

USA, Iowa, NH White (1993-2012)

	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	17	251	127	87	96	482	578	28.5	100.0	22.7	100.0	26.3	95.5	36.6	23.4	24.3	50.3	44.4	709	830	99.1	0.0	
a. Lymphoid	6	213	100	63	46	382	428	22.6	79.3	16.8	74.0	9.3	81.0	28.8	16.9	11.6	40.1	33.7	563	621	99.5	0.0	
b. Acute myeloid	7	29	13	18	37	67	104	4.0	13.9	4.1	18.0	10.8	11.0	3.7	4.8	9.4	6.9	7.4	98	145	100.0	0.0	
c. CMD	0	5	3	5	10	13	23	0.8	2.7	0.9	4.0	-	1.9	0.9	1.3	2.5	1.3	1.5	19	31	95.7	0.0	
d. MDS & other	3	3	6	0	1	12	13	0.7	2.5	0.5	2.2	4.6	1.1	1.7	-	0.3	1.3	1.0	18	19	100.0	0.0	
e. Unspecified	1	1	5	1	2	8	10	0.5	1.7	0.4	1.7	1.5	0.4	1.4	0.3	0.5	0.8	0.7	12	14	80.0	0.0	
II LYMPHOMA & RELATED	3	14	52	97	208	166	374	9.8	100.0	14.7	100.0	4.6	5.3	15.0	26.0	52.6	14.4	23.0	231	494	99.5	0.0	
a. Hodgkin	0	1	8	51	135	60	195	3.6	36.1	7.7	52.1	-	0.4	2.3	13.7	34.1	4.8	11.4	82	252	100.0	0.0	
b. Non-Hodgkin except BL	0	7	25	33	65	65	130	3.8	39.2	5.1	34.8	-	2.7	7.2	8.9	16.4	5.7	8.1	91	173	98.5	0.0	
c. Burkitt (BL)	0	0	15	12	8	27	35	1.6	16.3	1.4	9.4	-	-	4.3	3.2	2.0	2.3	2.3	38	48	100.0	0.0	
d. Lymphoreticular	3	5	3	1	0	12	12	0.7	7.2	0.5	3.2	4.6	1.9	0.9	0.3	-	1.3	1.0	18	18	100.0	0.0	
e. Unspecified	0	1	1	0	0	2	2	0.1	1.2	0.1	0.5	-	0.4	0.3	-	-	0.2	0.2	3	3	100.0	0.0	
III CNS NEOPLASMS	19	152	129	108	81	408	489	24.2	100.0	19.2	100.0	29.4	57.8	37.2	29.0	20.5	40.6	36.1	592	694	83.4	0.2	
a. Ependymoma	1	12	4	8	2	25	27	1.5	6.1	1.1	5.5	1.5	4.6	1.2	2.1	0.5	2.5	2.1	36	39	100.0	0.0	
b. Astrocytoma	11	76	68	66	46	221	267	13.1	54.2	10.5	54.6	17.0	28.9	19.6	17.7	11.6	21.7	19.5	319	378	86.5	0.0	
c. CNS embryonal	5	36	32	13	13	86	99	5.1	21.1	3.9	20.2	7.7	13.7	9.2	3.5	3.3	8.8	7.6	126	143	98.0	0.0	
d. Other gliomas	1	24	25	17	18	67	85	4.0	16.4	3.3	17.4	1.5	9.1	7.2	4.6	4.6	6.6	6.1	97	120	54.1	1.2	
e. Other specified	1	2	0	2	1	5	6	0.3	1.2	0.2	1.2	1.5	0.8	-	0.5	0.3	0.5	0.5	7	9	83.3	0.0	
f. Unspecified CNS	0	2	0	2	1	4	5	0.2	1.0	0.2	1.0	-	0.8	-	0.5	0.3	0.4	0.4	6	7	40.0	0.0	
IV NEUROBLASTOMA	48	57	11	4	2	120	122	7.1	100.0	4.8	100.0	74.2	21.7	3.2	1.1	0.5	13.7	10.8	181	184	99.2	0.0	
a. (Ganglio)neuroblastoma	48	56	11	3	2	118	120	7.0	98.3	4.7	98.4	74.2	21.3	3.2	0.8	0.5	13.5	10.6	179	181	99.2	0.0	
b. Peripheral nervous	0	1	0	1	0	2	2	0.1	1.7	0.1	1.6	-	0.4	-	0.3	-	0.2	0.2	3	3	100.0	0.0	
V RETINOBLASTOMA	21	17	6	0	0	44	44	2.6	100.0	1.7	100.0	32.4	6.5	1.7	-	-	5.0	3.9	67	67	77.3	0.0	
VI RENAL TUMOURS	11	58	13	3	3	85	88	5.0	100.0	3.5	100.0	17.0	22.1	3.7	0.8	0.8	9.6	7.6	128	132	100.0	0.0	
a. Nephroblastoma	11	57	12	1	0	81	81	4.8	95.3	3.2	92.0	17.0	21.7	3.5	0.3	-	9.2	7.2	122	122	100.0	0.0	
b. Renal carcinoma	0	1	1	2	3	4	7	0.2	4.7	0.3	8.0	-	0.4	0.3	0.5	0.8	0.4	0.5	6	9	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	8	13	4	1	3	26	29	1.5	100.0	1.1	100.0	12.4	4.9	1.2	0.3	0.8	2.9	2.4	39	43	93.1	0.0	
a. Hepatoblastoma	8	13	4	1	1	26	27	1.5	100.0	1.1	93.1	12.4	4.9	1.2	0.3	0.3	2.9	2.3	39	40	92.6	0.0	
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	-	0.1	6.9	-	-	-	0.5	-	0.1	-	-	3	3	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	7	33	56	78	96	174	5.7	100.0	6.8	100.0	-	2.7	9.5	15.0	19.7	8.3	10.8	133	232	100.0	0.0	
a. Osteosarcoma	0	3	13	30	43	46	89	2.7	47.9	3.5	51.1	-	1.1	3.7	8.1	10.9	3.9	5.5	64	118	100.0	0.0	
b. Chondrosarcoma	0	0	1	1	6	2	8	0.1	2.1	0.3	4.6	-	-	0.3	0.3	1.5	0.2	0.5	3	10	100.0	0.0	
c. Ewing & related	0	4	17	23	24	44	68	2.6	45.8	2.7	39.1	-	1.5	4.9	6.2	6.1	3.8	4.3	61	92	100.0	0.0	
d. Other specified	0	0	2	2	4	4	8	0.2	4.2	0.3	4.6	-	-	0.6	0.5	1.0	0.3	0.5	6	11	100.0	0.0	
e. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.6	-	-	-	-	0.3	-	0.1	-	1	100.0	0.0	
IX SOFT TISSUE SARCOMA	9	36	38	44	48	127	175	7.5	100.0	6.9	100.0	13.9	13.7	11.0	11.8	12.1	12.3	12.2	183	243	99.4	0.0	
a. Rhabdomyosarcoma	3	27	14	19	6	63	69	3.7	49.6	2.7	39.4	4.6	10.3	4.0	5.1	1.5	6.3	5.2	91	99	100.0	0.0	
b. Fibrosarcoma	2	2	5	6	9	15	24	0.9	11.8	0.9	13.7	3.1	0.8	1.4	1.6	2.3	1.4	1.6	21	33	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	4	5	17	17	26	43	69	2.5	33.9	2.7	39.4	6.2	1.9	4.9	4.6	6.6	4.0	4.6	61	94	98.6	0.0	
e. Unspecified	0	2	2	2	7	6	13	0.4	4.7	0.5	7.4	-	0.8	0.6	0.5	1.8	0.6	0.8	9	17	100.0	0.0	
X GERM CELL TUMOURS	17	10	8	16	121	51	172	3.0	100.0	6.7	100.0	26.3	3.8	2.3	4.3	30.6	5.2	10.9	74	227	99.4	0.0	
a. CNS germ cell	2	0	4	5	8	11	19	0.7	21.6	0.7	11.0	3.1	-	1.2	1.3	2.0	1.0	1.2	16	26	100.0	0.0	
b. Other extragonadal	11	8	1	1	3	21	24	1.2	41.2	0.9	14.0	17.0	3.0	0.3	0.3	0.8	2.4	2.0	32	36	95.8	0.0	
c. Gonadal germ cell	4	2	3	10	105	19	124	1.1	37.3	4.9	72.1	6.2	0.8	0.9	2.7	26.5	1.8	7.3	27	160	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	4	0	4	-	-	0.2	2.3	-	-	-	-	1.0	-	0.2	-	5	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.0	0.6	-	-	-	-	0.3	-	0.1	-	1	100.0	0.0	
XI CARCINOMA & MELANOMA	2	3	12	60	220	77	297	4.6	100.0	11.7	100.0	3.1	1.1	3.5	16.1	55.6	6.4	17.5	105	384	100.0	0.0	
a. Adrenocortical	1	1	1	0	4	3	7	0.2	3.9	0.3	2.4	1.5	0.4	0.3	-	1.0	0.3	0.5	4	10	100.0	0.0	
b. Thyroid	0	0	5	24	82	29	111	1.7	37.7	4.4	37.4	-	-	1.4	6.4	20.7	2.3	6.5	39	143	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	4	0	4	-	-	0.2	1.3	-	-	-	-	1.0	-	0.2	-	5	100.0	0.0	
d. Melanoma	0	0	4	26	84	30	114	1.8	39.0	4.5	38.4	-	-	1.2	7.0	21.2	2.4	6.6	41	147	100.0	0.0	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	1	2	2	10	46	15	61	0.9	19.5	2.4	20.5	1.5	0.8	0.6	2.7	11.6	1.3	3.6	21	79	100.0	0.0	
XII OTHER & UNSPECIFIED	4	1	0	2	0	7	7	0.4	100.0	0.3	100.0	6.2	0.4	-	0.5	-	0.7	0.6	10	10	57.1	42.9	
a. Other specified	1	0	0	2	0	3	3	0.2	42.9	0.1	42.9	1.5	-	-	0.5	-	0.3	0.2	4	4	100.0	0.0	
b. Other unspecified	3	1	0	0	0	4	4	0.2	57.1	0.2	57.1	4.6	0.4	-	-	-	0.5	0.4	6	6	25.0	75.0	
TOTAL	159	619	433	478	860	1689	2549	100.0	100.0	100.0	100.0	245.7	235.5	124.8	128.3	217.4	169.5	180.2	2453	3540	95.8	0.2	

Please consult the quality indicators for this registry

USA, Iowa, NH White (1993-2012)

	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	8	130	72	53	60	263	323	52.9	47.7	1.2	1.3	9	121	55	34	36	219	255	47.5	41.0				
a. Lymphoid	2	112	56	41	30	211	241	42.7	36.4	1.2	1.3	4	101	44	22	16	171	187	37.4	30.8				
b. Acute myeloid	2	13	8	8	25	31	56	6.1	7.5	0.9	1.2	5	16	5	10	12	36	48	7.6	7.3				
c. CMD	0	1	0	3	3	4	7	0.7	0.9	0.4	0.4	0	4	3	2	7	9	16	1.9	2.3				
d. MDS & other	3	3	5	0	1	11	12	2.3	1.9	11.0	12.0	0	0	1	0	0	1	1	0.2	0.1				
e. Unspecified	1	1	3	1	1	6	7	1.2	1.0	3.0	2.3	0	0	2	0	1	2	3	0.4	0.4				
II LYMPHOMA & RELATED	3	10	33	55	112	101	213	17.3	25.9	1.6	1.3	0	4	19	42	96	65	161	11.3	19.9				
a. Hodgkin	0	1	4	26	61	31	92	4.9	10.6	1.1	0.9	0	0	4	25	74	29	103	4.8	12.3				
b. Non-Hodgkin except BL	0	5	15	18	43	38	81	6.6	9.9	1.4	1.7	0	2	10	15	22	27	49	4.8	6.3				
c. Burkitt (BL)	0	0	13	10	8	23	31	3.9	3.9	5.8	7.8	0	0	2	2	0	4	4	0.7	0.5				
d. Lymphoreticular	3	4	0	1	0	8	8	1.8	1.4	2.0	2.0	0	1	3	0	0	4	4	0.8	0.6				
e. Unspecified	0	0	1	0	0	1	1	0.2	0.1	1.0	1.0	0	1	0	0	0	1	1	0.2	0.2				
III CNS NEOPLASMS	13	74	77	54	53	218	271	42.2	38.6	1.1	1.2	6	78	52	54	28	190	218	38.9	33.4				
a. Ependymoma	0	5	4	5	1	14	15	2.6	2.2	1.3	1.3	1	7	0	3	1	11	12	2.4	2.0				
b. Astrocytoma	8	27	30	28	30	93	123	17.8	17.1	0.7	0.9	3	49	38	38	16	128	144	26.0	22.0				
c. CNS embryonal	3	26	25	9	11	63	74	12.6	11.0	2.7	3.0	2	10	7	4	2	23	25	4.9	4.0				
d. Other gliomas	1	13	18	8	10	40	50	7.7	7.1	1.5	1.4	0	11	7	9	8	27	35	5.4	5.1				
e. Other specified	1	2	0	2	0	5	5	1.0	0.8	-	5.0	0	0	0	0	1	0	1	-	0.1				
f. Unspecified CNS	0	1	0	2	1	3	4	0.5	0.5	3.0	4.0	0	1	0	0	0	1	1	0.2	0.2				
IV NEUROBLASTOMA	29	29	4	2	2	64	66	14.4	11.4	1.1	1.2	19	28	7	2	0	56	56	13.0	10.1				
a. (Ganglio)neuroblastoma	29	29	4	2	2	64	66	14.4	11.4	1.2	1.2	19	27	7	1	0	54	54	12.6	9.8				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	1	0	2	2	0.4	0.3				
V RETINOBLASTOMA	6	13	3	0	0	22	22	4.9	3.8	1.0	1.0	15	4	3	0	0	22	22	5.2	4.0				
VI RENAL TUMOURS	7	32	5	0	3	44	47	9.9	8.0	1.1	1.1	4	26	8	3	0	41	41	9.3	7.2				
a. Nephroblastoma	7	31	5	0	0	43	43	9.7	7.5	1.1	1.1	4	26	7	1	0	38	38	8.8	6.8				
b. Renal carcinoma	0	1	0	0	3	1	4	0.2	0.5	0.3	1.3	0	0	1	2	0	3	3	0.5	0.4				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	2	7	2	1	2	12	14	2.6	2.2	0.9	0.9	6	6	2	0	1	14	15	3.3	2.7				
a. Hepatoblastoma	2	7	2	1	0	12	12	2.6	2.0	0.9	0.8	6	6	2	0	1	14	15	3.3	2.7				
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	0.2	-	-	0	0	0	0	0	0	0	-	-				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	0	4	21	31	49	56	105	9.4	12.8	1.4	1.5	0	3	12	25	29	40	69	7.0	8.8				
a. Osteosarcoma	0	3	7	16	26	26	52	4.4	6.3	1.3	1.4	0	0	6	14	17	20	37	3.4	4.6				
b. Chondrosarcoma	0	0	0	1	3	1	4	0.2	0.5	1.0	1.0	0	0	1	0	3	1	4	0.2	0.5				
c. Ewing & related	0	1	12	13	17	26	43	4.4	5.3	1.4	1.7	0	3	5	10	7	18	25	3.3	3.4				
d. Other specified	0	0	2	1	2	3	5	0.5	0.6	3.0	1.7	0	0	0	1	2	1	3	0.2	0.4				
e. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
IX SOFT TISSUE SARCOMA	5	22	19	20	22	66	88	12.7	12.3	1.1	1.0	4	14	19	24	26	61	87	11.8	12.2				
a. Rhabdomyosarcoma	2	14	9	11	2	36	38	7.0	5.6	1.3	1.2	1	13	5	8	4	27	31	5.6	4.8				
b. Fibrosarcoma	2	2	1	2	4	7	11	1.4	1.5	0.9	0.8	0	0	4	4	5	8	13	1.4	1.7				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	1	5	8	6	13	20	33	3.7	4.4	0.9	0.9	3	0	9	11	13	23	36	4.2	4.8				
e. Unspecified	0	1	1	1	3	3	6	0.6	0.8	1.0	0.9	0	1	1	1	4	3	7	0.6	0.9				
X GERM CELL TUMOURS	9	3	4	8	101	24	125	4.7	14.9	0.9	2.7	8	7	4	8	20	27	47	5.7	6.7				
a. CNS germ cell	1	0	3	5	8	9	17	1.5	2.1	4.5	8.5	1	0	1	0	0	2	2	0.4	0.3				
b. Other extragonadal	4	1	0	1	1	6	7	1.3	1.1	0.4	0.4	7	7	1	0	2	15	17	3.6	3.0				
c. Gonadal germ cell	4	2	1	2	91	9	100	1.9	11.6	0.9	4.2	0	0	2	8	14	10	24	1.7	2.9				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.1	-	0.3	0	0	0	0	3	0	3	-	0.3				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1				
XI CARCINOMA & MELANOMA	1	0	3	19	66	23	89	3.7	10.2	0.4	0.4	1	3	9	41	154	54	208	9.3	25.1				
a. Adrenocortical	1	0	0	0	1	1	2	0.2	0.3	0.5	0.4	0	1	1	0	3	2	5	0.4	0.7				
b. Thyroid	0	0	1	2	12	3	15	0.5	1.7	0.1	0.2	0	0	4	22	70	26	96	4.3	11.5				
c. Nasopharyngeal	0	0	0	0	3	0	3	-	0.3	-	3.0	0	0	0	0	1	0	1	-	0.1				
d. Melanoma	0	0	1	10	26	11	37	1.7	4.2	0.6	0.5	0	0	3	16	58	19	77	3.1	9.2				
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	0	1	7	24	8	32	1.2	3.6	1.1	1.1	1	2	1	3	22	7	29	1.4	3.6				
XII OTHER & UNSPECIFIED	2	0	0	1	0	3	3	0.6	0.5	0.8	0.8	2	1	0	1	0	4	4	0.9	0.7				
a. Other specified	1	0	0	1	0	2	2	0.4	0.3	2.0	2.0	0	0	0	1	0	1	1	0.2	0.1				
b. Other unspecified	1	0	0	0	0	1	1	0.2	0.2	0.3	0.3	2	1	0	0	0	3	3	0.7	0.6				
TOTAL	85	324	243	244	470	896	1366	175.4	188.3	1.1	1.2	74	295	190	234	390	793	1183	163.2	171.8				

Please consult the quality indicators for this registry

USA, Iowa, NH White (1993-2012)

	Age group	Males	Females
Person-years	0	330 130	317 098
	1-4	1 347 813	1 280 925
	5-9	1 780 703	1 688 454
	10-14	1 914 465	1 810 217
	15-19	2 018 634	1 936 641
Total	0-14	5 373 111	5 096 694
	0-19	7 391 745	7 033 335
Average annual population	0-14	268 656	254 835
	0-19	369 587	351 667

Please consult the quality indicators for this registry