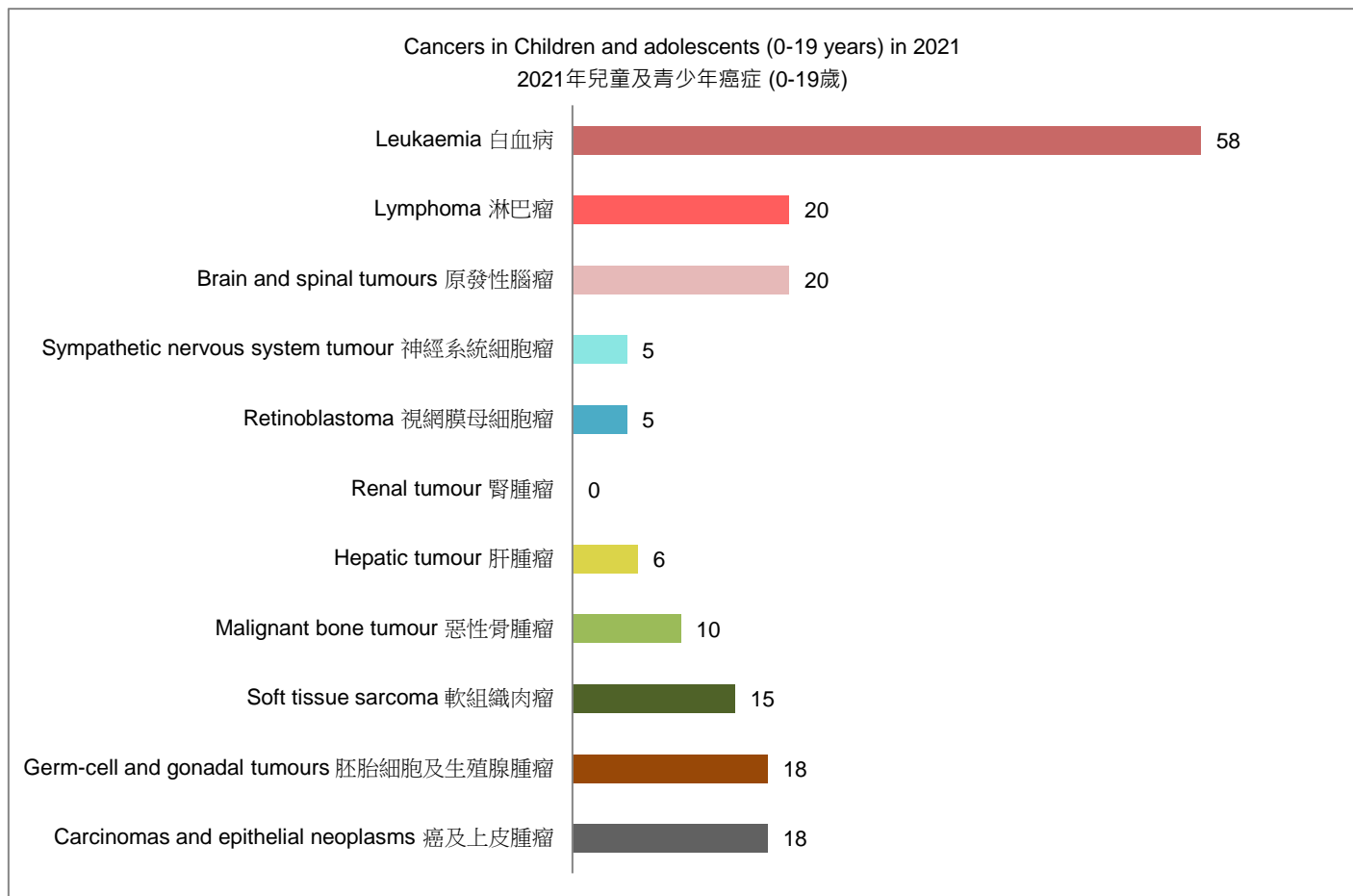


Cancer in Children and Adolescents (0-19 years) in 2021

2021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, Hesselting 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 2021

列表一 2021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	3	8	9	12	6	38	38.8	69.0	32	47.1	76.9
Lymphoma 淋巴瘤	0	2	1	1	9	13	13.3	23.6	4	5.9	9.6
Brain and spinal tumours 原發性腦瘤	1	1	6	0	0	8	8.2	14.5	8	11.8	19.2
Sympathetic nervous system tumour 神經系統細胞瘤	1	1	1	0	0	3	3.1	5.4	3	4.4	7.2
Retinoblastoma 視網膜母細胞瘤	1	2	0	0	0	3	3.1	5.4	3	4.4	7.2
Renal tumour 腎腫瘤	0	0	0	0	0	0	0	0	0	0	0
Liver tumour 肝腫瘤	0	2	0	0	0	2	2.0	3.6	2	2.9	4.8
Malignant bone tumour 惡性骨腫瘤	0	0	1	3	2	6	6.1	10.9	4	5.9	9.6
Soft tissue sarcoma 軟組織肉瘤	0	3	0	3	2	8	8.2	14.5	6	8.8	14.4
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	0	1	1	4	5	11	11.2	20.0	6	8.8	14.4
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	0	0	0	0	6	6	6.1	10.9	0	0	0
Other and unspecified tumours 其他及未分類腫瘤	0	0	0	0	0	0	0	0	0	0	0
Total 總計	6	20	19	23	30	98	100	177.9	68	100	163.5

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。

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	0	5	6	4	5	20	25.0	38.3	15	25.4	38.3
Lymphoma 淋巴瘤	0	1	2	2	2	7	8.8	13.4	5	8.5	12.8
Brain and spinal tumours 原發性腦瘤	1	3	5	1	2	12	15.0	23.0	10	16.9	25.5
Sympathetic nervous system tumour 神經系統細胞瘤	1	1	0	0	0	2	2.5	3.8	2	3.4	5.1
Retinoblastoma 視網膜母細胞瘤	0	1	1	0	0	2	2.5	3.8	2	3.4	5.1
Renal tumour 腎腫瘤	0	0	0	0	0	0	0	0	0	0	0
Liver tumour 肝腫瘤	0	3	1	0	0	4	5.0	7.7	4	6.8	10.2
Malignant bone tumour 惡性骨腫瘤	0	0	2	2	0	4	5.0	7.7	4	6.8	10.2
Soft tissue sarcoma 軟組織肉瘤	0	1	1	4	1	7	8.8	13.4	6	10.2	15.3
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	0	0	1	2	4	7	8.8	13.4	3	5.1	7.7
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	0	0	1	4	7	12	15.0	23.0	5	8.5	12.8
Other and unspecified tumours 其他及未分類腫瘤	2	1	0	0	0	3	3.8	5.7	3	5.1	7.7
Total 總計	4	16	20	19	21	80	100	153.3	59	100	150.6

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	3	13	15	16	11	58	32.6	54.1	47	37.0	58.2
Lymphoma 淋巴瘤	0	3	3	3	11	20	11.2	18.6	9	7.1	11.1
Brain and spinal tumours 原發性腦瘤	2	4	11	1	2	20	11.2	18.6	18	14.2	22.3
Sympathetic nervous system tumour 神經系統細胞瘤	2	2	1	0	0	5	2.8	4.7	5	3.9	6.2
Retinoblastoma 視網膜母細胞瘤	1	3	1	0	0	5	2.8	4.7	5	3.9	6.2
Renal tumour 腎腫瘤	0	0	0	0	0	0	0	0	0	0	0
Liver tumour 肝腫瘤	0	5	1	0	0	6	3.4	5.6	6	4.7	7.4
Malignant bone tumour 惡性骨腫瘤	0	0	3	5	2	10	5.6	9.3	8	6.3	9.9
Soft tissue sarcoma 軟組織肉瘤	0	4	1	7	3	15	8.4	14.0	12	9.4	14.9
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	0	1	2	6	9	18	10.1	16.8	9	7.1	11.1
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	0	0	1	4	13	18	10.1	16.8	5	3.9	6.2
Other and unspecified tumours 其他及未分類腫瘤	2	1	0	0	0	3	1.7	2.8	3	2.4	3.7
Total 總計	10	36	39	42	51	178	100	165.9	127	100	157.2

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。

Table 2. Trends in New Cases of Cancer among Children and Adolescents (0-19 years), 2017-21

列表二 2017-21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 年均數	Rel. freq. % 分佈 %	Crude rate ¹ 粗率 ¹	Year / No. (年度 / 數字)					Average per year 年均數	Rel. freq. % 分佈 %	Crude rate ¹ 粗率 ¹		
	2017	2018	2019	2020	2021				2017	2018	2019	2020	2021					
Leukaemia 白血病	34	30	23	33	38	32	31.7	54.7	27	23	16	29	32	25	36.4	58.8		
Lymphoma 淋巴瘤	21	17	26	14	13	18	18.3	31.5	14	10	13	9	4	10	14.3	23.2		
Brain and spinal tumours 原發性腦瘤	22	5	15	9	8	12	11.8	20.4	17	5	14	7	8	10	14.6	23.6		
Sympathetic nervous system tumour 神經系統細胞瘤	3	6	7	7	3	5	5.2	9.0	3	6	7	7	3	5	7.4	12.0		
Retinoblastoma 視網膜母細胞瘤	2	0	2	0	3	1	1.4	2.4	2	0	2	0	3	1	2.0	3.2		
Renal tumour 腎腫瘤	1	0	3	0	0	1	0.8	1.4	1	0	1	0	0	0	0.6	0.9		
Liver tumour 肝腫瘤	3	1	1	3	2	2	2.0	3.5	3	1	1	3	2	2	2.9	4.6		
Malignant bone tumour 惡性骨腫瘤	5	6	10	5	6	6	6.4	11.1	2	4	7	3	4	4	5.7	9.3		
Soft tissue sarcoma 軟組織肉瘤	1	8	6	2	8	5	5.0	8.7	1	5	3	2	6	3	4.9	7.9		
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	10	14	10	13	11	12	11.6	20.1	4	7	6	6	6	6	8.3	13.4		
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	3	5	8	6	6	6	5.6	9.7	2	2	3	3	0	2	2.9	4.6		
Other and unspecified tumours 其他及未分類腫瘤	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total 總計	105	92	111	92	98	100	100	172.5	76	63	73	69	68	70	100	161.7		

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 年均數	Rel. freq. % 分佈 %	Crude rate ¹ 粗率 ¹	Year / No. (年度 / 數字)					Average per year 年均數	Rel. freq. % 分佈 %	Crude rate ¹ 粗率 ¹		
	2017	2018	2019	2020	2021				2017	2018	2019	2020	2021					
Leukaemia 白血病	19	33	25	24	20	24	28.7	44.5	17	31	23	22	15	22	35.4	53.4		
Lymphoma 淋巴瘤	9	13	12	12	7	11	12.6	19.5	3	6	9	3	5	5	8.5	12.8		
Brain and spinal tumours 原發性腦瘤	9	13	10	6	12	10	11.8	18.4	8	11	9	5	10	9	14.1	21.2		
Sympathetic nervous system tumour 神經系統細胞瘤	1	5	7	6	2	4	5.0	7.7	1	5	7	6	2	4	6.9	10.4		
Retinoblastoma 視網膜母細胞瘤	0	1	0	0	2	1	0.7	1.1	0	1	0	0	2	1	1.0	1.5		
Renal tumour 腎腫瘤	1	3	1	1	0	1	1.4	2.2	1	3	1	0	0	1	1.6	2.5		
Liver tumour 肝腫瘤	3	2	1	2	4	2	2.8	4.4	3	2	1	2	4	2	3.9	5.9		
Malignant bone tumour 惡性骨腫瘤	5	5	5	5	4	5	5.7	8.8	4	3	4	5	4	4	6.6	9.9		
Soft tissue sarcoma 軟組織肉瘤	3	6	3	4	7	5	5.5	8.5	2	5	3	2	6	4	5.9	8.9		
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	12	9	11	13	7	10	12.3	19.1	8	2	5	7	3	5	8.2	12.4		
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	13	7	10	11	12	11	12.6	19.5	3	3	3	6	5	4	6.6	9.9		
Other and unspecified tumours 其他及未分類腫瘤	0	0	0	1	3	1	0.9	1.5	0	0	0	1	3	1	1.3	2.0		
Total 總計	75	97	85	85	80	84	100	155.2	50	72	65	59	59	61	100	150.7		

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。

2.3 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 年均數	Rel. freq. % 分佈 %	Crude rate ¹ 粗率 ¹	Year / No. (年度 / 數字)					Average per year 年均數	Rel. freq. % 分佈 %	Crude rate ¹ 粗率 ¹
	2017	2018	2019	2020	2021				2017	2018	2019	2020	2021			
Leukaemia 白血病	53	63	48	57	58	56	30.3	49.8	44	54	39	51	47	47	35.9	56.2
Lymphoma 淋巴瘤	30	30	38	26	20	29	15.7	25.7	17	16	22	12	9	15	11.6	18.2
Brain and spinal tumours 原發性腦瘤	31	18	25	15	20	22	11.8	19.4	25	16	23	12	18	19	14.4	22.5
Sympathetic nervous system tumour 神經系統細胞瘤	4	11	14	13	5	9	5.1	8.4	4	11	14	13	5	9	7.2	11.2
Retinoblastoma 視網膜母細胞瘤	2	1	2	0	5	2	1.1	1.8	2	1	2	0	5	2	1.5	2.4
Renal tumour 腎腫瘤	2	3	4	1	0	2	1.1	1.8	2	3	2	0	0	1	1.1	1.7
Liver tumour 肝腫瘤	6	3	2	5	6	4	2.4	3.9	6	3	2	5	6	4	3.4	5.3
Malignant bone tumour 惡性骨腫瘤	10	11	15	10	10	11	6.1	10.0	6	7	11	8	8	8	6.1	9.6
Soft tissue sarcoma 軟組織肉瘤	4	14	9	6	15	10	5.2	8.6	3	10	6	4	12	7	5.4	8.4
Germ-cell and gonadal tumours 胚胎細胞及生殖腺腫瘤	22	23	21	26	18	22	12.0	19.6	12	9	11	13	9	11	8.3	12.9
Carcinomas and epithelial neoplasms 癌及上皮腫瘤	16	12	18	17	18	16	8.8	14.4	5	5	6	9	5	6	4.6	7.2
Other and unspecified tumours 其他及未分類腫瘤	0	0	0	1	3	1	0.4	0.7	0	0	0	1	3	1	0.6	1.0
Total 總計	180	189	196	177	178	184	100	164.1	126	135	138	128	127	131	100	156.4

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。