

## THAILAND, Chiang Mai (1993-2012)

	Number of cases							Percentage				Incidence rates per million person-years							MV % 0-19	DCO % 0-19		
	Age group							0-14		0-19		Age-specific					Cumulative					
	0	1-4	5-9	10-14	15-19	0-14	0-19	All	Group	All	Group	0	1-4	5-9	10-14	15-19	0-14	0-19			0-14	0-19
<b>I LEUKAEMIA</b>	14	95	78	65	59	252	311	37.8	100.0	32.5	100.0	43.9	67.1	40.5	30.8	25.2	46.3	41.6	671	797	99.4	0.6
a. Lymphoid	5	60	58	35	22	158	180	23.7	62.7	18.8	57.9	15.7	42.4	30.1	16.6	9.4	29.0	24.6	421	468	100.0	0.0
b. Acute myeloid	5	22	17	20	28	64	92	9.6	25.4	9.6	29.6	15.7	15.5	8.8	9.5	12.0	11.6	11.7	169	229	100.0	0.0
c. CMD	0	1	2	7	2	10	12	1.5	4.0	1.3	3.9	-	0.7	1.0	3.3	0.9	1.5	1.4	25	29	100.0	0.0
d. MDS & other	1	2	0	0	2	3	5	0.5	1.2	0.5	1.6	3.1	1.4	-	-	0.9	0.7	0.7	9	13	100.0	0.0
e. Unspecified	3	10	1	3	5	17	22	2.6	6.7	2.3	7.1	9.4	7.1	0.5	1.4	2.1	3.5	3.2	47	58	90.9	9.1
<b>II LYMPHOMA &amp; RELATED</b>	3	16	28	33	46	80	126	12.0	100.0	13.2	100.0	9.4	11.3	14.5	15.6	19.7	13.5	14.9	206	304	100.0	0.0
a. Hodgkin	0	2	7	7	5	16	21	2.4	20.0	2.2	16.7	-	1.4	3.6	3.3	2.1	2.6	2.5	41	51	100.0	0.0
b. Non-Hodgkin except BL	1	6	11	20	33	38	71	5.7	47.5	7.4	56.3	3.1	4.2	5.7	9.5	14.1	6.2	7.9	96	167	100.0	0.0
c. Burkitt (BL)	0	4	6	1	2	11	13	1.7	13.8	1.4	10.3	-	2.8	3.1	0.5	0.9	2.0	1.8	29	34	100.0	0.0
d. Lymphoreticular	2	2	1	3	1	8	9	1.2	10.0	0.9	7.1	6.3	1.4	0.5	1.4	0.4	1.5	1.2	21	23	100.0	0.0
e. Unspecified	0	2	3	2	5	7	12	1.1	8.8	1.3	9.5	-	1.4	1.6	0.9	2.1	1.2	1.4	18	29	100.0	0.0
<b>III CNS NEOPLASMS †</b>	4	23	40	35	26	102	128	15.3	100.0	13.4	100.0	12.6	16.2	20.8	16.6	11.1	17.5	16.1	265	320	74.2	2.3
a. Ependymoma	1	3	1	2	2	7	9	1.1	6.9	0.9	7.0	3.1	2.1	0.5	0.9	0.9	1.3	1.2	19	23	100.0	0.0
b. Astrocytoma	1	6	20	12	14	39	53	5.9	38.2	5.5	41.4	3.1	4.2	10.4	5.7	6.0	6.6	6.4	101	130	100.0	0.0
c. CNS embryonal	2	7	8	7	2	24	26	3.6	23.5	2.7	20.3	6.3	4.9	4.2	3.3	0.9	4.3	3.5	63	68	100.0	0.0
d. Other gliomas	0	0	1	2	2	3	5	0.5	2.9	0.5	3.9	-	-	0.5	0.9	0.9	0.4	0.5	7	12	80.0	0.0
e. Other specified	0	0	1	2	0	3	3	0.5	2.9	0.3	2.3	-	-	0.5	0.9	-	0.4	0.3	7	7	100.0	0.0
f. Unspecified CNS	0	7	9	10	6	26	32	3.9	25.5	3.3	25.0	-	4.9	4.7	4.7	2.6	4.4	4.0	67	80	0.0	9.4
<b>IV NEUROBLASTOMA</b>	3	16	2	1	0	22	22	3.3	100.0	2.3	100.0	9.4	11.3	1.0	0.5	-	4.7	3.7	62	62	95.5	0.0
a. (Ganglio)neuroblastoma	3	16	2	1	0	22	22	3.3	100.0	2.3	100.0	9.4	11.3	1.0	0.5	-	4.7	3.7	62	62	95.5	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>V RETINOBLASTOMA</b>	2	13	1	0	0	16	16	2.4	100.0	1.7	100.0	6.3	9.2	0.5	-	-	3.5	2.7	46	46	93.8	0.0
<b>VI RENAL TUMOURS</b>	6	10	2	0	4	18	22	2.7	100.0	2.3	100.0	18.8	7.1	1.0	-	1.7	3.9	3.4	51	60	59.1	0.0
a. Nephroblastoma	4	6	1	0	0	11	11	1.7	61.1	1.1	50.0	12.6	4.2	0.5	-	-	2.4	1.9	31	31	100.0	0.0
b. Renal carcinoma	0	0	0	0	2	0	2	-	-	0.2	9.1	-	-	-	-	0.9	-	0.2	-	4	100.0	0.0
c. Unspecified	2	4	1	0	2	7	9	1.1	38.9	0.9	40.9	6.3	2.8	0.5	-	0.9	1.5	1.4	20	24	0.0	0.0
<b>VII HEPATIC TUMOURS</b>	1	4	5	7	13	17	30	2.6	100.0	3.1	100.0	3.1	2.8	2.6	3.3	5.6	2.9	3.5	44	72	40.0	6.7
a. Hepatoblastoma	0	1	0	0	0	1	1	0.2	5.9	0.1	3.3	-	0.7	-	-	-	0.2	0.2	3	3	100.0	0.0
b. Hepatic carcinoma	0	0	1	3	6	4	10	0.6	23.5	1.0	33.3	-	-	0.5	1.4	2.6	0.6	1.0	10	23	100.0	0.0
c. Unspecified	1	3	4	4	7	12	19	1.8	70.6	2.0	63.3	3.1	2.1	2.1	1.9	3.0	2.1	2.3	31	46	5.3	10.5
<b>VIII BONE TUMOURS</b>	1	2	9	20	18	32	50	4.8	100.0	5.2	100.0	3.1	1.4	4.7	9.5	7.7	4.9	5.6	79	118	96.0	0.0
a. Osteosarcoma	0	0	9	14	16	23	39	3.5	71.9	4.1	78.0	-	-	4.7	6.6	6.8	3.4	4.2	57	91	100.0	0.0
b. Chondrosarcoma	0	0	0	1	0	1	1	0.2	3.1	0.1	2.0	-	-	-	0.5	-	0.1	0.1	2	2	100.0	0.0
c. Ewing & related	1	2	0	3	2	6	8	0.9	18.8	0.8	16.0	3.1	1.4	-	1.4	0.9	1.1	1.0	16	20	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	2	0	2	2	0.3	6.3	0.2	4.0	-	-	-	0.9	-	0.3	0.2	5	5	0.0	0.0
<b>IX SOFT TISSUE SARCOMA</b>	1	6	8	12	11	27	38	4.1	100.0	4.0	100.0	3.1	4.2	4.2	5.7	4.7	4.6	4.6	69	93	100.0	0.0
a. Rhabdomyosarcoma	0	5	2	2	2	9	11	1.4	33.3	1.1	28.9	-	3.5	1.0	0.9	0.9	1.7	1.5	24	29	100.0	0.0
b. Fibrosarcoma	1	0	1	2	0	4	4	0.6	14.8	0.4	10.5	3.1	-	0.5	0.9	-	0.7	0.5	10	10	100.0	0.0
c. Kaposi sarcoma	0	0	1	0	1	1	2	0.2	3.7	0.2	5.3	-	-	0.5	-	0.4	0.2	0.2	3	5	100.0	0.0
d. Other specified	0	1	4	6	7	11	18	1.7	40.7	1.9	47.4	-	0.7	2.1	2.8	3.0	1.7	2.0	27	42	100.0	0.0
e. Unspecified	0	0	0	2	1	2	3	0.3	7.4	0.3	7.9	-	-	-	0.9	0.4	0.3	0.3	5	7	100.0	0.0
<b>X GERM CELL TUMOURS</b>	3	7	5	28	33	43	76	6.5	100.0	7.9	100.0	9.4	4.9	2.6	13.3	14.1	6.9	8.5	108	179	96.1	0.0
a. CNS germ cell	0	0	2	9	0	11	11	1.7	25.6	1.1	14.5	-	-	1.0	4.3	-	1.6	1.2	27	27	100.0	0.0
b. Other extragonadal	3	4	0	4	6	11	17	1.7	25.6	1.8	22.4	9.4	2.8	-	1.9	2.6	2.1	2.2	30	42	94.1	0.0
c. Gonadal germ cell	0	3	2	13	18	18	36	2.7	41.9	3.8	47.4	-	2.1	1.0	6.2	7.7	2.8	3.9	45	83	100.0	0.0
d. Gonadal carcinoma	0	0	0	2	7	2	9	0.3	4.7	0.9	11.8	-	-	-	0.9	3.0	0.3	0.9	5	20	100.0	0.0
e. Unspecified gonadal	0	0	1	0	2	1	3	0.2	2.3	0.3	3.9	-	-	0.5	-	0.9	0.2	0.3	3	7	33.3	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	1	2	3	16	64	22	86	3.3	100.0	9.0	100.0	3.1	1.4	1.6	7.6	27.4	3.4	8.8	54	191	100.0	0.0
a. Adrenocortical	0	2	0	0	0	2	2	0.3	9.1	0.2	2.3	-	1.4	-	-	-	0.4	0.3	6	6	100.0	0.0
b. Thyroid	0	0	1	6	18	7	25	1.1	31.8	2.6	29.1	-	-	0.5	2.8	7.7	1.0	2.5	17	55	100.0	0.0
c. Nasopharyngeal	0	0	0	5	10	5	15	0.8	22.7	1.6	17.4	-	-	-	2.4	4.3	0.7	1.5	12	33	100.0	0.0
d. Melanoma	0	0	0	1	1	1	2	0.2	4.5	0.2	2.3	-	-	-	0.5	0.4	0.1	0.2	2	5	100.0	0.0
e. Skin carcinoma	0	0	0	0	5	0	5	-	-	0.5	5.8	-	-	-	-	2.1	-	0.5	-	11	100.0	0.0
f. Other & unspecified	1	0	2	4	30	7	37	1.1	31.8	3.9	43.0	3.1	-	1.0	1.9	12.8	1.1	3.7	18	82	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	5	9	5	16	18	35	53	5.3	100.0	5.5	100.0	15.7	6.4	2.6	7.6	7.7	6.2	6.5	91	130	15.1	39.6
a. Other specified	1	0	0	3	1	4	5	0.6	11.4	0.5	9.4	3.1	-	-	1.4	0.4	0.6	0.6	10	12	100.0	0.0
b. Other unspecified	4	9	5	13	17	31	48	4.7	88.6	5.0	90.6	12.6	6.4	2.6	6.2	7.3	5.5	5.9	81	118	6.3	43.8
<b>TOTAL</b>	44	203	186	233	292	666	958	100.0	100.0	100.0	100.0	138.1	143.4	96.6	110.4	124.9	118.3	119.8	1747	2371	88.1	2.9

† includes 20 non-malignant

Please consult the quality indicators for this registry

## THAILAND, Chiang Mai (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		
<b>I LEUKAEMIA</b>	8	50	49	38	33	145	178	51.4	46.1	1.4	1.3	6	45	29	27	26	107	133	41.0	36.8		
a. Lymphoid	2	31	37	24	17	94	111	32.9	28.7	1.5	1.6	3	29	21	11	5	64	69	25.0	20.4		
b. Acute myeloid	3	12	9	10	13	34	47	12.1	11.9	1.1	1.0	2	10	8	10	15	30	45	11.1	11.5		
c. CMD	0	1	2	2	1	5	6	1.6	1.5	1.0	1.0	0	0	0	5	1	5	6	1.4	1.3		
d. MDS & other	1	1	0	0	0	2	2	0.9	0.7	2.0	0.7	0	1	0	0	2	1	3	0.5	0.7		
e. Unspecified	2	5	1	2	2	10	12	3.9	3.4	1.4	1.2	1	5	0	1	3	7	10	3.0	2.9		
<b>II LYMPHOMA &amp; RELATED</b>	1	14	23	22	31	60	91	19.9	21.4	3.0	2.6	2	2	5	11	15	20	35	6.6	8.1		
a. Hodgkin	0	2	6	6	3	14	17	4.4	4.0	7.0	4.3	0	0	1	1	2	2	4	0.6	0.9		
b. Non-Hodgkin except BL	1	5	8	12	21	26	47	8.4	10.6	2.2	2.0	0	1	3	8	12	12	24	3.7	5.2		
c. Burkitt (BL)	0	4	5	1	2	10	12	3.6	3.2	10.0	12.0	0	0	1	0	0	1	1	0.3	0.3		
d. Lymphoreticular	0	2	1	2	1	5	6	1.7	1.5	1.7	2.0	2	0	0	1	0	3	3	1.2	0.9		
e. Unspecified	0	1	3	1	4	5	9	1.7	2.1	2.5	3.0	0	1	0	1	1	2	3	0.7	0.8		
<b>III CNS NEOPLASMS †</b>	4	17	19	22	12	62	74	21.2	18.8	1.6	1.4	0	6	21	13	14	40	54	13.6	13.3		
a. Ependymoma	1	1	1	1	0	4	4	1.5	1.1	1.3	0.8	0	2	0	1	2	3	5	1.2	1.3		
b. Astrocytoma	1	6	9	10	9	26	35	8.7	8.4	2.0	1.9	0	0	11	2	5	13	18	4.3	4.3		
c. CNS embryonal	2	4	5	4	2	15	17	5.3	4.5	1.7	1.9	0	3	3	3	0	9	9	3.3	2.5		
d. Other gliomas	0	0	0	1	0	1	1	0.3	0.2	0.5	0.3	0	0	1	1	2	2	4	0.6	0.9		
e. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	2	0	3	3	0.9	0.7		
f. Unspecified CNS	0	6	4	6	1	16	17	5.5	4.5	1.6	1.1	0	1	5	4	5	10	15	3.3	3.5		
<b>IV NEUROBLASTOMA</b>	2	6	1	0	0	9	9	3.8	2.9	0.7	0.7	1	10	1	1	0	13	13	5.7	4.4		
a. (Ganglio)neuroblastoma	2	6	1	0	0	9	9	3.8	2.9	0.7	0.7	1	10	1	1	0	13	13	5.7	4.4		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>V RETINOBLASTOMA</b>	0	5	0	0	0	5	5	2.2	1.7	0.5	0.5	2	8	1	0	0	11	11	4.9	3.8		
<b>VI RENAL TUMOURS</b>	5	4	1	0	0	10	10	4.2	3.3	1.3	0.8	1	6	1	0	4	8	12	3.6	3.5		
a. Nephroblastoma	3	2	0	0	0	5	5	2.2	1.7	0.8	0.8	1	4	1	0	0	6	6	2.6	2.0		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.4		
c. Unspecified	2	2	1	0	0	5	5	2.1	1.6	2.5	1.3	0	2	0	0	2	2	4	0.9	1.1		
<b>VII HEPATIC TUMOURS</b>	1	1	5	6	8	13	21	4.1	4.7	3.3	2.3	0	3	0	1	5	4	9	1.7	2.3		
a. Hepatoblastoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.5	0.4		
b. Hepatic carcinoma	0	0	1	2	3	3	6	0.9	1.2	3.0	1.5	0	0	0	1	3	1	4	0.3	0.8		
c. Unspecified	1	1	4	4	5	10	15	3.3	3.5	5.0	3.8	0	2	0	0	2	2	4	0.9	1.1		
<b>VIII BONE TUMOURS</b>	0	1	3	14	12	18	30	5.2	6.3	1.3	1.5	1	1	6	6	6	14	20	4.7	4.8		
a. Osteosarcoma	0	0	3	8	11	11	22	3.1	4.5	0.9	1.3	0	0	6	6	5	12	17	3.8	3.9		
b. Chondrosarcoma	0	0	0	1	0	1	1	0.3	0.2	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	0	3	1	4	5	1.2	1.2	2.0	1.7	1	1	0	0	1	2	3	0.9	0.9		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	2	0	2	2	0.5	0.4	-	-	0	0	0	0	0	0	0	-	-		
<b>IX SOFT TISSUE SARCOMA</b>	1	4	4	3	5	12	17	4.3	4.3	0.8	0.8	0	2	4	9	6	15	21	4.8	4.9		
a. Rhabdomyosarcoma	0	3	1	0	1	4	5	1.6	1.5	0.8	0.8	0	2	1	2	1	5	6	1.8	1.6		
b. Fibrosarcoma	1	0	1	1	0	3	3	1.0	0.8	3.0	3.0	0	0	0	1	0	1	1	0.3	0.2		
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.2	0.0	1.0	0	0	1	0	0	1	1	0.3	0.3		
d. Other specified	0	1	2	2	3	5	8	1.6	1.8	0.8	0.8	0	0	2	4	4	6	10	1.8	2.2		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	1	2	3	0.6	0.6		
<b>X GERM CELL TUMOURS</b>	0	3	1	13	8	17	25	5.1	5.5	0.7	0.5	3	4	4	15	25	26	51	8.8	11.7		
a. CNS germ cell	0	0	1	8	0	9	9	2.5	1.9	4.5	4.5	0	0	1	1	0	2	2	0.6	0.5		
b. Other extragonadal	0	0	0	4	3	4	7	1.1	1.4	0.6	0.7	3	4	0	0	3	7	10	3.2	3.1		
c. Gonadal germ cell	0	3	0	1	4	4	8	1.6	2.0	0.3	0.3	0	0	2	12	14	14	28	4.1	5.9		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	7	2	9	0.6	1.8		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.2	0.0	0.5	0	0	1	0	1	1	2	0.3	0.5		
<b>XI CARCINOMA &amp; MELANOMA</b>	1	2	0	9	28	12	40	3.7	8.2	1.2	0.9	0	0	3	7	36	10	46	3.0	9.3		
a. Adrenocortical	0	2	0	0	0	2	2	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	1	1	1	2	0.3	0.4	0.2	0.1	0	0	1	5	17	6	23	1.8	4.7		
c. Nasopharyngeal	0	0	0	4	7	4	11	1.1	2.2	4.0	2.8	0	0	0	1	3	1	4	0.3	0.8		
d. Melanoma	0	0	0	1	0	1	1	0.3	0.2	-	1.0	0	0	0	0	1	0	1	-	0.2		
e. Skin carcinoma	0	0	0	0	4	0	4	-	0.8	-	4.0	0	0	0	0	1	0	1	-	0.2		
f. Other & unspecified	1	0	0	3	16	4	20	1.2	4.0	1.3	1.2	0	0	2	1	14	3	17	1.0	3.5		
<b>XII OTHER &amp; UNSPECIFIED</b>	4	6	2	10	11	22	33	7.7	8.1	1.7	1.6	1	3	3	6	7	13	20	4.6	4.9		
a. Other specified	1	0	0	2	1	3	4	1.0	0.9	3.0	4.0	0	0	0	1	0	1	1	0.3	0.2		
b. Other unspecified	3	6	2	8	10	19	29	6.7	7.1	1.6	1.5	1	3	3	5	7	12	19	4.3	4.7		
<b>TOTAL</b>	27	113	108	137	148	385	533	132.9	131.2	1.4	1.3	17	90	78	96	144	281	425	102.9	107.7		

† includes 11 non-malignant in males and 9 non-malignant in females

Please consult the quality indicators for this registry

## THAILAND, Chiang Mai (1993-2012)

	Age group	Males	Females
Person-years	0	163 854	154 755
	1-4	727 759	688 241
	5-9	987 111	938 577
	10-14	1 079 108	1 032 015
	15-19	1 179 915	1 158 883
Total	0-14	2 957 832	2 813 588
	0-19	4 137 747	3 972 471
Average annual population	0-14	147 892	140 679
	0-19	206 887	198 624

Please consult the quality indicators for this registry