

## 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
<b>I LEUKAEMIA</b>	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
<b>II LYMPHOMA &amp; RELATED</b>	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
<b>III CNS NEOPLASMS</b>	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
<b>IV NEUROBLASTOMA</b>	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
<b>V RETINOBLASTOMA</b>	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
<b>VI RENAL TUMOURS</b>	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VII HEPATIC TUMOURS</b>	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VIII BONE TUMOURS</b>	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
<b>IX SOFT TISSUE SARCOMA</b>	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
<b>X GERM CELL TUMOURS</b>	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
<b>XI CARCINOMA &amp; MELANOMA</b>	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
<b>XII OTHER &amp; UNSPECIFIED</b>	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
<b>TOTAL</b>	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		
<b>I LEUKAEMIA</b>	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				
<b>II LYMPHOMA &amp; RELATED</b>	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				
<b>III CNS NEOPLASMS</b>	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				
<b>IV NEUROBLASTOMA</b>	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				
<b>V RETINOBLASTOMA</b>	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				
<b>VI RENAL TUMOURS</b>	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	-	-				
<b>VII HEPATIC TUMOURS</b>	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	-	-				
<b>VIII BONE TUMOURS</b>	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	-	-				
<b>IX SOFT TISSUE SARCOMA</b>	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				
<b>X GERM CELL TUMOURS</b>	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				
<b>XI CARCINOMA &amp; MELANOMA</b>	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				
<b>XII OTHER &amp; UNSPECIFIED</b>	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				
<b>TOTAL</b>	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