

USA, Oregon, 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
I LEUKAEMIA	21	193	105	80	92	399	491	29.2	100.0	23.0	100.0	44.2	99.9	41.2	28.8	31.6	56.1	50.6	795	953	98.8	0.0
a. Lymphoid	7	167	85	57	49	316	365	23.1	79.2	17.1	74.3	14.7	86.5	33.4	20.5	16.8	44.7	38.4	631	715	99.5	0.0
b. Acute myeloid	6	17	12	16	31	51	82	3.7	12.8	3.8	16.7	12.6	8.8	4.7	5.8	10.6	6.9	7.7	100	153	100.0	0.0
c. CMD	1	2	3	2	7	8	15	0.6	2.0	0.7	3.1	2.1	1.0	1.2	0.7	2.4	1.1	1.4	16	28	93.3	0.0
d. MDS & other	5	6	2	3	5	16	21	1.2	4.0	1.0	4.3	10.5	3.1	0.8	1.1	1.7	2.3	2.2	32	41	90.5	0.0
e. Unspecified	2	1	3	2	0	8	8	0.6	2.0	0.4	1.6	4.2	0.5	1.2	0.7	-	1.1	0.8	16	16	87.5	0.0
II LYMPHOMA & RELATED	5	26	36	82	191	149	340	10.9	100.0	15.9	100.0	10.5	13.5	14.1	29.5	65.5	18.1	28.8	283	610	99.7	0.3
a. Hodgkin	0	1	5	45	127	51	178	3.7	34.2	8.3	52.4	-	0.5	2.0	16.2	43.6	5.5	14.1	93	311	100.0	0.0
b. Non-Hodgkin except BL	1	9	17	25	42	52	94	3.8	34.9	4.4	27.6	2.1	4.7	6.7	9.0	14.4	6.4	8.2	99	171	100.0	0.0
c. Burkitt (BL)	0	5	10	12	17	27	44	2.0	18.1	2.1	12.9	-	2.6	3.9	4.3	5.8	3.3	3.9	52	81	100.0	0.0
d. Lymphoreticular	4	11	4	0	3	19	22	1.4	12.8	1.0	6.5	8.4	5.7	1.6	-	1.0	2.9	2.5	39	44	95.5	4.5
e. Unspecified	0	0	0	0	2	0	2	-	-	0.1	0.6	-	-	-	-	0.7	-	0.2	-	3	100.0	0.0
III CNS NEOPLASMS †	20	101	123	127	141	371	512	27.2	100.0	24.0	100.0	42.1	52.3	48.3	45.7	48.4	48.3	48.3	721	963	76.8	0.4
a. Ependymoma	5	11	3	7	11	26	37	1.9	7.0	1.7	7.2	10.5	5.7	1.2	2.5	3.8	3.7	3.7	52	71	100.0	0.0
b. Astrocytoma	7	43	50	51	50	151	201	11.1	40.7	9.4	39.3	14.7	22.3	19.6	18.4	17.2	19.7	19.1	294	380	82.1	0.0
c. CNS embryonal	4	26	33	16	6	79	85	5.8	21.3	4.0	16.6	8.4	13.5	12.9	5.8	2.1	10.7	8.7	156	166	100.0	0.0
d. Other gliomas	1	11	16	21	19	49	68	3.6	13.2	3.2	13.3	2.1	5.7	6.3	7.6	6.5	6.2	6.2	94	127	35.3	0.0
e. Other specified	2	7	18	27	53	54	107	4.0	14.6	5.0	20.9	4.2	3.6	7.1	9.7	18.2	6.5	9.2	103	194	73.8	0.0
f. Unspecified CNS	1	3	3	5	2	12	14	0.9	3.2	0.7	2.7	2.1	1.6	1.2	1.8	0.7	1.5	1.4	23	27	21.4	14.3
IV NEUROBLASTOMA	30	38	5	1	0	74	74	5.4	100.0	3.5	100.0	63.1	19.7	2.0	0.4	-	11.7	9.0	153	153	97.3	0.0
a. (Ganglio)neuroblastoma	30	38	5	1	0	74	74	5.4	100.0	3.5	100.0	63.1	19.7	2.0	0.4	-	11.7	9.0	153	153	97.3	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	15	16	2	0	0	33	33	2.4	100.0	1.5	100.0	31.6	8.3	0.8	-	-	5.2	4.1	68	68	60.6	0.0
VI RENAL TUMOURS	13	42	27	3	4	85	89	6.2	100.0	4.2	100.0	27.4	21.7	10.6	1.1	1.4	12.6	10.1	173	180	98.9	0.0
a. Nephroblastoma	13	42	26	2	2	83	85	6.1	97.6	4.0	95.5	27.4	21.7	10.2	0.7	0.7	12.3	9.7	169	172	98.8	0.0
b. Renal carcinoma	0	0	1	1	2	2	4	0.1	2.4	0.2	4.5	-	-	0.4	0.4	0.7	0.2	0.3	4	7	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	5	8	2	1	7	16	23	1.2	100.0	1.1	100.0	10.5	4.1	0.8	0.4	2.4	2.4	2.4	33	45	100.0	0.0
a. Hepatoblastoma	5	8	2	1	0	16	16	1.2	100.0	0.7	69.6	10.5	4.1	0.8	0.4	-	2.4	1.9	33	33	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	7	0	7	-	-	0.3	30.4	-	-	-	-	2.4	-	0.5	-	12	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	6	15	38	54	59	113	4.3	100.0	5.3	100.0	-	3.1	5.9	13.7	18.5	6.8	9.5	110	203	99.1	0.0
a. Osteosarcoma	0	1	4	22	35	27	62	2.0	45.8	2.9	54.9	-	0.5	1.6	7.9	12.0	3.0	5.0	50	110	100.0	0.0
b. Chondrosarcoma	0	0	0	1	2	1	3	0.1	1.7	0.1	2.7	-	-	-	0.4	0.7	0.1	0.2	2	5	100.0	0.0
c. Ewing & related	0	5	10	13	14	28	42	2.0	47.5	2.0	37.2	-	2.6	3.9	4.7	4.8	3.4	3.7	53	77	97.6	0.0
d. Other specified	0	0	1	2	2	3	5	0.2	5.1	0.2	4.4	-	-	0.4	0.7	0.7	0.3	0.4	6	9	100.0	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.9	-	-	-	-	0.3	-	0.1	-	2	100.0	0.0
IX SOFT TISSUE SARCOMA	6	24	14	27	35	71	106	5.2	100.0	5.0	100.0	12.6	12.4	5.5	9.7	12.0	9.4	10.0	138	198	98.1	0.0
a. Rhabdomyosarcoma	2	18	9	13	4	42	46	3.1	59.2	2.2	43.4	4.2	9.3	3.5	4.7	1.4	5.7	4.7	83	89	100.0	0.0
b. Fibrosarcoma	2	1	1	3	6	7	13	0.5	9.9	0.6	12.3	4.2	0.5	0.4	1.1	2.1	0.9	1.2	14	24	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	4	3	11	18	20	38	1.5	28.2	1.8	35.8	4.2	2.1	1.2	4.0	6.2	2.5	3.3	38	69	100.0	0.0
e. Unspecified	0	1	1	0	7	2	9	0.1	2.8	0.4	8.5	-	0.5	0.4	-	2.4	0.3	0.8	4	16	77.8	0.0
X GERM CELL TUMOURS	5	7	10	19	88	41	129	3.0	100.0	6.0	100.0	10.5	3.6	3.9	6.8	30.2	5.2	10.8	79	230	96.1	0.0
a. CNS germ cell ‡	0	1	5	8	4	14	18	1.0	34.1	0.8	14.0	-	0.5	2.0	2.9	1.4	1.6	1.6	26	33	88.9	0.0
b. Other extragonadal	3	5	1	1	4	10	14	0.7	24.4	0.7	10.9	6.3	2.6	0.4	0.4	1.4	1.5	1.5	20	27	92.9	0.0
c. Gonadal germ cell	2	1	3	8	73	14	87	1.0	34.1	4.1	67.4	4.2	0.5	1.2	2.9	25.0	1.7	7.0	27	152	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	5	1	6	0.1	2.4	0.3	4.7	-	-	-	0.4	1.7	0.1	0.5	2	10	83.3	0.0
e. Unspecified gonadal	0	0	1	1	2	2	4	0.1	4.9	0.2	3.1	-	-	0.4	0.4	0.7	0.2	0.3	4	7	75.0	0.0
XI CARCINOMA & MELANOMA	5	2	16	42	156	65	221	4.8	100.0	10.3	100.0	10.5	1.0	6.3	15.1	53.5	7.5	17.9	122	389	99.5	0.0
a. Adrenocortical	1	0	0	0	1	1	2	0.1	1.5	0.1	0.9	2.1	-	-	-	0.3	0.2	0.2	2	4	100.0	0.0
b. Thyroid	0	0	8	19	50	27	77	2.0	41.5	3.6	34.8	-	-	3.1	6.8	17.2	3.0	6.2	50	136	100.0	0.0
c. Nasopharyngeal	0	0	0	0	2	0	2	-	-	0.1	0.9	-	-	-	-	0.7	-	0.2	-	3	100.0	0.0
d. Melanoma	4	2	6	12	81	24	105	1.8	36.9	4.9	47.5	8.4	1.0	2.4	4.3	27.8	3.0	8.6	46	185	99.0	0.0
e. Skin carcinoma	0	0	0	1	0	1	1	0.1	1.5	0.0	0.5	-	-	-	0.4	-	0.1	0.1	2	2	100.0	0.0
f. Other & unspecified	0	0	2	10	22	12	34	0.9	18.5	1.6	15.4	-	-	0.8	3.6	7.5	1.3	2.7	22	60	100.0	0.0
XII OTHER & UNSPECIFIED	1	2	0	0	3	3	6	0.2	100.0	0.3	100.0	2.1	1.0	-	-	1.0	0.5	0.6	6	11	100.0	0.0
a. Other specified	1	2	0	0	1	3	4	0.2	100.0	0.2	66.7	2.1	1.0	-	-	0.3	0.5	0.5	6	8	100.0	0.0
b. Other unspecified	0	0	0	0	2	0	2	-	-	0.1	33.3	-	-	-	-	0.7	-	0.2	-	3	100.0	0.0
TOTAL	126	465	355	420	771	1366	2137	100.0	100.0	100.0	100.0	265.1	240.8	139.3	151.2	264.5	183.9	202.0	2681	4003	92.9	0.1

† includes 122 non-malignant ‡ includes 3 non-malignant

Please consult the quality indicators for this registry

USA, Oregon, 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	11	95	54	50	57	210	267	56.8	52.6	1.1	1.2	10	98	51	30	35	189	224	55.3	48.4		
a. Lymphoid	2	79	40	37	36	158	194	42.8	38.6	1.0	1.1	5	88	45	20	13	158	171	46.7	38.2		
b. Acute myeloid	5	10	8	10	15	33	48	8.7	9.0	1.8	1.4	1	7	4	6	16	18	34	5.0	6.4		
c. CMD	0	2	3	1	4	6	10	1.6	1.8	3.0	2.0	1	0	0	1	3	2	5	0.5	0.9		
d. MDS & other	4	4	1	1	2	10	12	3.0	2.6	1.7	1.3	1	2	1	2	3	6	9	1.7	1.8		
e. Unspecified	0	0	2	1	0	3	3	0.7	0.5	0.6	0.6	2	1	1	1	0	5	5	1.5	1.1		
II LYMPHOMA & RELATED	3	17	29	53	111	102	213	24.2	35.6	2.2	1.7	2	9	7	29	80	47	127	11.7	21.7		
a. Hodgkin	0	1	4	26	61	31	92	6.6	14.3	1.6	1.1	0	0	1	19	66	20	86	4.3	13.8		
b. Non-Hodgkin except BL	0	5	14	18	32	37	69	8.7	11.6	2.5	2.8	1	4	3	7	10	15	25	3.9	4.6		
c. Burkitt (BL)	0	5	9	9	14	23	37	5.6	6.5	5.8	5.3	0	0	1	3	3	4	7	0.9	1.2		
d. Lymphoreticular	3	6	2	0	2	11	13	3.3	2.9	1.4	1.4	1	5	2	0	1	8	9	2.5	2.1		
e. Unspecified	0	0	0	0	2	0	2	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	13	59	66	64	75	202	277	51.9	51.6	1.2	1.2	7	42	57	63	66	169	235	44.5	44.9		
a. Ependymoma	4	9	1	4	7	18	25	5.1	5.0	2.3	2.1	1	2	2	3	4	8	12	2.2	2.3		
b. Astrocytoma	4	27	21	23	27	75	102	19.6	19.3	1.0	1.0	3	16	29	28	23	76	99	19.8	19.0		
c. CNS embryonal	2	16	24	10	4	52	56	13.6	11.2	1.9	1.9	2	10	9	6	2	27	29	7.6	6.2		
d. Other gliomas	1	3	9	9	14	22	36	5.3	6.2	0.8	1.1	0	8	7	12	5	27	32	7.0	6.2		
e. Other specified	1	3	10	17	21	31	52	7.2	8.7	1.3	0.9	1	4	8	10	32	23	55	5.9	9.6		
f. Unspecified CNS	1	1	1	1	2	4	6	1.1	1.1	0.5	0.8	0	2	2	4	0	8	8	2.0	1.6		
IV NEUROBLASTOMA	20	24	3	1	0	48	48	14.7	11.4	1.8	1.8	10	14	2	0	0	26	26	8.4	6.5		
a. (Ganglio)neuroblastoma	20	24	3	1	0	48	48	14.7	11.4	1.8	1.8	10	14	2	0	0	26	26	8.4	6.5		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	6	8	2	0	0	16	16	4.9	3.8	0.9	0.9	9	8	0	0	0	17	17	5.6	4.4		
VI RENAL TUMOURS	9	18	12	1	1	40	41	11.6	9.2	0.9	0.9	4	24	15	2	3	45	48	13.6	11.0		
a. Nephroblastoma	9	18	11	1	0	39	39	11.4	8.8	0.9	0.8	4	24	15	1	2	44	46	13.4	10.7		
b. Renal carcinoma	0	0	1	0	1	1	2	0.2	0.3	1.0	1.0	0	0	0	1	1	1	2	0.2	0.3		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	3	3	0	0	4	6	10	1.9	2.1	0.6	0.8	2	5	2	1	3	10	13	3.0	2.8		
a. Hepatoblastoma	3	3	0	0	0	6	6	1.9	1.5	0.6	0.6	2	5	2	1	0	10	10	3.0	2.4		
b. Hepatic carcinoma	0	0	0	0	4	0	4	-	0.6	-	1.3	0	0	0	0	3	0	3	-	0.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	2	7	20	37	29	66	6.4	10.6	1.0	1.4	0	4	8	18	17	30	47	7.3	8.3		
a. Osteosarcoma	0	0	2	13	24	15	39	3.1	6.1	1.3	1.7	0	1	2	9	11	12	23	2.8	3.9		
b. Chondrosarcoma	0	0	0	1	0	1	1	0.2	0.2	-	0.5	0	0	0	0	2	0	2	-	0.3		
c. Ewing & related	0	2	5	4	12	11	23	2.7	3.9	0.6	1.2	0	3	5	9	2	17	19	4.2	3.6		
d. Other specified	0	0	0	2	1	2	3	0.4	0.5	2.0	1.5	0	0	1	0	1	1	2	0.3	0.4		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.2		
IX SOFT TISSUE SARCOMA	1	12	7	13	17	33	50	8.5	9.1	0.9	0.9	5	12	7	14	18	38	56	10.4	10.9		
a. Rhabdomyosarcoma	0	11	5	6	3	22	25	5.9	5.0	1.1	1.2	2	7	4	7	1	20	21	5.5	4.4		
b. Fibrosarcoma	1	0	1	1	3	3	6	0.8	1.0	0.8	0.9	1	1	0	2	3	4	7	1.1	1.3		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	6	9	6	15	1.2	2.3	0.4	0.7	2	4	3	5	9	14	23	3.8	4.4		
e. Unspecified	0	1	1	0	2	2	4	0.6	0.7	-	0.8	0	0	0	0	5	0	5	-	0.8		
X GERM CELL TUMOURS	2	4	4	9	72	19	91	4.7	14.5	0.9	2.4	3	3	6	10	16	22	38	5.7	6.9		
a. CNS germ cell ‡	0	1	3	7	3	11	14	2.5	2.4	3.7	3.5	0	0	2	1	1	3	4	0.7	0.7		
b. Other extragonadal	1	2	1	1	3	5	8	1.4	1.5	1.0	1.3	2	3	0	0	1	5	6	1.7	1.4		
c. Gonadal germ cell	1	1	0	1	64	3	67	0.8	10.3	0.3	3.4	1	0	3	7	9	11	20	2.6	3.4		
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.2	0.0	0.2	0	0	0	1	4	1	5	0.2	0.8		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.2	0.0	0.3	0	0	1	1	1	2	3	0.5	0.5		
XI CARCINOMA & MELANOMA	2	1	4	15	55	22	77	5.0	12.2	0.5	0.5	3	1	12	27	101	43	144	10.2	23.9		
a. Adrenocortical	0	0	0	0	1	0	1	-	0.2	0.0	1.0	1	0	0	0	0	1	1	0.3	0.3		
b. Thyroid	0	0	4	7	10	11	21	2.4	3.4	0.7	0.4	0	0	4	12	40	16	56	3.6	9.1		
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.2	-	1.0	0	0	0	0	1	0	1	-	0.2		
d. Melanoma	2	1	0	4	31	7	38	1.8	6.0	0.4	0.6	2	1	6	8	50	17	67	4.3	11.2		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.2	0.2		
f. Other & unspecified	0	0	0	4	12	4	16	0.8	2.4	0.5	0.9	0	0	2	6	10	8	18	1.8	3.0		
XII OTHER & UNSPECIFIED	1	0	0	0	0	1	1	0.3	0.2	0.5	0.2	0	2	0	0	3	2	5	0.7	1.0		
a. Other specified	1	0	0	0	0	1	1	0.3	0.2	0.5	0.3	0	2	0	0	1	2	3	0.7	0.7		
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.3		
TOTAL	71	243	188	226	429	728	1157	191.0	212.8	1.1	1.2	55	222	167	194	342	638	980	176.5	190.7		

† includes 61 non-malignant in males and 61 non-malignant in females ‡ includes 2 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for this registry

USA, Oregon, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	244 062	231 160
	1-4	990 307	940 885
	5-9	1 305 680	1 242 761
	10-14	1 424 650	1 352 821
	15-19	1 489 121	1 425 384
Total	0-14	3 964 699	3 767 627
	0-19	5 453 820	5 193 011
Average annual population	0-14	264 313	251 175
	0-19	363 588	346 201

Please consult the quality indicators for this registry