

THAILAND, Songkhla (1994-2013)

	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	0-19
I LEUKAEMIA	19	108	70	54	57	251	308	41.2	100.0	34.5	100.0	45.6	67.8	32.4	24.2	24.1	41.9	37.9	599	719	95.5	3.9	
a. Lymphoid	8	75	48	22	15	153	168	25.1	61.0	18.8	54.5	19.2	47.0	22.2	9.8	6.3	26.0	21.6	367	398	100.0	0.0	
b. Acute myeloid	6	17	8	15	24	46	70	7.6	18.3	7.8	22.7	14.4	10.7	3.7	6.7	10.1	7.6	8.1	109	160	100.0	0.0	
c. CMD	0	2	4	3	11	9	20	1.5	3.6	2.2	6.5	-	1.3	1.9	1.3	4.6	1.4	2.1	21	44	100.0	0.0	
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	5	14	10	14	7	43	50	7.1	17.1	5.6	16.2	12.0	8.8	4.6	6.3	3.0	7.0	6.1	102	116	72.0	24.0	
II LYMPHOMA & RELATED	1	10	22	25	43	58	101	9.5	100.0	11.3	100.0	2.4	6.3	10.2	11.2	18.1	8.6	10.8	134	225	100.0	0.0	
a. Hodgkin	0	0	6	10	17	16	33	2.6	27.6	3.7	32.7	-	-	2.8	4.5	7.2	2.2	3.3	36	72	100.0	0.0	
b. Non-Hodgkin except BL	1	6	12	14	21	33	54	5.4	56.9	6.1	53.5	2.4	3.8	5.6	6.3	8.9	5.0	5.8	76	121	100.0	0.0	
c. Burkitt (BL)	0	0	2	0	0	2	2	0.3	3.4	0.2	2.0	-	-	0.9	-	-	0.3	0.2	5	5	100.0	0.0	
d. Lymphoreticular	0	2	2	0	2	4	6	0.7	6.9	0.7	5.9	-	1.3	0.9	-	0.8	0.7	0.7	10	14	100.0	0.0	
e. Unspecified	0	2	0	1	3	3	6	0.5	5.2	0.7	5.9	-	1.3	-	0.4	1.3	0.5	0.7	7	14	100.0	0.0	
III CNS NEOPLASMS †	6	23	35	21	24	85	109	14.0	100.0	12.2	100.0	14.4	14.4	16.2	9.4	10.1	13.5	12.8	200	251	69.7	3.7	
a. Ependymoma	1	3	0	2	0	6	6	1.0	7.1	0.7	5.5	2.4	1.9	-	0.9	-	1.0	0.8	14	14	100.0	0.0	
b. Astrocytoma	0	8	10	6	12	24	36	3.9	28.2	4.0	33.0	-	5.0	4.6	2.7	5.1	3.8	4.1	56	82	100.0	0.0	
c. CNS embryonal	2	8	15	4	1	29	30	4.8	34.1	3.4	27.5	4.8	5.0	6.9	1.8	0.4	4.7	3.7	69	71	100.0	0.0	
d. Other gliomas	0	1	2	0	1	3	4	0.5	3.5	0.4	3.7	-	0.6	0.9	-	0.4	0.5	0.5	7	9	100.0	0.0	
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Unspecified CNS	3	3	8	9	10	23	33	3.8	27.1	3.7	30.3	7.2	1.9	3.7	4.0	4.2	3.5	3.7	54	75	0.0	12.1	
IV NEUROBLASTOMA	7	11	3	0	2	21	23	3.4	100.0	2.6	100.0	16.8	6.9	1.4	-	0.8	3.9	3.2	52	56	100.0	0.0	
a. (Ganglio)neuroblastoma	6	11	3	0	2	20	22	3.3	95.2	2.5	95.7	14.4	6.9	1.4	-	0.8	3.7	3.1	49	53	100.0	0.0	
b. Peripheral nervous	1	0	0	0	0	1	1	0.2	4.8	0.1	4.3	2.4	-	-	-	-	0.2	0.1	2	2	100.0	0.0	
V RETINOBLASTOMA	7	20	1	0	0	28	28	4.6	100.0	3.1	100.0	16.8	12.5	0.5	-	-	5.3	4.1	69	69	100.0	0.0	
VI RENAL TUMOURS	4	11	2	0	1	17	18	2.8	100.0	2.0	100.0	9.6	6.9	0.9	-	0.4	3.2	2.6	42	44	88.9	0.0	
a. Nephroblastoma	4	9	2	0	0	15	15	2.5	88.2	1.7	83.3	9.6	5.6	0.9	-	-	2.8	2.2	37	37	100.0	0.0	
b. Renal carcinoma	0	1	0	0	0	1	1	0.2	5.9	0.1	5.6	-	0.6	-	-	-	0.2	0.1	2	2	100.0	0.0	
c. Unspecified	0	1	0	0	1	2	2	0.2	5.9	0.2	11.1	-	0.6	-	-	0.4	0.2	0.2	2	5	0.0	0.0	
VII HEPATIC TUMOURS	3	5	1	1	1	10	11	1.6	100.0	1.2	100.0	7.2	3.1	0.5	0.4	0.4	1.8	1.5	24	27	63.6	0.0	
a. Hepatoblastoma	2	4	1	0	0	7	7	1.1	70.0	0.8	63.6	4.8	2.5	0.5	-	-	1.3	1.0	17	17	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Unspecified	1	1	0	1	1	3	4	0.5	30.0	0.4	36.4	2.4	0.6	-	0.4	0.4	0.5	0.5	7	9	0.0	0.0	
VIII BONE TUMOURS	0	4	10	23	19	37	56	6.1	100.0	6.3	100.0	-	2.5	4.6	10.3	8.0	5.2	5.9	85	125	80.4	3.6	
a. Osteosarcoma	0	0	4	15	9	19	28	3.1	51.4	3.1	50.0	-	-	1.9	6.7	3.8	2.5	2.8	43	62	100.0	0.0	
b. Chondrosarcoma	0	0	0	1	2	1	3	0.2	2.7	0.3	5.4	-	-	-	0.4	0.8	0.1	0.3	2	6	100.0	0.0	
c. Ewing & related	0	3	4	3	4	10	14	1.6	27.0	1.6	25.0	-	1.9	1.9	1.3	1.7	1.6	1.6	23	32	100.0	0.0	
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	1	2	4	4	7	11	1.1	18.9	1.2	19.6	-	0.6	0.9	1.8	1.7	1.0	1.2	16	24	0.0	18.2	
IX SOFT TISSUE SARCOMA	6	10	5	11	23	32	55	5.3	100.0	6.2	100.0	14.4	6.3	2.3	4.9	9.7	5.3	6.3	76	124	100.0	0.0	
a. Rhabdomyosarcoma	2	10	2	2	4	16	20	2.6	50.0	2.2	36.4	4.8	6.3	0.9	0.9	1.7	2.9	2.6	39	47	100.0	0.0	
b. Fibrosarcoma	1	0	1	3	4	5	9	0.8	15.6	1.0	16.4	2.4	-	0.5	1.3	1.7	0.7	0.9	12	20	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	3	0	0	5	11	8	19	1.3	25.0	2.1	34.5	7.2	-	-	2.2	4.6	1.2	2.0	19	42	100.0	0.0	
e. Unspecified	0	0	2	1	4	3	7	0.5	9.4	0.8	12.7	-	-	0.9	0.4	1.7	0.4	0.7	7	15	100.0	0.0	
X GERM CELL TUMOURS	0	5	6	16	27	27	54	4.4	100.0	6.1	100.0	-	3.1	2.8	7.2	11.4	3.9	5.6	62	119	94.4	0.0	
a. CNS germ cell	0	0	1	6	5	7	12	1.1	25.9	1.3	22.2	-	-	0.5	2.7	2.1	0.9	1.2	16	26	100.0	0.0	
b. Other extragonadal	0	2	0	1	7	3	10	0.5	11.1	1.1	18.5	-	1.3	-	0.4	3.0	0.5	1.1	7	22	90.0	0.0	
c. Gonadal germ cell	0	3	4	7	11	14	25	2.3	51.9	2.8	46.3	-	1.9	1.9	3.1	4.6	2.1	2.7	32	56	100.0	0.0	
d. Gonadal carcinoma	0	0	0	1	3	1	4	0.2	3.7	0.4	7.4	-	-	-	0.4	1.3	0.1	0.4	2	9	100.0	0.0	
e. Unspecified gonadal	0	0	1	1	1	2	3	0.3	7.4	0.3	5.6	-	-	0.5	0.4	0.4	0.3	0.3	5	7	33.3	0.0	
XI CARCINOMA & MELANOMA	1	1	3	25	72	30	102	4.9	100.0	11.4	100.0	2.4	0.6	1.4	11.2	30.4	4.1	10.0	68	220	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	0	1	19	36	20	56	3.3	66.7	6.3	54.9	-	-	0.5	8.5	15.2	2.6	5.4	45	121	100.0	0.0	
c. Nasopharyngeal	0	0	0	2	14	2	16	0.3	6.7	1.8	15.7	-	-	-	0.9	5.9	0.3	1.5	4	34	100.0	0.0	
d. Melanoma	1	0	0	2	0	3	3	0.5	10.0	0.3	2.9	2.4	-	-	0.9	-	0.5	0.4	7	7	100.0	0.0	
e. Skin carcinoma	0	0	1	0	3	1	4	0.2	3.3	0.4	3.9	-	-	0.5	-	1.3	0.1	0.4	2	9	100.0	0.0	
f. Other & unspecified	0	1	1	2	19	4	23	0.7	13.3	2.6	22.5	-	0.6	0.5	0.9	8.0	0.6	2.3	9	49	100.0	0.0	
XII OTHER & UNSPECIFIED	2	6	3	2	14	13	27	2.1	100.0	3.0	100.0	4.8	3.8	1.4	0.9	5.9	2.2	3.1	31	61	14.8	14.8	
a. Other specified	0	0	0	0	2	0	2	-	-	0.2	7.4	-	-	-	-	0.8	-	0.2	-	4	4	100.0	0.0
b. Other unspecified	2	6	3	2	12	13	25	2.1	100.0	2.8	92.6	4.8	3.8	1.4	0.9	5.1	2.2	2.9	31	57	8.0	16.0	
TOTAL	56	214	161	178	283	609	892	100.0	100.0	100.0	100.0	134.5	134.2	74.5	79.6	119.4	99.1	103.7	1442	2039	89.9	2.5	

† includes 5 non-malignant

Please consult the quality indicators for this registry

THAILAND, Songkhla (1994-2013)

	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		
I LEUKAEMIA	7	54	39	33	34	133	167	42.5	39.4	1.1	1.2	12	54	31	21	23	118	141	41.3	36.4				
a. Lymphoid	2	39	27	16	9	84	93	27.2	22.8	1.2	1.2	6	36	21	6	6	69	75	24.7	20.3				
b. Acute myeloid	2	6	4	10	15	22	37	6.7	8.1	0.9	1.1	4	11	4	5	9	24	33	8.5	8.3				
c. CMD	0	2	3	1	7	6	13	1.9	2.8	2.0	1.9	0	0	1	2	4	3	7	0.8	1.4				
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	3	7	5	6	3	21	24	6.7	5.8	1.0	0.9	2	7	5	8	4	22	26	7.2	6.4				
II LYMPHOMA & RELATED	1	6	15	18	29	40	69	11.6	14.5	2.2	2.2	0	4	7	7	14	18	32	5.6	7.0				
a. Hodgkin	0	0	5	9	12	14	26	3.7	5.2	7.0	3.7	0	0	1	1	5	2	7	0.6	1.4				
b. Non-Hodgkin except BL	1	3	7	8	16	19	35	5.6	7.4	1.4	1.8	0	3	5	6	5	14	19	4.3	4.3				
c. Burkitt (BL)	0	0	2	0	0	2	2	0.6	0.5	-	-	0	0	0	0	0	0	0	-	-				
d. Lymphoreticular	0	1	1	0	1	2	3	0.7	0.7	1.0	1.0	0	1	1	0	1	2	3	0.7	0.7				
e. Unspecified	0	2	0	1	0	3	3	1.0	0.8	-	1.0	0	0	0	0	3	0	3	-	0.6				
III CNS NEOPLASMS †	4	7	22	8	14	41	55	12.5	12.4	0.9	1.0	2	16	13	13	10	44	54	14.6	13.2				
a. Ependymoma	0	1	0	1	0	2	2	0.6	0.5	0.5	0.5	1	2	0	1	0	4	4	1.5	1.1				
b. Astrocytoma	0	3	4	1	6	8	14	2.5	3.1	0.5	0.6	0	5	6	5	6	16	22	5.2	5.1				
c. CNS embryonal	2	3	12	2	0	19	19	5.9	4.5	1.9	1.7	0	5	3	2	1	10	11	3.4	2.9				
d. Other gliomas	0	0	1	0	0	1	1	0.3	0.2	0.5	0.3	0	1	1	0	1	2	3	0.7	0.7				
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
f. Unspecified CNS	2	0	5	4	8	11	19	3.2	4.0	0.9	1.4	1	3	3	5	2	12	14	3.8	3.3				
IV NEUROBLASTOMA	3	7	1	0	1	11	12	4.0	3.3	1.1	1.1	4	4	2	0	1	10	11	3.8	3.1				
a. (Ganglioneuroblastoma	3	7	1	0	1	11	12	4.0	3.3	1.2	1.2	3	4	2	0	1	9	10	3.4	2.8				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	0.4	0.3				
V RETINOBLASTOMA	4	11	1	0	0	16	16	5.9	4.6	1.3	1.3	3	9	0	0	0	12	12	4.8	3.7				
VI RENAL TUMOURS	2	5	1	0	0	8	8	2.9	2.2	0.9	0.8	2	6	1	0	1	9	10	3.5	2.9				
a. Nephroblastoma	2	5	1	0	0	8	8	2.9	2.2	1.1	1.1	2	4	1	0	0	7	7	2.7	2.1				
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.4	0.3				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	1	2	0.4	0.5					
VII HEPATIC TUMOURS	2	3	1	0	0	6	6	2.2	1.7	1.5	1.2	1	2	0	1	1	4	5	1.5	1.3				
a. Hepatoblastoma	2	3	1	0	0	6	6	2.2	1.7	6.0	6.0	0	1	0	0	0	1	1	0.4	0.3				
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	1	1	0	1	1	3	4	1.1	1.0				
VIII BONE TUMOURS	0	1	5	14	12	20	32	5.4	6.5	1.2	1.3	0	3	5	9	7	17	24	5.1	5.3				
a. Osteosarcoma	0	0	2	10	4	12	16	3.1	3.2	1.7	1.3	0	0	2	5	5	7	12	1.9	2.4				
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.2	0.0	0.5	0	0	0	1	1	2	0.3	0.4					
c. Ewing & related	0	1	1	2	3	4	7	1.2	1.5	0.7	1.0	0	2	3	1	1	6	7	2.0	1.7				
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	0	2	2	4	4	8	1.1	1.6	1.3	2.7	0	1	0	2	0	3	3	0.9	0.7				
IX SOFT TISSUE SARCOMA	2	7	1	5	10	15	25	4.9	5.7	0.9	0.8	4	3	4	6	13	17	30	5.6	6.8				
a. Rhabdomyosarcoma	1	7	1	1	1	10	11	3.5	2.9	1.7	1.2	1	3	1	1	3	6	9	2.2	2.2				
b. Fibrosarcoma	1	0	0	1	1	2	3	0.6	0.7	0.7	0.5	0	0	1	2	3	3	6	0.8	1.2				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	0	0	0	3	5	3	8	0.8	1.5	0.6	0.7	3	0	0	2	6	5	11	1.7	2.5				
e. Unspecified	0	0	0	0	3	0	3	-	0.6	0.0	0.8	0	0	2	1	1	3	4	0.9	0.9				
X GERM CELL TUMOURS	0	4	1	5	11	10	21	3.1	4.5	0.6	0.6	0	1	5	11	16	17	33	4.8	6.8				
a. CNS germ cell	0	0	1	4	3	5	8	1.3	1.6	2.5	2.0	0	0	0	2	2	2	4	0.5	0.8				
b. Other extragonadal	0	1	0	1	6	2	8	0.6	1.6	2.0	4.0	0	1	0	0	1	1	2	0.4	0.5				
c. Gonadal germ cell	0	3	0	0	2	3	5	1.1	1.2	0.3	0.3	0	0	4	7	9	11	20	3.1	4.1				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	3	1	4	0.3	0.8				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	1	1	2	3	0.6	0.6				
XI CARCINOMA & MELANOMA	0	1	1	8	26	10	36	2.7	7.1	0.5	0.5	1	0	2	17	46	20	66	5.5	13.0				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
b. Thyroid	0	0	0	4	6	4	10	1.0	1.9	0.3	0.2	0	0	1	15	30	16	46	4.3	9.0				
c. Nasopharyngeal	0	0	0	1	10	1	11	0.3	2.1	1.0	2.2	0	0	0	1	4	1	5	0.3	1.0				
d. Melanoma	0	0	0	1	0	1	1	0.3	0.2	0.5	0.5	1	0	0	1	0	2	2	0.7	0.5				
e. Skin carcinoma	0	0	1	0	1	1	2	0.3	0.4	-	1.0	0	0	0	0	2	0	2	-	0.4				
f. Other & unspecified	0	1	0	2	9	3	12	0.9	2.4	3.0	1.1	0	0	1	0	10	1	11	0.3	2.1				
XII OTHER & UNSPECIFIED	1	5	2	1	5	9	14	3.1	3.3	2.3	1.1	1	1	1	1	9	4	13	1.4	2.8				
a. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.4				
b. Other unspecified	1	5	2	1	5	9	14	3.1	3.3	2.3	1.3	1	1	1	1	7	4	11	1.4	2.4				
TOTAL	26	111	90	92	142	319	461	100.7	105.2	1.1	1.1	30	103	71	86	141	290	431	97.5	102.2				

† includes 2 non-malignant in males and 3 non-malignant in females

Please consult the quality indicators for this registry

THAILAND, Songkhla (1994-2013)

	Age group	Males	Females
Person-years	0	215 277	201 017
	1-4	822 358	771 711
	5-9	1 110 428	1 051 345
	10-14	1 137 702	1 097 950
	15-19	1 179 668	1 190 141
Total	0-14	3 285 765	3 122 023
	0-19	4 465 433	4 312 164
Average annual population	0-14	164 288	156 101
	0-19	223 272	215 608

Please consult the quality indicators for this registry