

TUNISIA, 2 registries (1993-2007)

	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	6	159	164	148	135	477	612	26.1	100.0	22.6	100.0	5.3	33.8	26.1	21.7	19.4	25.7	24.3	381	478	100.0	0.0	
a. Lymphoid	3	122	131	91	78	347	425	19.0	72.7	15.7	69.4	2.7	26.0	20.9	13.3	11.2	18.9	17.2	278	334	100.0	0.0	
b. Acute myeloid	3	30	31	51	47	115	162	6.3	24.1	6.0	26.5	2.7	6.4	4.9	7.5	6.7	6.0	6.1	90	124	100.0	0.0	
c. CMD	0	0	0	2	4	2	6	0.1	0.4	0.2	1.0	-	-	-	0.3	0.6	0.1	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	0.7	2.7	0.7	3.1	-	1.5	0.3	0.6	0.9	0.7	0.8	11	15	100.0	0.0	
II LYMPHOMA & RELATED	2	59	136	136	225	333	558	18.2	100.0	20.6	100.0	1.8	12.6	21.7	19.9	32.3	16.8	20.3	260	422	100.0	0.0	
a. Hodgkin	0	7	66	80	140	153	293	8.4	45.9	10.8	52.5	-	1.5	10.5	11.7	20.1	7.3	10.1	117	218	100.0	0.0	
b. Non-Hodgkin except BL	0	12	33	36	68	81	149	4.4	24.3	5.5	26.7	-	2.6	5.3	5.3	9.8	4.0	5.3	63	112	100.0	0.0	
c. Burkitt (BL)	0	4	8	2	1	14	15	0.8	4.2	0.6	2.7	-	0.9	1.3	0.3	0.1	0.8	0.6	11	12	100.0	0.0	
d. Lymphoreticular	2	32	26	11	8	71	79	3.9	21.3	2.9	14.2	1.8	6.8	4.1	1.6	1.1	4.1	3.4	58	64	100.0	0.0	
e. Unspecified	0	4	3	7	8	14	22	0.8	4.2	0.8	3.9	-	0.9	0.5	1.0	1.1	0.7	0.8	11	17	100.0	0.0	
III CNS NEOPLASMS †	1	74	119	80	84	274	358	15.0	100.0	13.2	100.0	0.9	15.7	19.0	11.7	12.1	14.5	14.0	218	278	90.8	0.0	
a. Ependymoma	0	10	9	7	7	26	33	1.4	9.5	1.2	9.2	-	2.1	1.4	1.0	1.0	1.4	1.3	21	26	100.0	0.0	
b. Astrocytoma	1	28	47	38	47	114	161	6.2	41.6	5.9	45.0	0.9	6.0	7.5	5.6	6.7	6.0	6.1	90	124	100.0	0.0	
c. CNS embryonal	0	20	33	19	11	72	83	3.9	26.3	3.1	23.2	-	4.3	5.3	2.8	1.6	3.8	3.3	57	65	100.0	0.0	
d. Other gliomas	0	4	11	6	14	21	35	1.1	7.7	1.3	9.8	-	0.9	1.8	0.9	2.0	1.1	1.3	17	27	100.0	0.0	
e. Other specified	0	2	0	4	1	6	7	0.3	2.2	0.3	2.0	-	0.4	-	0.6	0.1	0.3	0.3	5	5	100.0	0.0	
f. Unspecified CNS	0	10	19	6	4	35	39	1.9	12.8	1.4	10.9	-	2.1	3.0	0.9	0.6	1.9	1.6	28	31	15.4	0.0	
IV NEUROBLASTOMA	17	82	21	6	7	126	133	6.9	100.0	4.9	100.0	15.1	17.4	3.3	0.9	1.0	7.9	6.4	106	111	98.5	0.0	
a. (Ganglio)neuroblastoma	17	81	20	3	4	121	125	6.6	96.0	4.6	94.0	15.1	17.2	3.2	0.4	0.6	7.7	6.1	102	105	98.4	0.0	
b. Peripheral nervous	0	1	1	3	3	5	8	0.3	4.0	0.3	6.0	-	0.2	0.2	0.4	0.4	0.2	0.3	4	6	100.0	0.0	
V RETINOBLASTOMA	7	41	7	0	0	55	55	3.0	100.0	2.0	100.0	6.2	8.7	1.1	-	-	3.6	2.8	47	47	100.0	0.0	
VI RENAL TUMOURS	7	84	32	6	4	129	133	7.0	100.0	4.9	100.0	6.2	17.9	5.1	0.9	0.6	7.9	6.3	108	111	95.5	0.0	
a. Nephroblastoma	7	81	30	4	1	122	123	6.7	94.6	4.5	92.5	6.2	17.2	4.8	0.6	0.1	7.6	5.9	102	103	97.6	0.0	
b. Renal carcinoma	0	0	0	2	3	2	5	0.1	1.6	0.2	3.8	-	-	-	0.3	0.4	0.1	0.2	1	4	100.0	0.0	
c. Unspecified	0	3	2	0	0	5	5	0.3	3.9	0.2	3.8	-	0.6	0.3	-	-	0.3	0.2	4	4	40.0	0.0	
VII HEPATIC TUMOURS	1	8	5	10	3	24	27	1.3	100.0	1.0	100.0	0.9	1.7	0.8	1.5	0.4	1.3	1.1	19	21	88.9	0.0	
a. Hepatoblastoma	0	8	4	1	0	13	13	0.7	54.2	0.5	48.1	-	1.7	0.6	0.1	-	0.8	0.6	11	11	100.0	0.0	
b. Hepatic carcinoma	0	0	0	8	3	8	11	0.4	33.3	0.4	40.7	-	-	-	1.2	0.4	0.3	0.4	6	8	100.0	0.0	
c. Unspecified	1	0	1	1	0	3	3	0.2	12.5	0.1	11.1	0.9	-	0.2	0.1	-	0.2	0.1	2	2	0.0	0.0	
VIII BONE TUMOURS	0	5	32	87	97	124	221	6.8	100.0	8.1	100.0	-	1.1	5.1	12.8	13.9	5.7	7.5	94	163	100.0	0.0	
a. Osteosarcoma	0	0	13	47	47	60	107	3.3	48.4	3.9	48.4	-	-	2.1	6.9	6.7	2.7	3.6	45	79	100.0	0.0	
b. Chondrosarcoma	0	0	0	2	5	2	7	0.1	1.6	0.3	3.2	-	-	-	0.3	0.7	0.1	0.2	1	5	100.0	0.0	
c. Ewing & related	0	5	19	35	42	59	101	3.2	47.6	3.7	45.7	-	1.1	3.0	5.1	6.0	2.8	3.5	45	75	100.0	0.0	
d. Other specified	0	0	0	3	2	3	5	0.2	2.4	0.2	2.3	-	-	-	0.4	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	-	-	-	-	0.1	-	0.0	-	1	100.0	0.0	
IX SOFT TISSUE SARCOMA	4	33	18	36	73	91	164	5.0	100.0	6.0	100.0	3.6	7.0	2.9	5.3	10.5	4.9	6.2	73	125	100.0	0.0	
a. Rhabdomyosarcoma	4	28	11	13	20	56	76	3.1	61.5	2.8	46.3	3.6	6.0	1.8	1.9	2.9	3.2	3.2	46	60	100.0	0.0	
b. Fibrosarcoma	0	0	0	4	15	4	19	0.2	4.4	0.7	11.6	-	-	-	0.6	2.2	0.2	0.6	3	14	100.0	0.0	
c. Kaposi sarcoma	0	0	1	1	1	2	3	0.1	2.2	0.1	1.8	-	-	0.2	0.1	0.1	0.1	0.1	2	2	100.0	0.0	
d. Other specified	0	4	6	12	30	22	52	1.2	24.2	1.9	31.7	-	0.9	1.0	1.8	4.3	1.1	1.8	17	39	100.0	0.0	
e. Unspecified	0	1	0	6	7	7	14	0.4	7.7	0.5	8.5	-	0.2	-	0.9	1.0	0.3	0.5	5	10	100.0	0.0	
X GERM CELL TUMOURS	4	6	4	18	36	32	68	1.7	100.0	2.5	100.0	3.6	1.3	0.6	2.6	5.2	1.6	2.4	25	51	97.1	0.0	
a. CNS germ cell	0	0	1	1	1	2	3	0.1	6.3	0.1	4.4	-	-	0.2	0.1	0.1	0.1	0.1	2	2	100.0	0.0	
b. Other extragonadal	2	3	0	0	5	5	10	0.3	15.6	0.4	14.7	1.8	0.6	-	-	0.7	0.3	0.4	4	8	100.0	0.0	
c. Gonadal germ cell	2	2	2	15	24	21	45	1.1	65.6	1.7	66.2	1.8	0.4	0.3	2.2	3.4	1.0	1.6	16	33	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	-	0.1	4.4	-	-	-	-	0.4	-	0.1	-	2	2	100.0	0.0
e. Unspecified gonadal	0	1	1	2	3	4	7	0.2	12.5	0.3	10.3	-	0.2	0.2	0.3	0.4	0.2	0.3	3	5	71.4	0.0	
XI CARCINOMA & MELANOMA	0	5	26	96	207	127	334	6.9	100.0	12.3	100.0	-	1.1	4.1	14.1	29.7	5.8	11.1	95	244	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	1	3	15	47	19	66	1.0	15.0	2.4	19.8	-	0.2	0.5	2.2	6.7	0.9	2.2	14	48	100.0	0.0	
c. Nasopharyngeal	0	0	4	50	86	54	140	3.0	42.5	5.2	41.9	-	-	0.6	7.3	12.3	2.3	4.6	40	102	100.0	0.0	
d. Melanoma	0	0	0	6	3	6	9	0.3	4.7	0.3	2.7	-	-	-	0.9	0.4	0.3	0.3	4	7	100.0	0.0	
e. Skin carcinoma	0	4	13	16	23	33	56	1.8	26.0	2.1	16.8	-	0.9	2.1	2.3	3.3	1.6	2.0	26	42	100.0	0.0	
f. Other & unspecified	0	0	6	9	48	15	63	0.8	11.8	2.3	18.9	-	-	1.0	1.3	6.9	0.7	2.1	11	46	100.0	0.0	
XII OTHER & UNSPECIFIED	4	15	5	14	11	38	49	2.1	100.0	1.8	100.0	3.6	3.2	0.8	2.1	1.6	2.1	2.0	31	38	44.9	0.0	
a. Other specified	0	2	0	1	2	3	5	0.2	7.9	0.2	10.2	-	0.4	-	0.1	0.3	0.2	0.2	2	4	100.0	0.0	
b. Other unspecified	4	13	5	13	9	35	44	1.9	92.1	1.6	89.8	3.6	2.8	0.8	1.9	1.3	1.9	1.8	28	35	38.6	0.0	
TOTAL	53	571	569	637	882	1830	2712	100.0	100.0	100.0	100.0	47.2	121.5	90.6	93.4	126.6	97.8	104.3	1456	2089	97.3	0.0	

† includes 34 non-malignant

Please consult the quality indicators for the constituent registries

TUNISIA, 2 registries (1993-2007)

	Males										M/F ratio		Females									
	Number of cases in age groups												Number of cases in age groups									
	0	1-4	5-9	10-14	15-19	0-14	0-19	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	82	100	90	80	275	355	28.5	27.1	1.4	1.4	3	77	64	58	55	202	257	22.8	21.3		
a. Lymphoid	1	63	77	57	54	198	252	20.7	19.5	1.3	1.5	2	59	54	34	24	149	173	17.0	14.8		
b. Acute myeloid	2	15	21	29	21	67	88	6.7	6.5	1.4	1.2	1	15	10	22	26	48	74	5.2	5.7		
c. CMD	0	0	0	1	1	1	2	0.1	0.1	1.0	0.5	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	1.0	1.0	2.3	2.2	0	3	0	1	2	4	6	0.5	0.5		
II LYMPHOMA & RELATED	2	37	97	91	125	227	352	22.3	25.2	2.1	1.7	0	22	39	45	100	106	206	11.1	15.2		
a. Hodgkin	0	6	47	51	67	104	171	9.7	11.8	2.1	1.4	0	1	19	29	73	49	122	4.7	8.4		
b. Non-Hodgkin except BL	0	6	26	26	47	58	105	5.5	7.3	2.5	2.4	0	6	7	10	21	23	44	2.4	3.3		
c. Burkitt (BL)	0	2	5	2	1	9	10	0.9	0.8	1.8	2.0	0	2	3	0	0	5	5	0.6	0.5		
d. Lymphoreticular	2	20	17	8	5	47	52	5.2	4.4	2.0	1.9	0	12	9	3	3	24	27	2.9	2.4		
e. Unspecified	0	3	2	4	5	9	14	0.9	1.0	1.8	1.8	0	1	1	3	3	5	8	0.5	0.6		
III CNS NEOPLASMS †	0	42	74	43	42	159	201	16.4	15.4	1.4	1.3	1	32	45	37	42	115	157	12.5	12.5		
a. Ependymoma	0	7	7	4	3	18	21	1.9	1.7	2.3	1.8	0	3	2	3	4	8	12	0.9	0.9		
b. Astrocytoma	0	17	29	19	25	65	90	6.7	6.8	1.3	1.3	1	11	18	19	22	49	71	5.2	5.5		
c. CNS embryonal	0	9	22	12	6	43	49	4.4	3.8	1.5	1.4	0	11	11	7	5	29	34	3.3	2.9		
d. Other gliomas	0	3	9	2	5	14	19	1.5	1.4	2.0	1.2	0	1	2	4	9	7	16	0.7	1.1		
e. Other specified	0	0	0	1	0	1	1	0.1	0.1	0.2	0.2	0	2	0	3	1	5	6	0.5	0.5		
f. Unspecified CNS	0	6	7	5	3	18	21	1.9	1.7	1.1	1.2	0	4	12	1	1	17	18	1.9	1.5		
IV NEUROBLASTOMA	8	53	11	1	3	73	76	9.1	7.2	1.4	1.3	9	29	10	5	4	53	57	6.7	5.4		
a. (Ganglioneuroblastoma	8	52	10	0	2	70	72	8.8	6.9	1.4	1.4	9	29	10	3	2	51	53	6.5	5.2		
b. Peripheral nervous	0	1	1	1	1	3	4	0.3	0.3	1.5	1.0	0	0	0	2	2	2	4	0.2	0.3		
V RETINOBLASTOMA	6	23	3	0	0	32	32	4.1	3.1	1.4	1.4	1	18	4	0	0	23	23	3.0	2.3		
VI RENAL TUMOURS	6	43	17	1	1	67	68	8.1	6.4	1.1	1.0	1	41	15	5	3	62	65	7.8	6.2		
a. Nephroblastoma	6	42	15	1	0	64	64	7.8	6.0	1.1	1.1	1	39	15	3	1	58	59	7.3	5.7		
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	0.3	0.3	1.5	1.5	0	2	0	0	0	2	2	0.3	0.2		
VII HEPATIC TUMOURS	1	5	4	8	2	18	20	1.8	1.6	3.0	2.9	0	3	1	2	1	6	7	0.7	0.6		
a. Hepatoblastoma	0	5	3	0	0	8	8	0.9	0.7	1.6	1.6	0	3	1	1	0	5	5	0.6	0.5		
b. Hepatic carcinoma	0	0	0	7	2	7	9	0.6	0.6	7.0	4.5	0	0	0	1	1	1	2	0.1	0.1		
c. Unspecified	1	0	1	1	0	3	3	0.3	0.2	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	4	22	41	54	67	121	6.1	8.2	1.2	1.2	0	1	10	46	43	57	100	5.2	6.9		
a. Osteosarcoma	0	0	9	19	27	28	55	2.5	3.6	0.9	1.1	0	0	4	28	20	32	52	2.9	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	13	22	25	39	64	3.6	4.4	2.0	1.7	0	1	6	13	17	20	37	1.9	2.6		
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	2	24	11	18	38	55	93	6.0	7.0	1.5	1.3	2	9	7	18	35	36	71	3.8	5.3		
a. Rhabdomyosarcoma	2	20	9	6	11	37	48	4.2	4.0	1.9	1.7	2	8	2	7	9	19	28	2.2	2.3		
b. Fibrosarcoma	0	0	0	3	9	3	12	0.2	0.8	3.0	1.7	0	0	0	1	6	1	7	0.1	0.5		
c. Kaposi sarcoma	0	0	1	1	0	2	2	0.2	0.1	-	2.0	0	0	0	0	1	0	1	-	0.1		
d. Other specified	0	3	1	4	15	8	23	0.8	1.6	0.6	0.8	0	1	5	8	15	14	29	1.4	2.0		
e. Unspecified	0	1	0	4	3	5	8	0.5	0.5	2.5	1.3	0	0	0	2	4	2	6	0.2	0.4		
X GERM CELL TUMOURS	1	4	2	1	16	8	24	0.9	1.7	0.3	0.5	3	2	2	17	20	24	44	2.4	3.2		
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	2	0	0	4	2	6	0.3	0.5	0.7	1.5	2	1	0	0	1	3	4	0.4	0.4		
c. Gonadal germ cell	1	2	1	0	9	4	13	0.5	0.9	0.2	0.4	1	0	1	15	15	17	32	1.6	2.2		
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	0.3	0.8	0	1	0	2	1	3	4	0.3	0.3		
XI CARCINOMA & MELANOMA	0	3	11	52	101	66	167	5.8	10.9	1.1	1.0	0	2	15	44	106	61	167	5.7	11.4		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	1	1	5	13	7	20	0.6	1.3	0.6	0.4	0	0	2	10	34	12	46	1.1	3.1		
c. Nasopharyngeal	0	0	1	31	54	32	86	2.7	5.5	1.5	1.6	0	0	3	19	32	22	54	2.0	3.6		
d. Melanoma	0	0	0	1	0	1	1	0.1	0.1	0.2	0.1	0	0	0	5	3	5	8	0.4	0.5		
e. Skin carcinoma	0	2	5	10	12	17	29	1.6	2.0	1.1	1.1	0	2	8	6	11	16	27	1.6	2.0		
f. Other & unspecified	0	0	4	5	22	9	31	0.8	2.0	1.5	1.0	0	0	2	4	26	6	32	0.6	2.2		
XII OTHER & UNSPECIFIED	2	8	5	10	7	25	32	2.6	2.5	1.9	1.9	2	7	0	4	4	13	17	1.6	1.5		
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	5	25	30	2.6	2.4	2.5	2.1	2	5	0	3	4	10	14	1.2	1.2		
TOTAL	31	328	357	356	469	1072	1541	111.8	116.3	1.4	1.3	22	243	212	281	413	758	1171	83.1	91.7		

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

Please consult the quality indicators for the constituent registries

TUNISIA, 2 registries (1993-2007)

	Age group	Males	Females
Person-years	0	576 171	545 950
	1-4	2 414 549	2 285 598
	5-9	3 221 924	3 056 088
	10-14	3 493 417	3 324 302
	15-19	3 563 859	3 404 874
Total	0-14	9 706 061	9 211 938
	0-19	13 269 920	12 616 812
Average annual population	0-14	647 071	614 129
	0-19	884 661	841 121

Please consult the quality indicators for the constituent registries

TUNISIA, 2 registries (1993-2007)

Registry	Period	Cases	%	Person-years	%
Central	1993-2007	350	12.9	2 976 112	11.5
North	1994-2006	2362	87.1	22 910 620	88.5
TUNISIA	1993-2007	2712	100.0	25 886 732	100.0

Please consult the quality indicators for the constituent registries

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