

USA, NPCR, API (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			0-14	0-19	
I LEUKAEMIA	120	809	477	336	335	1742	2077	35.6	100.0	29.8	100.0	41.9	71.5	35.1	25.1	23.8	44.0	39.4	628	747	97.5	0.7	
a. Lymphoid	53	655	373	204	157	1285	1442	26.2	73.8	20.7	69.4	18.5	57.9	27.4	15.2	11.2	32.6	27.8	463	519	98.8	0.3	
b. Acute myeloid	44	113	71	86	103	314	417	6.4	18.0	6.0	20.1	15.4	10.0	5.2	6.4	7.3	7.8	7.7	114	150	99.0	0.5	
c. CMD	8	7	13	31	45	59	104	1.2	3.4	1.5	5.0	2.8	0.6	1.0	2.3	3.2	1.4	1.8	22	38	83.7	5.8	
d. MDS & other	12	22	11	5	14	50	64	1.0	2.9	0.9	3.1	4.2	1.9	0.8	0.4	1.0	1.3	1.2	18	23	87.5	0.0	
e. Unspecified	3	12	9	10	16	34	50	0.7	2.0	0.7	2.4	1.0	1.1	0.7	0.7	1.1	0.8	0.9	12	18	88.0	4.0	
II LYMPHOMA & RELATED	31	115	157	226	408	529	937	10.8	100.0	13.4	100.0	10.8	10.2	11.5	16.9	29.0	12.6	16.3	193	339	98.5	0.4	
a. Hodgkin	0	14	32	87	207	133	340	2.7	25.1	4.9	36.3	-	1.2	2.4	6.5	14.7	3.0	5.7	49	123	99.4	0.0	
b. Non-Hodgkin except BL	7	44	75	104	161	230	391	4.7	43.5	5.6	41.7	2.4	3.9	5.5	7.8	11.5	5.4	6.8	84	142	99.5	0.0	
c. Burkitt (BL)	0	22	37	23	27	82	109	1.7	15.5	1.6	11.6	-	1.9	2.7	1.7	1.9	2.0	2.0	30	40	98.2	0.9	
d. Lymphoreticular	24	33	12	9	6	78	84	1.6	14.7	1.2	9.0	8.4	2.9	0.9	0.7	0.4	2.0	1.7	28	30	97.6	2.4	
e. Unspecified	0	2	1	3	7	6	13	0.1	1.1	0.2	1.4	-	0.2	0.1	0.2	0.5	0.1	0.2	2	5	53.8	7.7	
III CNS NEOPLASMS †	85	320	319	246	310	970	1280	19.8	100.0	18.3	100.0	29.7	28.3	23.4	18.4	22.0	24.0	23.5	352	462	79.4	0.7	
a. Ependymoma	17	44	27	14	28	102	130	2.1	10.5	1.9	10.2	5.9	3.9	2.0	1.0	2.0	2.6	2.5	37	47	98.5	0.0	
b. Astrocytoma	26	125	101	97	98	349	447	7.1	36.0	6.4	34.9	9.1	11.1	7.4	7.2	7.0	8.6	8.2	127	161	89.5	0.0	
c. CNS embryonal	26	73	82	35	26	216	242	4.4	22.3	3.5	18.9	9.1	6.5	6.0	2.6	1.8	5.4	4.6	78	87	99.2	0.4	
d. Other gliomas	2	38	77	39	32	156	188	3.2	16.1	2.7	14.7	0.7	3.4	5.7	2.9	2.3	3.8	3.4	57	68	38.3	1.1	
e. Other specified	5	30	31	52	118	118	236	2.4	12.2	3.4	18.4	1.7	2.7	2.3	3.9	8.4	2.8	4.1	43	85	69.5	0.0	
f. Unspecified CNS	9	10	1	9	8	29	37	0.6	3.0	0.5	2.9	3.1	0.9	0.1	0.7	0.6	0.7	0.7	10	13	32.4	16.2	
IV NEUROBLASTOMA	95	160	34	3	6	292	298	6.0	100.0	4.3	100.0	33.2	14.1	2.5	0.2	0.4	7.8	6.2	104	106	97.0	0.0	
a. (Ganglio)neuroblastoma	95	160	34	3	3	292	295	6.0	100.0	4.2	99.0	33.2	14.1	2.5	0.2	0.2	7.8	6.1	104	105	96.9	0.0	
b. Peripheral nervous	0	0	0	0	3	0	3	-	-	0.0	1.0	-	-	-	0.2	-	0.0	0.0	-	1	100.0	0.0	
V RETINOBLASTOMA	55	88	4	0	0	147	147	3.0	100.0	2.1	100.0	19.2	7.8	0.3	-	-	4.0	3.1	52	52	77.6	1.4	
VI RENAL TUMOURS	26	104	24	9	14	163	177	3.3	100.0	2.5	100.0	9.1	9.2	1.8	0.7	1.0	4.3	3.6	58	63	98.3	1.1	
a. Nephroblastoma	26	102	22	6	5	156	161	3.2	95.7	2.3	91.0	9.1	9.0	1.6	0.4	0.4	4.1	3.3	55	57	100.0	0.0	
b. Renal carcinoma	0	0	2	3	9	5	14	0.1	3.1	0.2	7.9	-	-	0.1	0.2	0.6	0.1	0.2	2	5	92.9	7.1	
c. Unspecified	0	2	0	0	0	2	2	0.0	1.2	0.0	1.1	-	0.2	-	-	-	0.1	0.0	1	1	0.0	50.0	
VII HEPATIC TUMOURS	40	70	18	16	29	144	173	2.9	100.0	2.5	100.0	14.0	6.2	1.3	1.2	2.1	3.8	3.4	51	62	96.0	0.0	
a. Hepatoblastoma	36	69	8	3	2	116	118	2.4	80.6	1.7	68.2	12.6	6.1	0.6	0.2	0.1	3.1	2.5	41	42	97.5	0.0	
b. Hepatic carcinoma	3	0	10	13	27	26	53	0.5	18.1	0.8	30.6	1.0	-	0.7	1.0	1.9	0.6	0.9	10	19	92.5	0.0	
c. Unspecified	1	1	0	0	0	2	2	0.0	1.4	0.0	1.2	0.3	0.1	-	-	-	0.1	0.0	1	1	100.0	0.0	
VIII BONE TUMOURS	3	13	54	121	151	191	342	3.9	100.0	4.9	100.0	1.0	1.1	4.0	9.0	10.7	4.3	5.8	71	124	98.8	0.3	
a. Osteosarcoma	0	3	38	87	94	128	222	2.6	67.0	3.2	64.9	-	0.3	2.8	6.5	6.7	2.9	3.7	47	81	100.0	0.0	
b. Chondrosarcoma	0	0	0	2	5	2	7	0.0	1.0	0.1	2.0	-	-	-	0.1	0.4	0.0	0.1	1	3	85.7	0.0	
c. Ewing & related	3	9	11	25	39	48	87	1.0	25.1	1.2	25.4	1.0	0.8	0.8	1.9	2.8	1.1	1.5	18	31	100.0	0.0	
d. Other specified	0	1	5	5	10	11	21	0.2	5.8	0.3	6.1	-	0.1	0.4	0.4	0.7	0.3	0.4	4	8	95.2	0.0	
e. Unspecified	0	0	0	2	3	2	5	0.0	1.0	0.1	1.5	-	-	-	0.1	0.2	0.0	0.1	1	2	60.0	20.0	
IX SOFT TISSUE SARCOMA	26	73	54	88	142	241	383	4.9	100.0	5.5	100.0	9.1	6.5	4.0	6.6	10.1	5.9	6.8	88	138	99.5	0.3	
a. Rhabdomyosarcoma	15	57	27	29	29	128	157	2.6	53.1	2.2	41.0	5.2	5.0	2.0	2.2	2.1	3.2	3.0	46	56	99.4	0.0	
b. Fibrosarcoma	5	6	6	10	15	27	42	0.6	11.2	0.6	11.0	1.7	0.5	0.4	0.7	1.1	0.7	0.8	10	15	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.0	0.3	-	-	-	-	0.1	-	0.0	-	0	0	100.0	0.0
d. Other specified	3	9	14	37	75	63	138	1.3	26.1	2.0	36.0	1.0	0.8	1.0	2.8	5.3	1.5	2.3	23	50	100.0	0.0	
e. Unspecified	3	1	7	12	22	23	45	0.5	9.5	0.6	11.7	1.0	0.1	0.5	0.9	1.6	0.5	0.8	8	16	97.8	2.2	
X GERM CELL TUMOURS	50	56	47	133	253	286	539	5.8	100.0	7.7	100.0	17.5	5.0	3.5	9.9	18.0	6.9	9.4	104	194	95.7	0.0	
a. CNS germ cell ‡	5	10	24	71	54	110	164	2.2	38.5	2.3	30.4	1.7	0.9	1.8	5.3	3.8	2.5	2.8	41	60	90.9	0.0	
b. Other extragonadal	29	17	2	8	36	56	92	1.1	19.6	1.3	17.1	10.1	1.5	0.1	0.6	2.6	1.5	1.7	20	33	94.6	0.0	
c. Gonadal germ cell	15	29	21	50	136	115	251	2.3	40.2	3.6	46.6	5.2	2.6	1.5	3.7	9.7	2.8	4.3	42	90	99.6	0.0	
d. Gonadal carcinoma	0	0	0	3	23	3	26	0.1	1.0	0.4	4.8	-	-	-	0.2	1.6	0.1	0.4	1	9	96.2	0.0	
e. Unspecified gonadal	1	0	0	1	4	2	6	0.0	0.7	0.1	1.1	0.3	-	-	0.1	0.3	0.0	0.1	1	2	83.3	0.0	
XI CARCINOMA & MELANOMA	5	16	29	126	427	176	603	3.6	100.0	8.6	100.0	1.7	1.4	2.1	9.4	30.4	4.0	9.9	65	217	98.8	0.3	
a. Adrenocortical	1	3	1	2	1	7	8	0.1	4.0	0.1	1.3	0.3	0.3	0.1	0.1	0.1	0.2	0.2	3	3	87.5	0.0	
b. Thyroid	0	2	9	73	265	84	349	1.7	47.7	5.0	57.9	-	0.2	0.7	5.4	18.8	1.8	5.7	31	125	100.0	0.0	
c. Nasopharyngeal	0	0	3	8	27	11	38	0.2</															

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	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	62	449	258	191	201	960	1161	47.7	43.3	1.2	1.3	58	360	219	145	134	782	916	40.1	35.4				
a. Lymphoid	25	357	211	112	107	705	812	35.2	30.6	1.2	1.3	28	298	162	92	50	580	630	29.9	24.8				
b. Acute myeloid	24	66	34	51	45	175	220	8.6	8.1	1.3	1.1	20	47	37	35	58	139	197	7.0	7.4				
c. CMD	5	2	5	19	33	31	64	1.4	2.1	1.1	1.6	3	5	8	12	12	28	40	1.4	1.4				
d. MDS & other	7	13	3	4	6	27	33	1.4	1.3	1.2	1.1	5	9	8	1	8	23	31	1.2	1.2				
e. Unspecified	1	11	5	5	10	22	32	1.1	1.2	1.8	1.8	2	1	4	5	6	12	18	0.6	0.6				
II LYMPHOMA & RELATED	12	82	102	140	232	336	568	15.8	19.5	1.7	1.5	19	33	55	86	176	193	369	9.3	13.0				
a. Hodgkin	0	11	24	53	118	88	206	4.0	6.8	2.0	1.5	0	3	8	34	89	45	134	2.1	4.5				
b. Non-Hodgkin except BL	4	31	43	61	87	139	226	6.5	7.8	1.5	1.4	3	13	32	43	74	91	165	4.3	5.8				
c. Burkitt (BL)	0	17	27	18	20	62	82	2.9	2.9	3.1	3.0	0	5	10	5	7	20	27	1.0	1.0				
d. Lymphoreticular	8	22	8	6	3	44	47	2.2	1.8	1.3	1.3	16	11	4	3	3	34	37	1.8	1.5				
e. Unspecified	0	1	0	2	4	3	7	0.1	0.2	1.0	1.2	0	1	1	1	3	3	6	0.1	0.2				
III CNS NEOPLASMS †	38	172	170	122	147	502	649	24.5	23.6	1.1	1.0	47	148	149	124	163	468	631	23.4	23.5				
a. Ependymoma	10	26	14	6	11	56	67	2.8	2.6	1.2	1.1	7	18	13	8	17	46	63	2.4	2.4				
b. Astrocytoma	11	65	50	51	50	177	227	8.6	8.2	1.0	1.0	15	60	51	46	48	172	220	8.6	8.3				
c. CNS embryonal	13	39	51	16	12	119	131	5.9	4.9	1.2	1.2	13	34	31	19	14	97	111	4.9	4.3				
d. Other gliomas	0	18	40	18	16	76	92	3.6	3.3	0.9	1.0	2	20	37	21	16	80	96	3.9	3.6				
e. Other specified	1	18	14	26	53	59	112	2.8	3.8	1.0	0.9	4	12	17	26	65	59	124	2.8	4.3				
f. Unspecified CNS	3	6	1	5	5	15	20	0.7	0.7	1.1	1.2	6	4	0	4	3	14	17	0.7	0.7				
IV NEUROBLASTOMA	54	84	16	3	2	157	159	8.3	6.5	1.2	1.1	41	76	18	0	4	135	139	7.4	5.8				
a. (Ganglioneuroblastoma	54	84	16	3	0	157	157	8.3	6.4	1.2	1.1	41	76	18	0	3	135	138	7.4	5.8				
b. Peripheral nervous	0	0	0	0	2	0	2	-	0.1	-	2.0	0	0	0	0	1	0	1	-	0.0				
V RETINOBLASTOMA	30	41	3	0	0	74	74	4.0	3.1	1.0	1.0	25	47	1	0	0	73	73	4.0	3.1				
VI RENAL TUMOURS	15	42	13	6	11	76	87	3.9	3.4	0.9	1.0	11	62	11	3	3	87	90	4.7	3.7				
a. Nephroblastoma	15	42	12	4	4	73	77	3.8	3.1	0.9	0.9	11	60	10	2	1	83	84	4.5	3.5				
b. Renal carcinoma	0	0	1	2	7	3	10	0.1	0.3	1.5	2.5	0	0	1	1	2	4	0.1	0.1					
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	2	0	0	0	2	2	0.1	0.1				
VII HEPATIC TUMOURS	23	50	10	10	18	93	111	4.8	4.3	1.8	1.8	17	20	8	6	11	51	62	2.7	2.5				
a. Hepatoblastoma	21	50	4	2	1	77	78	4.1	3.2	2.0	2.0	15	19	4	1	1	39	40	2.1	1.7				
b. Hepatic carcinoma	1	0	6	8	17	15	32	0.7	1.1	1.4	1.5	2	0	4	5	10	11	21	0.5	0.7				
c. Unspecified	1	0	0	0	0	1	1	0.1	0.0	1.0	1.0	0	1	0	0	0	1	1	0.1	0.0				
VIII BONE TUMOURS	2	7	25	63	88	97	185	4.3	6.1	1.0	1.2	1	6	29	58	63	94	157	4.3	5.4				
a. Osteosarcoma	0	1	18	41	53	60	113	2.6	3.7	0.9	1.0	0	2	20	46	41	68	109	3.1	3.7				
b. Chondrosarcoma	0	0	0	1	2	1	3	0.0	0.1	1.0	0.8	0	0	0	1	3	1	4	0.0	0.1				
c. Ewing & related	2	5	3	18	26	28	54	1.3	1.8	1.4	1.6	1	4	8	7	13	20	33	1.0	1.2				
d. Other specified	0	1	4	2	6	7	13	0.3	0.4	1.8	1.6	0	0	1	3	4	4	8	0.2	0.3				
e. Unspecified	0	0	0	1	1	1	2	0.0	0.1	1.0	0.7	0	0	0	1	2	1	3	0.0	0.1				
IX SOFT TISSUE SARCOMA	16	49	37	36	89	138	227	6.8	8.0	1.3	1.5	10	24	17	52	53	103	156	5.0	5.6				
a. Rhabdomyosarcoma	10	39	20	12	17	81	98	4.1	3.7	1.7	1.7	5	18	7	17	12	47	59	2.4	2.2				
b. Fibrosarcoma	2	5	3	3	8	13	21	0.6	0.8	0.9	1.0	3	1	3	7	7	14	21	0.7	0.8				
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.0	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	2	4	9	16	49	31	80	1.4	2.6	1.0	1.4	1	5	5	21	26	32	58	1.5	2.0				
e. Unspecified	2	1	5	5	14	13	27	0.6	0.9	1.3	1.5	1	0	2	7	8	10	18	0.5	0.6				
X GERM CELL TUMOURS	28	38	16	63	155	145	300	7.0	10.3	1.0	1.3	22	18	31	70	98	141	239	6.8	8.5				
a. CNS germ cell ‡	2	4	14	51	46	71	117	3.1	3.9	1.8	2.5	3	6	10	20	8	39	47	1.9	1.7				
b. Other extragonadal	10	6	0	6	30	22	52	1.1	1.8	0.6	1.3	19	11	2	2	6	34	40	1.8	1.6				
c. Gonadal germ cell	15	28	2	6	78	51	129	2.7	4.5	0.8	1.1	0	1	19	44	58	64	122	2.9	4.2				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.0	0.0	0.0	0	0	0	3	22	3	25	0.1	0.8				
e. Unspecified gonadal	1	0	0	0	0	1	1	0.1	0.0	1.0	0.2	0	0	0	1	4	1	5	0.0	0.2				
XI CARCINOMA & MELANOMA	1	6	13	39	121	59	180	2.6	5.8	0.5	0.4	4	10	16	87	306	117	423	5.4	14.2				
a. Adrenocortical	0	2	0	0	1	2	3	0.1	0.1	0.4	0.6	1	1	1	2	0	5	5	0.2	0.2				
b. Thyroid	0	0	3	11	36	14	50	0.6	1.6	0.2	0.2	0	2	6	62	229	70	299	3.1	9.9				
c. Nasopharyngeal	0	0	3	8	16	11	27	0.5	0.9	-	2.5	0	0	0	0	11	0	11	-	0.4				
d. Melanoma	0	3	2	6	7	11	18	0.5	0.6	0.8	0.7	1	7	2	4	11	14	25	0.7	0.9				
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	1	0	0	2	2	0.1	0.1				
f. Other & unspecified	1	1	5	14	61	21	82	0.9	2.6	0.8	1.0	1	0	6	19	55	26	81	1.2	2.7				
XII OTHER & UNSPECIFIED	1	4	1	0	3	6	9	0.3	0.3	0.5	0.6	2	5	1	3	5	11	16	0.6	0.6				
a. Other specified	0	4	0	0	1	4	5	0.2	0.2	0.6	0.6	1	4	1	1	2	7	9	0.4	0.4				
b. Other unspecified	1	0	1	0	2	2	4	0.1	0.1	0.5	0.6	1	1	0	2	3	4	7	0.2	0.3				
TOTAL	282	1024	664	673	1067	2643	3710	130.1	134.2	1.2	1.1	257	809	555	634	1016	2255	3271	113.7	121.4				

† includes 138 non-malignant in males and 156 non-malignant in females ‡ includes 5 non-malignant in males and 4 non-malignant in females

Please consult the quality indicators for the constituent registries

USA, NPCR, API (1998-2012)

	Age group	Males	Females
Person-years	0	1 469 631	1 392 475
	1-4	5 727 880	5 584 171
	5-9	6 857 045	6 750 030
	10-14	6 832 008	6 573 695
	15-19	7 195 886	6 863 785
Total	0-14	20 886 564	20 300 371
	0-19	28 082 450	27 164 156
Average annual population	0-14	1 392 438	1 353 358
	0-19	1 872 163	1 810 944

Please consult the quality indicators for the constituent registries

USA, NPCR, API (1998-2012)

Registry	Period	Cases	%	Person-years	%
Alabama	1998-2012	23	0.3	216 500	0.4
Alaska	1998-2012	43	0.6	202 610	0.4
Arizona	1998-2012	72	1.0	737 081	1.3
Arkansas	1998-2012	22	0.3	166 481	0.3
California	1998-2012	2708	38.8	19 245 093	34.8
Colorado	1998-2012	86	1.2	639 507	1.2
Delaware	1998-2012	10	0.1	106 178	0.2
District of Columbia	1998-2012	7	0.1	50 994	0.1
Florida	1998-2012	143	2.0	1 755 096	3.2
Georgia	1998-2012	163	2.3	1 208 881	2.2
Idaho	1998-2012	11	0.2	94 196	0.2
Illinois	1998-2012	304	4.4	2 238 140	4.1
Indiana	1998-2012	55	0.8	424 062	0.8
Kansas	1998-2012	42	0.6	303 151	0.5
Kentucky	1998-2012	28	0.4	209 928	0.4
Louisiana	1998-2012	54	0.8	297 827	0.5
Maine	1998-2012	11	0.2	66 081	0.1
Maryland	1998-2012	99	1.4	1 197 250	2.2
Massachusetts	1998-2012	150	2.1	1 379 920	2.5
Michigan	1998-2012	93	1.3	1 103 510	2.0
Minnesota	1998-2012	191	2.7	1 131 848	2.0
Mississippi	2002-2012	7	0.1	87 481	0.2
Missouri	1998-2012	47	0.7	416 956	0.8
Montana	1998-2012	4	0.1	31 846	0.1
Nebraska	1998-2012	26	0.4	152 452	0.3
Nevada	1998-2012	76	1.1	682 717	1.2
New Hampshire	1998-2012	9	0.1	115 590	0.2
New Jersey	1998-2012	411	5.9	2 734 790	5.0
New York State	1998-2012	585	8.4	5 139 575	9.3
North Carolina	1998-2012	96	1.4	868 246	1.6
North Dakota	1998-2012	1	0.0	25 646	0.0
Ohio	1998-2012	85	1.2	797 249	1.4
Oklahoma	1998-2012	41	0.6	291 870	0.5
Oregon	1998-2012	93	1.3	670 569	1.2
Pennsylvania	1998-2012	158	2.3	1 363 986	2.5
Rhode Island	1998-2012	13	0.2	153 499	0.3
South Carolina	1998-2012	27	0.4	242 754	0.4
South Dakota	2001-2012	2	0.0	29 530	0.1
Tennessee	1999-2012	42	0.6	370 530	0.7
Texas	1998-2012	384	5.5	3 756 079	6.8
Vermont	1998-2012	3	0.0	36 415	0.1
Virginia	1998-2012	153	2.2	1 636 581	3.0
Washington State	1998-2012	285	4.1	2 074 625	3.8
West Virginia	1998-2012	7	0.1	48 721	0.1
Wisconsin	1998-2012	107	1.5	725 827	1.3
Wyoming	1998-2012	4	0.1	18 738	0.0
USA	1998-2012	6981	100.0	55 246 606	100.0

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