

USA, Washington State (1998-2012)

	Number of cases								Percentage				Incidence rates per million person-years								MV %	DCO %
	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	64	426	240	205	201	935	1136	29.0	100.0	23.1	100.0	51.1	86.1	38.2	31.2	30.1	52.0	47.1	742	893	97.9	0.2
a. Lymphoid	33	371	193	141	115	738	853	22.9	78.9	17.4	75.1	26.4	75.0	30.7	21.5	17.2	41.4	35.9	587	673	98.8	0.2
b. Acute myeloid	22	39	37	41	48	139	187	4.3	14.9	3.8	16.5	17.6	7.9	5.9	6.2	7.2	7.5	7.4	110	146	98.4	0.0
c. CMD	0	3	3	11	25	17	42	0.5	1.8	0.9	3.7	-	0.6	0.5	1.7	3.7	0.8	1.5	13	32	90.5	0.0
d. MDS & other	8	10	6	10	12	34	46	1.1	3.6	0.9	4.0	6.4	2.0	1.0	1.5	1.8	1.9	1.9	27	36	84.8	0.0
e. Unspecified	1	3	1	2	1	7	8	0.2	0.7	0.2	0.7	0.8	0.6	0.2	0.3	0.1	0.4	0.3	6	6	100.0	0.0
II LYMPHOMA & RELATED	9	58	98	155	351	320	671	9.9	100.0	13.7	100.0	7.2	11.7	15.6	23.6	52.6	16.1	24.3	250	513	99.7	0.0
a. Hodgkin	0	6	20	73	224	99	323	3.1	30.9	6.6	48.1	-	1.2	3.2	11.1	33.6	4.6	11.1	76	244	99.7	0.0
b. Non-Hodgkin except BL	2	27	48	56	107	133	240	4.1	41.6	4.9	35.8	1.6	5.5	7.6	8.5	16.0	6.7	8.8	104	184	100.0	0.0
c. Burkitt (BL)	0	11	17	19	15	47	62	1.5	14.7	1.3	9.2	-	2.2	2.7	2.9	2.2	2.4	2.4	37	48	100.0	0.0
d. Lymphoreticular	7	14	12	7	2	40	42	1.2	12.5	0.9	6.3	5.6	2.8	1.9	1.1	0.3	2.2	1.8	32	33	100.0	0.0
e. Unspecified	0	0	1	0	3	1	4	0.0	0.3	0.1	0.6	-	-	0.2	-	0.4	0.1	0.1	1	3	75.0	0.0
III CNS NEOPLASMS †	51	262	292	282	328	887	1215	27.5	100.0	24.7	100.0	40.7	53.0	46.4	42.9	49.2	47.0	47.5	699	945	70.8	0.2
a. Ependymoma	10	33	19	15	17	77	94	2.4	8.7	1.9	7.7	8.0	6.7	3.0	2.3	2.5	4.3	3.9	61	74	94.7	0.0
b. Astrocytoma	18	113	114	113	104	358	462	11.1	40.4	9.4	38.0	14.4	22.8	18.1	17.2	15.6	19.0	18.3	282	360	82.9	0.2
c. CNS embryonal	10	53	53	29	23	145	168	4.5	16.3	3.4	13.8	8.0	10.7	8.4	4.4	3.4	7.9	6.9	115	132	98.8	0.0
d. Other gliomas	4	34	60	50	42	148	190	4.6	16.7	3.9	15.6	3.2	6.9	9.5	7.6	6.3	7.7	7.4	116	148	32.6	0.0
e. Other specified	6	26	41	64	132	137	269	4.3	15.4	5.5	22.1	4.8	5.3	6.5	9.7	19.8	6.9	9.8	107	206	58.0	0.4
f. Unspecified CNS	3	3	5	11	10	22	32	0.7	2.5	0.7	2.6	2.4	0.6	0.8	1.7	1.5	1.1	1.2	17	25	12.5	0.0
IV NEUROBLASTOMA	89	106	17	6	8	218	226	6.8	100.0	4.6	100.0	71.1	21.4	2.7	0.9	1.2	13.3	10.6	175	181	96.9	0.0
a. (Ganglio)neuroblastoma	89	106	17	4	3	216	219	6.7	99.1	4.5	96.9	71.1	21.4	2.7	0.6	0.4	13.2	10.4	174	176	96.8	0.0
b. Peripheral nervous	0	0	0	2	5	2	7	0.1	0.9	0.1	3.1	-	-	-	0.3	0.7	0.1	0.2	2	5	100.0	0.0
V RETINOBLASTOMA	26	49	2	0	0	77	77	2.4	100.0	1.6	100.0	20.8	9.9	0.3	-	-	4.8	3.7	62	62	72.7	0.0
VI RENAL TUMOURS	20	108	38	7	12	173	185	5.4	100.0	3.8	100.0	16.0	21.8	6.0	1.1	1.8	10.3	8.3	139	148	97.8	0.5
a. Nephroblastoma	19	107	34	4	2	164	166	5.1	94.8	3.4	89.7	15.2	21.6	5.4	0.6	0.3	9.8	7.7	132	133	98.8	0.0
b. Renal carcinoma	0	1	4	3	10	8	18	0.2	4.6	0.4	9.7	-	0.2	0.6	0.5	1.5	0.4	0.6	6	14	94.4	0.0
c. Unspecified	1	0	0	0	0	1	1	0.0	0.6	0.0	0.5	0.8	-	-	-	-	0.1	0.0	1	1	0.0	100.0
VII HEPATIC TUMOURS	14	30	8	6	13	58	71	1.8	100.0	1.4	100.0	11.2	6.1	1.3	0.9	1.9	3.4	3.1	46	56	97.2	0.0
a. Hepatoblastoma	14	30	7	1	0	52	52	1.6	89.7	1.1	73.2	11.2	6.1	1.1	0.2	-	3.2	2.4	42	42	100.0	0.0
b. Hepatic carcinoma	0	0	1	5	13	6	19	0.2	10.3	0.4	26.8	-	-	0.2	0.8	1.9	0.3	0.6	5	14	89.5	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	1	5	32	78	92	116	208	3.6	100.0	4.2	100.0	0.8	1.0	5.1	11.9	13.8	5.5	7.3	90	159	96.6	1.0
a. Osteosarcoma	1	4	16	44	47	65	112	2.0	56.0	2.3	53.8	0.8	0.8	2.5	6.7	7.0	3.1	4.0	50	85	97.3	0.9
b. Chondrosarcoma	0	0	0	2	10	2	12	0.1	1.7	0.2	5.8	-	-	-	0.3	1.5	0.1	0.4	2	9	100.0	0.0
c. Ewing & related	0	0	13	30	32	43	75	1.3	37.1	1.5	36.1	-	-	2.1	4.6	4.8	2.0	2.6	33	57	96.0	1.3
d. Other specified	0	1	1	0	3	2	5	0.1	1.7	0.1	2.4	-	0.2	0.2	-	0.4	0.1	0.2	2	4	100.0	0.0
e. Unspecified	0	0	2	2	0	4	4	0.1	3.4	0.1	1.9	-	-	0.3	0.3	-	0.2	0.1	3	3	75.0	0.0
IX SOFT TISSUE SARCOMA	22	59	48	69	122	198	320	6.1	100.0	6.5	100.0	17.6	11.9	7.6	10.5	18.3	10.6	12.3	156	247	99.1	0.6
a. Rhabdomyosarcoma	5	43	31	17	25	96	121	3.0	48.5	2.5	37.8	4.0	8.7	4.9	2.6	3.7	5.3	5.0	76	95	98.3	1.7
b. Fibrosarcoma	9	3	1	9	7	22	29	0.7	11.1	0.6	9.1	7.2	0.6	0.2	1.4	1.0	1.2	1.2	17	23	96.6	0.0
c. Kaposi sarcoma	0	0	0	0	2	0	2	-	-	0.0	0.6	-	-	-	-	0.3	-	0.1	-	1	100.0	0.0
d. Other specified	7	10	13	35	76	65	141	2.0	32.8	2.9	44.1	5.6	2.0	2.1	5.3	11.4	3.3	5.1	51	108	100.0	0.0
e. Unspecified	1	3	3	8	12	15	27	0.5	7.6	0.5	8.4	0.8	0.6	0.5	1.2	1.8	0.8	1.0	12	21	100.0	0.0
X GERM CELL TUMOURS	20	23	7	38	174	88	262	2.7	100.0	5.3	100.0	16.0	4.6	1.1	5.8	26.1	4.7	9.5	69	200	97.3	0.0
a. CNS germ cell ‡	5	4	4	17	7	30	37	0.9	34.1	0.8	14.1	4.0	0.8	0.6	2.6	1.0	1.5	1.4	23	29	83.8	0.0
b. Other extragonadal	12	14	0	2	12	28	40	0.9	31.8	0.8	15.3	9.6	2.8	-	0.3	1.8	1.7	1.7	22	31	100.0	0.0
c. Gonadal germ cell	2	5	3	17	147	27	174	0.8	30.7	3.5	66.4	1.6	1.0	0.5	2.6	22.0	1.3	6.0	21	131	99.4	0.0
d. Gonadal carcinoma	0	0	0	2	6	2	8	0.1	2.3	0.2	3.1	-	-	-	0.3	0.9	0.1	0.3	2	6	100.0	0.0
e. Unspecified gonadal	1	0	0	0	2	1	3	0.0	1.1	0.1	1.1	0.8	-	-	-	0.3	0.1	0.1	1	2	100.0	0.0
XI CARCINOMA & MELANOMA	10	8	12	107	372	137	509	4.3	100.0	10.4	100.0	8.0	1.6	1.9	16.3	55.8	6.5	17.6	105	384	99.2	0.2
a. Adrenocortical	0	0	1	2	2	3	5	0.1	2.2	0.1	1.0	-	-	0.2	0.3	0.3	0.1	0.2	2	4	100.0	0.0
b. Thyroid	0	1	6	32	159	39	198	1.2	28.5	4.0	38.9	-	0.2	1.0	4.9	23.8	1.8	6.7	30	149	100.0	0.0
c. Nasopharyngeal	0	0	1	3	1	4	5	0.1	2.9	0.1	1.0	-	-	0.2	0.5	0.1	0.2	0.2	3	4	100.0	0.0
d. Melanoma	9	6	2	31	130	48	178	1.5	35.0	3.6	35.0	7.2	1.2	0.3	4.7	19.5	2.4	6.3	37	135	99.4	0.0
e. Skin carcinoma	0	0	1	2	0	3	3	0.1	2.2	0.1	0.6	-	-	0.2	0.3	-	0.1	0.1	2	2	100.0	0.0
f. Other & unspecified	1	1	1	37	80	40	120	1.2	29.2	2.4	23.6	0.8	0.2	0.2	5.6	12.0	1.8	4.1	31	91	97.5	0.8
XII OTHER & UNSPECIFIED	3	4	5	3	15	15	30	0.5	100.0	0.6	100.0	2.4	0.8	0.8	0.5	2.2	0.8	1.1	12	23	80.0	3.3
a. Other specified	1	3	4	1	7	9	16	0.3	60.0	0.3	53.3	0.8	0.6	0.6	0.2	1.0	0.5	0.6	7	12	100.0	0.0
b. Other unspecified	2	1	1	2	8	6	14	0.2	40.0	0.3	46.7	1.6	0.2	0.2	0.3	1.2	0.3	0.5	5	11	57.1	7.1
TOTAL	329	1138	799	956	1688	3222	4910	100.0	100.0	100.0	100.0	262.9	230.0	127.0	145.5	253.2	174.8	192.5	2546	3812	91.0	0.2

† includes 308 non-malignant ‡ includes 7 non-malignant

Please consult the quality indicators for this registry

USA, Washington State (1998-2012)

	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	34	207	130	111	132	482	614	52.0	48.9	1.1	1.2	30	219	110	94	69	453	522	51.9	45.1
a. Lymphoid	16	180	112	81	87	389	476	42.1	38.3	1.1	1.3	17	191	81	60	28	349	377	40.6	33.4
b. Acute myeloid	12	19	17	19	25	67	92	7.1	7.2	0.9	1.0	10	20	20	22	23	72	95	7.9	7.8
c. CMD	0	0	1	7	15	8	23	0.7	1.5	0.9	1.2	0	3	2	4	10	9	19	1.0	1.4
d. MDS & other	6	7	0	3	5	16	21	1.8	1.8	0.9	0.8	2	3	6	7	7	18	25	1.9	2.0
e. Unspecified	0	1	0	1	0	2	2	0.2	0.2	0.4	0.3	1	2	1	1	1	5	6	0.6	0.5
II LYMPHOMA & RELATED	5	36	70	93	191	204	395	20.0	28.0	1.8	1.4	4	22	28	62	160	116	276	11.9	20.4
a. Hodgkin	0	4	18	33	107	55	162	5.1	11.0	1.3	1.0	0	2	2	40	117	44	161	4.1	11.3
b. Non-Hodgkin except BL	1	15	32	37	68	85	153	8.3	10.9	1.8	1.8	1	12	16	19	39	48	87	5.1	6.6
c. Burkitt (BL)	0	9	14	17	12	40	52	4.0	3.9	5.7	5.2	0	2	3	2	3	7	10	0.8	0.8
d. Lymphoreticular	4	8	6	6	2	24	26	2.6	2.1	1.5	1.6	3	6	6	1	0	16	16	1.9	1.5
e. Unspecified	0	0	0	0	2	0	2	-	0.1	0.0	1.0	0	0	1	0	1	1	2	0.1	0.2
III CNS NEOPLASMS †	29	145	149	145	151	468	619	48.6	47.6	1.1	1.0	22	117	143	137	177	419	596	45.2	47.4
a. Ependymoma	8	21	10	7	10	46	56	5.1	4.6	1.5	1.5	2	12	9	8	7	31	38	3.5	3.2
b. Astrocytoma	6	57	57	51	58	171	229	17.8	17.6	0.9	1.0	12	56	57	62	46	187	233	20.3	18.9
c. CNS embryonal	5	33	34	19	13	91	104	9.7	8.4	1.7	1.6	5	20	19	10	10	54	64	6.1	5.4
d. Other gliomas	2	20	27	28	20	77	97	7.8	7.4	1.1	1.0	2	14	33	22	22	71	93	7.5	7.4
e. Other specified	6	12	17	32	45	67	112	6.7	8.1	1.0	0.7	0	14	24	32	87	70	157	7.2	11.7
f. Unspecified CNS	2	2	4	8	5	16	21	1.6	1.6	2.7	1.9	1	1	1	3	5	6	11	0.6	0.8
IV NEUROBLASTOMA	45	54	8	4	3	111	114	13.2	10.4	1.0	1.0	44	52	9	2	5	107	112	13.4	10.7
a. (Ganglio)neuroblastoma	45	54	8	3	2	110	112	13.1	10.3	1.0	1.0	44	52	9	1	1	106	107	13.3	10.4
b. Peripheral nervous	0	0	0	1	1	1	2	0.1	0.1	1.0	0.4	0	0	0	1	4	1	5	0.1	0.3
V RETINOBLASTOMA	10	17	1	0	0	28	28	3.4	2.6	0.6	0.6	16	32	1	0	0	49	49	6.2	4.8
VI RENAL TUMOURS	10	54	17	4	3	85	88	9.9	7.8	1.0	0.9	10	54	21	3	9	88	97	10.7	8.9
a. Nephroblastoma	10	54	17	2	0	83	83	9.7	7.5	1.0	1.0	9	53	17	2	2	81	83	9.9	7.8
b. Renal carcinoma	0	0	0	2	3	2	5	0.2	0.3	0.3	0.4	0	1	4	1	7	6	13	0.6	1.0
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	0.1	0.1
VII HEPATIC TUMOURS	7	16	6	5	7	34	41	3.8	3.4	1.4	1.4	7	14	2	1	6	24	30	3.0	2.7
a. Hepatoblastoma	7	16	6	0	0	29	29	3.4	2.6	1.3	1.3	7	14	1	1	0	23	23	2.9	2.2
b. Hepatic carcinoma	0	0	0	5	7	5	12	0.4	0.8	5.0	1.7	0	0	1	0	6	1	7	0.1	0.5
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-
VIII BONE TUMOURS	0	2	15	47	55	64	119	5.8	8.1	1.2	1.3	1	3	17	31	37	52	89	5.1	6.5
a. Osteosarcoma	0	2	7	24	31	33	64	3.0	4.4	1.0	1.3	1	2	9	20	16	32	48	3.1	3.6
b. Chondrosarcoma	0	0	0	2	4	2	6	0.2	0.4	-	1.0	0	0	0	6	0	6	0	-	0.4
c. Ewing & related	0	0	8	20	18	28	46	2.5	3.1	1.9	1.6	0	0	5	10	14	15	29	1.4	2.1
d. Other specified	0	0	0	0	2	0	2	-	0.1	0.0	0.7	0	1	1	0	1	2	3	0.2	0.3
e. Unspecified	0	0	0	1	0	1	1	0.1	0.1	0.3	0.3	0	0	2	1	0	3	3	0.3	0.2
IX SOFT TISSUE SARCOMA	12	30	22	27	63	91	154	9.7	11.6	0.9	0.9	10	29	26	42	59	107	166	11.5	13.0
a. Rhabdomyosarcoma	2	24	15	4	13	45	58	5.0	4.7	0.9	0.9	3	19	16	13	12	51	63	5.7	5.2
b. Fibrosarcoma	5	1	0	7	3	13	16	1.3	1.2	1.4	1.2	4	2	1	2	4	9	13	1.1	1.1
c. Kaposi sarcoma	0	0	0	0	2	0	2	-	0.1	-	-	0	0	0	0	0	0	0	-	-
d. Other specified	4	4	7	12	39	27	66	2.7	4.7	0.7	0.9	3	6	6	23	37	38	75	3.9	5.6
e. Unspecified	1	1	0	4	6	6	12	0.6	0.8	0.7	0.8	0	2	3	4	6	9	15	0.9	1.1
X GERM CELL TUMOURS	12	10	2	20	119	44	163	4.6	11.4	1.0	1.6	8	13	5	18	55	44	99	4.8	7.6
a. CNS germ cell ‡	4	2	2	12	6	20	26	2.0	1.9	2.0	2.4	1	2	2	5	1	10	11	1.0	0.9
b. Other extragonadal	5	6	0	2	8	13	21	1.5	1.7	0.9	1.1	7	8	0	0	4	15	19	1.9	1.8
c. Gonadal germ cell	2	2	0	6	105	10	115	1.0	7.7	0.6	1.9	0	3	3	11	42	17	59	1.7	4.2
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	6	2	8	0.2	0.6
e. Unspecified gonadal	1	0	0	0	0	1	1	0.1	0.1	-	0.5	0	0	0	0	2	0	2	-	0.1
XI CARCINOMA & MELANOMA	3	5	4	46	101	58	159	5.3	10.7	0.7	0.5	7	3	8	61	271	79	350	7.7	24.8
a. Adrenocortical	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	1	2	1	3	4	0.3	0.3
b. Thyroid	0	1	2	12	25	15	40	1.4	2.7	0.6	0.3	0	0	4	20	134	24	158	2.2	11.1
c. Nasopharyngeal	0	0	1	2	1	3	4	0.3	0.3	3.0	4.0	0	0	0	1	0	1	1	0.1	0.1
d. Melanoma	2	3	0	13	48	18	66	1.7	4.5	0.6	0.6	7	3	2	18	82	30	112	3.1	8.1
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	2	0	3	3	0.3	0.2
f. Other & unspecified	1	1	1	19	26	22	48	2.0	3.2	1.2	0.7	0	0	0	18	54	18	72	1.6	5.0
XII OTHER & UNSPECIFIED	2	1	2	2	3	7	10	0.7	0.8	0.9	0.5	1	3	3	1	12	8	20	0.9	1.5
a. Other specified	0	1	1	1	2	3	5	0.3	0.4	0.5	0.5	1	2	3	0	5	6	11	0.7	0.9
b. Other unspecified	2	0	1	1	1	4	5	0.4	0.4	2.0	0.6	0	1	0	1	7	2	9	0.2	0.7
TOTAL	169	577	426	504	828	1676	2504	177.1	191.5	1.1	1.0	160	561	373	452	860	1546	2406	172.4	193.5

† includes 132 non-malignant in males and 176 non-malignant in females ‡ includes 5 non-malignant in males and 2 non-malignant in females

Please consult the quality indicators for this registry

USA, Washington State (1998-2012)

	Age group	Males	Females
Person-years	0	640 608	610 981
	1-4	2 531 288	2 416 360
	5-9	3 220 591	3 068 592
	10-14	3 370 688	3 199 120
	15-19	3 437 668	3 230 296
Total	0-14	9 763 175	9 295 053
	0-19	13 200 843	12 525 349
Average annual population	0-14	650 878	619 670
	0-19	880 056	835 023

Please consult the quality indicators for this registry