

## THAILAND, 6 registries (1993-2013)

	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	ASR			0-19	0-14
<b>I LEUKAEMIA</b>	95	667	484	422	387	1668	2055	39.2	100.0	33.4	100.0	40.1	67.4	36.4	30.2	24.0	44.6	39.9	644	763	99.2	0.7
a. Lymphoid	36	425	329	217	133	1007	1140	23.6	60.4	18.5	55.5	15.2	42.9	24.8	15.5	8.2	27.0	22.8	389	430	100.0	0.0
b. Acute myeloid	25	97	64	84	116	270	386	6.3	16.2	6.3	18.8	10.6	9.8	4.8	6.0	7.2	7.1	7.2	104	140	100.0	0.0
c. CMD	3	13	15	27	35	58	93	1.4	3.5	1.5	4.5	1.3	1.3	1.1	1.9	2.2	1.4	1.6	22	33	100.0	0.0
d. MDS & other	2	5	0	2	7	9	16	0.2	0.5	0.3	0.8	0.8	0.5	-	0.1	0.4	0.3	0.3	4	6	100.0	0.0
e. Unspecified	29	127	76	92	96	324	420	7.6	19.4	6.8	20.4	12.3	12.8	5.7	6.6	5.9	8.7	8.1	125	155	96.2	3.3
<b>II LYMPHOMA &amp; RELATED</b>	9	97	138	169	273	413	686	9.7	100.0	11.1	100.0	3.8	9.8	10.4	12.1	16.9	10.2	11.7	156	240	100.0	0.0
a. Hodgkin	0	12	30	42	59	84	143	2.0	20.3	2.3	20.8	-	1.2	2.3	3.0	3.7	2.0	2.4	31	49	100.0	0.0
b. Non-Hodgkin except BL	2	31	63	89	149	185	334	4.3	44.8	5.4	48.7	0.8	3.1	4.7	6.4	9.2	4.4	5.5	69	115	100.0	0.0
c. Burkitt (BL)	1	15	14	4	7	34	41	0.8	8.2	0.7	6.0	0.4	1.5	1.1	0.3	0.4	0.9	0.8	13	15	100.0	0.0
d. Lymphoreticular	6	15	5	5	3	31	34	0.7	7.5	0.6	5.0	2.5	1.5	0.4	0.4	0.2	0.9	0.7	12	13	100.0	0.0
e. Unspecified	0	24	26	29	55	79	134	1.9	19.1	2.2	19.5	-	2.4	2.0	2.1	3.4	2.0	2.3	30	47	100.0	0.0
<b>III CNS NEOPLASMS †</b>	23	158	228	197	148	606	754	14.2	100.0	12.3	100.0	9.7	16.0	17.2	14.1	9.2	15.3	13.9	230	276	73.7	3.8
a. Ependymoma	4	13	9	12	6	38	44	0.9	6.3	0.7	5.8	1.7	1.3	0.7	0.9	0.4	1.0	0.9	15	16	100.0	0.0
b. Astrocytoma	5	49	66	74	71	194	265	4.6	32.0	4.3	35.1	2.1	5.0	5.0	5.3	4.4	4.8	4.7	73	95	100.0	0.0
c. CNS embryonal	7	51	62	35	14	155	169	3.6	25.6	2.7	22.4	3.0	5.2	4.7	2.5	0.9	4.1	3.3	59	64	100.0	0.0
d. Other gliomas	1	7	20	16	10	44	54	1.0	7.3	0.9	7.2	0.4	0.7	1.5	1.1	0.6	1.1	1.0	17	20	98.1	0.0
e. Other specified	0	3	7	7	8	17	25	0.4	2.8	0.4	3.3	-	0.3	0.5	0.5	0.5	0.4	0.4	6	9	100.0	0.0
f. Unspecified CNS	6	35	64	53	39	158	197	3.7	26.1	3.2	26.1	2.5	3.5	4.8	3.8	2.4	3.9	3.6	60	72	0.0	14.7
<b>IV NEUROBLASTOMA</b>	16	105	29	9	6	159	165	3.7	100.0	2.7	100.0	6.8	10.6	2.2	0.6	0.4	4.7	3.7	63	65	99.4	0.0
a. (Ganglio)neuroblastoma	15	105	28	8	5	156	161	3.7	98.1	2.6	97.6	6.3	10.6	2.1	0.6	0.3	4.6	3.7	62	64	99.4	0.0
b. Peripheral nervous	1	0	1	1	1	3	4	0.1	1.9	0.1	2.4	0.4	-	0.1	0.1	0.1	0.1	0.1	1	1	100.0	0.0
<b>V RETINOBLASTOMA</b>	18	104	9	2	0	133	133	3.1	100.0	2.2	100.0	7.6	10.5	0.7	0.1	-	4.1	3.2	54	54	99.2	0.0
<b>VI RENAL TUMOURS</b>	17	72	17	9	14	115	129	2.7	100.0	2.1	100.0	7.2	7.3	1.3	0.6	0.9	3.4	2.8	46	50	86.8	0.8
a. Nephroblastoma	15	63	11	2	1	91	92	2.1	79.1	1.5	71.3	6.3	6.4	0.8	0.1	0.1	2.8	2.2	37	37	100.0	0.0
b. Renal carcinoma	0	1	3	6	9	10	19	0.2	8.7	0.3	14.7	-	0.1	0.2	0.4	0.6	0.2	0.3	4	6	100.0	0.0
c. Unspecified	2	8	3	1	4	14	18	0.3	12.2	0.3	14.0	0.8	0.8	0.2	0.1	0.2	0.4	0.4	6	7	5.6	5.6
<b>VII HEPATIC TUMOURS</b>	18	38	15	21	34	92	126	2.2	100.0	2.0	100.0	7.6	3.8	1.1	1.5	2.1	2.6	2.5	36	47	60.3	4.0
a. Hepatoblastoma	12	26	5	3	5	46	51	1.1	50.0	0.8	40.5	5.1	2.6	0.4	0.2	0.3	1.4	1.1	18	20	100.0	0.0
b. Hepatic carcinoma	0	2	2	7	13	11	24	0.3	12.0	0.4	19.0	-	0.2	0.2	0.5	0.8	0.3	0.4	4	8	100.0	0.0
c. Unspecified	6	10	8	11	16	35	51	0.8	38.0	0.8	40.5	2.5	1.0	0.6	0.8	1.0	0.9	0.9	13	18	2.0	9.8
<b>VIII BONE TUMOURS</b>	1	13	42	137	154	193	347	4.5	100.0	5.6	100.0	0.4	1.3	3.2	9.8	9.5	4.3	5.5	70	118	88.2	3.7
a. Osteosarcoma	0	4	30	99	106	133	239	3.1	68.9	3.9	68.9	-	0.4	2.3	7.1	6.6	2.9	3.7	48	81	100.0	0.0
b. Chondrosarcoma	0	0	1	5	9	6	15	0.1	3.1	0.2	4.3	-	-	0.1	0.4	0.6	0.1	0.2	2	5	100.0	0.0
c. Ewing & related	1	7	7	16	14	31	45	0.7	16.1	0.7	13.0	0.4	0.7	0.5	1.1	0.9	0.8	0.8	12	16	100.0	0.0
d. Other specified	0	1	0	1	4	2	6	0.0	1.0	0.1	1.7	-	0.1	-	0.1	0.2	0.1	0.1	1	2	100.0	0.0
e. Unspecified	0	1	4	16	21	21	42	0.5	10.9	0.7	12.1	-	0.1	0.3	1.1	1.3	0.5	0.6	8	14	2.4	31.0
<b>IX SOFT TISSUE SARCOMA</b>	16	61	42	75	116	194	310	4.6	100.0	5.0	100.0	6.8	6.2	3.2	5.4	7.2	5.0	5.5	74	110	100.0	0.0
a. Rhabdomyosarcoma	6	44	20	22	23	92	115	2.2	47.4	1.9	37.1	2.5	4.4	1.5	1.6	1.4	2.5	2.3	36	43	100.0	0.0
b. Fibrosarcoma	3	4	3	12	10	22	32	0.5	11.3	0.5	10.3	1.3	0.4	0.2	0.9	0.6	0.5	0.6	8	11	100.0	0.0
c. Kaposi sarcoma	0	0	1	0	3	1	4	0.0	0.5	0.1	1.3	-	-	0.1	-	0.2	0.0	0.1	0	1	100.0	0.0
d. Other specified	7	9	13	28	62	57	119	1.3	29.4	1.9	38.4	3.0	0.9	1.0	2.0	3.8	1.4	1.9	21	41	100.0	0.0
e. Unspecified	0	4	5	13	18	22	40	0.5	11.3	0.6	12.9	-	0.4	0.4	0.9	1.1	0.5	0.7	8	14	100.0	0.0
<b>X GERM CELL TUMOURS</b>	10	56	42	138	233	246	479	5.8	100.0	7.8	100.0	4.2	5.7	3.2	9.9	14.4	6.0	7.9	92	164	93.1	0.2
a. CNS germ cell	0	4	12	41	30	57	87	1.3	23.2	1.4	18.2	-	0.4	0.9	2.9	1.9	1.3	1.4	21	30	100.0	0.0
b. Other extragonadal	6	18	1	19	45	44	89	1.0	17.9	1.4	18.6	2.5	1.8	0.1	1.4	2.8	1.2	1.5	17	31	97.8	0.0
c. Gonadal germ cell	4	30	26	62	101	122	223	2.9	49.6	3.6	46.6	1.7	3.0	2.0	4.4	6.3	3.0	3.7	46	77	100.0	0.0
d. Gonadal carcinoma	0	0	1	9	35	10	45	0.2	4.1	0.7	9.4	-	-	0.1	0.6	2.2	0.2	0.7	4	14	100.0	0.0
e. Unspecified gonadal	0	4	2	7	22	13	35	0.3	5.3	0.6	7.3	-	0.4	0.2	0.5	1.4	0.3	0.6	5	12	11.4	2.9
<b>XI CARCINOMA &amp; MELANOMA</b>	12	51	45	142	390	250	640	5.9	100.0	10.4	100.0	5.1	5.2	3.4	10.2	24.1	6.0	10.1	93	214	100.0	0.0
a. Adrenocortical	0	6	0	0	1	6	7	0.1	2.4	0.1	1.1	-	0.6	-	-	0.1	0.2	0.2	2	3	100.0	0.0
b. Thyroid	2	4	12	56	144	74	218	1.7	29.6	3.5	34.1	0.8	0.4	0.9	4.0	8.9	1.6	3.3	27	72	100.0	0.0
c. Nasopharyngeal	0	3	3	26	63	32	95	0.8	12.8	1.5	14.8	-	0.3	0.2	1.9	3.9	0.7	1.4	12	31	100.0	0.0
d. Melanoma	1	1	6	7	6	15	21	0.4	6.0	0.3	3.3	0.4	0.1	0.5	0.5	0.4	0.4	0.4	6	7	100.0	0.0
e. Skin carcinoma	0	2	4	7	19	13	32	0.3	5.2	0.5	5.0	-	0.2	0.3	0.5	1.2	0.3	0.5	5	11	100.0	0.0
f. Other & unspecified	9	35	20	46	157	110	267	2.6	44.0	4.3	41.7	3.8	3.5	1.5	3.3	9.7	2.8	4.4	42	90	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	18	82	33	58	140	191	331	4.5	100.0	5.4	100.0	7.6	8.3	2.5	4.1	8.7	5.2	5.9	74	117	7.9	24.5
a. Other specified	1	0	1	3	5	5	10	0.1	2.6	0.2	3.0	0.4	-	0.1	0.2	0.3	0.1	0.2	2	3	100.0	0.0
b. Other unspecified	17	82	32	55	135	186	321	4.4	97.4	5.2	97.0	7.2	8.3	2.4	3.9	8.4	5.0	5.8	72	114	5.0	25.2
<b>TOTAL</b>	253	1504	1124	1379	1895	4260	6155	100.0	100.0	100.0	100.0	106.9	152.0	84.6	98.6	117.3	111.4	112.7	1632	2219	89.2	2.3

† includes 40 non-malignant

Please consult the quality indicators for the constituent registries

## THAILAND, 6 registries (1993-2013)

	Males										M/F ratio		Females											
	Number of cases in age groups										0-14	0-19	Number of cases in age groups										0-14	0-19
	0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19			0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19		
<b>I LEUKAEMIA</b>	55	369	295	249	220	968	1188	50.1	45.0	1.4	1.4	40	298	189	173	167	700	867	38.7	34.6				
a. Lymphoid	19	239	198	134	84	590	674	30.7	26.1	1.4	1.4	17	186	131	83	49	417	466	23.2	19.4				
b. Acute myeloid	16	52	42	47	54	157	211	8.1	7.8	1.4	1.2	9	45	22	37	62	113	175	6.2	6.5				
c. CMD	1	6	13	13	22	33	55	1.6	1.8	1.3	1.4	2	7	2	14	13	25	38	1.3	1.3				
d. MDS & other	2	2	0	2	2	6	8	0.3	0.3	2.0	1.0	0	3	0	0	5	3	8	0.2	0.3				
e. Unspecified	17	70	42	53	58	182	240	9.5	9.0	1.3	1.3	12	57	34	39	38	142	180	7.8	7.1				
<b>II LYMPHOMA &amp; RELATED</b>	4	65	96	99	172	264	436	12.8	14.8	1.8	1.7	5	32	42	70	101	149	250	7.5	8.6				
a. Hodgkin	0	9	23	27	41	59	100	2.7	3.3	2.4	2.3	0	3	7	15	18	25	43	1.2	1.4				
b. Non-Hodgkin except BL	2	16	42	52	88	112	200	5.2	6.5	1.5	1.5	0	15	21	37	61	73	134	3.6	4.5				
c. Burkitt (BL)	1	13	10	4	6	28	34	1.5	1.3	4.7	4.9	0	2	4	0	1	6	7	0.3	0.3				
d. Lymphoreticular	1	10	4	2	2	17	19	0.9	0.8	1.2	1.3	5	5	1	3	1	14	15	0.8	0.7				
e. Unspecified	0	17	17	14	35	48	83	2.4	2.9	1.5	1.6	0	7	9	15	20	31	51	1.5	1.7				
<b>III CNS NEOPLASMS †</b>	17	84	128	112	85	341	426	16.8	15.4	1.3	1.3	6	74	100	85	63	265	328	13.8	12.4				
a. Ependymoma	1	6	5	8	3	20	23	1.0	0.9	1.1	1.1	3	7	4	4	3	18	21	1.0	0.9				
b. Astrocytoma	4	28	34	43	42	109	151	5.3	5.3	1.3	1.3	1	21	32	31	29	85	114	4.3	4.2				
c. CNS embryonal	7	25	41	18	7	91	98	4.6	3.8	1.4	1.4	0	26	21	17	7	64	71	3.5	2.9				
d. Other gliomas	0	5	9	12	5	26	31	1.2	1.1	1.4	1.3	1	2	11	4	5	18	23	0.9	0.8				
e. Other specified	0	1	4	1	4	6	10	0.3	0.3	0.5	0.7	0	2	3	6	4	11	15	0.5	0.5				
f. Unspecified CNS	5	19	35	30	24	89	113	4.3	4.0	1.3	1.3	1	16	29	23	15	69	84	3.5	3.1				
<b>IV NEUROBLASTOMA</b>	7	57	11	5	2	80	82	4.6	3.7	1.0	1.0	9	48	18	4	4	79	83	4.8	3.8				
a. (Ganglioneuroblastoma	7	57	10	4	1	78	79	4.6	3.6	1.0	1.0	8	48	18	4	4	78	82	4.7	3.8				
b. Peripheral nervous	0	0	1	1	1	2	3	0.1	0.1	2.0	3.0	1	0	0	0	0	1	1	0.1	0.1				
<b>V RETINOBLASTOMA</b>	11	50	4	0	0	65	65	3.9	3.0	1.0	1.0	7	54	5	2	0	68	68	4.3	3.3				
<b>VI RENAL TUMOURS</b>	9	38	7	2	1	56	57	3.3	2.6	0.9	0.8	8	34	10	7	13	59	72	3.5	3.1				
a. Nephroblastoma	7	34	4	1	0	46	46	2.7	2.1	1.0	1.0	8	29	7	1	1	45	46	2.8	2.2				
b. Renal carcinoma	0	0	0	0	1	0	1	-	0.0	0.0	0.1	0	1	3	6	8	10	18	0.5	0.6				
c. Unspecified	2	4	3	1	0	10	10	0.6	0.4	2.5	1.3	0	4	0	0	4	4	8	0.3	0.3				
<b>VII HEPATIC TUMOURS</b>	10	24	11	15	20	60	80	3.2	3.1	1.9	1.7	8	14	4	6	14	32	46	1.9	1.8				
a. Hepatoblastoma	6	18	3	1	2	28	30	1.7	1.3	1.6	1.4	6	8	2	2	3	18	21	1.1	0.9				
b. Hepatic carcinoma	0	0	2	5	6	7	13	0.3	0.4	1.8	1.2	0	2	0	2	7	4	11	0.2	0.4				
c. Unspecified	4	6	6	9	12	25	37	1.3	1.3	2.5	2.6	2	4	2	2	4	10	14	0.6	0.6				
<b>VIII BONE TUMOURS</b>	0	6	25	68	96	99	195	4.3	6.0	1.1	1.3	1	7	17	69	58	94	152	4.3	4.9				
a. Osteosarcoma	0	2	16	46	68	64	132	2.8	4.0	0.9	1.2	0	2	14	53	38	69	107	3.1	3.4				
b. Chondrosarcoma	0	0	1	3	5	4	9	0.2	0.3	2.0	1.5	0	0	0	2	4	2	6	0.1	0.2				
c. Ewing & related	0	3	4	10	8	17	25	0.8	0.8	1.2	1.3	1	4	3	6	6	14	20	0.7	0.7				
d. Other specified	0	1	0	1	3	2	5	0.1	0.2	-	5.0	0	0	0	0	1	0	1	-	0.0				
e. Unspecified	0	0	4	8	12	12	24	0.5	0.7	1.3	1.3	0	1	0	8	9	9	18	0.4	0.6				
<b>IX SOFT TISSUE SARCOMA</b>	8	39	21	37	48	105	153	5.4	5.5	1.2	1.0	8	22	21	38	68	89	157	4.6	5.4				
a. Rhabdomyosarcoma	3	28	12	11	10	54	64	2.9	2.5	1.4	1.3	3	16	8	11	13	38	51	2.1	2.0				
b. Fibrosarcoma	3	2	2	4	3	11	14	0.6	0.5	1.0	0.8	0	2	1	8	7	11	18	0.5	0.6				
c. Kaposi sarcoma	0	0	0	0	3	0	3	-	0.1	0.0	3.0	0	0	1	0	0	1	1	0.0	0.0				
d. Other specified	2	6	7	17	21	32	53	1.5	1.8	1.3	0.8	5	3	6	11	41	25	66	1.3	2.1				
e. Unspecified	0	3	0	5	11	8	19	0.4	0.6	0.6	0.9	0	1	5	8	7	14	21	0.7	0.7				
<b>X GERM CELL TUMOURS</b>	5	33	12	60	84	110	194	5.3	6.5	0.8	0.7	5	23	30	78	149	136	285	6.6	9.2				
a. CNS germ cell	0	2	8	32	25	42	67	1.8	2.1	2.8	3.4	0	2	4	9	5	15	20	0.7	0.7				
b. Other extragonadal	1	6	1	17	24	25	49	1.2	1.6	1.3	1.2	5	12	0	2	21	19	40	1.2	1.5				
c. Gonadal germ cell	4	24	3	11	30	42	72	2.3	2.6	0.5	0.5	0	6	23	51	71	80	151	3.7	4.8				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.0	0.0	0.0	0	0	1	9	34	10	44	0.4	1.3				
e. Unspecified gonadal	0	1	0	0	4	1	5	0.1	0.2	0.1	0.2	0	3	2	7	18	12	30	0.6	1.0				
<b>XI CARCINOMA &amp; MELANOMA</b>	5	27	22	73	154	127	281	6.0	9.0	1.0	0.8	7	24	23	69	236	123	359	6.1	11.2				
a. Adrenocortical	0	3	0	0	0	3	3	0.2	0.1	1.0	0.8	0	3	0	0	1	3	4	0.2	0.2				
b. Thyroid	1	4	4	17	18	26	44	1.2	1.4	0.5	0.3	1	0	8	39	126	48	174	2.1	5.1				
c. Nasopharyngeal	0	2	2	22	42	26	68	1.1	2.0	4.3	2.5	0	1	1	4	21	6	27	0.3	0.8				
d. Melanoma	0	0	5	2	2	7	9	0.3	0.3	0.9	0.8	1	1	1	5	4	8	12	0.4	0.4				
e. Skin carcinoma	0	1	1	2	10	4	14	0.2	0.4	0.4	0.8	0	1	3	5	9	9	18	0.4	0.6				
f. Other & unspecified	4	17	10	30	82	61	143	3.0	4.6	1.2	1.2	5	18	10	16	75	49	124	2.7	4.1				
<b>XII OTHER &amp; UNSPECIFIED</b>	13	46	20	32	68	111	179	5.9	6.5	1.4	1.2	5	36	13	26	72	80	152	4.4	5.4				
a. Other specified	1	0	1	2	1	4	5	0.2	0.2	4.0	1.0	0	0	0	1	4	1	5	0.0	0.1				
b. Other unspecified	12	46	19	30	67	107	174	5.7	6.3	1.4	1.2	5	36	13	25	68	79	147	4.4	5.3				
<b>TOTAL</b>	144	838	652	752	950	2386	3336	121.7	121.0	1.3	1.2	109	666	472	627	945	1874	2819	100.5	104.0				

† includes 23 non-malignant in males and 17 non-malignant in females

Please consult the quality indicators for the constituent registries

## THAILAND, 6 registries (1993-2013)

	Age group	Males	Females
Person-years	0	1 218 491	1 148 230
	1-4	5 091 907	4 805 321
	5-9	6 818 068	6 471 865
	10-14	7 130 705	6 856 304
	15-19	8 012 868	8 142 992
Total	0-14	20 259 171	19 281 720
	0-19	28 272 039	27 424 712
Average annual population	0-14	964 722	918 177
	0-19	1 346 288	1 305 939

Please consult the quality indicators for the constituent registries

## THAILAND, 6 registries (1993-2013)

Registry	Period	Cases	%	Person-years	%
Bangkok	2001-2012	2125	34.5	19 240 055	34.5
Chiang Mai	1993-2012	958	15.6	8 110 218	14.6
Chonburi	1998-2012	694	11.3	5 057 515	9.1
Khon Kaen	1993-2012	994	16.1	10 410 137	18.7
Lampang	1993-2013	492	8.0	4 101 229	7.4
Songkhla	1994-2013	892	14.5	8 777 597	15.8
<b>THAILAND</b>	<b>1993-2013</b>	<b>6155</b>	<b>100.0</b>	<b>55 696 751</b>	<b>100.0</b>

Please consult the quality indicators for the constituent registries

International Incidence of Childhood Cancer Volume III <http://iicc.iarc.fr/results>