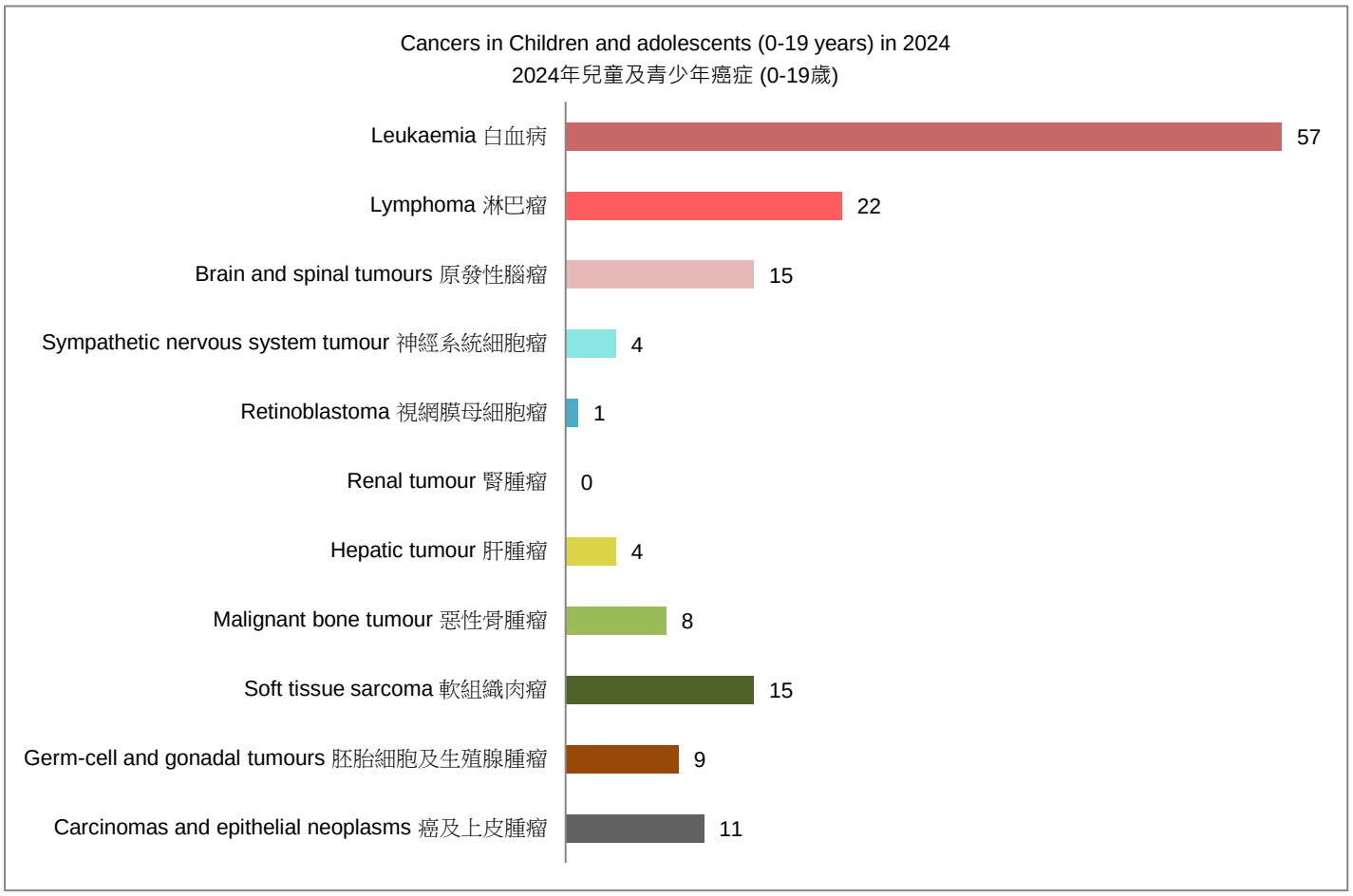
Cancer in Children and Adolescents (0-19 years) in 2024
2024年兒童及青少年癌症 (0-19歲)

Unlike cancers occurring in adults, cancers in children and adolescents are classified by morphology rather than by the site of the tumour. Data are primarily classified into 11 major cancer groups according to the International Classification of Childhood Cancer (ICCC) (Steliarova-Foucher E, Third Edition)[1]. Due to the rarity of cancer in children and adolescents, incidence rates are generally expressed per 1,000,000.

兒童及青少年所患的癌症與成年人的種類頗為不同，主要依病理形態學，而非腫瘤生長部位作分類。根據國際兒童癌症分類手冊 International Classification of Childhood cancer (ICCC) (Steliarova-Foucher E, Third Edition)[1]，數據基本分為十一個癌症類別。由於兒童癌症並不是常見的疾病，因此發病率一般以每百萬表示。



[1] Steliarova-Foucher E, Colombet M, Ries LAG, Rous B, Stiller CA. Classification of tumours. In: Steliarova-Foucher E, Colombet M, Ries LAG, Moreno F, Dolya A, Shin HY, Hesseling P, Stiller CA. International Incidence of Childhood Cancer, Volume III. Lyon: International Agency for Research on Cancer, In press

Table 1. New Cases of Cancer in Children and Adolescents (0-19 years) in 2024

列表一 2024年兒童及青少年癌症(0-19歲)新症數字

1.1 Male 男性

Cancer Group 癌症類別	Age group (years) 年齡組別 (歲)					0-19 years (0-19歲)			0-14 years (0-14歲)		
	0	1-4	5-9	10-14	15-19	Total 總計	Rel. freq. % 分佈 %	Crude rate[1] 粗率[1]	Total 總計	Rel. freq. % 分佈 %	Crude rate[1] 粗率[1]
Leukaemia 白血病	1	9	10	4	8	32	37.2	59.5	24	42.9	61.8
Lymphoma 淋巴瘤	1	0	1	6	7	15	17.4	27.9	8	14.3	20.6
Brain and spinal tumours 原發性腦瘤	1	3	0	4	3	11	12.8	20.5	8	14.3	20.6
Sympathetic nervous system tumour 神經系統細胞瘤	0	1	0	0	0	1	1.2	1.9	1	1.8	2.6
Retinoblastoma 視網膜母細胞瘤	0	1	0	0	0	1	1.2	1.9	1	1.8	2.6
Renal tumour 腎腫瘤	0	0	0	0	0	0	0	0	0	0	0
Liver tumour 肝腫瘤	2	0	0	1	0	3	3.5	5.6	3	5.4	7.7
Malignant bone tumour 惡性骨腫瘤	0	0	1	4	0	5	5.8	9.3	5	8.9	12.9
Soft tissue sarcoma 軟組織肉瘤	2	0	0	2	4	8	9.3	14.9	4	7.1	10.3
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	0	1	0	0	3	4	4.7	7.4	1	1.8	2.6
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	0	0	0	1	2	3	3.5	5.6	1	1.8	2.6
Other and unspecified tumours 其他及未分類腫瘤	0	0	0	0	3	3	3.5	5.6	0	0	0
Total 總計	**7**	**15**	**12**	**22**	**30**	**86**	**100**	**160.0**	**56**	**100**	**144.3**

[1] Crude rates are expressed **per million** in this table due to the rarity of cancer in children.
兒童癌症並不是常見的疾病，因此圖表內的粗率以每百萬表示。

1.2 Female 女性

Cancer Group 癌症類別	Age group (years) 年齡組別 (歲)					0-19 years (0-19歲)			0-14 years (0-14歲)		
	0	1-4	5-9	10-14	15-19	Total 總計	Rel. freq. % 分佈 %	Crude rate[1] 粗率[1]	Total 總計	Rel. freq. % 分佈 %	Crude rate[1] 粗率[1]
Leukaemia 白血病	1	6	11	6	1	25	39.1	49.8	24	57.1	66.2
Lymphoma 淋巴瘤	0	1	1	0	5	7	10.9	13.9	2	4.8	5.5
Brain and spinal tumours 原發性腦瘤	1	2	0	1	0	4	6.3	8.0	4	9.5	11.0
Sympathetic nervous system tumour 神經系統細胞瘤	1	1	1	0	0	3	4.7	6.0	3	7.1	8.3
Retinoblastoma 視網膜母細胞瘤	0	0	0	0	0	0	0	0	0	0	0
Renal tumour 腎腫瘤	0	0	0	0	0	0	0	0	0	0	0
Liver tumour 肝腫瘤	0	0	0	0	1	1	1.6	2.0	0	0	0
Malignant bone tumour 惡性骨腫瘤	0	0	0	2	1	3	4.7	6.0	2	4.8	5.5
Soft tissue sarcoma 軟組織肉瘤	0	2	1	1	3	7	10.9	13.9	4	9.5	11.0
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	0	0	1	0	4	5	7.8	10.0	1	2.4	2.8
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	0	0	0	1	7	8	12.5	15.9	1	2.4	2.8
Other and unspecified tumours 其他及未分類腫瘤	0	0	1	0	0	1	1.6	2.0	1	2.4	2.8
Total 總計	**3**	**12**	**16**	**11**	**22**	**64**	**100**	**127.5**	**42**	**100**	**115.8**

[1] Crude rates are expressed **per million** in this table due to the rarity of cancer in children.
兒童癌症並不是常見的疾病，因此圖表內的粗率以每百萬表示。

1.3 Both Sexes 所有性別

Cancer Group 癌症類別	Age group (years) 年齡組別 (歲)					0-19 years (0-19歲)			0-14 years (0-14歲)		
	0	1-4	5-9	10-14	15-19	Total 總計	Rel. freq. % 分佈 %	Crude rate[1] 粗率[1]	Total 總計	Rel. freq. % 分佈 %	Crude rate[1] 粗率[1]
Leukaemia 白血病	2	15	21	10	9	57	38.0	54.8	48	49.0	63.9
Lymphoma 淋巴瘤	1	1	2	6	12	22	14.7	21.2	10	10.2	13.3
Brain and spinal tumours 原發性腦瘤	2	5	0	5	3	15	10.0	14.4	12	12.2	16.0
Sympathetic nervous system tumour 神經系統細胞瘤	1	2	1	0	0	4	2.7	3.8	4	4.1	5.3
Retinoblastoma 視網膜母細胞瘤	0	1	0	0	0	1	0.7	1.0	1	1.0	1.3
Renal tumour 腎腫瘤	0	0	0	0	0	0	0	0	0	0	0
Liver tumour 肝腫瘤	2	0	0	1	1	4	2.7	3.8	3	3.1	4.0
Malignant bone tumour 惡性骨腫瘤	0	0	1	6	1	8	5.3	7.7	7	7.1	9.3
Soft tissue sarcoma 軟組織肉瘤	2	2	1	3	7	15	10.0	14.4	8	8.2	10.7
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	0	1	1	0	7	9	6.0	8.7	2	2.0	2.7
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	0	0	0	2	9	11	7.3	10.6	2	2.0	2.7
Other and unspecified tumours 其他及未分類腫瘤	0	0	1	0	3	4	2.7	3.8	1	1.0	1.3
Total 總計	**10**	**27**	**28**	**33**	**52**	**150**	**100**	**144.3**	**98**	**100**	**130.5**

[1] Crude rates are expressed **per million** in this table due to the rarity of cancer in children.
兒童癌症並不是常見的疾病，因此圖表內的粗率以每百萬表示。

Table 2. Trends in New Cases of Cancer among Children and Adolescents (0-19 years), 2020-24

列表二 2020-24年兒童及青少年癌症(0-19歲)新症數字的變化

2.1 Male 男性

Cancer Group 癌症類別	0-19 years (0-19歲)								0-14 years (0-14歲)							
	Year / No. (年度 / 數字)					Average per year	Rel. freq. %	Crude rate[1]	Year / No. (年度 / 數字)					Average per year	Rel. freq. %	Crude rate[1]
	2020	2021	2022	2023	2024	年均數	分佈 %	粗率[1]	2020	2021	2022	2023	2024	年均數	分佈 %	粗率[1]
Leukaemia 白血病	33	38	24	29	32	31	35.6	*56.8*	29	32	21	25	24	26	43.5	*64.3*
Lymphoma 淋巴瘤	14	13	8	16	15	13	15.1	*24.0*	9	4	4	9	8	7	11.3	*16.7*
Brain and spinal tumours 原發性腦瘤	9	8	12	7	11	9	10.7	*17.1*	7	8	10	6	8	8	13.0	*19.1*
Sympathetic nervous system tumour 神經系統細胞瘤	7	3	0	3	1	3	3.2	*5.1*	7	3	0	3	1	3	4.7	*6.9*
Retinoblastoma 視網膜母細胞瘤	0	3	0	2	1	1	1.4	*2.2*	0	3	0	2	1	1	2.0	*2.9*
Renal tumour 腎腫瘤	0	0	1	0	0	0	0.2	*0.4*	0	0	0	0	0	0	0	*0*
Liver tumour 肝腫瘤	3	2	3	4	3	3	3.4	*5.5*	3	2	2	4	3	3	4.7	*6.9*
Malignant bone tumour 惡性骨腫瘤	5	6	4	5	5	5	5.7	*9.1*	3	4	2	3	5	3	5.6	*8.3*
Soft tissue sarcoma 軟組織肉瘤	2	8	6	5	8	6	6.6	*10.6*	2	6	3	2	4	3	5.6	*8.3*
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	13	11	7	8	4	9	9.8	*15.7*	6	6	5	2	1	4	6.6	*9.8*
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	6	6	6	7	3	6	6.4	*10.2*	3	0	2	1	1	1	2.3	*3.4*
Other and unspecified tumours 其他及未分類腫瘤	0	0	4	1	3	2	1.8	*2.9*	0	0	1	1	0	0	0.7	*1.0*
Total 總計	**92**	**98**	**75**	**87**	**86**	**88**	**100**	***159.5***	**69**	**68**	**50**	**58**	**56**	**60**	**100**	***147.7***

[1] Crude rates are expressed **per million** in this table due to the rarity of cancer in children.
兒童癌症並不是常見的疾病，因此圖表內的粗率以每百萬表示。

2.2 Female 女性

Cancer Group 癌症類別	0-19 years (0-19歲)								0-14 years (0-14歲)							
	Year / No. (年度 / 數字)					Average per year	Rel. freq. %	Crude rate[1]	Year / No. (年度 / 數字)					Average per year	Rel. freq. %	Crude rate[1]
	2020	2021	2022	2023	2024	年均數	分佈 %	粗率[1]	2020	2021	2022	2023	2024	年均數	分佈 %	粗率[1]
Leukaemia 白血病	24	20	23	30	25	24	32.1	*47.1*	22	15	15	26	24	20	40.3	*53.3*
Lymphoma 淋巴瘤	12	7	9	12	7	9	12.4	*18.2*	3	5	5	3	2	4	7.1	*9.4*
Brain and spinal tumours 原發性腦瘤	6	12	5	10	4	7	9.7	*14.3*	5	10	2	7	4	6	11.1	*14.6*
Sympathetic nervous system tumour 神經系統細胞瘤	6	2	2	2	3	3	3.9	*5.8*	6	2	2	2	3	3	5.9	*7.8*
Retinoblastoma 視網膜母細胞瘤	0	2	0	1	0	1	0.8	*1.2*	0	2	0	1	0	1	1.2	*1.6*
Renal tumour 腎腫瘤	1	0	0	1	0	0	0.5	*0.8*	0	0	0	0	0	0	0	*0*
Liver tumour 肝腫瘤	2	4	1	4	1	2	3.2	*4.6*	2	4	1	2	0	2	3.6	*4.7*
Malignant bone tumour 惡性骨腫瘤	5	4	2	3	3	3	4.5	*6.6*	5	4	2	2	2	3	5.9	*7.8*
Soft tissue sarcoma 軟組織肉瘤	4	7	2	3	7	5	6.1	*8.9*	2	6	2	2	4	3	6.3	*8.4*
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	13	7	14	9	5	10	12.6	*18.6*	7	3	6	5	1	4	8.7	*11.5*
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	11	12	8	9	8	10	12.6	*18.6*	6	5	5	2	1	4	7.5	*9.9*
Other and unspecified tumours 其他及未分類腫瘤	1	3	0	1	1	1	1.6	*2.3*	1	3	0	1	1	1	2.4	*3.1*
Total 總計	**85**	**80**	**66**	**85**	**64**	**76**	**100**	***146.9***	**59**	**59**	**40**	**53**	**42**	**51**	**100**	***132.3***

[1] Crude rates are expressed **per million** in this table due to the rarity of cancer in children.
兒童癌症並不是常見的疾病，因此圖表內的粗率以每百萬表示。

2.3 Both Sexes 所有性別

Cancer Group 癌症類別	0-19 years (0-19歲)								0-14 years (0-14歲)							
	Year / No. (年度 / 數字)					Average per year	Rel. freq. %	Crude rate[1]	Year / No. (年度 / 數字)					Average per year	Rel. freq. %	Crude rate[1]
	2020	2021	2022	2023	2024	年均數	分佈 %	粗率[1]	2020	2021	2022	2023	2024	年均數	分佈 %	粗率[1]
Leukaemia 白血病	57	58	47	59	57	56	34.0	*52.1*	51	47	36	51	48	47	42.1	*59.0*
Lymphoma 淋巴瘤	26	20	17	28	22	23	13.8	*21.2*	12	9	9	12	10	10	9.4	*13.2*
Brain and spinal tumours 原發性腦瘤	15	20	17	17	15	17	10.3	*15.7*	12	18	12	13	12	13	12.1	*17.0*
Sympathetic nervous system tumour 神經系統細胞瘤	13	5	2	5	4	6	3.5	*5.4*	13	5	2	5	4	6	5.2	*7.3*
Retinoblastoma 視網膜母細胞瘤	0	5	0	3	1	2	1.1	*1.7*	0	5	0	3	1	2	1.6	*2.3*
Renal tumour 腎腫瘤	1	0	1	1	0	1	0.4	*0.6*	0	0	0	0	0	0	0	*0*
Liver tumour 肝腫瘤	5	6	4	8	4	5	3.3	*5.1*	5	6	3	6	3	5	4.2	*5.8*
Malignant bone tumour 惡性骨腫瘤	10	10	6	8	8	8	5.1	*7.9*	8	8	4	5	7	6	5.8	*8.1*
Soft tissue sarcoma 軟組織肉瘤	6	15	8	8	15	10	6.4	*9.7*	4	12	5	4	8	7	6.0	*8.4*
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	26	18	21	17	9	18	11.1	*17.1*	13	9	11	7	2	8	7.6	*10.6*
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	17	18	14	16	11	15	9.3	*14.2*	9	5	7	3	2	5	4.7	*6.6*
Other and unspecified tumours 其他及未分類腫瘤	1	3	4	2	4	3	1.7	*2.6*	1	3	1	2	1	2	1.4	*2.0*
Total 總計	**177**	**178**	**141**	**172**	**150**	**164**	**100**	***153.3***	**128**	**127**	**90**	**111**	**98**	**111**	**100**	***140.2***

[1] Crude rates are expressed **per million** in this table due to the rarity of cancer in children.
兒童癌症並不是常見的疾病，因此圖表內的粗率以每百萬表示。