

SAUDI-ARABIA, Riyadh (1994-2012)

	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	81	641	410	292	282	1424	1706	36.3	100.0	32.1	100.0	35.1	66.0	36.0	28.6	32.4	43.2	40.8	623	786	99.1	0.5
a. Lymphoid	38	530	320	189	159	1077	1236	27.5	75.6	23.2	72.5	16.5	54.6	28.1	18.5	18.3	32.7	29.5	469	561	99.4	0.2
b. Acute myeloid	25	82	66	80	85	253	338	6.5	17.8	6.4	19.8	10.8	8.4	5.8	7.8	9.8	7.6	8.1	113	162	99.4	0.0
c. CMD	2	5	8	15	25	30	55	0.8	2.1	1.0	3.2	0.9	0.5	0.7	1.5	2.9	0.9	1.3	14	28	98.2	0.0
d. MDS & other	8	14	2	3	3	27	30	0.7	1.9	0.6	1.8	3.5	1.4	0.2	0.3	0.3	0.9	0.7	11	13	100.0	0.0
e. Unspecified	8	10	14	5	10	37	47	0.9	2.6	0.9	2.8	3.5	1.0	1.2	0.5	1.2	1.1	1.1	16	22	89.4	10.6
II LYMPHOMA & RELATED	9	120	228	285	410	642	1052	16.4	100.0	19.8	100.0	3.9	12.4	20.0	27.9	47.2	18.7	25.1	293	529	99.6	0.0
a. Hodgkin	2	37	107	185	270	331	601	8.4	51.6	11.3	57.1	0.9	3.8	9.4	18.1	31.1	9.6	14.4	154	309	100.0	0.0
b. Non-Hodgkin except BL	0	30	78	70	119	178	297	4.5	27.7	5.6	28.2	-	3.1	6.8	6.9	13.7	5.2	7.1	81	149	99.3	0.0
c. Burkitt (BL)	1	45	39	24	12	109	121	2.8	17.0	2.3	11.5	0.4	4.6	3.4	2.4	1.4	3.3	2.8	48	55	100.0	0.0
d. Lymphoreticular	5	7	0	1	1	13	14	0.3	2.0	0.3	1.3	2.2	0.7	-	0.1	0.1	0.4	0.3	5	6	85.7	0.0
e. Unspecified	1	1	4	5	8	11	19	0.3	1.7	0.4	1.8	0.4	0.1	0.4	0.5	0.9	0.3	0.5	5	10	100.0	0.0
III CNS NEOPLASMS	25	164	202	132	90	523	613	13.3	100.0	11.5	100.0	10.8	16.9	17.7	12.9	10.4	15.6	14.4	232	284	88.7	0.7
a. Ependymoma	7	24	13	11	9	55	64	1.4	10.5	1.2	10.4	3.0	2.5	1.1	1.1	1.0	1.7	1.5	24	29	98.4	0.0
b. Astrocytoma	9	26	32	38	34	105	139	2.7	20.1	2.6	22.7	3.9	2.7	2.8	3.7	3.9	3.1	3.3	47	67	90.6	0.7
c. CNS embryonal	7	86	111	47	23	251	274	6.4	48.0	5.2	44.7	3.0	8.9	9.7	4.6	2.6	7.5	6.4	110	124	98.5	0.0
d. Other gliomas	2	16	35	26	12	79	91	2.0	15.1	1.7	14.8	0.9	1.6	3.1	2.5	1.4	2.3	2.1	36	42	53.8	0.0
e. Other specified	0	6	4	6	6	16	22	0.4	3.1	0.4	3.6	-	0.6	0.4	0.6	0.7	0.5	0.5	7	11	100.0	0.0
f. Unspecified CNS	0	6	7	4	6	17	23	0.4	3.3	0.4	3.8	-	0.6	0.6	0.4	0.7	0.5	0.5	8	11	60.9	13.0
IV NEUROBLASTOMA	56	115	23	4	6	198	204	5.0	100.0	3.8	100.0	24.3	11.8	2.0	0.4	0.7	6.3	5.0	83	87	97.1	0.0
a. (Ganglio)neuroblastoma	56	115	23	4	5	198	203	5.0	100.0	3.8	99.5	24.3	11.8	2.0	0.4	0.6	6.3	5.0	83	86	97.0	0.0
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.0	0.5	-	-	-	-	0.1	-	0.0	-	1	100.0	0.0
V RETINOBLASTOMA	67	133	8	3	0	211	211	5.4	100.0	4.0	100.0	29.0	13.7	0.7	0.3	-	6.8	5.2	88	88	87.7	0.0
VI RENAL TUMOURS	21	135	34	6	5	196	201	5.0	100.0	3.8	100.0	9.1	13.9	3.0	0.6	0.6	6.2	4.9	83	86	95.5	0.5
a. Nephroblastoma	21	134	33	5	0	193	193	4.9	98.5	3.6	96.0	9.1	13.8	2.9	0.5	-	6.1	4.7	81	81	95.3	0.5
b. Renal carcinoma	0	1	1	1	5	3	8	0.1	1.5	0.2	4.0	-	0.1	0.1	0.1	0.6	0.1	0.2	1	4	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	16	34	6	8	10	64	74	1.6	100.0	1.4	100.0	6.9	3.5	0.5	0.8	1.2	2.0	1.8	27	33	86.5	1.4
a. Hepatoblastoma	15	26	3	1	0	45	45	1.1	70.3	0.8	60.8	6.5	2.7	0.3	0.1	-	1.4	1.1	19	19	100.0	0.0
b. Hepatic carcinoma	1	8	3	6	8	18	26	0.5	28.1	0.5	35.1	0.4	0.8	0.3	0.6	0.9	0.5	0.6	8	13	69.2	0.0
c. Unspecified	0	0	0	1	2	1	3	0.0	1.6	0.1	4.1	-	-	-	0.1	0.2	0.0	0.1	0	2	33.3	33.3
VIII BONE TUMOURS	1	22	60	118	139	201	340	5.1	100.0	6.4	100.0	0.4	2.3	5.3	11.6	16.0	5.8	8.1	94	174	98.8	0.0
a. Osteosarcoma	0	7	27	75	78	109	187	2.8	54.2	3.5	55.0	-	0.7	2.4	7.4	9.0	3.1	4.4	52	96	98.9	0.0
b. Chondrosarcoma	0	0	0	0	7	0	7	-	-	0.1	2.1	-	-	-	-	0.8	-	0.2	-	4	100.0	0.0
c. Ewing & related	1	13	29	40	47	83	130	2.1	41.3	2.4	38.2	0.4	1.3	2.5	3.9	5.4	2.4	3.1	38	65	100.0	0.0
d. Other specified	0	1	2	3	4	6	10	0.2	3.0	0.2	2.9	-	0.1	0.2	0.3	0.5	0.2	0.2	3	5	100.0	0.0
e. Unspecified	0	1	2	0	3	3	6	0.1	1.5	0.1	1.8	-	0.1	0.2	-	0.3	0.1	0.1	1	3	66.7	0.0
IX SOFT TISSUE SARCOMA	18	74	58	59	106	209	315	5.3	100.0	5.9	100.0	7.8	7.6	5.1	5.8	12.2	6.3	7.6	93	154	99.0	0.0
a. Rhabdomyosarcoma	6	55	35	21	18	117	135	3.0	56.0	2.5	42.9	2.6	5.7	3.1	2.1	2.1	3.6	3.2	51	61	99.3	0.0
b. Fibrosarcoma	7	4	2	4	13	17	30	0.4	8.1	0.6	9.5	3.0	0.4	0.2	0.4	1.5	0.5	0.7	7	15	100.0	0.0
c. Kaposi sarcoma	0	1	0	0	0	1	1	0.0	0.5	0.0	0.3	-	0.1	-	-	-	0.0	0.0	0	0	100.0	0.0
d. Other specified	3	9	16	27	65	55	120	1.4	26.3	2.3	38.1	1.3	0.9	1.4	2.6	7.5	1.6	2.9	25	63	99.2	0.0
e. Unspecified	2	5	5	7	10	19	29	0.5	9.1	0.5	9.2	0.9	0.5	0.4	0.7	1.2	0.6	0.7	9	14	96.6	0.0
X GERM CELL TUMOURS	21	29	16	39	80	105	185	2.7	100.0	3.5	100.0	9.1	3.0	1.4	3.8	9.2	3.2	4.5	47	93	98.9	0.0
a. CNS germ cell	3	0	6	13	6	22	28	0.6	21.0	0.5	15.1	1.3	-	0.5	1.3	0.7	0.6	0.6	10	14	100.0	0.0
b. Other extragonadal	10	13	0	1	11	24	35	0.6	22.9	0.7	18.9	4.3	1.3	-	0.1	1.3	0.8	0.9	10	16	97.1	0.0
c. Gonadal germ cell	8	16	10	24	53	58	111	1.5	55.2	2.1	60.0	3.5	1.6	0.9	2.4	6.1	1.7	2.7	26	57	99.1	0.0
d. Gonadal carcinoma	0	0	0	1	8	1	9	0.0	1.0	0.2	4.9	-	-	-	0.1	0.9	0.0	0.2	0	5	100.0	0.0
e. Unspecified gonadal	0	0	0	0	2	0	2	-	-	0.0	1.1	-	-	-	-	0.2	-	0.1	-	1	100.0	0.0
XI CARCINOMA & MELANOMA	4	13	28	87	257	132	389	3.4	100.0	7.3	100.0	1.7	1.3	2.5	8.5	29.6	3.8	9.6	62	210	100.0	0.0
a. Adrenocortical	0	2	3	2	2	7	9	0.2	5.3	0.2	2.3	-	0.2	0.3	0.2	0.2	0.2	0.2	3	4	100.0	0.0
b. Thyroid	0	0	8	29	134	37	171	0.9	28.0	3.2	44.0	-	-	0.7	2.8	15.4	1.1	4.3	18	95	100.0	0.0
c. Nasopharyngeal	0	0	0	23	48	23	71	0.6	17.4	1.3	18.3	-	-	-	2.3	5.5	0.7	1.8	11	39	100.0	0.0
d. Melanoma	1	2	0	2	2	5	7	0.1	3.8	0.1	1.8	0.4	0.2	-	0.2	0.2	0.2	0.2	2	3	100.0	0.0
e. Skin carcinoma	1	1	7	8	10	17	27	0.4	12.9	0.5	6.9	0.4	0.1	0.6	0.8	1.2	0.5	0.6	8	14	100.0	0.0
f. Other & unspecified	2	8	10	23	61	43	104	1.1	32.6	2.0	26.7	0.9	0.8	0.9	2.3	7.0	1.3	2.6	20	55	100.0	0.0
XII OTHER & UNSPECIFIED	2	6	4	4	11	16	27	0.4	100.0	0.5	100.0	0.9	0.6	0.4	0.4	1.3	0.5	0.7	7	13	66.7	18.5
a. Other specified	0	1	1	1	5	3	8	0.1	18.8	0.2	29.6	-	0.1	0.1	0.1	0.6	0.1	0.2	1	4	100.0	0.0
b. Other unspecified	2	5	3	3	6	13	19	0.3	81.3	0.4	70.4	0.9	0.5	0.3	0.3	0.7	0.4	0.5	6	9	52.6	26.3
TOTAL	321	1486	1077	1037	1396	3921	5317	100.0	100.0	100.0	100.0	139.1	153.0	94.5	101.7	160.6	118.2	127.7	1733	2536	97.0	0.4

Please consult the quality indicators for this registry

SAUDI-ARABIA, Riyadh (1994-2012)

	Males										M/F ratio		Females											
	Number of cases in age groups										0-14	0-19	Number of cases in age groups										0-14	0-19
	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	43	335	241	182	181	801	982	47.7	46.1	1.3	1.4	38	306	169	110	101	623	724	38.5	35.2				
a. Lymphoid	18	274	185	119	109	596	705	35.5	33.1	1.2	1.3	20	256	135	70	50	481	531	29.8	25.8				
b. Acute myeloid	16	44	38	50	51	148	199	8.7	9.4	1.4	1.4	9	38	28	30	34	105	139	6.4	6.8				
c. CMD	0	1	7	9	13	17	30	1.0	1.4	1.3	1.2	2	4	1	6	12	13	25	0.8	1.3				
d. MDS & other	7	11	1	2	3	21	24	1.3	1.2	3.5	4.0	1	3	1	1	0	6	6	0.4	0.3				
e. Unspecified	2	5	10	2	5	19	24	1.1	1.1	1.1	1.0	6	5	4	3	5	18	23	1.1	1.1				
II LYMPHOMA & RELATED	5	77	159	165	216	406	622	23.4	29.1	1.7	1.4	4	43	69	120	194	236	430	13.9	21.0				
a. Hodgkin	1	23	73	110	136	207	343	11.8	16.1	1.7	1.3	1	14	34	75	134	124	258	7.2	12.7				
b. Non-Hodgkin except BL	0	20	56	35	64	111	175	6.4	8.2	1.7	1.4	0	10	22	35	55	67	122	3.9	5.9				
c. Burkitt (BL)	1	30	27	16	9	74	83	4.4	3.8	2.1	2.2	0	15	12	8	3	35	38	2.1	1.8				
d. Lymphoreticular	3	4	0	0	1	7	8	0.4	0.4	1.2	1.3	2	3	0	1	0	6	6	0.4	0.3				
e. Unspecified	0	0	3	4	6	7	13	0.4	0.6	1.8	2.2	1	1	1	1	2	4	6	0.2	0.3				
III CNS NEOPLASMS	17	90	123	82	54	312	366	18.3	16.9	1.5	1.5	8	74	79	50	36	211	247	12.8	11.8				
a. Ependymoma	3	13	6	9	6	31	37	1.9	1.7	1.3	1.4	4	11	7	2	3	24	27	1.5	1.3				
b. Astrocytoma	5	14	20	21	22	60	82	3.5	3.8	1.3	1.4	4	12	12	17	12	45	57	2.7	2.7				
c. CNS embryonal	7	48	72	28	12	155	167	9.1	7.7	1.6	1.6	0	38	39	19	11	96	107	5.8	5.1				
d. Other gliomas	2	10	20	17	9	49	58	2.8	2.7	1.6	1.8	0	6	15	9	3	30	33	1.8	1.5				
e. Other specified	0	3	1	5	2	9	11	0.5	0.5	1.3	1.0	0	3	3	1	4	7	11	0.4	0.5				
f. Unspecified CNS	0	2	4	2	3	8	11	0.5	0.5	0.9	0.9	0	4	3	2	3	9	12	0.5	0.6				
IV NEUROBLASTOMA	27	60	9	2	4	98	102	6.1	4.9	1.0	1.0	29	55	14	2	2	100	102	6.4	5.1				
a. (Ganglio)neuroblastoma	27	60	9	2	3	98	101	6.1	4.9	1.0	1.0	29	55	14	2	2	100	102	6.4	5.1				
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
V RETINOBLASTOMA	30	64	6	1	0	101	101	6.3	4.9	0.9	0.9	37	69	2	2	0	110	110	7.2	5.6				
VI RENAL TUMOURS	8	57	15	5	2	85	87	5.2	4.2	0.8	0.8	13	78	19	1	3	111	114	7.1	5.7				
a. Nephroblastoma	8	57	15	5	0	85	85	5.2	4.1	0.8	0.8	13	77	18	0	0	108	108	6.9	5.4				
b. Renal carcinoma	0	0	0	0	2	0	2	-	0.1	0.0	0.3	0	1	1	1	3	3	6	0.2	0.3				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	9	23	5	5	4	42	46	2.6	2.2	1.9	1.6	7	11	1	3	6	22	28	1.4	1.4				
a. Hepatoblastoma	8	17	3	1	0	29	29	1.8	1.4	1.8	1.8	7	9	0	0	0	16	16	1.0	0.8				
b. Hepatic carcinoma	1	6	2	3	3	12	15	0.7	0.7	2.0	1.4	0	2	1	3	5	6	11	0.4	0.5				
c. Unspecified	0	0	0	1	1	1	2	0.1	0.1	-	2.0	0	0	0	0	1	0	1	-	0.1				
VIII BONE TUMOURS	0	11	37	63	99	111	210	6.3	9.9	1.2	1.6	1	11	23	55	40	90	130	5.3	6.2				
a. Osteosarcoma	0	5	15	39	53	59	112	3.4	5.3	1.2	1.5	0	2	12	36	25	50	75	2.9	3.6				
b. Chondrosarcoma	0	0	0	0	6	0	6	-	0.3	-	6.0	0	0	0	1	0	1	1	-	0.1				
c. Ewing & related	0	5	20	22	35	47	82	2.7	3.9	1.3	1.7	1	8	9	18	12	36	48	2.1	2.3				
d. Other specified	0	0	1	2	2	3	5	0.2	0.2	1.0	1.0	0	1	1	1	2	3	5	0.2	0.2				
e. Unspecified	0	1	1	0	3	2	5	0.1	0.2	2.0	5.0	0	0	1	0	0	1	1	0.1	0.0				
IX SOFT TISSUE SARCOMA	10	51	36	34	46	131	177	7.8	8.4	1.7	1.3	8	23	22	25	60	78	138	4.7	6.8				
a. Rhabdomyosarcoma	2	40	23	10	10	75	85	4.5	4.0	1.8	1.7	4	15	12	11	8	42	50	2.6	2.4				
b. Fibrosarcoma	4	2	0	3	5	9	14	0.5	0.7	1.1	0.9	3	2	2	1	8	8	16	0.5	0.8				
c. Kaposi sarcoma	0	1	0	0	0	1	1	0.1	0.0	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	2	6	10	20	24	38	62	2.2	2.9	2.2	1.1	1	3	6	7	41	17	58	1.0	2.9				
e. Unspecified	2	2	3	1	7	8	15	0.5	0.7	0.7	1.1	0	3	2	6	3	11	14	0.7	0.7				
X GERM CELL TUMOURS	10	18	3	13	35	44	79	2.7	3.8	0.7	0.7	11	11	13	26	45	61	106	3.7	5.2				
a. CNS germ cell	1	0	2	12	4	15	19	0.9	0.9	2.1	2.1	2	0	4	1	2	7	9	0.4	0.4				
b. Other extragonadal	3	4	0	0	5	7	12	0.4	0.6	0.4	0.5	7	9	0	1	6	17	23	1.1	1.2				
c. Gonadal germ cell	6	14	1	1	26	22	48	1.4	2.4	0.6	0.8	2	2	9	23	27	36	63	2.1	3.1				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	8	1	9	0.1	0.5				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.1				
XI CARCINOMA & MELANOMA	1	8	9	37	77	55	132	3.2	6.4	0.7	0.5	3	5	19	50	180	77	257	4.5	13.0				
a. Adrenocortical	0	2	1	0	2	3	5	0.2	0.2	0.8	1.3	0	0	2	2	0	4	4	0.2	0.2				
b. Thyroid	0	0	2	5	22	7	29	0.4	1.4	0.2	0.2	0	0	6	24	112	30	142	1.7	7.3				
c. Nasopharyngeal	0	0	0	17	26	17	43	1.0	2.1	2.8	1.5	0	0	0	6	22	6	28	0.3	1.4				
d. Melanoma	0	1	0	0	0	1	1	0.1	0.0	0.3	0.2	1	1	0	2	2	4	6	0.2	0.3				
e. Skin carcinoma	1	1	1	3	4	6	10	0.4	0.5	0.5	0.6	0	0	6	5	6	11	17	0.6	0.8				
f. Other & unspecified	0	4	5	12	23	21	44	1.2	2.1	1.0	0.7	2	4	5	11	38	22	60	1.3	3.0				
XII OTHER & UNSPECIFIED	0	3	2	2	6	7	13	0.4	0.6	0.8	0.9	2	3	2	2	5	9	14	0.6	0.7				
a. Other specified	0	1	0	0	2	1	3	0.1	0.2	0.5	0.6	0	0	1	1	3	2	5	0.1	0.2				
b. Other unspecified	0	2	2	2	4	6	10	0.4	0.5	0.9	1.1	2	3	1	1	2	7	9	0.4	0.4				
TOTAL	160	797	645	591	724	2193	2917	130.0	137.5	1.3	1.2	161	689	432	446	672	1728	2400	106.1	117.7				

Please consult the quality indicators for this registry

SAUDI-ARABIA, Riyadh (1994-2012)

	Age group	Males	Females
Person-years	0	1 203 405	1 104 637
	1-4	4 913 720	4 801 541
	5-9	5 765 808	5 625 623
	10-14	5 139 868	5 059 334
	15-19	4 432 062	4 258 774
Total	0-14	17 022 801	16 591 135
	0-19	21 454 863	20 849 909
Average annual population	0-14	895 937	873 218
	0-19	1 129 203	1 097 364

Please consult the quality indicators for this registry