

BAHRAIN (1998-2012)

	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	ASR			0-19	0-14
I LEUKAEMIA	9	58	35	30	25	132	157	36.1	100.0	32.6	100.0	41.6	66.8	33.2	30.2	27.2	43.4	39.7	626	762	96.2	0.0
a. Lymphoid	2	35	22	16	11	75	86	20.5	56.8	17.9	54.8	9.2	40.3	20.8	16.1	12.0	24.6	21.8	355	415	100.0	0.0
b. Acute myeloid	4	10	3	4	8	21	29	5.7	15.9	6.0	18.5	18.5	11.5	2.8	4.0	8.7	7.1	7.4	99	142	100.0	0.0
c. CMD	0	0	1	0	1	1	2	0.3	0.8	0.4	1.3	-	-	0.9	-	1.1	0.3	0.5	5	10	100.0	0.0
d. MDS & other	1	1	0	0	0	2	2	0.5	1.5	0.4	1.3	4.6	1.2	-	-	-	0.7	0.6	9	9	50.0	0.0
e. Unspecified	2	12	9	10	5	33	38	9.0	25.0	7.9	24.2	9.2	13.8	8.5	10.1	5.4	10.7	9.5	158	185	86.8	0.0
II LYMPHOMA & RELATED	1	11	21	20	39	53	92	14.5	100.0	19.1	100.0	4.6	12.7	19.9	20.2	42.5	16.6	22.4	256	468	100.0	0.0
a. Hodgkin	0	2	13	11	23	26	49	7.1	49.1	10.2	53.3	-	2.3	12.3	11.1	25.0	7.9	11.8	126	251	100.0	0.0
b. Non-Hodgkin except BL	0	2	3	6	10	11	21	3.0	20.8	4.4	22.8	-	2.3	2.8	6.0	10.9	3.4	5.1	54	108	100.0	0.0
c. Burkitt (BL)	0	3	4	2	2	9	11	2.5	17.0	2.3	12.0	-	3.5	3.8	2.0	2.2	2.9	2.7	43	54	100.0	0.0
d. Lymphoreticular	1	4	1	1	0	7	7	1.9	13.2	1.5	7.6	4.6	4.6	0.9	1.0	-	2.4	1.8	33	33	100.0	0.0
e. Unspecified	0	0	0	0	4	0	4	-	-	0.8	4.3	-	-	-	-	4.4	-	1.0	-	22	100.0	0.0
III CNS NEOPLASMS †	3	17	16	23	12	59	71	16.1	100.0	14.8	100.0	13.9	19.6	15.2	23.2	13.1	18.8	17.5	284	349	77.5	1.4
a. Ependymoma	1	5	0	0	0	6	6	1.6	10.2	1.2	8.5	4.6	5.8	-	-	-	2.1	1.7	28	28	100.0	0.0
b. Astrocytoma	1	1	6	9	5	17	22	4.6	28.8	4.6	31.0	4.6	1.2	5.7	9.1	5.4	5.2	5.2	83	110	95.5	0.0
c. CNS embryonal	0	4	2	6	2	12	14	3.3	20.3	2.9	19.7	-	4.6	1.9	6.0	2.2	3.8	3.4	58	69	100.0	0.0
d. Other gliomas	0	3	4	2	2	9	11	2.5	15.3	2.3	15.5	-	3.5	3.8	2.0	2.2	2.9	2.7	43	54	54.5	0.0
e. Other specified	0	2	2	1	0	5	5	1.4	8.5	1.0	7.0	-	2.3	1.9	1.0	-	1.6	1.3	24	24	100.0	0.0
f. Unspecified CNS	1	2	2	5	3	10	13	2.7	16.9	2.7	18.3	4.6	2.3	1.9	5.0	3.3	3.1	3.2	49	65	23.1	7.7
IV NEUROBLASTOMA	11	10	6	1	0	28	28	7.7	100.0	5.8	100.0	50.8	11.5	5.7	1.0	-	9.6	7.5	130	130	89.3	0.0
a. (Ganglio)neuroblastoma	11	10	6	1	0	28	28	7.7	100.0	5.8	100.0	50.8	11.5	5.7	1.0	-	9.6	7.5	130	130	89.3	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	2	2	2	0	1	6	7	1.6	100.0	1.5	100.0	9.2	2.3	1.9	-	1.1	2.0	1.8	28	33	28.6	0.0
VI RENAL TUMOURS	3	17	3	1	0	24	24	6.6	100.0	5.0	100.0	13.9	19.6	2.8	1.0	-	8.3	6.5	111	111	95.8	0.0
a. Nephroblastoma	2	17	3	0	0	22	22	6.0	91.7	4.6	91.7	9.2	19.6	2.8	-	-	7.7	6.0	102	102	95.5	0.0
b. Renal carcinoma	1	0	0	1	0	2	2	0.5	8.3	0.4	8.3	4.6	-	-	1.0	-	0.6	0.5	10	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	0	1	0	1	0	2	2	0.5	100.0	0.4	100.0	-	1.2	-	1.0	-	0.6	0.5	10	10	100.0	0.0
a. Hepatoblastoma	0	1	0	0	0	1	1	0.3	50.0	0.2	50.0	-	1.2	-	-	-	0.4	0.3	5	5	100.0	0.0
b. Hepatic carcinoma	0	0	0	1	0	1	1	0.3	50.0	0.2	50.0	-	-	-	1.0	-	0.3	0.2	5	5	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	2	3	13	10	18	28	4.9	100.0	5.8	100.0	-	2.3	2.8	13.1	10.9	5.4	6.7	89	143	100.0	0.0
a. Osteosarcoma	0	1	0	6	4	7	11	1.9	38.9	2.3	39.3	-	1.2	-	6.0	4.4	2.1	2.6	35	57	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	0	3	7	5	10	15	2.7	55.6	3.1	53.6	-	-	2.8	7.1	5.4	3.0	3.5	49	77	100.0	0.0
d. Other specified	0	1	0	0	1	1	2	0.3	5.6	0.4	7.1	-	1.2	-	-	1.1	0.4	0.5	5	10	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	1	8	4	9	9	22	31	6.0	100.0	6.4	100.0	4.6	9.2	3.8	9.1	9.8	7.1	7.7	106	155	96.8	0.0
a. Rhabdomyosarcoma	0	5	3	2	0	10	10	2.7	45.5	2.1	32.3	-	5.8	2.8	2.0	-	3.3	2.5	47	47	100.0	0.0
b. Fibrosarcoma	0	0	1	0	1	1	2	0.3	4.5	0.4	6.5	-	-	0.9	-	1.1	0.3	0.5	5	10	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	3	0	5	5	8	13	2.2	36.4	2.7	41.9	-	3.5	-	5.0	5.4	2.5	3.2	39	66	100.0	0.0
e. Unspecified	1	0	0	2	3	3	6	0.8	13.6	1.2	19.4	4.6	-	-	2.0	3.3	0.9	1.5	15	31	83.3	0.0
X GERM CELL TUMOURS	3	3	2	9	6	17	23	4.6	100.0	4.8	100.0	13.9	3.5	1.9	9.1	6.5	5.4	5.6	82	115	100.0	0.0
a. CNS germ cell	0	0	1	5	0	6	6	1.6	35.3	1.2	26.1	-	-	0.9	5.0	-	1.8	1.4	30	30	100.0	0.0
b. Other extragonadal	2	1	0	0	1	3	4	0.8	17.6	0.8	17.4	9.2	1.2	-	-	1.1	1.1	1.1	14	19	100.0	0.0
c. Gonadal germ cell	1	2	1	3	3	7	10	1.9	41.2	2.1	43.5	4.6	2.3	0.9	3.0	3.3	2.3	2.5	34	50	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.2	4.3	-	-	-	-	1.1	-	0.2	-	5	100.0	0.0
e. Unspecified gonadal	0	0	0	1	1	1	2	0.3	5.9	0.4	8.7	-	-	-	1.0	1.1	0.3	0.5	5	10	100.0	0.0
XI CARCINOMA & MELANOMA	0	0	1	1	13	2	15	0.5	100.0	3.1	100.0	-	-	0.9	1.0	14.2	0.6	3.6	10	81	100.0	0.0
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Thyroid	0	0	0	0	9	0	9	-	-	1.9	60.0	-	-	-	-	9.8	-	2.2	-	49	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.2	6.7	-	-	-	-	1.1	-	0.2	-	5	100.0	0.0
f. Other & unspecified	0	0	1	1	3	2	5	0.5	100.0	1.0	33.3	-	-	0.9	1.0	3.3	0.6	1.2	10	26	100.0	0.0
XII OTHER & UNSPECIFIED	0	1	1	1	0	3	3	0.8	100.0	0.6	100.0	-	1.2	0.9	1.0	-	1.0	0.7	14	14	33.3	66.7
a. Other specified	0	1	0	0	0	1	1	0.3	33.3	0.2	33.3	-	1.2	-	-	-	0.4	0.3	5	5	100.0	0.0
b. Other unspecified	0	0	1	1	0	2	2	0.5	66.7	0.4	66.7	-	-	0.9	1.0	-	0.6	0.5	10	10	0.0	100.0
TOTAL	33	130	94	109	115	366	481	100.0	100.0	100.0	100.0	152.4	149.7	89.1	109.9	125.2	118.8	120.2	1746	2372	92.9	0.6

† includes 17 non-malignant

Please consult the quality indicators for this registry

BAHRAIN (1998-2012)

	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	38	23	16	14	78	92	50.1	45.5	1.4	1.4	8	20	12	14	11	54	65	36.3	33.7		
a. Lymphoid	0	24	13	9	4	46	50	29.7	24.9	1.6	1.4	2	11	9	7	7	29	36	19.3	18.5		
b. Acute myeloid	1	7	1	4	5	13	18	8.5	8.9	1.6	1.6	3	3	2	0	3	8	11	5.6	5.9		
c. CMD	0	0	1	0	1	1	2	0.6	0.9	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	0	1	0	0	0	1	1	0.7	0.5	1.0	1.0	1	0	0	0	0	1	1	0.7	0.6		
e. Unspecified	0	6	8	3	4	17	21	10.7	10.2	1.1	1.2	2	6	1	7	1	16	17	10.7	8.8		
II LYMPHOMA & RELATED	0	8	13	15	19	36	55	21.9	26.0	2.1	1.5	1	3	8	5	20	17	37	10.9	18.6		
a. Hodgkin	0	2	8	9	11	19	30	11.3	14.0	2.7	1.6	0	0	5	2	12	7	19	4.3	9.4		
b. Non-Hodgkin except BL	0	2	1	3	5	6	11	3.7	5.2	1.2	1.1	0	0	2	3	5	5	10	3.1	4.9		
c. Burkitt (BL)	0	1	3	2	1	6	7	3.6	3.3	2.0	1.8	0	2	1	0	1	3	4	2.1	2.1		
d. Lymphoreticular	0	3	1	1	0	5	5	3.3	2.5	2.5	2.5	1	1	0	0	0	2	2	1.5	1.1		
e. Unspecified	0	0	0	0	2	0	2	-	1.0	-	1.0	0	0	0	0	2	0	2	-	1.0		
III CNS NEOPLASMS †	2	8	11	12	7	33	40	20.4	19.1	1.3	1.3	1	9	5	11	5	26	31	17.0	15.7		
a. Ependymoma	1	2	0	0	0	3	3	2.1	1.6	1.0	1.0	0	3	0	0	0	3	3	2.2	1.7		
b. Astrocytoma	1	1	3	6	2	11	13	6.6	6.1	1.8	1.4	0	0	3	3	3	6	9	3.7	4.4		
c. CNS embryonal	0	1	2	3	2	6	8	3.6	3.7	1.0	1.3	0	3	0	3	0	6	6	4.0	3.1		
d. Other gliomas	0	2	2	1	2	5	7	3.2	3.4	1.3	1.8	0	1	2	1	0	4	4	2.6	2.0		
e. Other specified	0	1	2	0	0	3	3	1.9	1.5	1.5	1.5	0	1	0	1	0	2	2	1.3	1.0		
f. Unspecified CNS	0	1	2	2	1	5	6	3.0	2.8	1.0	0.9	1	1	0	3	2	5	7	3.3	3.5		
IV NEUROBLASTOMA	5	6	5	1	0	17	17	11.2	8.7	1.5	1.5	6	4	1	0	0	11	11	7.9	6.1		
a. (Ganglio)neuroblastoma	5	6	5	1	0	17	17	11.2	8.7	1.5	1.5	6	4	1	0	0	11	11	7.9	6.1		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	1	2	1	0	0	4	4	2.7	2.1	2.0	1.3	1	0	1	0	1	2	3	1.4	1.6		
VI RENAL TUMOURS	1	8	2	1	0	12	12	8.1	6.2	1.0	1.0	2	9	1	0	0	12	12	8.6	6.7		
a. Nephroblastoma	0	8	2	0	0	10	10	6.8	5.3	0.8	0.8	2	9	1	0	0	12	12	8.6	6.7		
b. Renal carcinoma	1	0	0	1	0	2	2	1.3	1.0	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	1	0	0	0	1	1	0.7	0.5	1.0	1.0	0	0	0	1	0	1	1	0.6	0.5		
a. Hepatoblastoma	0	1	0	0	0	1	1	0.7	0.5	-	-	0	0	0	0	0	0	0	-	-		
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.6	0.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	1	3	8	7	12	19	7.0	8.8	2.0	2.1	0	1	0	5	3	6	9	3.7	4.4		
a. Osteosarcoma	0	1	0	4	3	5	8	3.0	3.7	2.5	2.7	0	0	0	2	1	2	3	1.2	1.4		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	3	4	3	7	10	4.1	4.6	2.3	2.0	0	0	0	3	2	3	5	1.8	2.4		
d. Other specified	0	0	0	0	1	0	1	-	0.5	0.0	1.0	0	1	0	0	0	1	1	0.7	0.6		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	0	6	3	2	5	11	16	7.1	7.9	1.0	1.1	1	2	1	7	4	11	15	7.0	7.5		
a. Rhabdomyosarcoma	0	4	3	2	0	9	9	5.7	4.4	9.0	9.0	0	1	0	0	0	1	1	0.7	0.6		
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.5	0.0	1.0	0	0	1	0	0	1	1	0.6	0.5		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	2	0	0	3	2	5	1.4	2.5	0.3	0.6	0	1	0	5	2	6	8	3.7	3.9		
e. Unspecified	0	0	0	0	1	0	1	-	0.5	0.0	0.2	1	0	0	2	2	3	5	1.9	2.5		
X GERM CELL TUMOURS	2	2	0	6	2	10	12	6.2	5.8	1.4	1.1	1	1	2	3	4	7	11	4.5	5.5		
a. CNS germ cell	0	0	0	5	0	5	5	2.8	2.2	5.0	5.0	0	0	1	0	0	1	1	0.6	0.5		
b. Other extragonadal	1	1	0	0	1	2	3	1.4	1.6	2.0	3.0	1	0	0	0	0	1	1	0.7	0.6		
c. Gonadal germ cell	1	1	0	1	1	3	4	2.0	2.0	0.8	0.7	0	1	1	2	2	4	6	2.6	3.0		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.5		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.6	1.0		
XI CARCINOMA & MELANOMA	0	0	0	0	1	0	1	-	0.5	0.0	0.1	0	0	1	1	12	2	14	1.2	7.0		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	9	0	9	-	4.5		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.5		
f. Other & unspecified	0	0	0	0	1	0	1	-	0.5	0.0	0.3	0	0	1	1	2	2	4	1.2	2.0		
XII OTHER & UNSPECIFIED	0	1	1	0	0	2	2	1.3	1.0	2.0	2.0	0	0	0	1	0	1	1	0.6	0.5		
a. Other specified	0	1	0	0	0	1	1	0.7	0.5	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	1	0	0	1	1	0.6	0.5	1.0	1.0	0	0	0	1	0	1	1	0.6	0.5		
TOTAL	12	81	62	61	55	216	271	136.8	132.2	1.4	1.3	21	49	32	48	60	150	210	99.9	107.8		

† includes 7 non-malignant in males and 10 non-malignant in females

Please consult the quality indicators for this registry

BAHRAIN (1998-2012)

	Age group	Males	Females
Person-years	0	110 555	105 935
	1-4	443 315	425 067
	5-9	538 904	516 428
	10-14	510 185	481 934
	15-19	473 121	445 215
Total	0-14	1 602 959	1 529 364
	0-19	2 076 080	1 974 579
Average annual population	0-14	106 864	101 958
	0-19	138 405	131 639

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