

USA, Arizona (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	0-19
I LEUKAEMIA	48	502	244	220	194	1014	1208	33.9	100.0	27.8	100.0	36.9	98.0	39.4	35.2	31.3	56.1	50.5	801	957	94.5	0.5	
a. Lymphoid	16	432	203	149	106	800	906	26.7	78.9	20.9	75.0	12.3	84.3	32.8	23.8	17.1	44.5	38.3	632	717	95.9	0.4	
b. Acute myeloid	14	46	20	39	60	119	179	4.0	11.7	4.1	14.8	10.8	9.0	3.2	6.2	9.7	6.5	7.2	94	142	97.2	1.1	
c. CMD	4	4	8	16	22	32	54	1.1	3.2	1.2	4.5	3.1	0.8	1.3	2.6	3.5	1.6	2.1	25	43	68.5	0.0	
d. MDS & other	8	12	7	2	3	29	32	1.0	2.9	0.7	2.6	6.2	2.3	1.1	0.3	0.5	1.7	1.4	23	25	96.9	0.0	
e. Unspecified	6	8	6	14	3	34	37	1.1	3.4	0.9	3.1	4.6	1.6	1.0	2.2	0.5	1.8	1.5	27	29	81.1	0.0	
II LYMPHOMA & RELATED	17	54	98	115	246	284	530	9.5	100.0	12.2	100.0	13.1	10.5	15.8	18.4	39.6	14.7	20.3	226	424	97.7	0.4	
a. Hodgkin	0	4	28	57	163	89	252	3.0	31.3	5.8	47.5	-	0.8	4.5	9.1	26.3	4.3	9.3	71	203	98.4	0.0	
b. Non-Hodgkin except BL	10	22	36	30	64	98	162	3.3	34.5	3.7	30.6	7.7	4.3	5.8	4.8	10.3	5.2	6.3	78	130	96.3	1.2	
c. Burkitt (BL)	0	8	20	19	9	47	56	1.6	16.5	1.3	10.6	-	1.6	3.2	3.0	1.5	2.4	2.2	38	45	98.2	0.0	
d. Lymphoreticular	7	19	13	7	2	46	48	1.5	16.2	1.1	9.1	5.4	3.7	2.1	1.1	0.3	2.6	2.1	36	38	97.9	0.0	
e. Unspecified	0	1	1	2	8	4	12	0.1	1.4	0.3	2.3	-	0.2	0.2	0.3	1.3	0.2	0.4	3	10	100.0	0.0	
III CNS NEOPLASMS †	58	222	211	215	245	706	951	23.6	100.0	21.9	100.0	44.6	43.3	34.1	34.4	39.5	37.8	38.2	560	758	76.2	0.8	
a. Ependymoma	7	24	14	18	22	63	85	2.1	8.9	2.0	8.9	5.4	4.7	2.3	2.9	3.5	3.4	3.5	50	68	94.1	0.0	
b. Astrocytoma	25	81	93	85	79	284	363	9.5	40.2	8.4	38.2	19.2	15.8	15.0	13.6	12.7	15.2	14.6	226	289	84.0	0.3	
c. CNS embryonal	14	61	44	34	18	153	171	5.1	21.7	3.9	18.0	10.8	11.9	7.1	5.4	2.9	8.4	7.2	121	136	97.7	0.0	
d. Other gliomas	2	28	36	30	31	96	127	3.2	13.6	2.9	13.4	1.5	5.5	5.8	4.8	5.0	5.1	5.1	76	101	43.3	0.8	
e. Other specified	5	17	14	39	80	75	155	2.5	10.6	3.6	16.3	3.8	3.3	2.3	6.2	12.9	3.9	5.9	60	124	69.7	0.0	
f. Unspecified CNS	5	11	10	9	15	35	50	1.2	5.0	1.2	5.3	3.8	2.1	1.6	1.4	2.4	1.9	2.0	28	40	20.0	12.0	
IV NEUROBLASTOMA	76	90	14	4	2	184	186	6.1	100.0	4.3	100.0	58.4	17.6	2.3	0.6	0.3	10.9	8.5	144	145	96.8	0.0	
a. (Ganglio)neuroblastoma	76	90	14	2	1	182	183	6.1	98.9	4.2	98.4	58.4	17.6	2.3	0.3	0.2	10.8	8.4	142	143	96.7	0.0	
b. Peripheral nervous	0	0	0	2	1	2	3	0.1	1.1	0.1	1.6	-	-	-	0.3	0.2	0.1	0.1	2	2	100.0	0.0	
V RETINOBLASTOMA	48	38	6	0	0	92	92	3.1	100.0	2.1	100.0	36.9	7.4	1.0	-	-	5.5	4.3	72	72	81.5	0.0	
VI RENAL TUMOURS	14	88	26	3	6	131	137	4.4	100.0	3.2	100.0	10.8	17.2	4.2	0.5	1.0	7.6	6.1	103	108	98.5	0.0	
a. Nephroblastoma	11	88	23	3	2	125	127	4.2	95.4	2.9	92.7	8.5	17.2	3.7	0.5	0.3	7.3	5.7	98	100	98.4	0.0	
b. Renal carcinoma	3	0	3	0	3	6	9	0.2	4.6	0.2	6.6	2.3	-	0.5	-	0.5	0.3	0.4	5	7	100.0	0.0	
c. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.7	-	-	-	-	0.2	-	0.0	-	1	1	100.0	0.0
VII HEPATIC TUMOURS	22	23	5	9	10	59	69	2.0	100.0	1.6	100.0	16.9	4.5	0.8	1.4	1.6	3.4	3.0	46	54	95.7	2.9	
a. Hepatoblastoma	22	21	4	2	3	49	52	1.6	83.1	1.2	75.4	16.9	4.1	0.6	0.3	0.5	2.9	2.4	38	41	98.1	1.9	
b. Hepatic carcinoma	0	2	1	6	7	9	16	0.3	15.3	0.4	23.2	-	0.4	0.2	1.0	1.1	0.5	0.6	7	13	93.8	0.0	
c. Unspecified	0	0	0	1	0	1	1	0.0	1.7	0.0	1.4	-	-	-	0.2	-	0.0	0.0	1	1	0.0	100.0	
VIII BONE TUMOURS	0	8	37	83	80	128	208	4.3	100.0	4.8	100.0	-	1.6	6.0	13.3	12.9	6.3	7.8	102	167	98.1	0.5	
a. Osteosarcoma	0	3	16	42	46	61	107	2.0	47.7	2.5	51.4	-	0.6	2.6	6.7	7.4	3.0	4.0	49	86	98.1	0.9	
b. Chondrosarcoma	0	0	1	2	3	3	6	0.1	2.3	0.1	2.9	-	-	0.2	0.3	0.5	0.1	0.2	2	5	100.0	0.0	
c. Ewing & related	0	4	13	37	25	54	79	1.8	42.2	1.8	38.0	-	0.8	2.1	5.9	4.0	2.6	2.9	43	63	98.7	0.0	
d. Other specified	0	1	7	2	3	10	13	0.3	7.8	0.3	6.3	-	0.2	1.1	0.3	0.5	0.5	0.5	8	10	100.0	0.0	
e. Unspecified	0	0	0	0	3	0	3	-	-	0.1	1.4	-	-	-	-	0.5	-	0.1	-	2	2	66.7	0.0
IX SOFT TISSUE SARCOMA	14	48	43	57	81	162	243	5.4	100.0	5.6	100.0	10.8	9.4	6.9	9.1	13.1	8.6	9.6	129	194	98.8	0.0	
a. Rhabdomyosarcoma	7	32	22	19	17	80	97	2.7	49.4	2.2	39.9	5.4	6.2	3.6	3.0	2.7	4.4	4.0	63	77	100.0	0.0	
b. Fibrosarcoma	3	2	3	2	11	10	21	0.3	6.2	0.5	8.6	2.3	0.4	0.5	0.3	1.8	0.6	0.8	8	17	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	3	11	13	29	46	56	102	1.9	34.6	2.3	42.0	2.3	2.1	2.1	4.6	7.4	2.9	3.9	45	82	97.1	0.0	
e. Unspecified	1	3	5	7	7	16	23	0.5	9.9	0.5	9.5	0.8	0.6	0.8	1.1	1.1	0.8	0.9	13	18	100.0	0.0	
X GERM CELL TUMOURS	23	23	13	38	193	97	290	3.2	100.0	6.7	100.0	17.7	4.5	2.1	6.1	31.1	5.2	11.0	77	232	96.9	0.3	
a. CNS germ cell ‡	3	4	8	19	21	34	55	1.1	35.1	1.3	19.0	2.3	0.8	1.3	3.0	3.4	1.7	2.1	27	44	87.3	0.0	
b. Other extragonadal	15	10	1	1	19	27	46	0.9	27.8	1.1	15.9	11.5	2.0	0.2	0.2	3.1	1.6	1.9	21	36	100.0	0.0	
c. Gonadal germ cell	5	9	3	16	143	33	176	1.1	34.0	4.1	60.7	3.8	1.8	0.5	2.6	23.0	1.7	6.5	26	141	99.4	0.0	
d. Gonadal carcinoma	0	0	1	2	5	3	8	0.1	3.1	0.2	2.8	-	-	0.2	0.3	0.8	0.1	0.3	2	6	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	5	0	5	-	-	0.1	1.7	-	-	-	-	0.8	-	0.2	-	4	4	80.0	20.0
XI CARCINOMA & MELANOMA	9	11	19	82	280	121	401	4.0	100.0	9.2	100.0	6.9	2.1	3.1	13.1	45.1	6.0	14.8	96	322	99.8	0.0	
a. Adrenocortical	0	4	1	1	1	6	7	0.2	5.0	0.2	1.7	-	0.8	0.2	0.2	0.2	0.3	0.3	5	6	85.7	0.0	
b. Thyroid	0	2	3	34	114	39	153	1.3	32.2	3.5	38.2	-	0.4	0.5	5.4	18.4	1.9	5.6	31	123	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	7	1	8	0.0	0.8	0.2	2.0	-	-	-	0.2	1.1	0.0	0.3	1	6	100.0	0.0	
d. Melanoma	6	4	11	23	94	44	138	1.5	36.4	3.2	34.4	4.6	0.8	1.8	3.7	15.1	2.2	5.1	35	111	100.0	0.0	
e. Skin carcinoma	0	0	0	1	1	1	2	0.0	0.8	0.0	0.5	-	-	-	0.2	0.2	0.0	0.1	1	2	100.0	0.0	
f. Other & unspecified	3	1	4	22	63	30	93	1.0	24.8	2.1	23.2	2.3	0.2	0.6	3.5	10.2	1.5	3.4	24	75	100.0	0.0	
XII OTHER & UNSPECIFIED	6	5	3	2	10	16	26	0.5	100.0	0.6	100.0	4.6	1.0	0.5	0.3	1.6	0.9	1.1	13	21	57.7	11.5	
a. Other specified	2	3	1	1	4	7	11	0.2	43.8	0.3	42.3	1.5	0.6	0.2	0.2	0.6	0.4	0.5	5	9	100.0	0.0	
b. Other unspecified	4	2	2	1	6	9	15	0.3	56.3	0.3	57.7	3.1	0.4	0.3	0.2	1.0	0.5	0.6	7	12	26.7	20.0	
TOTAL	335	1112	719	828	1347	2994	4341	100.0	100.0	100.0	100.0	257.6	217.0	116.1	132.3	217.0	163.1	175.2	2369	3454	91.7	0.5	

† includes 199 non-malignant ‡ includes 5 non-malignant

Please consult the quality indicators for this registry

USA, Arizona (1998-2012)

	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		
I LEUKAEMIA	24	265	136	117	107	542	649	58.6	52.9	1.1	1.2	24	237	108	103	87	472	559	53.4	47.9		
a. Lymphoid	8	232	117	86	64	443	507	48.1	41.7	1.2	1.3	8	200	86	63	42	357	399	40.7	34.7		
b. Acute myeloid	6	24	7	12	29	49	78	5.3	6.2	0.7	0.8	8	22	13	27	31	70	101	7.6	8.3		
c. CMD	3	1	6	11	13	21	34	2.1	2.5	1.9	1.7	1	3	2	5	9	11	20	1.2	1.6		
d. MDS & other	4	6	3	1	1	14	15	1.6	1.3	0.9	0.9	4	6	4	1	2	15	17	1.8	1.5		
e. Unspecified	3	2	3	7	0	15	15	1.5	1.2	0.8	0.7	3	6	3	7	3	19	22	2.1	1.8		
II LYMPHOMA & RELATED	8	32	66	74	137	180	317	18.2	23.7	1.7	1.5	9	22	32	41	109	104	213	11.1	16.8		
a. Hodgkin	0	3	22	36	89	61	150	5.9	10.8	2.2	1.5	0	1	6	21	74	28	102	2.8	7.7		
b. Non-Hodgkin except BL	6	14	22	17	37	59	96	6.1	7.4	1.5	1.5	4	8	14	13	27	39	66	4.2	5.3		
c. Burkitt (BL)	0	5	15	15	6	35	41	3.5	3.1	2.9	2.7	0	3	5	4	3	12	15	1.3	1.2		
d. Lymphoreticular	2	10	6	5	2	23	25	2.5	2.1	1.0	1.1	5	9	7	2	0	23	23	2.7	2.1		
e. Unspecified	0	0	1	1	3	2	5	0.2	0.4	1.0	0.7	0	1	0	1	5	2	7	0.2	0.5		
III CNS NEOPLASMS †	27	124	108	114	117	373	490	39.2	38.6	1.1	1.1	31	98	103	101	128	333	461	36.4	37.9		
a. Ependymoma	3	17	8	10	13	38	51	4.1	4.1	1.5	1.5	4	7	6	8	9	25	34	2.8	2.8		
b. Astrocytoma	13	40	40	43	38	136	174	14.2	13.7	0.9	0.9	12	41	53	42	41	148	189	16.2	15.6		
c. CNS embryonal	8	40	29	19	14	96	110	10.3	9.0	1.7	1.8	6	21	15	15	4	57	61	6.3	5.2		
d. Other gliomas	1	12	21	16	18	50	68	5.1	5.2	1.1	1.2	1	16	15	14	13	46	59	5.0	4.9		
e. Other specified	2	9	5	23	24	39	63	3.9	4.7	1.1	0.7	3	8	9	16	56	36	92	3.8	7.2		
f. Unspecified CNS	0	6	5	3	10	14	24	1.5	1.9	0.7	0.9	5	5	5	6	5	21	26	2.3	2.2		
IV NEUROBLASTOMA	40	36	6	1	1	83	84	9.7	7.6	0.8	0.8	36	54	8	3	1	101	102	12.2	9.5		
a. (Ganglioneuroblastoma	40	36	6	1	1	83	84	9.7	7.6	0.8	0.8	36	54	8	1	0	99	99	12.0	9.3		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	1	2	3	0.2	0.2		
V RETINOBLASTOMA	21	20	2	0	0	43	43	5.0	3.9	0.9	0.9	27	18	4	0	0	49	49	6.0	4.6		
VI RENAL TUMOURS	7	35	14	1	3	57	60	6.5	5.2	0.8	0.8	7	53	12	2	3	74	77	8.9	7.1		
a. Nephroblastoma	5	35	12	1	1	53	54	6.0	4.7	0.7	0.7	6	53	11	2	1	72	73	8.6	6.8		
b. Renal carcinoma	2	0	2	0	1	4	5	0.4	0.4	2.0	1.3	1	0	1	0	2	2	4	0.2	0.3		
c. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	13	10	3	4	1	30	31	3.4	2.7	1.0	0.8	9	13	2	5	9	29	38	3.4	3.3		
a. Hepatoblastoma	13	10	2	1	0	26	26	3.0	2.3	1.1	1.0	9	11	2	1	3	23	26	2.8	2.4		
b. Hepatic carcinoma	0	0	1	3	1	4	5	0.4	0.4	0.8	0.5	0	2	0	3	6	5	11	0.5	0.9		
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.1	0.1		
VIII BONE TUMOURS	0	3	20	40	42	63	105	6.0	7.6	1.0	1.0	0	5	17	43	38	65	103	6.5	7.9		
a. Osteosarcoma	0	2	11	17	23	30	53	2.9	3.9	1.0	1.0	0	1	5	25	23	31	54	3.0	4.1		
b. Chondrosarcoma	0	0	1	2	1	3	4	0.3	0.3	-	2.0	0	0	0	0	2	0	2	-	0.2		
c. Ewing & related	0	1	6	21	16	28	44	2.6	3.2	1.1	1.3	0	3	7	16	9	26	35	2.6	2.7		
d. Other specified	0	0	2	0	0	2	2	0.2	0.2	0.3	0.2	0	1	5	2	3	8	11	0.8	0.9		
e. Unspecified	0	0	0	0	2	0	2	-	0.1	-	2.0	0	0	0	0	1	0	1	-	0.1		
IX SOFT TISSUE SARCOMA	8	28	24	27	44	87	131	9.1	10.2	1.2	1.2	6	20	19	30	37	75	112	8.1	9.0		
a. Rhabdomyosarcoma	4	18	15	7	11	44	55	4.8	4.5	1.2	1.3	3	14	7	12	6	36	42	4.0	3.5		
b. Fibrosarcoma	1	2	3	1	4	7	11	0.8	0.9	2.3	1.1	2	0	0	1	7	3	10	0.3	0.8		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	2	6	3	14	27	25	52	2.5	3.8	0.8	1.0	1	5	10	15	19	31	50	3.2	3.9		
e. Unspecified	1	2	3	5	2	11	13	1.1	1.0	2.2	1.3	0	1	2	2	5	5	10	0.5	0.8		
X GERM CELL TUMOURS	15	12	3	19	153	49	202	5.2	14.8	1.0	2.3	8	11	10	19	40	48	88	5.2	7.0		
a. CNS germ cell ‡	2	2	3	14	18	21	39	2.0	2.8	1.6	2.4	1	2	5	5	3	13	16	1.4	1.3		
b. Other extragonadal	10	1	0	0	11	11	22	1.3	1.8	0.7	0.9	5	9	1	1	8	16	24	1.9	2.1		
c. Gonadal germ cell	3	9	0	5	122	17	139	1.9	10.0	1.1	3.8	2	0	3	11	21	16	37	1.6	2.8		
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.1	0.0	0.1	0	0	1	2	4	3	7	0.3	0.5		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.1	-	0.3	0	0	0	0	4	0	4	-	0.3		
XI CARCINOMA & MELANOMA	6	5	8	27	85	46	131	4.6	9.5	0.6	0.5	3	6	11	55	195	75	270	7.5	20.5		
a. Adrenocortical	0	1	1	0	1	2	3	0.2	0.2	0.5	0.8	0	3	0	1	0	4	4	0.5	0.4		
b. Thyroid	0	2	1	11	12	14	26	1.3	1.9	0.6	0.2	0	0	2	23	102	25	127	2.4	9.5		
c. Nasopharyngeal	0	0	0	0	4	0	4	-	0.3	0.0	1.0	0	0	0	1	3	1	4	0.1	0.3		
d. Melanoma	4	1	3	10	45	18	63	1.8	4.5	0.7	0.8	2	3	8	13	49	26	75	2.7	5.8		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.1	0.1		
f. Other & unspecified	2	1	3	6	23	12	35	1.2	2.5	0.7	0.6	1	0	1	16	40	18	58	1.7	4.4		
XII OTHER & UNSPECIFIED	3	3	2	2	4	10	14	1.1	1.1	1.7	1.2	3	2	1	0	6	6	12	0.7	1.0		
a. Other specified	2	1	1	1	1	5	6	0.5	0.5	2.5	1.2	0	2	0	0	3	2	5	0.2	0.4		
b. Other unspecified	1	2	1	1	3	5	8	0.5	0.6	1.3	1.1	3	0	1	0	3	4	7	0.5	0.6		
TOTAL	172	573	392	426	694	1563	2257	166.6	177.7	1.1	1.1	163	539	327	402	653	1431	2084	159.4	172.6		

† includes 89 non-malignant in males and 110 non-malignant in females ‡ includes 3 non-malignant in males and 2 non-malignant in females

Please consult the quality indicators for this registry

USA, Arizona (1998-2012)

	Age group	Males	Females
Person-years	0	662 985	637 299
	1-4	2 614 555	2 508 720
	5-9	3 166 310	3 024 808
	10-14	3 199 313	3 058 515
	15-19	3 214 398	2 992 163
Total	0-14	9 643 163	9 229 342
	0-19	12 857 561	12 221 505
Average annual population	0-14	642 878	615 289
	0-19	857 171	814 767

Please consult the quality indicators for this registry