

America, North

USA, Wisconsin (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	0-19			ASR	0-14	0-19			
I LEUKAEMIA	60	436	227	191	170	914	1084	33.8	100.0	25.8	100.0	25.8	76.5	18.8	72.9	58.1	104.0	41.2	32.5	27.7	59.5	52.3	843	982	97.6	1.0
a. Lymphoid	24	365	183	127	91	699	790	25.8	76.5	18.8	72.9	25.8	76.5	18.8	72.9	23.3	87.1	33.2	21.6	14.9	45.8	38.8	646	721	98.9	0.3
b. Acute myeloid	21	52	32	45	46	150	196	5.5	16.4	4.7	18.1	5.5	16.4	4.7	18.1	20.3	12.4	5.8	7.7	7.5	9.5	9.1	137	175	99.0	0.0
c. CMD	2	2	4	13	21	21	42	0.8	2.3	1.0	3.9	0.8	2.3	1.0	3.9	1.9	0.5	0.7	2.2	3.4	1.2	1.7	19	36	92.9	2.4
d. MDS & other	6	6	2	4	2	18	20	0.7	2.0	0.5	1.8	0.7	2.0	0.5	1.8	5.8	1.4	0.4	0.7	0.3	1.2	1.0	17	18	90.0	0.0
e. Unspecified	7	11	6	2	10	26	36	1.0	2.8	0.9	3.3	1.0	2.8	0.9	3.3	6.8	2.6	1.1	0.3	1.6	1.8	1.7	24	33	72.2	22.2
II LYMPHOMA & RELATED	15	36	74	141	374	266	640	9.8	100.0	15.2	100.0	15.2	100.0	15.2	100.0	14.5	8.6	13.4	24.0	61.0	15.1	25.4	236	541	98.4	0.9
a. Hodgkin	0	7	17	82	263	106	369	3.9	39.8	8.8	57.7	3.9	39.8	8.8	57.7	-	1.7	3.1	14.0	42.9	5.6	14.0	92	307	99.7	0.0
b. Non-Hodgkin except BL	4	5	32	35	92	76	168	2.8	28.6	4.0	26.3	2.8	28.6	4.0	26.3	3.9	1.2	5.8	6.0	15.0	4.3	6.7	67	143	98.8	0.6
c. Burkitt (BL)	0	13	19	15	15	47	62	1.7	17.7	1.5	9.7	1.7	17.7	1.5	9.7	-	3.1	3.4	2.6	2.4	2.8	2.7	42	55	96.8	1.6
d. Lymphoreticular	11	10	5	7	1	33	34	1.2	12.4	0.8	5.3	1.2	12.4	0.8	5.3	10.7	2.4	0.9	1.2	0.2	2.2	1.7	31	31	100.0	0.0
e. Unspecified	0	1	1	2	3	4	7	0.1	1.5	0.2	1.1	0.1	1.5	0.2	1.1	-	0.2	0.2	0.3	0.5	0.2	0.3	4	6	28.6	57.1
III CNS NEOPLASMS †	43	192	210	180	217	625	842	23.1	100.0	20.1	100.0	23.1	100.0	20.1	100.0	41.7	45.8	38.1	30.6	35.4	38.6	37.9	569	746	81.1	0.2
a. Ependymoma	9	23	10	9	16	51	67	1.9	8.2	1.6	8.0	1.9	8.2	1.6	8.0	8.7	5.5	1.8	1.5	2.6	3.4	3.2	47	60	100.0	0.0
b. Astrocytoma	13	88	86	88	72	275	347	10.2	44.0	8.3	41.2	10.2	44.0	8.3	41.2	12.6	21.0	15.6	15.0	11.8	16.9	15.7	250	308	89.9	0.0
c. CNS embryonal	6	47	35	23	17	111	128	4.1	17.8	3.0	15.2	4.1	17.8	3.0	15.2	5.8	11.2	6.3	3.9	2.8	7.1	6.1	102	116	100.0	0.0
d. Other gliomas	3	21	44	29	25	97	122	3.6	15.5	2.9	14.5	3.6	15.5	2.9	14.5	2.9	5.0	8.0	4.9	4.1	5.8	5.4	88	108	50.8	0.0
e. Other specified	7	12	28	23	71	70	141	2.6	11.2	3.4	16.7	2.6	11.2	3.4	16.7	6.8	2.9	5.1	3.9	11.6	4.2	5.8	63	121	75.2	0.0
f. Unspecified CNS	5	1	7	8	16	21	37	0.8	3.4	0.9	4.4	0.8	3.4	0.9	4.4	4.8	0.2	1.3	1.4	2.6	1.2	1.6	19	32	21.6	5.4
IV NEUROBLASTOMA	55	92	14	10	9	171	180	6.3	100.0	4.3	100.0	6.3	100.0	4.3	100.0	53.3	22.0	2.5	1.7	1.5	12.2	9.8	162	169	97.8	0.0
a. (Ganglio)neuroblastoma	54	91	13	6	5	164	169	6.1	95.9	4.0	93.9	6.1	95.9	4.0	93.9	52.3	21.7	2.4	1.0	0.8	11.8	9.3	156	160	97.6	0.0
b. Peripheral nervous	1	1	1	4	4	7	11	0.3	4.1	0.3	6.1	0.3	4.1	0.3	6.1	1.0	0.2	0.2	0.7	0.7	0.4	0.5	6	9	100.0	0.0
V RETINOBLASTOMA	23	39	4	0	0	66	66	2.4	100.0	1.6	100.0	2.4	100.0	1.6	100.0	22.3	9.3	0.7	-	-	4.8	3.7	63	63	83.3	0.0
VI RENAL TUMOURS	25	80	36	11	7	152	159	5.6	100.0	3.8	100.0	5.6	100.0	3.8	100.0	24.2	19.1	6.5	1.9	1.1	10.4	8.3	143	148	99.4	0.6
a. Nephroblastoma	24	80	33	7	1	144	145	5.3	94.7	3.5	91.2	5.3	94.7	3.5	91.2	23.3	19.1	6.0	1.2	0.2	10.0	7.8	135	136	100.0	0.0
b. Renal carcinoma	1	0	2	4	5	7	12	0.3	4.6	0.3	7.5	0.3	4.6	0.3	7.5	1.0	-	0.4	0.7	0.8	0.4	0.5	6	10	100.0	0.0
c. Unspecified	0	0	1	0	1	2	2	0.0	0.7	0.0	1.3	0.0	0.7	0.0	1.3	-	-	0.2	-	0.2	0.1	0.1	1	2	50.0	50.0
VII HEPATIC TUMOURS	12	15	2	2	8	31	39	1.1	100.0	0.9	100.0	1.1	100.0	0.9	100.0	11.6	3.6	0.4	0.3	1.3	2.2	2.0	29	36	97.4	2.6
a. Hepatoblastoma	10	15	1	1	1	27	28	1.0	87.1	0.7	71.8	1.0	87.1	0.7	71.8	9.7	3.6	0.2	0.2	0.2	2.0	1.6	26	27	96.4	3.6
b. Hepatic carcinoma	2	0	1	1	7	4	11	0.1	12.9	0.3	28.2	0.1	12.9	0.3	28.2	1.9	-	0.2	0.2	1.1	0.3	0.5	4	9	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	1	9	22	80	82	112	194	4.1	100.0	4.6	100.0	4.1	100.0	4.6	100.0	1.0	2.1	4.0	13.6	13.4	6.0	7.6	98	165	99.0	0.5
a. Osteosarcoma	0	1	7	43	48	51	99	1.9	45.5	2.4	51.0	1.9	45.5	2.4	51.0	-	0.2	1.3	7.3	7.8	2.6	3.8	44	83	99.0	0.0
b. Chondrosarcoma	0	0	1	3	4	4	8	0.1	3.6	0.2	4.1	0.1	3.6	0.2	4.1	-	-	0.2	0.5	0.7	0.2	0.3	3	7	100.0	0.0
c. Ewing & related	0	7	14	31	26	52	78	1.9	46.4	1.9	40.2	1.9	46.4	1.9	40.2	-	1.7	2.5	5.3	4.2	2.9	3.2	46	67	100.0	0.0
d. Other specified	1	1	0	2	3	4	7	0.1	3.6	0.2	3.6	0.1	3.6	0.2	3.6	1.0	0.2	-	0.3	0.5	0.2	0.3	4	6	100.0	0.0
e. Unspecified	0	0	0	1	1	2	2	0.0	0.9	0.0	1.0	0.0	0.9	0.0	1.0	-	-	-	0.2	0.2	0.0	0.1	1	2	50.0	50.0
IX SOFT TISSUE SARCOMA	15	48	51	60	93	174	267	6.4	100.0	6.4	100.0	6.4	100.0	6.4	100.0	14.5	11.5	9.2	10.2	15.2	10.6	11.6	158	234	100.0	0.0
a. Rhabdomyosarcoma	7	33	31	24	18	95	113	3.5	54.6	2.7	42.3	3.5	54.6	2.7	42.3	6.8	7.9	5.6	4.1	2.9	6.0	5.3	87	102	100.0	0.0
b. Fibrosarcoma	4	1	5	10	15	20	35	0.7	11.5	0.8	13.1	0.7	11.5	0.8	13.1	3.9	0.2	0.9	1.7	2.4	1.2	1.4	18	30	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	11	8	19	46	40	86	1.5	23.0	2.0	32.2	1.5	23.0	2.0	32.2	1.9	2.6	1.5	3.2	7.5	2.4	3.5	36	73	100.0	0.0
e. Unspecified	2	3	7	7	14	19	33	0.7	10.9	0.8	12.4	0.7	10.9	0.8	12.4	1.9	0.7	1.3	1.2	2.3	1.1	1.4	17	29	100.0	0.0
X GERM CELL TUMOURS	21	13	8	45	204	87	291	3.2	100.0	6.9	100.0	3.2	100.0	6.9	100.0	20.3	3.1	1.5	7.7	33.3	5.2	11.5	78	245	96.9	0.0
a. CNS germ cell ‡	2	4	5	19	5	30	35	1.1	34.5	0.8	12.0	1.1	34.5	0.8	12.0	1.9	1.0	0.9	3.2	0.8	1.7	1.5	26	31	80.0	0.0
b. Other extragonadal	10	3	1	12	15	27	27	0.6	17.2	0.6	9.3	0.6	17.2	0.6	9.3	9.7	0.7	0.2	0.2	2.0	1.1	1.3	14	24	96.3	0.0
c. Gonadal germ cell	9	6	1	18	167	34	201	1.3	39.1	4.8	69.1	1.3	39.1	4.8	69.1	8.7	1.4	0.2	3.1	27.3	2.1	7.7	31	167	100.0	0.0
d. Gonadal carcinoma	0	0	0	4	13	4	17	0.1	4.6	0.4	5.8	0.1	4.6	0.4	5.8	-	-	-	0.7	2.1	0.2	0.6	3	14	100.0	0.0
e. Unspecified gonadal	0	0	1	3	7	4	11	0.1	4.6	0.3	3.8	0.1	4.6	0.3	3.8	-	-	0.2	0.5	1.1	0.2	0.4	3	9	90.9	0.0
XI CARCINOMA & MELANOMA	7	5	23	62	322	97	419	3.6	100.0	10.0	100.0	3.6	100.0	10.0	100.0	6.8	1.2	4.2	10.6	52.6	5.3	15.9	85	348	100.0	0.0
a. Adrenocortical	0	0	0	0	1	0	1	-	-	0.0	0.2	-	-	0.0	0.											

USA, Wisconsin (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	0-14	0-19		
I LEUKAEMIA	28	229	105	116	110	478	588	60.5	54.7	1.1	1.2	32	207	122	75	60	436	496	58.4	49.8				
a. Lymphoid	12	192	84	78	66	366	432	46.7	40.9	1.1	1.2	12	173	99	49	25	333	358	44.9	36.7				
b. Acute myeloid	9	27	12	29	25	77	102	9.4	9.1	1.1	1.1	12	25	20	16	21	73	94	9.6	9.0				
c. CMD	0	1	3	6	9	10	19	1.1	1.5	0.9	0.8	2	1	1	7	12	11	23	1.3	1.9				
d. MDS & other	3	3	2	1	2	9	11	1.2	1.1	1.0	1.2	3	3	0	3	0	9	9	1.2	0.9				
e. Unspecified	4	6	4	2	8	16	24	2.1	2.2	1.6	2.0	3	5	2	0	2	10	12	1.5	1.3				
II LYMPHOMA & RELATED	9	24	54	82	183	169	352	18.9	27.7	1.7	1.2	6	12	20	59	191	97	288	11.1	23.0				
a. Hodgkin	0	6	14	46	118	66	184	6.9	13.8	1.6	1.0	0	1	3	36	145	40	185	4.2	14.2				
b. Non-Hodgkin except BL	2	2	17	19	49	40	89	4.4	6.9	1.1	1.1	2	3	15	16	43	36	79	4.2	6.5				
c. Burkitt (BL)	0	8	18	13	13	39	52	4.5	4.4	4.9	5.2	0	5	1	2	2	8	10	1.1	1.0				
d. Lymphoreticular	7	7	5	4	0	23	23	3.0	2.3	2.3	2.1	4	3	0	3	1	10	11	1.4	1.1				
e. Unspecified	0	1	0	0	3	1	4	0.1	0.3	0.3	1.3	0	0	1	2	0	3	3	0.3	0.2				
III CNS NEOPLASMS †	24	119	117	80	110	340	450	41.8	40.3	1.2	1.1	19	73	93	100	107	285	392	35.2	35.4				
a. Ependymoma	5	15	5	7	8	32	40	4.1	3.8	1.7	1.5	4	8	5	2	8	19	27	2.6	2.6				
b. Astrocytoma	7	53	47	36	44	143	187	17.5	16.8	1.1	1.2	6	35	39	52	28	132	160	16.2	14.6				
c. CNS embryonal	3	26	24	13	11	66	77	8.2	7.1	1.5	1.5	3	21	11	10	6	45	51	6.0	5.1				
d. Other gliomas	1	14	23	13	13	51	64	6.1	5.6	1.1	1.1	2	7	21	16	12	46	58	5.5	5.2				
e. Other specified	5	10	14	7	24	36	60	4.5	5.2	1.1	0.7	2	2	14	16	47	34	81	3.9	6.6				
f. Unspecified CNS	3	1	4	4	10	12	22	1.4	1.8	1.3	1.5	2	0	3	4	6	9	15	1.1	1.3				
IV NEUROBLASTOMA	32	49	5	2	4	88	92	12.5	10.0	1.1	1.0	23	43	9	8	5	83	88	11.9	9.6				
a. (Ganglioneuroblastoma	31	48	5	1	2	85	87	12.1	9.5	1.1	1.1	23	43	8	5	3	79	82	11.5	9.1				
b. Peripheral nervous	1	1	0	1	2	3	5	0.4	0.4	0.8	0.8	0	0	1	3	2	4	6	0.4	0.5				
V RETINOBLASTOMA	14	16	1	0	0	31	31	4.5	3.5	0.9	0.9	9	23	3	0	0	35	35	5.2	4.0				
VI RENAL TUMOURS	12	38	10	5	5	65	70	8.9	7.2	0.7	0.8	13	42	26	6	2	87	89	12.1	9.5				
a. Nephroblastoma	11	38	9	3	0	61	61	8.4	6.5	0.7	0.7	13	42	24	4	1	83	84	11.6	9.1				
b. Renal carcinoma	1	0	0	2	4	3	7	0.3	0.5	0.8	1.4	0	0	2	2	1	4	5	0.4	0.4				
c. Unspecified	0	0	1	0	1	1	2	0.1	0.2	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	8	10	1	1	6	20	26	2.8	2.6	1.8	2.0	4	5	1	1	2	11	13	1.6	1.4				
a. Hepatoblastoma	6	10	0	1	0	17	17	2.4	1.9	1.7	1.5	4	5	1	0	1	10	11	1.5	1.2				
b. Hepatic carcinoma	2	0	1	0	6	3	9	0.4	0.7	3.0	4.5	0	0	0	1	1	1	2	0.1	0.2				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	1	4	20	38	62	63	125	6.7	9.6	1.3	1.8	0	5	2	42	20	49	69	5.3	5.6				
a. Osteosarcoma	0	0	7	20	36	27	63	2.7	4.7	1.1	1.8	0	1	0	23	12	24	36	2.5	2.8				
b. Chondrosarcoma	0	0	1	2	3	3	6	0.3	0.5	3.0	3.0	0	0	0	1	1	1	2	0.1	0.2				
c. Ewing & related	0	3	12	15	21	30	51	3.3	4.0	1.4	1.9	0	4	2	16	5	22	27	2.5	2.3				
d. Other specified	1	1	0	1	2	3	5	0.4	0.4	3.0	2.5	0	0	0	1	1	1	2	0.1	0.2				
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.1	0.2				
IX SOFT TISSUE SARCOMA	12	33	25	33	48	103	151	12.6	13.2	1.5	1.3	3	15	26	27	45	71	116	8.6	10.0				
a. Rhabdomyosarcoma	5	23	18	15	12	61	73	7.6	6.7	1.8	1.8	2	10	13	9	6	34	40	4.3	3.8				
b. Fibrosarcoma	4	1	0	3	10	8	18	1.0	1.5	0.7	1.1	0	0	5	7	5	12	17	1.3	1.4				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	1	6	2	11	20	20	40	2.3	3.2	1.0	0.9	1	5	6	8	26	20	46	2.4	3.9				
e. Unspecified	2	3	5	4	6	14	20	1.7	1.7	2.8	1.5	0	0	2	3	8	5	13	0.5	1.0				
X GERM CELL TUMOURS	14	7	4	20	138	45	183	5.4	14.1	1.1	1.7	7	6	4	25	66	42	108	5.0	8.8				
a. CNS germ cell ‡	0	3	3	15	3	21	24	2.2	1.9	2.3	2.2	2	1	2	4	2	9	11	1.1	1.0				
b. Other extragonadal	5	1	0	1	5	7	12	1.0	1.1	0.9	0.8	5	2	1	0	7	8	15	1.2	1.4				
c. Gonadal germ cell	9	3	0	4	127	16	143	2.1	10.7	0.9	2.5	0	3	1	14	40	18	58	2.0	4.6				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.1	0.0	0.1	0	0	0	4	12	4	16	0.4	1.2				
e. Unspecified gonadal	0	0	1	0	2	1	3	0.1	0.2	0.3	0.4	0	0	0	3	5	3	8	0.3	0.6				
XI CARCINOMA & MELANOMA	5	1	11	23	86	40	126	4.3	9.5	0.7	0.4	2	4	12	39	236	57	293	6.3	22.7				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1				
b. Thyroid	0	0	7	3	27	10	37	1.1	2.8	0.4	0.3	0	3	4	18	121	25	146	2.8	11.3				
c. Nasopharyngeal	0	0	0	1	4	1	5	0.1	0.4	0.5	1.7	0	0	0	2	1	2	3	0.2	0.2				
d. Melanoma	1	1	2	10	37	14	51	1.5	3.8	1.1	0.7	0	1	4	8	57	13	70	1.4	5.4				
e. Skin carcinoma	0	0	1	1	1	2	3	0.2	0.2	2.0	3.0	1	0	0	0	0	1	1	0.2	0.1				
f. Other & unspecified	4	0	1	8	17	13	30	1.5	2.4	0.8	0.4	1	0	4	11	56	16	72	1.7	5.6				
XII OTHER & UNSPECIFIED	0	2	1	1	2	4	6	0.5	0.5	0.7	0.6	1	4	0	1	4	6	10	0.9	1.0				
a. Other specified	0	1	1	1	0	3	3	0.4	0.3	3.0	3.0	0	1	0	0	0	1	1	0.2	0.1				
b. Other unspecified	0	1	0	0	2	1	3	0.1	0.3	0.2	0.3	1	3	0	1	4	5	9	0.7	0.9				
TOTAL	159	532	354	401	754	1446	2200	179.4	193.0	1.1	1.1	119	439	318	383	738	1259	1997	161.5	180.8				

† includes 86 non-malignant in males and 95 non-malignant in females ‡ includes 3 non-malignant in males and 3 non-malignant in females

Please consult the quality indicators for this registry

USA, Wisconsin (1998-2012)

	Age group	Males	Females
Person-years	0	527 654	504 486
	1-4	2 141 799	2 049 383
	5-9	2 820 233	2 694 297
	10-14	3 009 213	2 864 788
	15-19	3 143 321	2 983 420
Total	0-14	8 498 899	8 112 954
	0-19	11 642 220	11 096 374
Average annual population	0-14	566 593	540 864
	0-19	776 148	739 758

Please consult the quality indicators for this registry