

USA, Iowa, 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	19	271	136	95	102	521	623	28.8	100.0	23.1	100.0	27.2	95.9	36.9	24.3	24.7	50.8	45.0	718	841	99.2	0.0	
a. Lymphoid	7	230	108	68	49	413	462	22.9	79.3	17.2	74.2	10.0	81.4	29.3	17.4	11.9	40.6	34.1	570	629	99.6	0.0	
b. Acute myeloid	8	31	14	20	39	73	112	4.0	14.0	4.2	18.0	11.5	11.0	3.8	5.1	9.4	7.0	7.5	100	147	100.0	0.0	
c. CMD	0	5	3	5	11	13	24	0.7	2.5	0.9	3.9	-	1.8	0.8	1.3	2.7	1.2	1.5	18	31	95.8	0.0	
d. MDS & other	3	3	6	1	1	13	14	0.7	2.5	0.5	2.2	4.3	1.1	1.6	0.3	0.2	1.3	1.0	18	19	100.0	0.0	
e. Unspecified	1	2	5	1	2	9	11	0.5	1.7	0.4	1.8	1.4	0.7	1.4	0.3	0.5	0.8	0.8	12	15	81.8	0.0	
II LYMPHOMA & RELATED	3	16	56	101	212	176	388	9.7	100.0	14.4	100.0	4.3	5.7	15.2	25.8	51.3	14.5	22.8	232	489	99.5	0.0	
a. Hodgkin	0	2	9	54	137	65	202	3.6	36.9	7.5	52.1	-	0.7	2.4	13.8	33.2	5.0	11.4	84	250	100.0	0.0	
b. Non-Hodgkin except BL	0	8	26	33	67	67	134	3.7	38.1	5.0	34.5	-	2.8	7.1	8.4	16.2	5.6	8.0	89	170	98.5	0.0	
c. Burkitt (BL)	0	0	16	12	8	28	36	1.5	15.9	1.3	9.3	-	-	4.3	3.1	1.9	2.3	2.2	37	47	100.0	0.0	
d. Lymphoreticular	3	5	4	2	0	14	14	0.8	8.0	0.5	3.6	4.3	1.8	1.1	0.5	-	1.4	1.1	19	19	100.0	0.0	
e. Unspecified	0	1	1	0	0	2	2	0.1	1.1	0.1	0.5	-	0.4	0.3	-	-	0.2	0.2	3	3	100.0	0.0	
III CNS NEOPLASMS	20	168	139	111	84	438	522	24.2	100.0	19.4	100.0	28.6	59.5	37.8	28.4	20.3	41.1	36.4	598	699	83.1	0.2	
a. Ependymoma	1	15	4	9	2	29	31	1.6	6.6	1.2	5.9	1.4	5.3	1.1	2.3	0.5	2.8	2.3	40	42	100.0	0.0	
b. Astrocytoma	11	84	72	68	47	235	282	13.0	53.7	10.5	54.0	15.8	29.7	19.6	17.4	11.4	21.8	19.5	320	376	86.5	0.0	
c. CNS embryonal	6	37	35	13	15	91	106	5.0	20.8	3.9	20.3	8.6	13.1	9.5	3.3	3.6	8.8	7.6	125	143	98.1	0.0	
d. Other gliomas	1	27	27	17	18	72	90	4.0	16.4	3.3	17.2	1.4	9.6	7.3	4.3	4.4	6.7	6.2	98	120	51.1	1.1	
e. Other specified	1	3	1	2	1	7	8	0.4	1.6	0.3	1.5	1.4	1.1	0.3	0.5	0.2	0.7	0.6	10	11	87.5	0.0	
f. Unspecified CNS	0	2	0	2	1	4	5	0.2	0.9	0.2	1.0	-	0.7	-	0.5	0.2	0.4	0.3	5	7	40.0	0.0	
IV NEUROBLASTOMA	49	61	11	4	2	125	127	6.9	100.0	4.7	100.0	70.2	21.6	3.0	1.0	0.5	13.3	10.5	176	179	99.2	0.0	
a. (Ganglio)neuroblastoma	49	60	11	3	2	123	125	6.8	98.4	4.6	98.4	70.2	21.2	3.0	0.8	0.5	13.2	10.3	173	176	99.2	0.0	
b. Peripheral nervous	0	1	0	1	0	2	2	0.1	1.6	0.1	1.6	-	0.4	-	0.3	-	0.2	0.1	3	3	100.0	0.0	
V RETINOBLASTOMA	24	19	6	0	0	49	49	2.7	100.0	1.8	100.0	34.4	6.7	1.6	-	-	5.3	4.1	69	69	79.6	0.0	
VI RENAL TUMOURS	12	59	14	3	3	88	91	4.9	100.0	3.4	100.0	17.2	20.9	3.8	0.8	0.7	9.3	7.3	124	127	100.0	0.0	
a. Nephroblastoma	12	58	13	1	0	84	84	4.6	95.5	3.1	92.3	17.2	20.5	3.5	0.3	-	8.9	6.9	118	118	100.0	0.0	
b. Renal carcinoma	0	1	1	2	3	4	7	0.2	4.5	0.3	7.7	-	0.4	0.3	0.5	0.7	0.3	0.4	5	9	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	8	15	6	1	3	30	33	1.7	100.0	1.2	100.0	11.5	5.3	1.6	0.3	0.7	3.1	2.6	42	46	93.9	0.0	
a. Hepatoblastoma	8	15	6	1	1	30	31	1.7	100.0	1.2	93.9	11.5	5.3	1.6	0.3	0.2	3.1	2.5	42	43	93.5	0.0	
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	-	0.1	6.1	-	-	-	0.5	-	0.1	-	2	2	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	7	35	57	78	99	177	5.5	100.0	6.6	100.0	-	2.5	9.5	14.6	18.9	8.1	10.5	130	225	100.0	0.0	
a. Osteosarcoma	0	3	14	30	43	47	90	2.6	47.5	3.3	50.8	-	1.1	3.8	7.7	10.4	3.8	5.3	62	114	100.0	0.0	
b. Chondrosarcoma	0	0	1	1	6	2	8	0.1	2.0	0.3	4.5	-	-	0.3	0.3	1.5	0.2	0.5	3	10	100.0	0.0	
c. Ewing & related	0	4	18	24	24	46	70	2.5	46.5	2.6	39.5	-	1.4	4.9	6.1	5.8	3.8	4.3	61	90	100.0	0.0	
d. Other specified	0	0	2	2	4	4	8	0.2	4.0	0.3	4.5	-	-	0.5	0.5	1.0	0.3	0.5	5	10	100.0	0.0	
e. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.6	-	-	-	-	0.2	-	0.1	-	1	1	100.0	0.0
IX SOFT TISSUE SARCOMA	10	37	39	46	49	132	181	7.3	100.0	6.7	100.0	14.3	13.1	10.6	11.8	11.9	12.0	12.0	179	238	99.4	0.0	
a. Rhabdomyosarcoma	4	28	14	19	6	65	71	3.6	49.2	2.6	39.2	5.7	9.9	3.8	4.9	1.5	6.2	5.1	89	96	100.0	0.0	
b. Fibrosarcoma	2	2	5	6	9	15	24	0.8	11.4	0.9	13.3	2.9	0.7	1.4	1.5	2.2	1.3	1.5	20	31	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	4	5	18	18	27	45	72	2.5	34.1	2.7	39.8	5.7	1.8	4.9	4.6	6.5	3.9	4.5	60	93	98.6	0.0	
e. Unspecified	0	2	2	3	7	7	14	0.4	5.3	0.5	7.7	-	0.7	0.5	0.8	1.7	0.6	0.9	9	18	100.0	0.0	
X GERM CELL TUMOURS	19	11	9	22	128	61	189	3.4	100.0	7.0	100.0	27.2	3.9	2.4	5.6	31.0	5.7	11.4	83	238	98.9	0.0	
a. CNS germ cell	2	0	4	6	9	12	21	0.7	19.7	0.8	11.1	2.9	-	1.1	1.5	2.2	1.0	1.3	16	27	100.0	0.0	
b. Other extragonadal	12	8	1	1	4	22	26	1.2	36.1	1.0	13.8	17.2	2.8	0.3	0.3	1.0	2.4	2.0	31	36	92.3	0.0	
c. Gonadal germ cell	5	3	4	14	110	26	136	1.4	42.6	5.1	72.0	7.2	1.1	1.1	3.6	26.6	2.3	7.7	35	168	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	4	0	4	-	-	0.1	2.1	-	-	-	-	1.0	-	0.2	-	5	5	100.0	0.0
e. Unspecified gonadal	0	0	0	1	1	1	2	0.1	1.6	0.1	1.1	-	-	-	0.3	0.2	0.1	0.1	1	2	100.0	0.0	
XI CARCINOMA & MELANOMA	3	3	12	63	225	81	306	4.5	100.0	11.4	100.0	4.3	1.1	3.3	16.1	54.5	6.4	17.2	105	378	100.0	0.0	
a. Adrenocortical	2	1	1	0	4	4	8	0.2	4.9	0.3	2.6	2.9	0.4	0.3	-	1.0	0.4	0.5	6	10	100.0	0.0	
b. Thyroid	0	0	5	25	85	30	115	1.7	37.0	4.3	37.6	-	-	1.4	6.4	20.6	2.3	6.4	39	142	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	4	0	4	-	-	0.1	1.3	-	-	-	-	1.0	-	0.2	-	5	5	100.0	0.0
d. Melanoma	0	0	4	27	84	31	115	1.7	38.3	4.3	37.6	-	-	1.1	6.9	20.3	2.4	6.4	40	142	100.0	0.0	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	1	2	2	11	48	16	64	0.9	19.8	2.4	20.9	1.4	0.7	0.5	2.8	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	5.7	0.4	-	0.5	-	0.7	0.5	10	10	57.1	42.9	
a. Other specified	1	0	0	2	0	3	3	0.2	42.9	0.1	42.9	1.4	-	-	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	0.1	57.1	4.3	0.4	-	-	-	0.4	0.3	6	6	25.0	75.0	
TOTAL	171	668	463	505	886	1807	2693	100.0	100.0	100.0	100.0	244.9	236.5	125.8	129.2	214.4	170.3	180.2	2465	3538	95.8	0.1	

Please consult the quality indicators for this registry

USA, Iowa, White (1993-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups												Number of cases in age groups									
	0	1-4	5-9	10-14	15-19	0-14	0-19	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	8	142	81	57	61	288	349	54.3	48.6	1.2	1.3	11	129	55	38	41	233	274	47.2	41.2		
a. Lymphoid	2	122	64	43	31	231	262	43.8	37.2	1.3	1.3	5	108	44	25	18	182	200	37.2	30.8		
b. Acute myeloid	2	14	9	9	25	34	59	6.3	7.5	0.9	1.1	6	17	5	11	14	39	53	7.8	7.6		
c. CMD	0	1	0	3	3	4	7	0.6	0.8	0.4	0.4	0	4	3	2	8	9	17	1.7	2.2		
d. MDS & other	3	3	5	1	1	12	13	2.3	1.9	12.0	13.0	0	0	1	0	0	1	1	0.2	0.1		
e. Unspecified	1	2	3	1	1	7	8	1.3	1.1	3.5	2.7	0	0	2	0	1	2	3	0.4	0.4		
II LYMPHOMA & RELATED	3	11	36	58	114	108	222	17.5	25.7	1.6	1.3	0	5	20	43	98	68	166	11.3	19.7		
a. Hodgkin	0	1	5	28	62	34	96	5.1	10.6	1.1	0.9	0	1	4	26	75	31	106	4.9	12.2		
b. Non-Hodgkin except BL	0	6	16	18	44	40	84	6.6	9.8	1.5	1.7	0	2	10	15	23	27	50	4.5	6.1		
c. Burkitt (BL)	0	0	13	10	8	23	31	3.7	3.7	4.6	6.2	0	0	3	2	0	5	5	0.8	0.7		
d. Lymphoreticular	3	4	1	2	0	10	10	2.0	1.5	2.5	2.5	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	14	84	84	56	55	238	293	43.5	39.5	1.2	1.3	6	84	55	55	29	200	229	38.6	33.1		
a. Ependymoma	0	7	4	6	1	17	18	3.1	2.5	1.4	1.4	1	8	0	3	1	12	13	2.5	2.0		
b. Astrocytoma	8	32	33	29	30	102	132	18.4	17.5	0.8	0.9	3	52	39	39	17	133	150	25.4	21.5		
c. CNS embryonal	4	26	26	9	13	65	78	12.2	10.8	2.5	2.8	2	11	9	4	2	26	28	5.2	4.2		
d. Other gliomas	1	15	20	8	10	44	54	8.0	7.3	1.6	1.5	0	12	7	9	8	28	36	5.3	5.0		
e. Other specified	1	3	1	2	0	7	7	1.3	1.0	-	7.0	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	30	32	4	2	2	68	70	14.3	11.3	1.2	1.2	19	29	7	2	0	57	57	12.4	9.6		
a. (Ganglio)neuroblastoma	30	32	4	2	2	68	70	14.3	11.3	1.2	1.3	19	28	7	1	0	55	55	12.0	9.3		
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	14	3	0	0	23	23	4.8	3.7	0.9	0.9	18	5	3	0	0	26	26	5.7	4.4		
VI RENAL TUMOURS	7	32	5	0	3	44	47	9.2	7.5	1.0	1.1	5	27	9	3	0	44	44	9.3	7.2		
a. Nephroblastoma	7	31	5	0	0	43	43	9.0	7.0	1.0	1.0	5	27	8	1	0	41	41	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	8	4	1	2	15	17	3.0	2.5	1.0	1.1	6	7	2	0	1	15	16	3.3	2.7		
a. Hepatoblastoma	2	8	4	1	0	15	15	3.0	2.3	1.0	0.9	6	7	2	0	1	15	16	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	23	31	49	58	107	9.3	12.4	1.4	1.5	0	3	12	26	29	41	70	6.8	8.5		
a. Osteosarcoma	0	3	8	16	26	27	53	4.3	6.1	1.4	1.4	0	0	6	14	17	20	37	3.2	4.4		
b. Chondrosarcoma	0	0	0	1	3	1	4	0.1	0.4	1.0	1.0	0	0	1	0	3	1	4	0.2	0.5		
c. Ewing & related	0	1	13	13	17	27	44	4.3	5.2	1.4	1.7	0	3	5	11	7	19	26	3.3	3.3		
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	0.3		
e. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	5	23	19	20	22	67	89	12.1	11.8	1.0	1.0	5	14	20	26	27	65	92	11.8	12.2		
a. Rhabdomyosarcoma	2	15	9	11	2	37	39	6.8	5.5	1.3	1.2	2	13	5	8	4	28	32	5.5	4.7		
b. Fibrosarcoma	2	2	1	2	4	7	11	1.3	1.4	0.9	0.8	0	0	4	4	5	8	13	1.3	1.6		
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	3.5	4.1	0.8	0.8	3	0	10	12	14	25	39	4.3	4.9		
e. Unspecified	0	1	1	1	3	3	6	0.5	0.7	0.8	0.8	0	1	1	2	4	4	8	0.7	1.0		
X GERM CELL TUMOURS	11	4	4	9	107	28	135	5.2	15.4	0.8	2.5	8	7	5	13	21	33	54	6.3	7.2		
a. CNS germ cell	1	0	3	6	9	10	19	1.6	2.2	5.0	9.5	1	0	1	0	0	2	2	0.4	0.3		
b. Other extragonadal	5	1	0	1	2	7	9	1.4	1.3	0.5	0.5	7	7	1	0	2	15	17	3.3	2.8		
c. Gonadal germ cell	5	3	1	2	95	11	106	2.2	11.8	0.7	3.5	0	0	3	12	15	15	30	2.4	3.5		
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	0	1	1	1	2	0.2	0.2		
XI CARCINOMA & MELANOMA	2	0	3	20	66	25	91	3.8	10.0	0.4	0.4	1	3	9	43	159	56	215	9.1	24.8		
a. Adrenocortical	2	0	0	0	1	2	3	0.4	0.4	1.0	0.6	0	1	1	0	3	2	5	0.4	0.6		
b. Thyroid	0	0	1	2	12	3	15	0.5	1.6	0.1	0.1	0	0	4	23	73	27	100	4.2	11.4		
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	1.6	4.0	0.6	0.5	0	0	3	17	58	20	78	3.1	8.9		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	1	8	24	9	33	1.3	3.6	1.3	1.1	1	2	1	3	24	7	31	1.3	3.7		
XII OTHER & UNSPECIFIED	2	0	0	1	0	3	3	0.6	0.4	0.8	0.8	2	1	0	1	0	4	4	0.8	0.6		
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	0.5		
TOTAL	90	354	266	255	481	965	1446	177.6	188.8	1.1	1.2	81	314	197	250	405	842	1247	162.5	171.1		

Please consult the quality indicators for this registry

USA, Iowa, White (1993-2012)

	Age group	Males	Females
Person-years	0	356 283	342 003
	1-4	1 447 296	1 377 499
	5-9	1 888 772	1 792 888
	10-14	2 008 223	1 900 948
	15-19	2 113 666	2 017 983
Total	0-14	5 700 574	5 413 338
	0-19	7 814 240	7 431 321
Average annual population	0-14	285 029	270 667
	0-19	390 712	371 566

Please consult the quality indicators for this registry