

THAILAND, Khon Kaen (1993-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups					ASR per million					0-14	0-19	Number of cases in age groups					ASR per million				
	0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19	0			1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19		
I LEUKAEMIA	14	77	46	44	28	181	209	50.6	43.5	1.6	1.5	8	54	31	20	26	113	139	34.1	30.6		
a. Lymphoid	8	56	31	31	12	126	138	35.2	29.1	1.5	1.5	5	43	23	12	12	83	95	25.4	21.6		
b. Acute myeloid	3	11	11	8	7	33	40	9.0	8.1	1.6	1.2	2	6	7	6	12	21	33	5.9	6.5		
c. CMD	0	0	1	2	4	3	7	0.7	1.1	-	7.0	0	0	0	0	1	0	1	-	0.2		
d. MDS & other	1	0	0	1	0	2	2	0.5	0.4	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	2	10	3	2	5	17	22	5.1	4.7	1.9	2.2	1	5	1	2	1	9	10	2.8	2.3		
II LYMPHOMA & RELATED	2	9	17	12	18	40	58	10.4	10.8	2.1	1.8	3	3	4	9	14	19	33	5.1	6.2		
a. Hodgkin	0	0	3	1	8	4	12	1.0	2.0	1.3	3.0	0	0	0	3	1	3	4	0.7	0.7		
b. Non-Hodgkin except BL	0	2	13	9	8	24	32	5.8	5.7	2.2	1.5	0	3	3	5	11	11	22	2.9	4.0		
c. Burkitt (BL)	1	3	1	0	0	5	5	1.6	1.2	5.0	2.5	0	0	1	0	1	1	2	0.3	0.4		
d. Lymphoreticular	1	3	0	0	0	4	4	1.3	1.0	1.3	1.3	3	0	0	0	0	3	3	1.0	0.8		
e. Unspecified	0	1	0	2	2	3	5	0.7	0.9	3.0	2.5	0	0	0	1	1	1	2	0.2	0.3		
III CNS NEOPLASMS	3	13	22	22	11	60	71	15.4	13.6	1.2	1.2	2	14	19	16	7	51	58	14.1	12.0		
a. Ependymoma	0	0	1	0	1	1	2	0.3	0.3	0.3	0.5	1	0	3	0	0	4	4	1.1	0.9		
b. Astrocytoma	1	1	4	7	0	13	13	3.1	2.4	1.9	1.2	0	3	0	4	4	7	11	1.9	2.1		
c. CNS embryonal	1	2	3	4	1	10	11	2.6	2.1	0.8	0.8	0	3	5	4	1	12	13	3.2	2.7		
d. Other gliomas	0	2	0	2	1	4	5	1.1	1.0	1.0	1.3	1	1	1	1	0	4	4	1.2	0.9		
e. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.3	0.3		
f. Unspecified CNS	1	8	14	9	8	32	40	8.3	7.7	1.4	1.6	0	6	10	7	2	23	25	6.3	5.2		
IV NEUROBLASTOMA	1	14	2	1	0	18	18	5.6	4.4	1.2	1.1	3	8	3	1	2	15	17	4.8	4.1		
a. (Ganglio)neuroblastoma	1	14	2	0	0	17	17	5.4	4.2	1.1	1.0	3	8	3	1	2	15	17	4.8	4.1		
b. Peripheral nervous	0	0	0	1	0	1	1	0.2	0.2	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	3	8	0	0	0	11	11	3.6	2.8	0.7	0.7	2	10	1	2	0	15	15	4.9	3.8		
VI RENAL TUMOURS	1	9	1	1	0	12	12	3.7	2.9	0.9	0.9	3	8	2	0	0	13	13	4.3	3.4		
a. Nephroblastoma	1	8	0	0	0	9	9	3.0	2.3	0.8	0.8	3	8	1	0	0	12	12	4.1	3.2		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.3	0.2		
c. Unspecified	0	1	1	1	0	3	3	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	3	4	0	3	7	10	17	2.9	3.3	1.7	2.4	3	1	2	0	1	6	7	1.9	1.6		
a. Hepatoblastoma	2	3	0	0	0	5	5	1.6	1.3	1.3	1.3	3	1	0	0	0	4	4	1.4	1.1		
b. Hepatic carcinoma	0	0	0	0	3	0	3	-	0.5	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	1	1	0	3	4	5	9	1.3	1.6	2.5	3.0	0	0	2	0	1	2	3	0.5	0.6		
VIII BONE TUMOURS	0	1	2	5	17	8	25	1.9	4.0	0.5	1.0	0	0	3	13	10	16	26	3.7	4.4		
a. Osteosarcoma	0	0	2	4	15	6	21	1.3	3.3	0.4	0.9	0	0	3	11	9	14	23	3.2	3.9		
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.2	-	1.0	0	0	0	1	0	1	1	-	0.2		
c. Ewing & related	0	0	0	1	1	1	2	0.2	0.3	1.0	2.0	0	0	0	1	0	1	1	0.2	0.2		
d. Other specified	0	1	0	0	0	1	1	0.3	0.3	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.2	0.2		
IX SOFT TISSUE SARCOMA	1	8	2	8	8	19	27	5.1	5.2	1.1	1.1	3	7	2	5	8	17	25	5.1	5.2		
a. Rhabdomyosarcoma	0	5	1	2	1	8	9	2.3	1.9	0.9	0.9	1	5	1	2	1	9	10	2.8	2.3		
b. Fibrosarcoma	1	0	0	0	1	1	2	0.3	0.4	0.5	1.0	0	1	0	1	0	2	2	0.6	0.4		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	2	1	5	2	8	10	2.0	1.8	2.7	1.0	2	1	0	0	7	3	10	1.0	1.9		
e. Unspecified	0	1	0	1	4	2	6	0.5	1.0	0.7	2.0	0	0	1	2	0	3	3	0.7	0.5		
X GERM CELL TUMOURS	3	3	1	9	16	16	32	4.1	5.6	0.5	0.5	2	3	10	16	30	31	61	7.9	10.9		
a. CNS germ cell	0	0	0	4	4	4	8	0.8	1.3	4.0	4.0	0	0	1	0	1	1	2	0.3	0.4		
b. Other extragonadal	1	0	0	5	5	6	11	1.4	1.8	1.0	0.7	2	2	0	2	10	6	16	1.8	3.0		
c. Gonadal germ cell	2	3	1	0	7	6	13	1.9	2.5	0.3	0.4	0	1	9	12	13	22	35	5.4	6.2		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	5	0	5	-	0.8		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	1	2	3	0.4	0.5		
XI CARCINOMA & MELANOMA	0	5	4	8	15	17	32	4.3	5.6	0.9	0.7	0	0	5	13	26	18	44	4.2	7.4		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	1	1	3	2	5	0.5	0.8	0.2	0.2	0	0	2	7	15	9	24	2.1	4.0		
c. Nasopharyngeal	0	1	1	5	3	7	10	1.6	1.7	7.0	3.3	0	0	0	1	2	1	3	0.2	0.5		
d. Melanoma	0	0	2	0	0	2	2	0.5	0.4	1.0	0.5	0	0	1	1	2	2	4	0.5	0.7		
e. Skin carcinoma	0	1	0	0	2	1	3	0.3	0.6	0.3	0.8	0	0	1	2	1	3	4	0.7	0.7		
f. Other & unspecified	0	3	0	2	7	5	12	1.4	2.2	1.7	1.3	0	0	1	2	6	3	9	0.7	1.5		
XII OTHER & UNSPECIFIED	3	9	4	4	10	20	30	5.8	6.0	3.3	2.1	1	4	1	0	8	6	14	2.0	2.8		
a. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.2		
b. Other unspecified	3	9	4	4	10	20	30	5.8	6.0	3.3	2.3	1	4	1	0	7	6	13	2.0	2.7		
TOTAL	34	160	101	117	130	412	542	113.4	107.7	1.3	1.2	30	112	83	95	132	320	452	92.1	92.3		

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	214 791	202 844
	1-4	965 532	911 538
	5-9	1 290 203	1 223 429
	10-14	1 384 808	1 318 627
	15-19	1 476 567	1 421 798
Total	0-14	3 855 334	3 656 438
	0-19	5 331 901	5 078 236
Average annual population	0-14	192 767	182 822
	0-19	266 595	253 912

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