

USA, Arizona, NH White (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	19	229	98	89	90	435	525	30.0	100.0	23.6	100.0	33.4	101.0	34.1	29.3	29.1	53.4	47.9	755	900	95.2	0.6	
a. Lymphoid	8	195	85	60	40	348	388	24.0	80.0	17.5	73.9	14.1	86.0	29.6	19.8	12.9	43.0	36.2	605	669	97.2	0.3	
b. Acute myeloid	8	21	6	15	33	50	83	3.5	11.5	3.7	15.8	14.1	9.3	2.1	4.9	10.7	6.1	7.1	86	140	96.4	2.4	
c. CMD	0	1	2	7	13	10	23	0.7	2.3	1.0	4.4	-	0.4	0.7	2.3	4.2	1.0	1.7	17	38	73.9	0.0	
d. MDS & other	1	7	2	0	2	10	12	0.7	2.3	0.5	2.3	1.8	3.1	0.7	-	0.6	1.3	1.2	18	21	91.7	0.0	
e. Unspecified	2	5	3	7	2	17	19	1.2	3.9	0.9	3.6	3.5	2.2	1.0	2.3	0.6	2.0	1.7	29	32	78.9	0.0	
II LYMPHOMA & RELATED	13	25	45	67	161	150	311	10.4	100.0	14.0	100.0	22.9	11.0	15.7	22.1	52.1	16.7	24.6	256	516	97.7	0.6	
a. Hodgkin	0	0	8	33	104	41	145	2.8	27.3	6.5	46.6	-	-	2.8	10.9	33.6	4.1	10.7	68	236	98.6	0.0	
b. Non-Hodgkin except BL	8	12	19	18	42	57	99	3.9	38.0	4.5	31.8	14.1	5.3	6.6	5.9	13.6	6.6	8.2	98	166	96.0	2.0	
c. Burkitt (BL)	0	4	14	11	8	29	37	2.0	19.3	1.7	11.9	-	1.8	4.9	3.6	2.6	3.2	3.0	50	62	100.0	0.0	
d. Lymphoreticular	5	9	4	4	2	22	24	1.5	14.7	1.1	7.7	8.8	4.0	1.4	1.3	0.6	2.7	2.3	38	41	95.8	0.0	
e. Unspecified	0	0	0	1	5	1	6	0.1	0.7	0.3	1.9	-	-	-	0.3	1.6	0.1	0.4	2	10	100.0	0.0	
III CNS NEOPLASMS †	32	99	114	116	151	361	512	24.9	100.0	23.1	100.0	56.3	43.7	39.7	38.2	48.8	41.8	43.4	621	865	76.4	0.2	
a. Ependymoma	3	11	8	9	15	31	46	2.1	8.6	2.1	9.0	5.3	4.9	2.8	3.0	4.8	3.7	3.9	53	78	91.3	0.0	
b. Astrocytoma	12	41	56	49	57	158	215	10.9	43.8	9.7	42.0	21.1	18.1	19.5	16.2	18.4	18.2	18.3	272	364	81.4	0.0	
c. CNS embryonal	7	27	21	18	7	73	80	5.0	20.2	3.6	15.6	12.3	11.9	7.3	5.9	2.3	8.7	7.3	126	138	97.5	0.0	
d. Other gliomas	2	12	15	18	24	47	71	3.2	13.0	3.2	13.9	3.5	5.3	5.2	5.9	7.8	5.3	5.9	80	119	49.3	0.0	
e. Other specified	3	4	9	18	39	34	73	2.3	9.4	3.3	14.3	5.3	1.8	3.1	5.9	12.6	3.7	5.7	58	121	76.7	0.0	
f. Unspecified CNS	5	4	5	4	9	18	27	1.2	5.0	1.2	5.3	8.8	1.8	1.7	1.3	2.9	2.2	2.3	31	46	18.5	3.7	
IV NEUROBLASTOMA	47	48	10	2	1	107	108	7.4	100.0	4.9	100.0	82.6	21.2	3.5	0.7	0.3	14.3	11.1	188	190	98.1	0.0	
a. (Ganglio)neuroblastoma	47	48	10	2	1	107	108	7.4	100.0	4.9	100.0	82.6	21.2	3.5	0.7	0.3	14.3	11.1	188	190	98.1	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	21	17	3	0	0	41	41	2.8	100.0	1.8	100.0	36.9	7.5	1.0	-	-	5.5	4.3	72	72	82.9	0.0	
VI RENAL TUMOURS	9	45	15	3	4	72	76	5.0	100.0	3.4	100.0	15.8	19.8	5.2	1.0	1.3	9.3	7.5	126	133	97.4	0.0	
a. Nephroblastoma	6	45	13	3	1	67	68	4.6	93.1	3.1	89.5	10.5	19.8	4.5	1.0	0.3	8.7	6.8	118	119	97.1	0.0	
b. Renal carcinoma	3	0	2	0	2	5	7	0.3	6.9	0.3	9.2	5.3	-	0.7	-	0.6	0.6	0.6	9	12	100.0	0.0	
c. Unspecified	0	0	0	0	1	0	1	-	-	0.0	1.3	-	-	-	-	0.3	-	0.1	-	2	2	100.0	0.0
VII HEPATIC TUMOURS	8	6	1	4	6	19	25	1.3	100.0	1.1	100.0	14.1	2.6	0.3	1.3	1.9	2.4	2.3	33	43	96.0	0.0	
a. Hepatoblastoma	8	5	1	2	2	16	18	1.1	84.2	0.8	72.0	14.1	2.2	0.3	0.7	0.6	2.1	1.8	28	31	100.0	0.0	
b. Hepatic carcinoma	0	1	0	2	4	3	7	0.2	15.8	0.3	28.0	-	0.4	-	0.7	1.3	0.3	0.5	5	12	85.7	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	6	21	45	44	72	116	5.0	100.0	5.2	100.0	-	2.6	7.3	14.8	14.2	7.5	9.0	121	192	100.0	0.0	
a. Osteosarcoma	0	2	6	21	24	29	53	2.0	40.3	2.4	45.7	-	0.9	2.1	6.9	7.8	3.0	4.0	49	87	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	2	0	2	-	-	0.1	1.7	-	-	-	-	0.6	-	0.1	-	3	3	100.0	0.0
c. Ewing & related	0	3	12	24	15	39	54	2.7	54.2	2.4	46.6	-	1.3	4.2	7.9	4.8	4.1	4.2	66	90	100.0	0.0	
d. Other specified	0	1	3	0	2	4	6	0.3	5.6	0.3	5.2	-	0.4	1.0	-	0.6	0.5	0.5	7	10	100.0	0.0	
e. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.9	-	-	-	-	0.3	-	0.1	-	2	2	100.0	0.0
IX SOFT TISSUE SARCOMA	6	21	20	30	48	77	125	5.3	100.0	5.6	100.0	10.5	9.3	7.0	9.9	15.5	8.8	10.3	132	209	100.0	0.0	
a. Rhabdomyosarcoma	4	14	13	11	13	42	55	2.9	54.5	2.5	44.0	7.0	6.2	4.5	3.6	4.2	5.0	4.8	73	94	100.0	0.0	
b. Fibrosarcoma	1	0	1	2	4	4	8	0.3	5.2	0.4	6.4	1.8	-	0.3	0.7	1.3	0.4	0.6	7	13	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	1	6	4	13	27	24	51	1.7	31.2	2.3	40.8	1.8	2.6	1.4	4.3	8.7	2.6	4.0	41	84	100.0	0.0	
e. Unspecified	0	1	2	4	4	7	11	0.5	9.1	0.5	8.8	-	0.4	0.7	1.3	1.3	0.7	0.9	12	18	100.0	0.0	
X GERM CELL TUMOURS	11	9	8	17	85	45	130	3.1	100.0	5.9	100.0	19.3	4.0	2.8	5.6	27.5	5.3	10.3	77	215	98.5	0.0	
a. CNS germ cell ‡	1	1	5	10	11	17	28	1.2	37.8	1.3	21.5	1.8	0.4	1.7	3.3	3.6	1.8	2.2	29	46	92.9	0.0	
b. Other extragonadal	7	7	0	6	14	20	10	1.0	31.1	0.9	15.4	12.3	3.1	-	-	1.9	1.9	1.9	25	34	100.0	0.0	
c. Gonadal germ cell	3	1	2	7	65	13	78	0.9	28.9	3.5	60.0	5.3	0.4	0.7	2.3	21.0	1.4	5.8	22	127	100.0	0.0	
d. Gonadal carcinoma	0	0	1	0	2	1	3	0.1	2.2	0.1	2.3	-	-	0.3	-	0.6	0.1	0.2	2	5	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.0	0.8	-	-	-	-	0.3	-	0.1	-	2	2	100.0	0.0
XI CARCINOMA & MELANOMA	8	3	9	41	177	61	238	4.2	100.0	10.7	100.0	14.1	1.3	3.1	13.5	57.2	6.4	17.9	103	389	99.6	0.0	
a. Adrenocortical	0	1	0	1	1	2	3	0.1	3.3	0.1	1.3	-	0.4	-	0.3	0.3	0.2	0.3	3	5	66.7	0.0	
b. Thyroid	0	0	3	10	59	13	72	0.9	21.3	3.2	30.3	-	-	1.0	3.3	19.1	1.3	5.3	22	117	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	2	0	2	-	-	0.1	0.8	-	-	-	-	0.6	-	0.1	-	3	3	100.0	0.0
d. Melanoma	5	2	5	15	80	27	107	1.9	44.3	4.8	45.0	8.8	0.9	1.7	4.9	25.9	3.0	8.1	46	175	100.0	0.0	
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.0	0.4	-	-	-	-	0.3	-	0.1	-	2	2	100.0	0.0
f. Other & unspecified	3	0	1	15	34	19	53	1.3	31.1	2.4	22.3	5.3	-	0.3	4.9	11.0	2.0	4.0	32	87	100.0	0.0	
XII OTHER & UNSPECIFIED	4	2	1	2	4	9	13	0.6	100.0	0.6	100.0	7.0	0.9	0.3	0.7	1.3	1.1	1.2	16	22	69.2	0.0	
a. Other specified	2	2	0	1	2	5	7	0.3	55.6	0.3	53.8	3.5	0.9	-	0.3	0.6	0.6	0.6	9	12	100.0	0.0	
b. Other unspecified	2	0	1	1	2	4	6	0.3	44.4	0.3	46.2	3.5	-	0.3	0.3	0.6	0.5	0.5	7	10	33.3	0.0	
TOTAL	178	510	345	416	771	1449	2220	100.0	100.0	100.0	100.0	313.0	224.9	120.2	137.1	249.3	172.5	189.8	2499	3746	92.3	0.3	

† includes 98 non-malignant ‡ includes 3 non-malignant

Please consult the quality indicators for this registry

USA, Arizona, NH White (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	10	112	57	53	47	232	279	54.9	49.2	1.1	1.1	9	117	41	36	43	203	246	51.7	46.6		
a. Lymphoid	5	97	51	39	23	192	215	45.7	38.6	1.2	1.2	3	98	34	21	17	156	173	40.2	33.7		
b. Acute myeloid	2	9	2	6	17	19	36	4.5	5.9	0.6	0.8	6	12	4	9	16	31	47	7.7	8.4		
c. CMD	0	0	2	5	7	7	14	1.4	2.0	2.3	1.6	0	1	0	2	6	3	9	0.7	1.4		
d. MDS & other	1	4	1	0	0	6	6	1.6	1.2	1.5	1.0	0	3	1	0	2	4	6	1.1	1.1		
e. Unspecified	2	2	1	3	0	8	8	1.8	1.4	0.9	0.7	0	3	2	4	2	9	11	2.1	1.9		
II LYMPHOMA & RELATED	7	19	31	41	91	98	189	21.4	29.4	1.9	1.5	6	6	14	26	70	52	122	11.7	19.6		
a. Hodgkin	0	0	6	17	56	23	79	4.5	11.4	1.3	1.2	0	0	2	16	48	18	66	3.6	10.0		
b. Non-Hodgkin except BL	5	9	11	11	25	36	61	8.2	9.9	1.7	1.6	3	3	8	7	17	21	38	4.9	6.3		
c. Burkitt (BL)	0	3	12	9	6	24	30	5.1	4.8	4.8	4.3	0	1	2	2	2	5	7	1.1	1.2		
d. Lymphoreticular	2	7	2	3	2	14	16	3.4	2.9	1.8	2.0	3	2	2	1	0	8	8	2.1	1.6		
e. Unspecified	0	0	0	1	2	1	3	0.2	0.4	-	1.0	0	0	0	0	3	0	3	-	0.5		
III CNS NEOPLASMS †	14	53	60	57	80	184	264	41.6	43.6	1.0	1.1	18	46	54	59	71	177	248	41.9	43.2		
a. Ependymoma	1	8	6	4	9	19	28	4.5	4.7	1.6	1.6	2	3	2	5	6	12	18	2.8	3.1		
b. Astrocytoma	5	18	27	24	29	74	103	16.5	16.9	0.9	0.9	7	23	29	25	28	84	112	20.0	19.7		
c. CNS embryonal	5	18	12	8	7	43	50	10.3	8.9	1.4	1.7	2	9	9	10	0	30	30	7.1	5.5		
d. Other gliomas	1	5	8	8	14	22	36	4.8	5.7	0.9	1.0	1	7	7	10	10	25	35	5.8	6.0		
e. Other specified	2	1	3	11	15	17	32	3.5	4.8	1.0	0.8	1	3	6	7	24	17	41	3.9	6.6		
f. Unspecified CNS	0	3	4	2	6	9	15	2.0	2.4	1.0	1.3	5	1	1	2	3	9	12	2.3	2.2		
IV NEUROBLASTOMA	19	20	4	1	1	44	45	11.5	9.0	0.7	0.7	28	28	6	1	0	63	63	17.2	13.4		
a. (Ganglio)neuroblastoma	19	20	4	1	1	44	45	11.5	9.0	0.7	0.7	28	28	6	1	0	63	63	17.2	13.4		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	11	10	2	0	0	23	23	6.0	4.7	1.3	1.3	10	7	1	0	0	18	18	5.0	3.9		
VI RENAL TUMOURS	5	17	8	1	3	31	34	7.8	6.5	0.8	0.8	4	28	7	2	1	41	42	10.9	8.6		
a. Nephroblastoma	3	17	6	1	1	27	28	6.8	5.4	0.7	0.7	3	28	7	2	0	40	40	10.7	8.3		
b. Renal carcinoma	2	0	2	0	1	4	5	1.0	0.9	4.0	2.5	1	0	0	0	1	1	2	0.3	0.4		
c. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	6	3	1	2	0	12	12	3.0	2.3	1.7	0.9	2	3	0	2	6	7	13	1.8	2.3		
a. Hepatoblastoma	6	3	1	1	0	11	11	2.8	2.2	2.2	1.6	2	2	0	1	2	5	7	1.3	1.3		
b. Hepatic carcinoma	0	0	0	1	0	1	1	0.2	0.1	0.5	0.2	0	1	0	1	4	2	6	0.5	1.0		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	2	11	24	23	37	60	7.4	9.0	1.1	1.1	0	4	10	21	21	35	56	7.6	9.0		
a. Osteosarcoma	0	1	4	13	12	18	30	3.6	4.5	1.6	1.3	0	1	2	8	12	11	23	2.3	3.6		
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.1	-	1.0	0	0	0	0	1	0	1	-	0.2		
c. Ewing & related	0	1	6	11	9	18	27	3.6	4.1	0.9	1.0	0	2	6	13	6	21	27	4.5	4.4		
d. Other specified	0	0	1	0	0	1	1	0.2	0.2	0.3	0.2	0	1	2	0	2	3	5	0.7	0.9		
e. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	6	12	13	17	29	48	77	10.8	12.5	1.7	1.6	0	9	7	13	19	29	48	6.7	8.0		
a. Rhabdomyosarcoma	4	8	9	5	9	26	35	6.1	6.0	1.6	1.8	0	6	4	6	4	16	20	3.8	3.5		
b. Fibrosarcoma	1	0	1	1	2	3	5	0.7	0.8	3.0	1.7	0	0	0	1	2	1	3	0.2	0.5		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	3	1	8	17	13	30	2.8	4.6	1.2	1.4	0	3	3	5	10	11	21	2.5	3.4		
e. Unspecified	0	1	2	3	1	6	7	1.3	1.1	6.0	1.8	0	0	0	1	3	1	4	0.2	0.6		
X GERM CELL TUMOURS	8	1	2	9	68	20	88	4.5	13.1	0.8	2.1	3	8	6	8	17	25	42	6.0	7.2		
a. CNS germ cell ‡	1	0	2	6	8	9	17	1.8	2.5	1.1	1.5	0	1	3	4	3	8	11	1.8	1.8		
b. Other extragonadal	4	0	0	0	5	4	9	1.1	1.5	0.4	0.8	3	7	0	0	1	10	11	2.8	2.3		
c. Gonadal germ cell	3	1	0	3	55	7	62	1.6	9.0	1.2	3.9	0	0	2	4	10	6	16	1.2	2.5		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	2	1	3	0.2	0.5		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.2		
XI CARCINOMA & MELANOMA	5	0	4	16	56	25	81	5.2	11.9	0.7	0.5	3	3	5	25	121	36	157	7.7	24.2		
a. Adrenocortical	0	0	0	0	1	0	1	-	0.1	0.0	0.5	0	1	0	1	0	2	2	0.5	0.4		
b. Thyroid	0	0	1	5	7	6	13	1.2	1.9	0.9	0.2	0	0	2	5	52	7	59	1.4	8.9		
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.1	-	1.0	0	0	0	0	1	0	1	-	0.2		
d. Melanoma	3	0	2	7	37	12	49	2.5	7.2	0.8	0.8	2	2	3	8	43	15	58	3.4	9.1		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.2		
f. Other & unspecified	2	0	1	4	10	7	17	1.5	2.6	0.6	0.5	1	0	0	11	24	12	36	2.4	5.5		
XII OTHER & UNSPECIFIED	2	1	1	2	1	6	7	1.4	1.2	2.0	1.2	2	1	0	0	3	3	6	0.8	1.1		
a. Other specified	2	1	0	1	0	4	4	1.0	0.8	4.0	1.3	0	1	0	0	2	1	3	0.3	0.5		
b. Other unspecified	0	0	1	1	1	2	3	0.4	0.5	1.0	1.0	2	0	0	0	1	2	3	0.6	0.6		
TOTAL	93	250	194	223	399	760	1159	175.6	192.4	1.1	1.1	85	260	151	193	372	689	1061	169.2	187.0		

† includes 49 non-malignant in males and 49 non-malignant in females ‡ includes 1 non-malignant in males and 2 non-malignant in females

Please consult the quality indicators for this registry

USA, Arizona, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	290 698	278 023
	1-4	1 159 770	1 107 457
	5-9	1 473 899	1 397 336
	10-14	1 556 208	1 477 200
	15-19	1 594 538	1 498 296
Total	0-14	4 480 575	4 260 016
	0-19	6 075 113	5 758 312
Average annual population	0-14	298 705	284 001
	0-19	405 008	383 887

Please consult the quality indicators for this registry