

SAUDI ARABIA, Riyadh, Saudis (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	67	492	328	236	228	1123	1351	35.5	100.0	31.1	100.0	35.0	61.7	34.7	27.5	30.5	41.1	38.7	594	746	99.3	0.4	
a. Lymphoid	29	412	256	153	127	850	977	26.8	75.7	22.5	72.3	15.2	51.7	27.1	17.8	17.0	31.2	28.0	448	533	99.7	0.2	
b. Acute myeloid	21	57	54	64	70	196	266	6.2	17.5	6.1	19.7	11.0	7.2	5.7	7.5	9.4	7.1	7.6	105	152	99.6	0.0	
c. CMD	2	5	7	11	19	25	44	0.8	2.2	1.0	3.3	1.0	0.6	0.7	1.3	2.5	0.9	1.3	14	26	97.7	0.0	
d. MDS & other	8	12	2	3	3	25	28	0.8	2.2	0.6	2.1	4.2	1.5	0.2	0.3	0.4	1.0	0.8	13	15	100.0	0.0	
e. Unspecified	7	6	9	5	9	27	36	0.9	2.4	0.8	2.7	3.7	0.8	1.0	0.6	1.2	1.0	1.0	14	20	88.9	11.1	
II LYMPHOMA & RELATED	8	93	197	235	360	533	893	16.8	100.0	20.5	100.0	4.2	11.7	20.8	27.4	48.2	18.6	25.3	292	533	99.7	0.0	
a. Hodgkin	1	33	92	154	238	280	518	8.8	52.5	11.9	58.0	0.5	4.1	9.7	18.0	31.8	9.7	14.7	156	315	100.0	0.0	
b. Non-Hodgkin except BL	0	20	67	56	103	143	246	4.5	26.8	5.7	27.5	-	2.5	7.1	6.5	13.8	5.0	6.9	78	147	99.6	0.0	
c. Burkitt (BL)	1	32	34	21	11	88	99	2.8	16.5	2.3	11.1	0.5	4.0	3.6	2.4	1.5	3.2	2.8	47	54	100.0	0.0	
d. Lymphoreticular	5	7	0	1	1	13	14	0.4	2.4	0.3	1.6	2.6	0.9	-	0.1	0.1	0.5	0.4	7	7	85.7	0.0	
e. Unspecified	1	1	4	3	7	9	16	0.3	1.7	0.4	1.8	0.5	0.1	0.4	0.3	0.9	0.3	0.5	5	10	100.0	0.0	
III CNS NEOPLASMS	24	145	166	95	70	430	500	13.6	100.0	11.5	100.0	12.5	18.2	17.6	11.1	9.4	15.5	14.1	229	275	89.2	0.6	
a. Ependymoma	7	19	12	5	7	43	50	1.4	10.0	1.2	10.0	3.7	2.4	1.3	0.6	0.9	1.6	1.4	22	27	98.0	0.0	
b. Astrocytoma	9	24	24	29	31	86	117	2.7	20.0	2.7	23.4	4.7	3.0	2.5	3.4	4.1	3.1	3.3	46	67	89.7	0.0	
c. CNS embryonal	6	77	91	36	17	210	227	6.6	48.8	5.2	45.4	3.1	9.7	9.6	4.2	2.3	7.6	6.4	111	122	98.2	0.0	
d. Other gliomas	2	13	30	16	7	61	68	1.9	14.2	1.6	13.6	1.0	1.6	3.2	1.9	0.9	2.2	1.9	33	37	57.4	0.0	
e. Other specified	0	6	2	5	3	13	16	0.4	3.0	0.4	3.2	-	0.8	0.2	0.6	0.4	0.5	0.5	7	9	100.0	0.0	
f. Unspecified CNS	0	6	7	4	5	17	22	0.5	4.0	0.5	4.4	-	0.8	0.7	0.5	0.7	0.6	0.6	9	12	63.6	13.6	
IV NEUROBLASTOMA	49	99	17	3	4	168	172	5.3	100.0	4.0	100.0	25.6	12.4	1.8	0.3	0.5	6.5	5.1	86	88	97.1	0.0	
a. (Ganglio)neuroblastoma	49	99	17	3	3	168	171	5.3	100.0	3.9	99.4	25.6	12.4	1.8	0.3	0.4	6.5	5.1	86	88	97.1	0.0	
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.0	0.6	-	-	-	-	0.1	-	0.0	-	1	1	100.0	0.0
V RETINOBLASTOMA	55	102	6	2	0	165	165	5.2	100.0	3.8	100.0	28.7	12.8	0.6	0.2	-	6.4	5.0	84	84	87.3	0.0	
VI RENAL TUMOURS	21	111	30	6	5	168	173	5.3	100.0	4.0	100.0	11.0	13.9	3.2	0.7	0.7	6.4	5.1	86	89	96.0	0.0	
a. Nephroblastoma	21	110	29	5	0	165	165	5.2	98.2	3.8	95.4	11.0	13.8	3.1	0.6	-	6.3	4.9	85	85	95.8	0.0	
b. Renal carcinoma	0	1	1	1	5	3	8	0.1	1.8	0.2	4.6	-	0.1	0.1	0.1	0.7	0.1	0.2	2	5	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	10	30	5	5	9	50	59	1.6	100.0	1.4	100.0	5.2	3.8	0.5	0.6	1.2	1.9	1.7	26	32	88.1	1.7	
a. Hepatoblastoma	10	23	3	1	0	37	37	1.2	74.0	0.9	62.7	5.2	2.9	0.3	0.1	-	1.4	1.1	19	19	100.0	0.0	
b. Hepatic carcinoma	0	7	2	3	7	12	19	0.4	24.0	0.4	32.2	-	0.9	0.2	0.3	0.9	0.4	0.6	6	11	73.7	0.0	
c. Unspecified	0	0	0	1	2	1	3	0.0	2.0	0.1	5.1	-	-	-	0.1	0.3	0.0	0.1	1	2	33.3	33.3	
VIII BONE TUMOURS	1	15	48	91	115	155	270	4.9	100.0	6.2	100.0	0.5	1.9	5.1	10.6	15.4	5.3	7.6	87	163	99.3	0.0	
a. Osteosarcoma	0	4	22	53	65	79	144	2.5	51.0	3.3	53.3	-	0.5	2.3	6.2	8.7	2.7	4.1	45	88	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	6	0	6	-	-	0.1	2.2	-	-	-	-	0.8	-	0.2	-	4	4	100.0	0.0
c. Ewing & related	1	11	23	35	39	70	109	2.2	45.2	2.5	40.4	0.5	1.4	2.4	4.1	5.2	2.4	3.1	39	65	100.0	0.0	
d. Other specified	0	0	2	3	3	5	8	0.2	3.2	0.2	3.0	-	-	0.2	0.3	0.4	0.2	0.2	3	5	100.0	0.0	
e. Unspecified	0	0	1	0	2	1	3	0.0	0.6	0.1	1.1	-	-	0.1	-	0.3	0.0	0.1	1	2	33.3	0.0	
IX SOFT TISSUE SARCOMA	13	59	51	46	90	169	259	5.3	100.0	6.0	100.0	6.8	7.4	5.4	5.4	12.0	6.1	7.4	90	150	98.8	0.0	
a. Rhabdomyosarcoma	4	45	31	12	14	92	106	2.9	54.4	2.4	40.9	2.1	5.6	3.3	1.4	1.9	3.4	3.0	48	58	99.1	0.0	
b. Fibrosarcoma	6	2	2	4	12	14	26	0.4	8.3	0.6	10.0	3.1	0.3	0.2	0.5	1.6	0.5	0.8	7	15	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	2	9	14	25	54	50	104	1.6	29.6	2.4	40.2	1.0	1.1	1.5	2.9	7.2	1.8	3.0	28	64	99.0	0.0	
e. Unspecified	1	3	4	5	10	13	23	0.4	7.7	0.5	8.9	0.5	0.4	0.4	0.6	1.3	0.5	0.7	7	14	95.7	0.0	
X GERM CELL TUMOURS	17	22	13	39	70	91	161	2.9	100.0	3.7	100.0	8.9	2.8	1.4	4.5	9.4	3.3	4.7	49	96	98.8	0.0	
a. CNS germ cell	3	0	4	13	6	20	26	0.6	22.0	0.6	16.1	1.6	-	0.4	1.5	0.8	0.7	0.7	11	15	100.0	0.0	
b. Other extragonadal	7	9	0	1	10	17	27	0.5	18.7	0.6	16.8	3.7	1.1	-	0.1	1.3	0.7	0.8	9	15	96.3	0.0	
c. Gonadal germ cell	7	13	9	24	45	53	98	1.7	58.2	2.3	60.9	3.7	1.6	1.0	2.8	6.0	1.9	2.8	29	59	99.0	0.0	
d. Gonadal carcinoma	0	0	0	1	7	1	8	0.0	1.1	0.2	5.0	-	-	-	0.1	0.9	0.0	0.2	1	5	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	2	0	2	-	-	0.0	1.2	-	-	-	-	0.3	-	0.1	-	1	1	100.0	0.0
XI CARCINOMA & MELANOMA	3	12	18	71	222	104	326	3.3	100.0	7.5	100.0	1.6	1.5	1.9	8.3	29.7	3.6	9.5	58	207	100.0	0.0	
a. Adrenocortical	0	2	3	1	2	6	8	0.2	5.8	0.2	2.5	-	0.3	0.3	0.1	0.3	0.2	0.2	3	5	100.0	0.0	
b. Thyroid	0	0	7	24	118	31	149	1.0	29.8	3.4	45.7	-	-	0.7	2.8	15.8	1.1	4.4	18	97	100.0	0.0	
c. Nasopharyngeal	0	0	0	17	43	17	60	0.5	16.3	1.4	18.4	-	-	-	2.0	5.8	0.6	1.7	10	39	100.0	0.0	
d. Melanoma	0	2	0	1	2	3	5	0.1	2.9	0.1	1.5	-	0.3	-	0.1	0.3	0.1	0.1	2	3	100.0	0.0	
e. Skin carcinoma	1	1	4	7	7	13	20	0.4	12.5	0.5	6.1	0.5	0.1	0.4	0.8	0.9	0.5	0.6	7	12	100.0	0.0	
f. Other & unspecified	2	7	4	21	50	34	84	1.1	32.7	1.9	25.8	1.0	0.9	0.4	2.4	6.7	1.2	2.4	19	52	100.0	0.0	
XII OTHER & UNSPECIFIED	2	3	4	2	7	11	18	0.3	100.0	0.4	100.0	1.0	0.4	0.4	0.2	0.9	0.4	0.5	6	10	72.2	16.7	
a. Other specified	0	1	1	1	3	3	6	0.1	27.3	0.1	33.3	-	0.1	0.1	0.1	0.4	0.1	0.2	2	4	100.0	0.0	
b. Other unspecified	2	2	3	1	4	8	12	0.3	72.7	0.3	66.7	1.0	0.3	0.3	0.1	0.5	0.3	0.3	4	7	58.3	25.0	
TOTAL	270	1183	883	831	1180	3167	4347	100.0	100.0	100.0	100.0	141.1	148.4	93.4	96.9	157.9	115.1	124.8	1686	2476	97.3	0.3	

Please consult the quality indicators for this registry

SAUDI ARABIA, Riyadh, Saudis (1994-2012)

	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	38	266	195	143	151	642	793	46.3	44.8	1.3	1.4	29	226	133	93	77	481	558	35.7	32.4		
a. Lymphoid	15	225	153	96	91	489	580	35.3	32.8	1.4	1.5	14	187	103	57	36	361	397	26.9	23.1		
b. Acute myeloid	14	27	28	37	43	106	149	7.6	8.4	1.2	1.3	7	30	26	27	27	90	117	6.6	6.7		
c. CMD	0	1	6	6	10	13	23	0.9	1.3	1.1	1.1	2	4	1	5	9	12	21	0.9	1.2		
d. MDS & other	7	9	1	2	3	19	22	1.4	1.3	3.2	3.7	1	3	1	1	0	6	6	0.5	0.4		
e. Unspecified	2	4	7	2	4	15	19	1.1	1.1	1.3	1.1	5	2	2	3	5	12	17	0.9	1.0		
II LYMPHOMA & RELATED	5	57	135	137	183	334	517	23.2	28.8	1.7	1.4	3	36	62	98	177	199	376	14.0	21.7		
a. Hodgkin	1	19	63	95	116	178	294	12.2	16.3	1.7	1.3	0	14	29	59	122	102	224	7.1	13.0		
b. Non-Hodgkin except BL	0	13	45	27	53	85	138	5.9	7.7	1.5	1.3	0	7	22	29	50	58	108	4.0	6.2		
c. Burkitt (BL)	1	21	24	13	8	59	67	4.2	3.7	2.0	2.1	0	11	10	8	3	29	32	2.1	1.8		
d. Lymphoreticular	3	4	0	0	1	7	8	0.5	0.5	1.2	1.3	2	3	0	1	0	6	6	0.5	0.4		
e. Unspecified	0	0	3	2	5	5	10	0.3	0.6	1.3	1.7	1	1	1	1	2	4	6	0.3	0.4		
III CNS NEOPLASMS	16	80	101	57	42	254	296	18.1	16.5	1.4	1.5	8	65	65	38	28	176	204	12.9	11.7		
a. Ependymoma	3	8	5	4	5	20	25	1.5	1.4	0.9	1.0	4	11	7	1	2	23	25	1.7	1.5		
b. Astrocytoma	5	14	16	16	19	51	70	3.6	3.9	1.5	1.5	4	10	8	13	12	35	47	2.5	2.7		
c. CNS embryonal	6	43	60	23	9	132	141	9.4	7.8	1.7	1.6	0	34	31	13	8	78	86	5.7	4.9		
d. Other gliomas	2	10	16	8	6	36	42	2.5	2.3	1.4	1.6	0	3	14	8	1	25	26	1.7	1.4		
e. Other specified	0	3	0	4	1	7	8	0.5	0.4	1.2	1.0	0	3	2	1	2	6	8	0.4	0.5		
f. Unspecified CNS	0	2	4	2	2	8	10	0.6	0.6	0.9	0.8	0	4	3	2	3	9	12	0.7	0.7		
IV NEUROBLASTOMA	23	53	6	1	4	83	87	6.3	5.1	1.0	1.0	26	46	11	2	0	85	85	6.6	5.1		
a. (Ganglio)neuroblastoma	23	53	6	1	3	83	86	6.3	5.1	1.0	1.0	26	46	11	2	0	85	85	6.6	5.1		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	25	48	4	0	0	77	77	5.9	4.6	0.9	0.9	30	54	2	2	0	88	88	7.0	5.4		
VI RENAL TUMOURS	8	45	15	5	2	73	75	5.4	4.3	0.8	0.8	13	66	15	1	3	95	98	7.4	5.9		
a. Nephroblastoma	8	45	15	5	0	73	73	5.4	4.2	0.8	0.8	13	65	14	0	0	92	92	7.2	5.6		
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	0.4		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	5	19	4	4	4	32	36	2.4	2.1	1.8	1.6	5	11	1	1	5	18	23	1.4	1.4		
a. Hepatoblastoma	5	14	3	1	0	23	23	1.7	1.3	1.6	1.6	5	9	0	0	0	14	14	1.1	0.9		
b. Hepatic carcinoma	0	5	1	2	3	8	11	0.6	0.6	2.0	1.4	0	2	1	1	4	4	8	0.3	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	8	30	53	82	91	173	6.2	9.7	1.4	1.8	1	7	18	38	33	64	97	4.5	5.5		
a. Osteosarcoma	0	3	12	31	45	46	91	3.1	5.1	1.4	1.7	0	1	10	22	20	33	53	2.3	3.0		
b. Chondrosarcoma	0	0	0	0	5	0	5	-	0.3	-	5.0	0	0	0	0	1	0	1	-	0.1		
c. Ewing & related	0	5	16	20	28	41	69	2.8	3.8	1.4	1.7	1	6	7	15	11	29	40	2.1	2.3		
d. Other specified	0	0	1	2	2	3	5	0.2	0.3	1.5	1.7	0	0	1	1	1	2	3	0.1	0.2		
e. Unspecified	0	0	1	0	2	1	3	0.1	0.2	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	8	40	35	30	37	113	150	8.1	8.5	2.0	1.4	5	19	16	16	53	56	109	4.1	6.4		
a. Rhabdomyosarcoma	1	32	23	8	8	64	72	4.6	4.1	2.3	2.1	3	13	8	4	6	28	34	2.1	2.0		
b. Fibrosarcoma	4	2	0	3	5	9	14	0.7	0.8	1.8	1.2	2	0	2	1	7	5	12	0.4	0.7		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	2	6	10	18	17	36	53	2.5	3.0	2.6	1.0	0	3	4	7	37	14	51	1.0	3.0		
e. Unspecified	1	0	2	1	7	4	11	0.3	0.6	0.4	0.9	0	3	2	4	3	9	12	0.6	0.7		
X GERM CELL TUMOURS	8	14	2	13	29	37	66	2.7	3.8	0.7	0.7	9	8	11	26	41	54	95	3.9	5.5		
a. CNS germ cell	1	0	1	12	4	14	18	1.0	1.0	2.3	2.3	2	0	3	1	2	6	8	0.4	0.5		
b. Other extragonadal	2	3	0	0	5	5	10	0.4	0.6	0.4	0.6	5	6	0	1	5	12	17	0.9	1.0		
c. Gonadal germ cell	5	11	1	1	20	18	38	1.4	2.2	0.5	0.6	2	2	8	23	25	35	60	2.4	3.4		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	7	1	8	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	4	28	64	41	105	2.9	6.0	0.7	0.5	2	4	14	43	158	63	221	4.4	13.1		
a. Adrenocortical	0	2	1	0	2	3	5	0.2	0.3	1.0	1.7	0	0	2	1	0	3	3	0.2	0.2		
b. Thyroid	0	0	1	2	19	3	22	0.2	1.3	0.1	0.2	0	0	6	22	99	28	127	1.9	7.5		
c. Nasopharyngeal	0	0	0	12	23	12	35	0.8	2.0	2.4	1.4	0	0	0	5	20	5	25	0.3	1.5		
d. Melanoma	0	1	0	0	0	1	1	0.1	0.1	0.5	0.3	0	1	0	1	2	2	4	0.1	0.2		
e. Skin carcinoma	1	1	1	2	2	5	7	0.4	0.4	0.6	0.5	0	0	3	5	5	8	13	0.5	0.7		
f. Other & unspecified	0	4	1	12	18	17	35	1.2	2.0	1.0	0.7	2	3	3	9	32	17	49	1.2	2.9		
XII OTHER & UNSPECIFIED	0	2	2	1	4	5	9	0.4	0.5	0.8	1.0	2	1	2	1	3	6	9	0.4	0.5		
a. Other specified	0	1	0	0	1	1	2	0.1	0.1	0.5	0.5	0	0	1	1	2	2	4	0.1	0.2		
b. Other unspecified	0	1	2	1	3	4	7	0.3	0.4	1.0	1.4	2	1	1	0	1	4	5	0.3	0.3		
TOTAL	137	640	533	472	602	1782	2384	127.8	134.7	1.3	1.2	133	543	350	359	578	1385	1963	102.2	114.6		

Please consult the quality indicators for this registry

SAUDI ARABIA, Riyadh, Saudis (1994-2012)

	Age group	Males	Females
Person-years	0	999 644	913 480
	1-4	4 017 528	3 954 494
	5-9	4 770 412	4 685 213
	10-14	4 302 701	4 275 370
	15-19	3 797 334	3 675 812
Total	0-14	14 090 285	13 828 557
	0-19	17 887 619	17 504 369
Average annual population	0-14	741 594	727 819
	0-19	941 454	921 283

Please consult the quality indicators for this registry