

LIBYA, Benghazi (2003-2008)

	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	2	45	29	21	19	97	116	30.5	100.0	27.6	100.0	9.8	55.4	30.4	21.3	18.9	33.9	30.5	490	584	98.3	1.7	
a. Lymphoid	0	11	9	4	8	24	32	7.5	24.7	7.6	27.6	-	13.5	9.4	4.1	8.0	8.4	8.3	122	161	100.0	0.0	
b. Acute myeloid	0	10	3	2	8	15	23	4.7	15.5	5.5	19.8	-	12.3	3.1	2.0	8.0	5.4	6.0	75	115	95.7	4.3	
c. CMD	0	2	0	2	0	4	4	1.3	4.1	1.0	3.4	-	2.5	-	2.0	-	1.4	1.0	20	20	100.0	0.0	
d. MDS & other	0	0	2	2	0	4	4	1.3	4.1	1.0	3.4	-	-	2.1	2.0	-	1.3	1.0	21	21	100.0	0.0	
e. Unspecified	2	22	15	11	3	50	53	15.7	51.5	12.6	45.7	9.8	27.1	15.7	11.1	3.0	17.5	14.2	252	267	98.1	1.9	
II LYMPHOMA & RELATED	1	11	24	17	27	53	80	16.7	100.0	19.0	100.0	4.9	13.5	25.1	17.2	26.9	17.7	19.8	271	405	100.0	0.0	
a. Hodgkin	0	1	9	11	20	21	41	6.6	39.6	9.8	51.2	-	1.2	9.4	11.1	19.9	6.7	9.6	108	207	100.0	0.0	
b. Non-Hodgkin except BL	1	3	2	3	5	9	14	2.8	17.0	3.3	17.5	4.9	3.7	2.1	3.0	5.0	3.1	3.5	45	70	100.0	0.0	
c. Burkitt (BL)	0	6	8	3	0	17	17	5.3	32.1	4.0	21.3	-	7.4	8.4	3.0	-	5.9	4.6	87	87	100.0	0.0	
d. Lymphoreticular	0	1	3	0	0	4	4	1.3	7.5	1.0	5.0	-	1.2	3.1	-	-	1.4	1.1	21	21	100.0	0.0	
e. Unspecified	0	0	2	0	2	2	4	0.6	3.8	1.0	5.0	-	-	2.1	-	2.0	0.7	1.0	10	20	100.0	0.0	
III CNS NEOPLASMS †	1	16	14	16	9	47	56	14.8	100.0	13.3	100.0	4.9	19.7	14.7	16.2	9.0	15.9	14.4	238	283	64.3	7.1	
a. Ependymoma	0	1	0	2	0	3	3	0.9	6.4	0.7	5.4	-	1.2	-	2.0	-	1.0	0.8	15	15	100.0	0.0	
b. Astrocytoma	0	6	5	5	4	16	20	5.0	34.0	4.8	35.7	-	7.4	5.2	5.1	4.0	5.4	5.1	81	101	95.0	0.0	
c. CNS embryonal	1	4	3	3	1	11	12	3.5	23.4	2.9	21.4	4.9	4.9	3.1	3.0	1.0	3.8	3.2	56	61	100.0	0.0	
d. Other gliomas	0	0	1	2	0	3	3	0.9	6.4	0.7	5.4	-	-	1.0	2.0	-	0.9	0.7	15	15	66.7	0.0	
e. Other specified	0	0	1	0	0	1	1	0.3	2.1	0.2	1.8	-	-	1.0	-	-	0.3	0.3	5	5	0.0	0.0	
f. Unspecified CNS	0	5	4	4	4	13	17	4.1	27.7	4.0	30.4	-	6.2	4.2	4.1	4.0	4.4	4.3	66	86	0.0	23.5	
IV NEUROBLASTOMA	1	15	5	1	2	22	24	6.9	100.0	5.7	100.0	4.9	18.5	5.2	1.0	2.0	8.1	6.7	110	120	100.0	0.0	
a. (Ganglio)neuroblastoma	1	15	5	1	2	22	24	6.9	100.0	5.7	100.0	4.9	18.5	5.2	1.0	2.0	8.1	6.7	110	120	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	1	11	2	0	0	14	14	4.4	100.0	3.3	100.0	4.9	13.5	2.1	-	-	5.2	4.1	70	70	50.0	0.0	
VI RENAL TUMOURS	2	12	6	0	2	20	22	6.3	100.0	5.2	100.0	9.8	14.8	6.3	-	2.0	7.4	6.2	100	110	77.3	9.1	
a. Nephroblastoma	1	6	2	0	0	9	9	2.8	45.0	2.1	40.9	4.9	7.4	2.1	-	-	3.3	2.6	45	45	77.8	22.2	
b. Renal carcinoma	1	5	3	0	2	9	11	2.8	45.0	2.6	50.0	4.9	6.2	3.1	-	2.0	3.3	3.0	45	55	81.8	0.0	
c. Unspecified	0	1	1	0	0	2	2	0.6	10.0	0.5	9.1	-	1.2	1.0	-	-	0.7	0.6	10	10	50.0	0.0	
VII HEPATIC TUMOURS	1	3	0	1	0	5	5	1.6	100.0	1.2	100.0	4.9	3.7	-	1.0	-	1.8	1.4	25	25	40.0	0.0	
a. Hepatoblastoma	0	2	0	0	0	2	2	0.6	40.0	0.5	40.0	-	2.5	-	-	-	0.8	0.6	10	10	50.0	0.0	
b. Hepatic carcinoma	0	1	0	0	0	1	1	0.3	20.0	0.2	20.0	-	1.2	-	-	-	0.4	0.3	5	5	100.0	0.0	
c. Unspecified	1	0	0	1	0	2	2	0.6	40.0	0.5	40.0	4.9	-	-	1.0	-	0.7	0.5	10	10	0.0	0.0	
VIII BONE TUMOURS	0	2	3	11	6	16	22	5.0	100.0	5.2	100.0	-	2.5	3.1	11.1	6.0	5.0	5.2	81	111	81.8	0.0	
a. Osteosarcoma	0	0	1	4	1	5	6	1.6	31.3	1.4	27.3	-	-	1.0	4.1	1.0	1.5	1.4	26	30	100.0	0.0	
b. Chondrosarcoma	0	0	0	1	0	1	1	0.3	6.3	0.2	4.5	-	-	-	1.0	-	0.3	0.2	5	5	100.0	0.0	
c. Ewing & related	0	1	2	4	2	7	9	2.2	43.8	2.1	40.9	-	1.2	2.1	4.1	2.0	2.2	2.2	36	46	100.0	0.0	
d. Other specified	0	1	0	0	0	1	1	0.3	6.3	0.2	4.5	-	1.2	-	-	-	0.4	0.3	5	5	100.0	0.0	
e. Unspecified	0	0	0	2	3	2	5	0.6	12.5	1.2	22.7	-	-	-	2.0	3.0	0.6	1.1	10	25	20.0	0.0	
IX SOFT TISSUE SARCOMA	0	7	5	5	11	17	28	5.3	100.0	6.7	100.0	-	8.6	5.2	5.1	10.9	5.8	7.0	86	141	96.4	0.0	
a. Rhabdomyosarcoma	0	2	2	0	1	4	5	1.3	23.5	1.2	17.9	-	2.5	2.1	-	1.0	1.4	1.3	20	25	100.0	0.0	
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	1	0	1	2	2	4	0.6	11.8	1.0	14.3	-	1.2	-	1.0	2.0	0.7	1.0	10	20	100.0	0.0	
e. Unspecified	0	4	3	4	8	11	19	3.5	64.7	4.5	67.9	-	4.9	3.1	4.1	8.0	3.7	4.7	56	95	94.7	0.0	
X GERM CELL TUMOURS	0	2	0	1	3	3	6	0.9	100.0	1.4	100.0	-	2.5	-	1.0	3.0	1.1	1.5	15	30	83.3	0.0	
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other extragonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Gonadal germ cell	0	2	0	1	3	3	6	0.9	100.0	1.4	100.0	-	2.5	-	1.0	3.0	1.1	1.5	15	30	83.3	0.0	
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XI CARCINOMA & MELANOMA	3	2	6	6	19	17	36	5.3	100.0	8.6	100.0	14.8	2.5	6.3	6.1	18.9	5.7	8.7	86	181	88.9	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	0	1	0	1	1	2	0.3	5.9	0.5	5.6	-	-	1.0	-	1.0	0.3	0.5	5	10	100.0	0.0	
c. Nasopharyngeal	0	0	0	3	6	3	9	0.9	17.6	2.1	25.0	-	-	-	3.0	6.0	0.9	2.0	15	45	100.0	0.0	
d. Melanoma	0	0	0	0	1	0	1	-	-	0.2	2.8	-	-	-	-	1.0	-	0.2	-	5	5	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	3	2	5	3	11	13	24	4.1	76.5	5.7	66.7	14.8	2.5	5.2	3.0	10.9	4.5	5.9	66	121	83.3	0.0	
XII OTHER & UNSPECIFIED	1	3	2	1	4	7	11	2.2	100.0	2.6	100.0	4.9	3.7	2.1	1.0	4.0	2.5	2.8	35	55	54.5	9.1	
a. Other specified	0	0	0	0	1	0	1	-	-	0.2	9.1	-	-	-	-	1.0	-	0.2	-	5	5	100.0	0.0
b. Other unspecified	1	3	2	1	3	7	10	2.2	100.0	2.4	90.9	4.9	3.7	2.1	1.0	3.0	2.5	2.6	35	50	50.0	10.0	
TOTAL	13	129	96	80	102	318	420	100.0	100.0	100.0	100.0	64.0	158.7	100.6	81.1	101.5	110.1	108.2	1607	2115	87.6	2.1	

† includes 5 non-malignant

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	Males										M/F ratio		Females									
	Number of cases in age groups										0-14	0-19	Number of cases in age groups									
	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	1	21	17	10	10	49	59	33.5	30.3	1.0	1.0	1	24	12	11	9	48	57	34.3	30.7		
a. Lymphoid	0	5	4	0	5	9	14	6.4	7.1	0.6	0.8	0	6	5	4	3	15	18	10.5	9.5		
b. Acute myeloid	0	2	0	1	3	3	6	2.1	2.9	0.3	0.4	0	8	3	1	5	12	17	8.9	9.2		
c. CMD	0	2	0	2	0	4	4	2.6	2.1	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	0	0	1	2	0	3	3	1.8	1.4	3.0	3.0	0	0	1	0	0	1	1	0.7	0.5		
e. Unspecified	1	12	12	5	2	30	32	20.6	16.8	1.5	1.5	1	10	3	6	1	20	21	14.2	11.5		
II LYMPHOMA & RELATED	0	5	21	9	11	35	46	22.9	22.5	1.9	1.4	1	6	3	8	16	18	34	12.3	16.9		
a. Hodgkin	0	1	7	6	10	14	24	8.9	11.2	2.0	1.4	0	0	2	5	10	7	17	4.4	8.0		
b. Non-Hodgkin except BL	0	2	1	0	1	3	4	2.2	2.1	0.5	0.4	1	1	1	3	4	6	10	4.0	5.0		
c. Burkitt (BL)	0	2	8	3	0	13	13	8.5	6.6	3.3	3.3	0	4	0	0	0	4	4	3.1	2.4		
d. Lymphoreticular	0	0	3	0	0	3	3	2.0	1.5	3.0	3.0	0	1	0	0	0	1	1	0.8	0.6		
e. Unspecified	0	0	2	0	0	2	2	1.3	1.0	-	1.0	0	0	0	0	2	0	2	-	0.9		
III CNS NEOPLASMS †	1	10	7	6	8	24	32	16.3	16.1	1.0	1.3	0	6	7	10	1	23	24	15.5	12.5		
a. Ependymoma	0	0	0	1	0	1	1	0.6	0.4	0.5	0.5	0	1	0	1	0	2	2	1.4	1.1		
b. Astrocytoma	0	4	1	1	4	6	10	4.2	5.0	0.6	1.0	0	2	4	4	0	10	10	6.7	5.2		
c. CNS embryonal	1	3	2	2	1	8	9	5.5	4.7	2.7	3.0	0	1	1	1	0	3	3	2.1	1.6		
d. Other gliomas	0	0	0	1	0	1	1	0.6	0.4	0.5	0.5	0	0	1	1	0	2	2	1.3	1.0		
e. Other specified	0	0	1	0	0	1	1	0.7	0.5	-	-	0	0	0	0	0	0	0	-	-		
f. Unspecified CNS	0	3	3	1	3	7	10	4.8	5.0	1.2	1.4	0	2	1	3	1	6	7	4.0	3.6		
IV NEUROBLASTOMA	0	8	3	1	1	12	13	8.5	7.1	1.2	1.2	1	7	2	0	1	10	11	7.6	6.3		
a. (Ganglio)neuroblastoma	0	8	3	1	1	12	13	8.5	7.1	1.2	1.2	1	7	2	0	1	10	11	7.6	6.3		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	0	6	2	0	0	8	8	5.8	4.5	1.3	1.3	1	5	0	0	0	6	6	4.7	3.6		
VI RENAL TUMOURS	1	8	4	0	0	13	13	9.4	7.3	1.9	1.4	1	4	2	0	2	7	9	5.3	5.0		
a. Nephroblastoma	0	5	1	0	0	6	6	4.4	3.4	2.0	2.0	1	1	1	0	0	3	3	2.2	1.7		
b. Renal carcinoma	1	3	3	0	0	7	7	5.0	3.9	3.5	1.8	0	2	0	0	2	4	1.6	2.1			
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	1	0	0	2	2	1.5	1.1		
VII HEPATIC TUMOURS	1	2	0	1	0	4	4	2.8	2.2	4.0	4.0	0	1	0	0	0	1	1	0.8	0.6		
a. Hepatoblastoma	0	1	0	0	0	1	1	0.7	0.6	1.0	1.0	0	1	0	0	0	1	1	0.8	0.6		
b. Hepatic carcinoma	0	1	0	0	0	1	1	0.7	0.6	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	1	0	0	1	0	2	2	1.3	1.0	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	1	1	8	4	10	14	6.0	6.4	1.7	1.8	0	1	2	3	2	6	8	4.0	4.0		
a. Osteosarcoma	0	0	0	2	0	2	2	1.2	0.9	0.7	0.5	0	0	1	2	1	3	4	1.9	1.9		
b. Chondrosarcoma	0	0	0	1	0	1	1	0.6	0.4	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	1	3	1	5	6	3.1	2.9	2.5	2.0	0	0	1	1	1	2	3	1.3	1.5		
d. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.8	0.6		
e. Unspecified	0	0	0	2	3	2	5	1.2	2.2	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	0	3	4	3	6	10	16	6.6	7.8	1.4	1.3	0	4	1	2	5	7	12	5.0	6.2		
a. Rhabdomyosarcoma	0	0	2	0	0	2	2	1.3	1.0	1.0	0.7	0	2	0	0	1	2	3	1.6	1.7		
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	1	2	1	3	0.6	1.3	1.0	3.0	0	1	0	0	0	1	1	0.8	0.6		
e. Unspecified	0	3	2	2	4	7	11	4.7	5.4	1.8	1.4	0	1	1	2	4	4	8	2.7	3.9		
X GERM CELL TUMOURS	0	2	0	0	1	2	3	1.5	1.6	2.0	1.0	0	0	0	1	2	1	3	0.6	1.4		
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Gonadal germ cell	0	2	0	0	1	2	3	1.5	1.6	2.0	1.0	0	0	0	1	2	1	3	0.6	1.4		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	2	1	6	4	11	13	24	8.5	11.4	3.3	2.0	1	1	0	2	8	4	12	2.8	5.8		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	1	0	0	1	1	0.7	0.5	-	1.0	0	0	0	0	1	0	1	-	0.5		
c. Nasopharyngeal	0	0	0	2	2	2	4	1.2	1.8	2.0	0.8	0	0	0	1	4	1	5	0.6	2.3		
d. Melanoma	0	0	0	0	1	0	1	-	0.4	-	-	0	0	0	0	0	0	0	-	-		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	2	1	5	2	8	10	18	6.7	8.7	3.3	3.0	1	1	0	1	3	3	6	2.2	3.0		
XII OTHER & UNSPECIFIED	0	1	0	1	2	2	4	1.3	1.9	0.4	0.6	1	2	2	0	2	5	7	3.7	3.8		
a. Other specified	0	0	0	0	1	0	1	-	0.4	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	1	0	1	1	2	3	1.3	1.5	0.4	0.4	1	2	2	0	2	5	7	3.7	3.8		
TOTAL	6	68	65	43	54	182	236	123.3	119.1	1.3	1.3	7	61	31	37	48	136	184	96.4	96.8		

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

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	103 658	99 518
	1-4	414 632	398 072
	5-9	485 875	468 500
	10-14	502 365	484 395
	15-19	515 220	489 975
Total	0-14	1 506 530	1 450 485
	0-19	2 021 750	1 940 460
Average annual population	0-14	251 088	241 748
	0-19	336 958	323 410

Please consult the quality indicators for this registry