

MOROCCO, Casablanca (2005-2012)

	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	0-19			0-14	0-19	
I LEUKAEMIA	2	47	55	41	77	145	222	14.6	100.0	14.8	100.0	3.8	22.2	21.4	15.0	26.9	18.4	20.3	275	409	100.0	0.0	
a. Lymphoid	2	37	35	25	39	99	138	9.9	68.3	9.2	62.2	3.8	17.5	13.6	9.2	13.6	12.8	13.0	188	256	100.0	0.0	
b. Acute myeloid	0	8	13	11	31	32	63	3.2	22.1	4.2	28.4	-	3.8	5.0	4.0	10.8	4.0	5.5	61	115	100.0	0.0	
c. CMD	0	0	2	3	5	5	10	0.5	3.4	0.7	4.5	-	-	0.8	1.1	1.7	0.6	0.8	9	18	100.0	0.0	
d. MDS & other	0	0	1	0	1	1	2	0.1	0.7	0.1	0.9	-	-	0.4	-	0.3	0.1	0.2	2	4	100.0	0.0	
e. Unspecified	0	2	4	2	1	8	9	0.8	5.5	0.6	4.1	-	0.9	1.6	0.7	0.3	1.0	0.9	15	17	100.0	0.0	
II LYMPHOMA & RELATED	4	28	67	67	138	166	304	16.7	100.0	20.3	100.0	7.6	13.3	26.0	24.5	48.2	20.2	26.5	313	554	100.0	0.0	
a. Hodgkin	0	10	28	34	80	72	152	7.2	43.4	10.2	50.0	-	4.7	10.9	12.4	27.9	8.6	12.9	136	275	100.0	0.0	
b. Non-Hodgkin except BL	3	6	17	22	45	48	93	4.8	28.9	6.2	30.6	5.7	2.8	6.6	8.1	15.7	5.8	8.0	90	169	100.0	0.0	
c. Burkitt (BL)	1	11	22	9	8	43	51	4.3	25.9	3.4	16.8	1.9	5.2	8.5	3.3	2.8	5.5	4.9	82	96	100.0	0.0	
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	1	0	2	5	3	8	0.3	1.8	0.5	2.6	-	0.5	-	0.7	1.7	0.4	0.7	6	14	100.0	0.0	
III CNS NEOPLASMS †	3	38	58	43	32	142	174	14.3	100.0	11.6	100.0	5.7	18.0	22.5	15.7	11.2	17.8	16.3	269	325	100.0	0.0	
a. Ependymoma	0	12	10	5	5	27	32	2.7	19.0	2.1	18.4	-	5.7	3.9	1.8	1.7	3.5	3.1	51	60	100.0	0.0	
b. Astrocytoma	0	4	16	16	13	36	49	3.6	25.4	3.3	28.2	-	1.9	6.2	5.9	4.5	4.3	4.3	68	91	100.0	0.0	
c. CNS embryonal	2	13	24	12	5	51	56	5.1	35.9	3.7	32.2	3.8	6.2	9.3	4.4	1.7	6.5	5.4	97	106	100.0	0.0	
d. Other gliomas	0	4	0	2	3	6	9	0.6	4.2	0.6	5.2	-	1.9	-	0.7	1.0	0.8	0.9	11	16	100.0	0.0	
e. Other specified	0	1	1	5	5	7	12	0.7	4.9	0.8	6.9	-	0.5	0.4	1.8	1.7	0.8	1.0	13	22	100.0	0.0	
f. Unspecified CNS	1	4	7	3	1	15	16	1.5	10.6	1.1	9.2	1.9	1.9	2.7	1.1	0.3	1.9	1.6	29	30	100.0	0.0	
IV NEUROBLASTOMA	3	38	17	9	4	67	71	6.7	100.0	4.7	100.0	5.7	18.0	6.6	3.3	1.4	9.1	7.4	127	134	100.0	0.0	
a. (Ganglio)neuroblastoma	3	38	17	9	4	67	71	6.7	100.0	4.7	100.0	5.7	18.0	6.6	3.3	1.4	9.1	7.4	127	134	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	4	54	6	1	0	65	65	6.5	100.0	4.3	100.0	7.6	25.6	2.3	0.4	-	9.4	7.3	123	123	100.0	0.0	
VI RENAL TUMOURS	4	51	32	5	3	92	95	9.2	100.0	6.4	100.0	7.6	24.1	12.4	1.8	1.0	12.6	10.0	175	181	100.0	0.0	
a. Nephroblastoma	3	46	29	5	2	83	85	8.3	90.2	5.7	89.5	5.7	21.8	11.3	1.8	0.7	11.3	9.0	158	162	100.0	0.0	
b. Renal carcinoma	1	4	2	0	1	7	8	0.7	7.6	0.5	8.4	1.9	1.9	0.8	-	0.3	1.0	0.8	13	15	100.0	0.0	
c. Unspecified	0	1	1	0	0	2	2	0.2	2.2	0.1	2.1	-	0.5	0.4	-	-	0.3	0.2	4	4	100.0	0.0	
VII HEPATIC TUMOURS	1	6	0	3	0	10	10	1.0	100.0	0.7	100.0	1.9	2.8	-	1.1	-	1.3	1.0	19	19	100.0	0.0	
a. Hepatoblastoma	1	6	0	0	0	7	7	0.7	70.0	0.5	70.0	1.9	2.8	-	-	-	1.0	0.8	13	13	100.0	0.0	
b. Hepatic carcinoma	0	0	0	3	0	3	3	0.3	30.0	0.2	30.0	-	-	-	1.1	-	0.3	0.2	5	5	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	1	5	22	48	71	76	147	7.6	100.0	9.8	100.0	1.9	2.4	8.5	17.6	24.8	8.7	12.4	142	266	100.0	0.0	
a. Osteosarcoma	0	2	5	22	47	29	76	2.9	38.2	5.1	51.7	-	0.9	1.9	8.1	16.4	3.3	6.2	54	136	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Ewing & related	1	2	16	20	19	39	58	3.9	51.3	3.9	39.5	1.9	0.9	6.2	7.3	6.6	4.6	5.0	73	107	100.0	0.0	
d. Other specified	0	1	1	0	2	2	4	0.2	2.6	0.3	2.7	-	0.5	0.4	-	0.7	0.3	0.4	4	7	100.0	0.0	
e. Unspecified	0	0	0	6	3	6	9	0.6	7.9	0.6	6.1	-	-	-	2.2	1.0	0.6	0.7	11	16	100.0	0.0	
IX SOFT TISSUE SARCOMA	1	31	20	29	43	81	124	8.1	100.0	8.3	100.0	1.9	14.7	7.8	10.6	15.0	10.3	11.3	153	228	100.0	0.0	
a. Rhabdomyosarcoma	1	21	16	14	5	52	57	5.2	64.2	3.8	46.0	1.9	9.9	6.2	5.1	1.7	6.7	5.6	98	107	100.0	0.0	
b. Fibrosarcoma	0	2	0	2	6	4	10	0.4	4.9	0.7	8.1	-	0.9	-	0.7	2.1	0.5	0.9	7	18	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.1	0.8	-	-	-	-	0.3	-	0.1	-	2	2	100.0	0.0
d. Other specified	0	3	2	9	21	14	35	1.4	17.3	2.3	28.2	-	1.4	0.8	3.3	7.3	1.6	2.9	26	63	100.0	0.0	
e. Unspecified	0	5	2	4	10	11	21	1.1	13.6	1.4	16.9	-	2.4	0.8	1.5	3.5	1.4	1.9	21	38	100.0	0.0	
X GERM CELL TUMOURS	1	10	0	5	15	16	31	1.6	100.0	2.1	100.0	1.9	4.7	-	1.8	5.2	2.1	2.8	30	56	100.0	0.0	
a. CNS germ cell ‡	0	1	0	2	1	3	4	0.3	18.8	0.3	12.9	-	0.5	-	0.7	0.3	0.4	0.4	6	7	100.0	0.0	
b. Other extragonadal	0	5	0	1	3	6	9	0.6	37.5	0.6	29.0	-	2.4	-	0.4	1.0	0.8	0.9	11	17	100.0	0.0	
c. Gonadal germ cell	0	4	0	2	3	6	9	0.6	37.5	0.6	29.0	-	1.9	-	0.7	1.0	0.8	0.9	11	16	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	4	0	4	-	-	0.3	12.9	-	-	-	1.4	-	0.3	-	7	7	100.0	0.0	
e. Unspecified gonadal	1	0	0	0	4	1	5	0.1	6.3	0.3	16.1	1.9	-	-	-	1.4	0.1	0.4	2	9	100.0	0.0	
XI CARCINOMA & MELANOMA	12	6	16	56	100	90	190	9.0	100.0	12.7	100.0	22.7	2.8	6.2	20.5	34.9	10.6	16.1	168	342	100.0	0.0	
a. Adrenocortical	0	0	0	1	0	1	1	0.1	1.1	0.1	0.5	-	-	-	0.4	-	0.1	0.1	2	2	100.0	0.0	
b. Thyroid	0	1	3	3	19	7	26	0.7	7.8	1.7	13.7	-	0.5	1.2	1.1	6.6	0.8	2.1	13	46	100.0	0.0	
c. Nasopharyngeal	1	0	1	25	33	27	60	2.7	30.0	4.0	31.6	1.9	-	0.4	9.2	11.5	2.9	4.9	50	107	100.0	0.0	
d. Melanoma	0	0	0	0	5	0	5	-	-	0.3	2.6	-	-	-	1.7	-	0.4	-	9	9	100.0	0.0	
e. Skin carcinoma	1	4	10	21	19	36	55	3.6	40.0	3.7	28.9	1.9	1.9	3.9	7.7	6.6	4.2	4.8	67	101	100.0	0.0	
f. Other & unspecified	10	1	2	6	24	19	43	1.9	21.1	2.9	22.6	18.9	0.5	0.8	2.2	8.4	2.5	3.8	36	78	100.0	0.0	
XII OTHER & UNSPECIFIED	5	12	8	21	17	46	63	4.6	100.0	4.2	100.0	9.5	5.7	3.1	7.7	5.9	5.7	5.8	86	116	100.0	0.0	
a. Other specified	0	0	0	1	0	1	1	0.1	2.2	0.1	1.6	-	-	-	0.4	-	0.1	0.1	2	2	100.0	0.0	
b. Other unspecified	5	12	8	20	17	45	62	4.5	97.8	4.1	98.4	9.5	5.7	3.1	7.3	5.9	5.6	5.7	84	114	100.0	0.0	
TOTAL	41	326	301	328	500	996	1496	100.0	100.0	100.0	100.0	77.6	154.3	116.9	120.1	174.7	126.4	137.2	1880	2753	100.0	0.0	

† includes 24 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

MOROCCO, Casablanca (2005-2012)

	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	2	32	35	25	50	94	144	23.7	26.3	1.8	1.8	0	15	20	16	27	51	78	13.0	14.3		
a. Lymphoid	2	25	23	20	24	70	94	17.7	17.5	2.4	2.1	0	12	12	5	15	29	44	7.7	8.3		
b. Acute myeloid	0	5	7	3	23	15	38	3.8	6.6	0.9	1.5	0	3	6	8	8	17	25	4.1	4.5		
c. CMD	0	0	1	1	3	2	5	0.5	0.8	0.7	1.0	0	0	1	2	2	3	5	0.7	0.8		
d. MDS & other	0	0	1	0	0	1	1	0.2	0.2	-	1.0	0	0	0	0	1	0	1	-	0.2		
e. Unspecified	0	2	3	1	0	6	6	1.5	1.2	3.0	2.0	0	0	1	1	1	2	3	0.5	0.5		
II LYMPHOMA & RELATED	3	20	49	35	72	107	179	26.1	31.6	1.8	1.4	1	8	18	32	66	59	125	14.1	21.3		
a. Hodgkin	0	8	18	14	27	40	67	9.7	11.8	1.3	0.8	0	2	10	20	53	32	85	7.4	14.1		
b. Non-Hodgkin except BL	2	4	12	13	34	31	65	7.4	11.1	1.8	2.3	1	2	5	9	11	17	28	4.1	4.9		
c. Burkitt (BL)	1	8	19	8	7	36	43	9.0	8.1	5.1	5.4	0	3	3	1	1	7	8	1.9	1.6		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	4	0	4	-	0.6	0.0	1.0	0	1	0	2	1	3	4	0.7	0.7		
III CNS NEOPLASMS †	3	26	40	23	15	92	107	23.1	20.3	1.8	1.6	0	12	18	20	17	50	67	12.4	12.3		
a. Ependymoma	0	9	7	3	2	19	21	5.0	4.2	2.4	1.9	0	3	3	2	3	8	11	2.1	2.1		
b. Astrocytoma	0	2	13	6	7	21	28	5.1	5.0	1.4	1.3	0	2	3	10	6	15	21	3.5	3.6		
c. CNS embryonal	2	9	15	7	1	33	34	8.4	6.6	1.8	1.5	0	4	9	5	4	18	22	4.5	4.2		
d. Other gliomas	0	3	0	2	1	5	6	1.3	1.2	5.0	2.0	0	1	0	0	2	1	3	0.3	0.5		
e. Other specified	0	0	0	2	3	2	5	0.4	0.8	0.4	0.7	0	1	1	3	2	5	7	1.2	1.2		
f. Unspecified CNS	1	3	5	3	1	12	13	3.0	2.5	4.0	4.3	0	1	2	0	0	3	3	0.8	0.6		
IV NEUROBLASTOMA	3	20	13	7	1	43	44	11.3	8.9	1.8	1.6	0	18	4	2	3	24	27	6.8	5.8		
a. (Ganglioneuroblastoma	3	20	13	7	1	43	44	11.3	8.9	1.8	1.6	0	18	4	2	3	24	27	6.8	5.8		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	3	25	5	1	0	34	34	9.5	7.4	1.1	1.1	1	29	1	0	0	31	31	9.2	7.1		
VI RENAL TUMOURS	1	19	12	2	2	34	36	9.1	7.4	0.6	0.6	3	32	20	3	1	58	59	16.2	12.7		
a. Nephroblastoma	1	19	12	2	2	34	36	9.1	7.4	0.7	0.7	2	27	17	3	0	49	49	13.6	10.6		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	1	4	2	0	1	7	8	2.0	1.7		
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	1	0	0	2	2	0.6	0.4		
VII HEPATIC TUMOURS	0	4	0	3	0	7	7	1.8	1.4	2.3	2.3	1	2	0	0	0	3	3	0.9	0.7		
a. Hepatoblastoma	0	4	0	0	0	4	4	1.2	0.9	1.3	1.3	1	2	0	0	0	3	3	0.9	0.7		
b. Hepatic carcinoma	0	0	0	3	0	3	3	0.6	0.5	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	1	3	10	30	41	44	85	10.0	14.2	1.4	1.4	0	2	12	18	30	32	62	7.5	10.5		
a. Osteosarcoma	0	1	2	15	32	18	50	4.0	8.1	1.6	1.9	0	1	3	7	15	11	26	2.6	4.3		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	1	1	7	12	6	21	27	4.8	4.7	1.2	0.9	0	1	9	8	13	18	31	4.3	5.4		
d. Other specified	0	1	1	0	2	2	4	0.5	0.7	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	3	1	3	4	0.6	0.6	1.0	0.8	0	0	0	3	2	3	5	0.6	0.8		
IX SOFT TISSUE SARCOMA	1	14	15	19	28	49	77	12.0	13.7	1.5	1.6	0	17	5	10	15	32	47	8.5	8.9		
a. Rhabdomyosarcoma	1	11	13	9	2	34	36	8.6	7.0	1.9	1.7	0	10	3	5	3	18	21	4.8	4.2		
b. Fibrosarcoma	0	1	0	1	4	2	6	0.5	1.0	1.0	1.5	0	1	0	1	2	2	4	0.5	0.7		
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.2	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	2	0	7	14	9	23	2.1	3.8	1.8	1.9	0	1	2	2	7	5	12	1.2	2.1		
e. Unspecified	0	0	2	2	7	4	11	0.9	1.8	0.6	1.1	0	5	0	2	3	7	10	1.9	2.0		
X GERM CELL TUMOURS	0	4	0	2	3	6	9	1.6	1.7	0.6	0.4	1	6	0	3	12	10	22	2.7	4.0		
a. CNS germ cell ‡	0	0	0	2	1	2	3	0.4	0.5	2.0	3.0	0	1	0	0	0	1	1	0.3	0.2		
b. Other extragonadal	0	1	0	0	0	1	1	0.3	0.2	0.2	0.1	0	4	0	1	3	5	8	1.4	1.6		
c. Gonadal germ cell	0	3	0	0	1	3	4	0.9	0.8	1.0	0.8	0	1	0	2	2	3	5	0.7	0.9		
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.2	-	0.3	0	0	0	0	3	0	3	-	0.5		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	4	1	5	0.3	0.9		
XI CARCINOMA & MELANOMA	6	2	5	30	48	43	91	9.9	15.2	0.9	0.9	6	4	11	26	52	47	99	11.3	16.9		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.2	0.2		
b. Thyroid	0	0	0	0	2	0	2	-	0.3	0.0	0.1	0	1	3	3	17	7	24	1.7	4.0		
c. Nasopharyngeal	0	0	1	15	23	16	39	3.4	6.3	1.5	1.9	1	0	0	10	10	11	21	2.4	3.5		
d. Melanoma	0	0	0	0	4	0	4	-	0.6	-	4.0	0	0	0	0	1	0	1	-	0.2		
e. Skin carcinoma	1	1	4	12	10	18	28	4.1	4.8	1.0	1.0	0	3	6	9	9	18	27	4.3	4.8		
f. Other & unspecified	5	1	0	3	9	9	18	2.4	3.2	0.9	0.7	5	0	2	3	15	10	25	2.6	4.4		
XII OTHER & UNSPECIFIED	2	9	4	12	7	27	34	6.7	6.3	1.4	1.2	3	3	4	9	10	19	29	4.7	5.2		
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.2	0.2		
b. Other unspecified	2	9	4	12	7	27	34	6.7	6.3	1.5	1.2	3	3	4	8	10	18	28	4.5	5.1		
TOTAL	25	178	188	189	267	580	847	144.9	154.3	1.4	1.3	16	148	113	139	233	416	649	107.4	119.8		

† includes 9 non-malignant in males and 15 non-malignant in females ‡ includes 1 non-malignant in males

Please consult the quality indicators for this registry

MOROCCO, Casablanca (2005-2012)

	Age group	Males	Females
Person-years	0	269 212	258 982
	1-4	1 076 848	1 035 928
	5-9	1 303 960	1 271 030
	10-14	1 370 705	1 360 550
	15-19	1 429 165	1 433 480
Total	0-14	4 020 725	3 926 490
	0-19	5 449 890	5 359 970
Average annual population	0-14	502 591	490 811
	0-19	681 236	669 996

Please consult the quality indicators for this registry