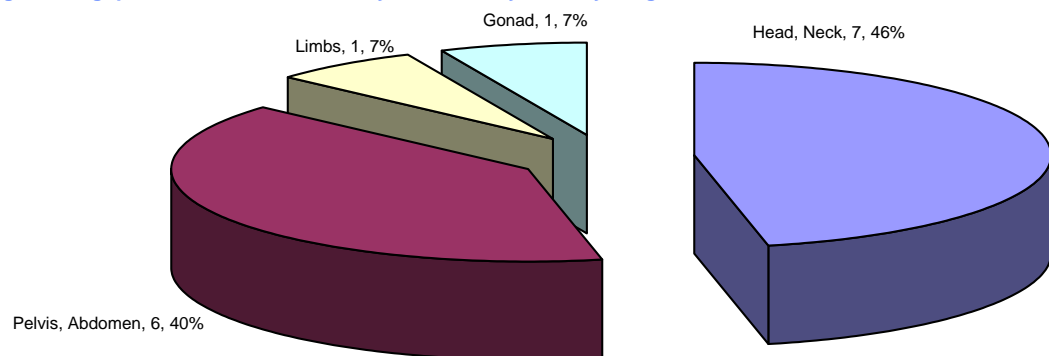


Table 26. Relative Frequency of Gonadal/ Germ Cell Tumour, 1997-2005

Gonadal/ Germ Cell Tumour	No. of Cases	%RF
CNS GCT	23	3.0
Other Non-gonadal GCT	15	1.9
Gonadal GCT	23	3.0
Other & Unspecified	0	0.0
<b>TOTAL</b>	<b>61</b>	<b>7.9</b>

Fig 28: Singapore Childhood Gonadal/ Germ Cell Tumour by Morphological Types, 1997-2005

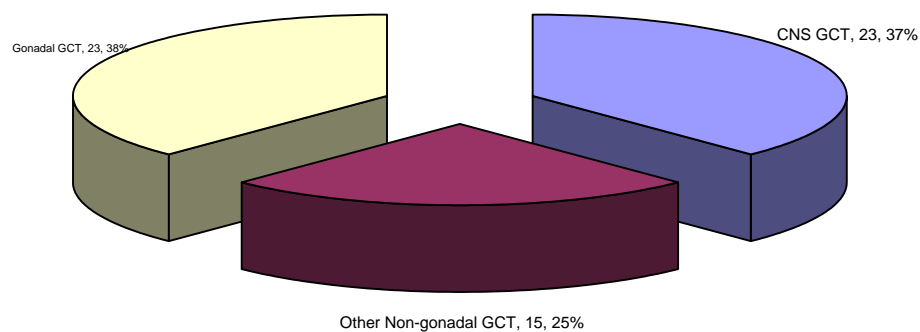


Fig 29: Singapore Childhood Gonadal/ Germ Cell Tumour by Age Distribution, 1997-2005

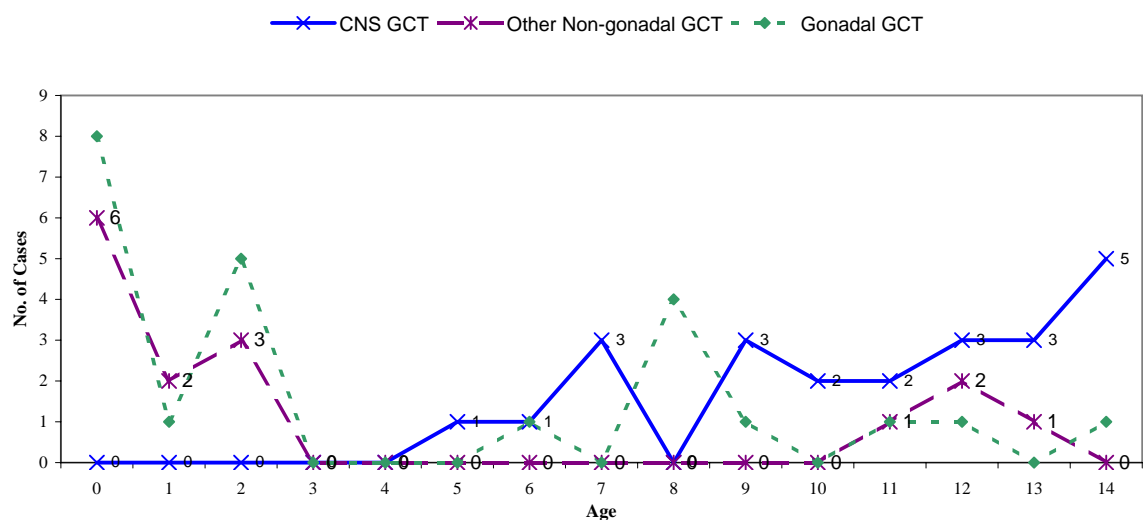


Table 27. Relative Frequency of Carcinomas/ Epithelial Neoplasms, 1997-2005

Carcinomas/ Epithelial Neoplasms	No. of Cases	%RF
Adrenocortical	1	0.1
Thyroid	4	0.5
Nasopharyngeal	5	0.6
Melanoma	0	0.0
Skin	0	0.0
Other & Unspecified	5	0.6
<b>TOTAL</b>	<b>15</b>	<b>1.9</b>

Fig 30: Singapore Childhood Carcinomas/ Epithelial Neoplasms by Morphological Types, 1997-2005

