

TUNISIA, North (1994-2006)

	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
I LEUKAEMIA	5	127	142	132	122	406	528	25.5	100.0	22.4	100.0	5.0	30.9	25.6	21.8	19.7	24.6	23.5	366	465	100.0	0.0
a. Lymphoid	2	94	110	80	73	286	359	18.0	70.4	15.2	68.0	2.0	22.9	19.8	13.2	11.8	17.5	16.2	259	318	100.0	0.0
b. Acute myeloid	3	26	30	47	39	106	145	6.7	26.1	6.1	27.5	3.0	6.3	5.4	7.8	6.3	6.2	6.2	94	126	100.0	0.0
c. CMD	0	0	0	1	4	1	5	0.1	0.2	0.2	0.9	-	-	-	0.2	0.6	0.0	0.2	1	4	100.0	0.0
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	7	2	4	6	13	19	0.8	3.2	0.8	3.6	-	1.7	0.4	0.7	1.0	0.8	0.9	12	17	100.0	0.0
II LYMPHOMA & RELATED	2	52	123	115	198	292	490	18.4	100.0	20.7	100.0	2.0	12.6	22.1	19.0	32.0	16.7	20.2	258	418	100.0	0.0
a. Hodgkin	0	6	57	68	126	131	257	8.2	44.9	10.9	52.4	-	1.5	10.3	11.2	20.3	7.0	10.0	113	215	100.0	0.0
b. Non-Hodgkin except BL	0	9	30	30	56	69	125	4.3	23.6	5.3	25.5	-	2.2	5.4	5.0	9.0	3.9	5.0	61	106	100.0	0.0
c. Burkitt (BL)	0	1	7	1	0	9	9	0.6	3.1	0.4	1.8	-	0.2	1.3	0.2	-	0.5	0.4	8	8	100.0	0.0
d. Lymphoreticular	2	32	26	10	8	70	78	4.4	24.0	3.3	15.9	2.0	7.8	4.7	1.7	1.3	4.6	3.8	65	71	100.0	0.0
e. Unspecified	0	4	3	6	8	13	21	0.8	4.5	0.9	4.3	-	1.0	0.5	1.0	1.3	0.8	0.9	12	18	100.0	0.0
III CNS NEOPLASMS †	1	71	111	70	75	253	328	15.9	100.0	13.9	100.0	1.0	17.3	20.0	11.6	12.1	15.3	14.6	228	289	90.9	0.0
a. Ependymoma	0	8	8	7	7	23	30	1.4	9.1	1.3	9.1	-	1.9	1.4	1.2	1.1	1.4	1.3	21	26	100.0	0.0
b. Astrocytoma	1	28	44	34	43	107	150	6.7	42.3	6.4	45.7	1.0	6.8	7.9	5.6	6.9	6.4	6.5	96	131	100.0	0.0
c. CNS embryonal	0	19	31	17	8	67	75	4.2	26.5	3.2	22.9	-	4.6	5.6	2.8	1.3	4.1	3.4	61	67	100.0	0.0
d. Other gliomas	0	4	10	5	14	19	33	1.2	7.5	1.4	10.1	-	1.0	1.8	0.8	2.3	1.1	1.4	17	28	100.0	0.0
e. Other specified	0	2	0	2	0	4	4	0.3	1.6	0.2	1.2	-	0.5	-	0.3	-	0.2	0.2	4	4	100.0	0.0
f. Unspecified CNS	0	10	18	5	3	33	36	2.1	13.0	1.5	11.0	-	2.4	3.2	0.8	0.5	2.0	1.7	30	33	16.7	0.0
IV NEUROBLASTOMA	9	70	16	6	5	101	106	6.3	100.0	4.5	100.0	9.1	17.0	2.9	1.0	0.8	7.2	5.8	97	101	100.0	0.0
a. (Ganglio)neuroblastoma	9	69	15	3	3	96	99	6.0	95.0	4.2	93.4	9.1	16.8	2.7	0.5	0.5	6.9	5.5	92	95	100.0	0.0
b. Peripheral nervous	0	1	1	3	2	5	7	0.3	5.0	0.3	6.6	-	0.2	0.2	0.5	0.3	0.3	0.3	4	6	100.0	0.0
V RETINOBLASTOMA	5	35	7	0	0	47	47	3.0	100.0	2.0	100.0	5.0	8.5	1.3	-	-	3.4	2.7	46	46	100.0	0.0
VI RENAL TUMOURS	6	67	32	5	3	110	113	6.9	100.0	4.8	100.0	6.1	16.3	5.8	0.8	0.5	7.6	6.0	104	107	97.3	0.0
a. Nephroblastoma	6	64	30	3	0	103	103	6.5	93.6	4.4	91.2	6.1	15.6	5.4	0.5	-	7.2	5.6	98	98	100.0	0.0
b. Renal carcinoma	0	0	0	2	3	2	5	0.1	1.8	0.2	4.4	-	-	-	0.3	0.5	0.1	0.2	2	4	100.0	0.0
c. Unspecified	0	3	2	0	0	5	5	0.3	4.5	0.2	4.4	-	0.7	0.4	-	-	0.3	0.3	5	5	40.0	0.0
VII HEPATIC TUMOURS	1	5	4	7	3	17	20	1.1	100.0	0.8	100.0	1.0	1.2	0.7	1.2	0.5	1.0	0.9	15	18	90.0	0.0
a. Hepatoblastoma	0	5	4	1	0	10	10	0.6	58.8	0.4	50.0	-	1.2	0.7	0.2	-	0.7	0.5	9	9	100.0	0.0
b. Hepatic carcinoma	0	0	0	5	3	5	8	0.3	29.4	0.3	40.0	-	-	-	0.8	0.5	0.2	0.3	4	7	100.0	0.0
c. Unspecified	1	0	0	1	0	2	2	0.1	11.8	0.1	10.0	1.0	-	-	0.2	-	0.1	0.1	2	2	0.0	0.0
VIII BONE TUMOURS	0	5	29	78	93	112	205	7.0	100.0	8.7	100.0	-	1.2	5.2	12.9	15.0	5.8	7.9	95	170	100.0	0.0
a. Osteosarcoma	0	0	11	39	47	50	97	3.1	44.6	4.1	47.3	-	-	2.0	6.4	7.6	2.5	3.7	42	80	100.0	0.0
b. Chondrosarcoma	0	0	0	2	5	2	7	0.1	1.8	0.3	3.4	-	-	-	0.3	0.8	0.1	0.3	2	6	100.0	0.0
c. Ewing & related	0	5	18	34	38	57	95	3.6	50.9	4.0	46.3	-	1.2	3.2	5.6	6.1	3.1	3.7	49	80	100.0	0.0
d. Other specified	0	0	0	3	2	3	5	0.2	2.7	0.2	2.4	-	-	-	0.5	0.3	0.1	0.2	2	4	100.0	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.5	-	-	-	-	0.2	-	0.0	-	1	100.0	0.0
IX SOFT TISSUE SARCOMA	3	28	13	31	61	75	136	4.7	100.0	5.8	100.0	3.0	6.8	2.3	5.1	9.9	4.6	5.8	68	117	100.0	0.0
a. Rhabdomyosarcoma	3	24	8	12	18	47	65	3.0	62.7	2.8	47.8	3.0	5.8	1.4	2.0	2.9	3.1	3.0	44	58	100.0	0.0
b. Fibrosarcoma	0	0	0	4	14	4	18	0.3	5.3	0.8	13.2	-	-	-	0.7	2.3	0.2	0.7	3	15	100.0	0.0
c. Kaposi sarcoma	0	0	1	1	0	2	2	0.1	2.7	0.1	1.5	-	-	0.2	0.2	-	0.1	0.1	2	2	100.0	0.0
d. Other specified	0	3	4	10	22	17	39	1.1	22.7	1.7	28.7	-	0.7	0.7	1.7	3.6	0.9	1.5	15	33	100.0	0.0
e. Unspecified	0	1	0	4	7	5	12	0.3	6.7	0.5	8.8	-	0.2	-	0.7	1.1	0.3	0.5	4	10	100.0	0.0
X GERM CELL TUMOURS	3	4	4	17	29	28	57	1.8	100.0	2.4	100.0	3.0	1.0	0.7	2.8	4.7	1.6	2.3	24	48	96.5	0.0
a. CNS germ cell	0	0	1	1	1	2	3	0.1	7.1	0.1	5.3	-	-	0.2	0.2	0.2	0.1	0.1	2	3	100.0	0.0
b. Other extragonadal	1	2	0	0	3	3	6	0.2	10.7	0.3	10.5	1.0	0.5	-	-	0.5	0.2	0.3	3	5	100.0	0.0
c. Gonadal germ cell	2	1	2	15	20	20	40	1.3	71.4	1.7	70.2	2.0	0.2	0.4	2.5	3.2	1.1	1.6	17	33	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	-	0.1	5.3	-	-	-	-	0.5	-	0.1	-	2	100.0	0.0
e. Unspecified gonadal	0	1	1	1	2	3	5	0.2	10.7	0.2	8.8	-	0.2	0.2	0.2	0.3	0.2	0.2	3	4	60.0	0.0
XI CARCINOMA & MELANOMA	0	5	24	84	172	113	285	7.1	100.0	12.1	100.0	-	1.2	4.3	13.9	27.8	5.8	10.7	96	235	100.0	0.0
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Thyroid	0	1	3	14	43	18	61	1.1	15.9	2.6	21.4	-	0.2	0.5	2.3	6.9	0.9	2.3	15	50	100.0	0.0
c. Nasopharyngeal	0	0	4	46	72	50	122	3.1	44.2	5.2	42.8	-	-	0.7	7.6	11.6	2.4	4.5	42	100	100.0	0.0
d. Melanoma	0	0	0	5	2	5	7	0.3	4.4	0.3	2.5	-	-	-	0.8	0.3	0.2	0.3	4	6	100.0	0.0
e. Skin carcinoma	0	4	12	15	28	43	78	1.8	24.8	1.8	15.1	-	1.0	2.2	2.0	2.4	1.6	1.8	25	37	100.0	0.0
f. Other & unspecified	0	0	5	7	40	12	52	0.8	10.6	2.2	18.2	-	-	0.9	1.2	6.5	0.6	1.9	10	43	100.0	0.0
XII OTHER & UNSPECIFIED	4	14	5	14	10	37	47	2.3	100.0	2.0	100.0	4.0	3.4	0.9	2.3	1.6	2.3	2.2	34	42	44.7	0.0
a. Other specified	0	2	0	1	2	3	5	0.2	8.1	0.2	10.6	-	0.5	-	0.2	0.3	0.2	0.2	3	4	100.0	0.0
b. Other unspecified	4	12	5	13	8	34	42	2.1	91.9	1.8	89.4	4.0	2.9	0.9	2.1	1.3	2.1	1.9	31	37	38.1	0.0
TOTAL	39	483	510	559	771	1591	2362	100.0	100.0	100.0	100.0	39.4	117.5	91.8	92.3	124.5	96.0	102.4	1432	2054	97.3	0.0

† includes 31 non-malignant

Please consult the quality indicators for this registry

TUNISIA, North (1994-2006)

	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	3	67	86	81	75	237	312	27.6	26.8	1.4	1.4	2	60	56	51	47	169	216	21.4	20.0		
a. Lymphoid	1	50	63	51	52	165	217	19.4	18.8	1.4	1.5	1	44	47	29	21	121	142	15.5	13.6		
b. Acute myeloid	2	13	21	27	18	63	81	7.1	6.8	1.5	1.3	1	13	9	20	21	43	64	5.2	5.6		
c. CMD	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	0	1	3	1	4	0.1	0.3		
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	4	2	3	4	9	13	1.1	1.1	2.3	2.2	0	3	0	1	2	4	6	0.6	0.6		
II LYMPHOMA & RELATED	2	34	89	79	109	204	313	22.8	25.4	2.3	1.8	0	18	34	36	89	88	177	10.4	14.7		
a. Hodgkin	0	6	43	43	62	92	154	9.8	12.0	2.4	1.5	0	0	14	25	64	39	103	4.1	8.0		
b. Non-Hodgkin except BL	0	4	23	23	37	50	87	5.3	6.8	2.6	2.3	0	5	7	7	19	19	38	2.3	3.2		
c. Burkitt (BL)	0	1	4	1	0	6	6	0.7	0.5	2.0	2.0	0	0	3	0	0	3	3	0.4	0.3		
d. Lymphoreticular	2	20	17	8	5	47	52	5.9	4.9	2.0	2.0	0	12	9	2	3	23	26	3.1	2.7		
e. Unspecified	0	3	2	4	5	9	14	1.0	1.2	2.3	2.0	0	1	1	2	3	4	7	0.5	0.6		
III CNS NEOPLASMS †	0	40	71	35	37	146	183	17.2	16.0	1.4	1.3	1	31	40	35	38	107	145	13.2	13.1		
a. Ependymoma	0	5	7	4	3	16	19	1.9	1.7	2.3	1.7	0	3	1	3	4	7	11	0.9	1.0		
b. Astrocytoma	0	17	27	16	23	60	83	7.1	7.1	1.3	1.2	1	11	17	18	20	47	67	5.7	5.9		
c. CNS embryonal	0	9	22	10	4	41	45	4.8	4.0	1.6	1.5	0	10	9	7	4	26	30	3.3	2.9		
d. Other gliomas	0	3	8	1	5	12	17	1.4	1.5	1.7	1.1	0	1	2	4	9	7	16	0.8	1.3		
e. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	2	0	2	0	4	4	0.5	0.4		
f. Unspecified CNS	0	6	7	4	2	17	19	2.1	1.7	1.1	1.1	0	4	11	1	1	16	17	2.0	1.7		
IV NEUROBLASTOMA	4	43	9	1	3	57	60	8.1	6.5	1.3	1.3	5	27	7	5	2	44	46	6.3	5.0		
a. (Ganglio)neuroblastoma	4	42	8	0	2	54	56	7.7	6.1	1.3	1.3	5	27	7	3	1	42	43	6.1	4.8		
b. Peripheral nervous	0	1	1	1	1	3	4	0.4	0.3	1.5	1.3	0	0	0	2	1	2	3	0.2	0.2		
V RETINOBLASTOMA	5	20	3	0	0	28	28	4.0	3.1	1.5	1.5	0	15	4	0	0	19	19	2.8	2.2		
VI RENAL TUMOURS	6	36	17	1	1	60	61	8.2	6.4	1.2	1.2	0	31	15	4	2	50	52	7.0	5.6		
a. Nephroblastoma	6	35	15	1	0	57	57	7.8	6.1	1.2	1.2	0	29	15	2	0	46	46	6.5	5.0		
b. Renal carcinoma	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	0	2	2	2	4	0.2	0.3		
c. Unspecified	0	1	2	0	0	3	3	0.4	0.3	1.5	1.5	0	2	0	0	0	2	2	0.3	0.2		
VII HEPATIC TUMOURS	1	3	3	5	2	12	14	1.4	1.2	2.4	2.3	0	2	1	2	1	5	6	0.6	0.6		
a. Hepatoblastoma	0	3	3	0	0	6	6	0.8	0.6	1.5	1.5	0	2	1	1	0	4	4	0.5	0.4		
b. Hepatic carcinoma	0	0	0	4	2	4	6	0.4	0.4	4.0	3.0	0	0	0	1	1	1	2	0.1	0.2		
c. Unspecified	1	0	0	1	0	2	2	0.2	0.2	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	4	19	38	52	61	113	6.3	8.6	1.2	1.2	0	1	10	40	41	51	92	5.3	7.1		
a. Osteosarcoma	0	0	7	17	27	24	51	2.4	3.8	0.9	1.1	0	0	4	22	20	26	46	2.6	3.5		
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.1	0.0	0.2	0	0	0	2	4	2	6	0.2	0.4		
c. Ewing & related	0	4	12	21	23	37	60	3.9	4.7	1.9	1.7	0	1	6	13	15	20	35	2.1	2.8		
d. Other specified	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	0	3	1	3	4	0.3	0.3		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1		
IX SOFT TISSUE SARCOMA	1	20	8	15	30	44	74	5.4	6.3	1.4	1.2	2	8	5	16	31	31	62	3.7	5.2		
a. Rhabdomyosarcoma	1	17	6	5	10	29	39	3.8	3.7	1.6	1.5	2	7	2	7	8	18	26	2.3	2.4		
b. Fibrosarcoma	0	0	0	3	8	3	11	0.3	0.8	3.0	1.6	0	0	0	1	6	1	7	0.1	0.5		
c. Kaposi sarcoma	0	0	1	1	0	2	2	0.2	0.2	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	2	1	4	9	7	16	0.8	1.2	0.7	0.7	0	1	3	6	13	10	23	1.1	1.8		
e. Unspecified	0	1	0	2	3	3	6	0.3	0.5	1.5	1.0	0	0	0	2	4	2	6	0.2	0.4		
X GERM CELL TUMOURS	1	2	2	1	13	6	19	0.8	1.5	0.3	0.5	2	2	2	16	16	22	38	2.4	3.1		
a. CNS germ cell	0	0	0	1	1	1	2	0.1	0.1	1.0	2.0	0	0	1	0	0	1	1	0.1	0.1		
b. Other extragonadal	0	1	0	0	3	1	4	0.1	0.3	0.5	2.0	1	1	0	0	0	2	2	0.3	0.2		
c. Gonadal germ cell	1	1	1	0	7	3	10	0.4	0.8	0.2	0.3	1	0	1	15	13	17	30	1.7	2.3		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	3	0	3	-	0.2		
e. Unspecified gonadal	0	0	1	0	2	1	3	0.1	0.2	0.5	1.5	0	1	0	1	0	2	2	0.3	0.2		
XI CARCINOMA & MELANOMA	0	3	9	43	84	55	139	5.5	10.2	0.9	1.0	0	2	15	41	88	58	146	6.1	11.3		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	1	1	4	11	6	17	0.6	1.3	0.5	0.4	0	0	2	10	32	12	44	1.2	3.3		
c. Nasopharyngeal	0	0	1	28	45	29	74	2.7	5.3	1.4	1.5	0	0	3	18	27	21	48	2.1	3.7		
d. Melanoma	0	0	0	1	0	1	1	0.1	0.1	0.3	0.2	0	0	0	4	2	4	6	0.4	0.5		
e. Skin carcinoma	0	2	4	7	9	13	22	1.4	1.7	0.9	1.0	0	2	8	5	6	15	21	1.8	1.8		
f. Other & unspecified	0	0	3	3	19	6	25	0.6	1.8	1.0	0.9	0	0	2	4	21	6	27	0.6	2.0		
XII OTHER & UNSPECIFIED	2	8	5	10	6	25	31	3.0	2.7	2.1	1.9	2	6	0	4	4	12	16	1.6	1.6		
a. Other specified	0	0	0	0	2	0	2	-	0.1	0.0	0.7	0	2	0	1	0	3	3	0.4	0.3		
b. Other unspecified	2	8	5	10	4	25	29	3.0	2.6	2.8	2.2	2	4	0	3	4	9	13	1.2	1.3		
TOTAL	25	280	321	309	412	935	1347	110.2	114.7	1.4	1.3	14	203	189	250	359	656	1015	81.0	89.4		

† includes 14 non-malignant in males and 17 non-malignant in females

Please consult the quality indicators for this registry

TUNISIA, North (1994-2006)

	Age group	Males	Females
Person-years	0	508 042	482 217
	1-4	2 111 580	1 999 830
	5-9	2 854 820	2 702 383
	10-14	3 104 018	2 955 397
	15-19	3 164 358	3 027 975
Total	0-14	8 578 460	8 139 827
	0-19	11 742 818	11 167 802
Average annual population	0-14	659 882	626 141
	0-19	903 294	859 062

Please consult the quality indicators for this registry