

USA, California, San Francisco, API (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
I LEUKAEMIA	13	90	42	21	36	166	202	35.5	100.0	30.1	100.0	54.7	93.7	36.7	17.8	31.2	50.3	46.0	702	859	98.5	0.0
a. Lymphoid	4	77	31	15	15	127	142	27.2	76.5	21.2	70.3	16.8	80.2	27.1	12.7	13.0	38.6	32.8	537	602	100.0	0.0
b. Acute myeloid	6	10	9	5	10	30	40	6.4	18.1	6.0	19.8	25.2	10.4	7.9	4.2	8.7	8.9	8.9	127	171	100.0	0.0
c. CMD	2	1	1	0	8	4	12	0.9	2.4	1.8	5.9	8.4	1.0	0.9	-	6.9	1.3	2.5	17	52	75.0	0.0
d. MDS & other	1	1	1	1	2	4	6	0.9	2.4	0.9	3.0	4.2	1.0	0.9	0.8	1.7	1.2	1.3	17	26	100.0	0.0
e. Unspecified	0	1	0	0	1	1	2	0.2	0.6	0.3	1.0	-	1.0	-	-	0.9	0.3	0.4	4	9	100.0	0.0
II LYMPHOMA & RELATED	0	14	17	23	37	54	91	11.6	100.0	13.6	100.0	-	14.6	14.8	19.5	32.1	15.0	18.8	230	391	97.8	0.0
a. Hodgkin	0	1	3	5	17	9	26	1.9	16.7	3.9	28.6	-	1.0	2.6	4.2	14.7	2.4	5.2	38	112	100.0	0.0
b. Non-Hodgkin except BL	0	6	9	15	16	30	46	6.4	55.6	6.9	50.5	-	6.2	7.9	12.7	13.9	8.2	9.5	128	197	100.0	0.0
c. Burkitt (BL)	0	2	3	3	3	8	11	1.7	14.8	1.6	12.1	-	2.1	2.6	2.5	2.6	2.2	2.3	34	47	100.0	0.0
d. Lymphoreticular	0	3	2	0	0	5	5	1.1	9.3	0.7	5.5	-	3.1	1.7	-	-	1.5	1.2	21	21	100.0	0.0
e. Unspecified	0	2	0	0	1	2	3	0.4	3.7	0.4	3.3	-	2.1	-	-	0.9	0.6	0.7	8	13	33.3	0.0
III CNS NEOPLASMS	1	34	23	18	12	76	88	16.3	100.0	13.1	100.0	4.2	35.4	20.1	15.3	10.4	22.2	19.6	323	375	87.5	0.0
a. Ependymoma	0	3	4	3	2	10	12	2.1	13.2	1.8	13.6	-	3.1	3.5	2.5	1.7	2.8	2.6	43	51	100.0	0.0
b. Astrocytoma	0	12	11	8	4	31	35	6.6	40.8	5.2	39.8	-	12.5	9.6	6.8	3.5	8.9	7.7	132	149	94.3	0.0
c. CNS embryonal	1	10	5	4	4	20	24	4.3	26.3	3.6	27.3	4.2	10.4	4.4	3.4	3.5	5.9	5.4	85	102	100.0	0.0
d. Other gliomas	0	7	3	3	2	13	15	2.8	17.1	2.2	17.0	-	7.3	2.6	2.5	1.7	3.8	3.4	55	64	40.0	0.0
e. Other specified	0	1	0	0	0	1	1	0.2	1.3	0.1	1.1	-	1.0	-	-	-	0.3	0.3	4	4	100.0	0.0
f. Unspecified CNS	0	1	0	0	0	1	1	0.2	1.3	0.1	1.1	-	1.0	-	-	-	0.3	0.3	4	4	100.0	0.0
IV NEUROBLASTOMA	16	11	4	0	0	31	31	6.6	100.0	4.6	100.0	67.3	11.5	3.5	-	-	9.9	7.6	130	130	96.8	0.0
a. (Ganglio)neuroblastoma	16	11	4	0	0	31	31	6.6	100.0	4.6	100.0	67.3	11.5	3.5	-	-	9.9	7.6	130	130	96.8	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	6	11	1	0	0	18	18	3.9	100.0	2.7	100.0	25.2	11.5	0.9	-	-	5.8	4.5	75	75	77.8	0.0
VI RENAL TUMOURS	1	7	1	2	2	11	13	2.4	100.0	1.9	100.0	4.2	7.3	0.9	1.7	1.7	3.4	3.0	46	55	92.3	7.7
a. Nephroblastoma	1	7	1	2	0	11	11	2.4	100.0	1.6	84.6	4.2	7.3	0.9	1.7	-	3.4	2.6	46	46	100.0	0.0
b. Renal carcinoma	0	0	0	0	2	0	2	-	-	0.3	15.4	-	-	-	-	1.7	-	0.4	-	9	50.0	50.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	2	7	3	2	4	14	18	3.0	100.0	2.7	100.0	8.4	7.3	2.6	1.7	3.5	4.2	4.1	59	77	100.0	0.0
a. Hepatoblastoma	1	7	3	0	1	11	12	2.4	78.6	1.8	66.7	4.2	7.3	2.6	-	0.9	3.4	2.9	46	51	100.0	0.0
b. Hepatic carcinoma	1	0	0	2	3	3	6	0.6	21.4	0.9	33.3	4.2	-	-	1.7	2.6	0.8	1.2	13	26	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	2	6	15	16	23	39	4.9	100.0	5.8	100.0	-	2.1	5.2	12.7	13.9	6.0	7.8	98	168	100.0	0.0
a. Osteosarcoma	0	0	6	8	11	14	25	3.0	60.9	3.7	64.1	-	-	5.2	6.8	9.5	3.7	5.0	60	108	100.0	0.0
b. Chondrosarcoma	0	0	0	1	1	1	2	0.2	4.3	0.3	5.1	-	-	-	0.8	0.9	0.2	0.4	4	9	100.0	0.0
c. Ewing & related	0	2	0	6	4	8	12	1.7	34.8	1.8	30.8	-	2.1	-	5.1	3.5	2.1	2.4	34	51	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	2	4	9	6	13	21	34	4.5	100.0	5.1	100.0	8.4	4.2	7.9	5.1	11.3	6.0	7.2	90	146	100.0	0.0
a. Rhabdomyosarcoma	2	3	5	1	3	11	14	2.4	52.4	2.1	41.2	8.4	3.1	4.4	0.8	2.6	3.3	3.1	47	60	100.0	0.0
b. Fibrosarcoma	0	0	1	0	2	1	3	0.2	4.8	0.4	8.8	-	-	0.9	-	1.7	0.3	0.6	4	13	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	1	3	4	7	8	15	1.7	38.1	2.2	44.1	-	1.0	2.6	3.4	6.1	2.2	3.0	34	65	100.0	0.0
e. Unspecified	0	0	0	1	1	1	2	0.2	4.8	0.3	5.9	-	-	-	0.8	0.9	0.2	0.4	4	9	100.0	0.0
X GERM CELL TUMOURS	9	4	5	16	30	34	64	7.3	100.0	9.6	100.0	37.9	4.2	4.4	13.6	26.0	9.6	13.3	144	274	95.3	0.0
a. CNS germ cell	0	0	2	7	8	9	17	1.9	26.5	2.5	26.6	-	-	1.7	5.9	6.9	2.3	3.3	38	73	88.2	0.0
b. Other extragonadal	6	0	0	1	2	7	9	1.5	20.6	1.3	14.1	25.2	-	-	0.8	1.7	2.2	2.1	29	38	88.9	0.0
c. Gonadal germ cell	3	4	3	7	19	17	36	3.6	50.0	5.4	56.3	12.6	4.2	2.6	5.9	16.5	4.8	7.5	72	154	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	1	1	2	0.2	2.9	0.3	3.1	-	-	-	0.8	0.9	0.2	0.4	4	9	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	0	1	2	15	53	18	71	3.9	100.0	10.6	100.0	-	1.0	1.7	12.7	46.0	4.6	13.9	77	306	100.0	0.0
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Thyroid	0	0	0	9	35	9	44	1.9	50.0	6.6	62.0	-	-	-	7.6	30.4	2.2	8.6	38	190	100.0	0.0
c. Nasopharyngeal	0	0	0	0	4	0	4	-	-	0.6	5.6	-	-	-	-	3.5	-	0.8	-	17	100.0	0.0
d. Melanoma	0	1	1	3	3	5	8	1.1	27.8	1.2	11.3	-	1.0	0.9	2.5	2.6	1.3	1.6	21	34	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	1	3	11	4	15	0.9	22.2	2.2	21.1	-	-	0.9	2.5	9.5	1.0	2.9	17	65	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	1	0	0	1	1	0.2	100.0	0.1	100.0	-	-	0.9	-	-	0.3	0.2	4	4	100.0	0.0
a. Other specified	0	0	1	0	0	1	1	0.2	100.0	0.1	100.0	-	-	0.9	-	-	0.3	0.2	4	4	100.0	0.0
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	50	185	114	118	203	467	670	100.0	100.0	100.0	100.0	210.3	192.7	99.5	100.2	176.1	137.1	145.9	1979	2860	96.3	0.1

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	Males										M/F ratio		Females									
			Number of cases in age groups					ASR per million		0-14	0-19			Number of cases in age groups					ASR per million			
	0	1-4	5-9	10-14	15-19	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	7	67	17	13	21	104	125	62.3	56.3	1.7	1.6	6	23	25	8	15	62	77	37.7	35.2		
a. Lymphoid	2	56	13	8	8	79	87	47.6	39.9	1.6	1.6	2	21	18	7	7	48	55	29.1	25.4		
b. Acute myeloid	3	8	3	4	6	18	24	10.5	10.4	1.5	1.5	3	2	6	1	4	12	16	7.3	7.2		
c. CMD	2	1	0	0	5	3	8	1.9	3.4	3.0	2.0	0	0	1	0	3	1	4	0.6	1.6		
d. MDS & other	0	1	1	1	1	3	4	1.7	1.7	3.0	2.0	1	0	0	0	1	1	2	0.7	0.9		
e. Unspecified	0	1	0	0	1	1	2	0.6	0.9	-	-	0	0	0	0	0	0	0	-	-		
II LYMPHOMA & RELATED	0	9	12	17	23	38	61	20.4	24.6	2.4	2.0	0	5	5	6	14	16	30	9.2	12.8		
a. Hodgkin	0	1	3	5	12	9	21	4.7	8.2	-	4.2	0	0	0	0	5	0	5	-	2.0		
b. Non-Hodgkin except BL	0	4	6	10	7	20	27	10.6	10.9	2.0	1.4	0	2	3	5	9	10	19	5.6	7.9		
c. Burkitt (BL)	0	1	2	2	3	5	8	2.7	3.2	1.7	2.7	0	1	1	1	0	3	3	1.7	1.4		
d. Lymphoreticular	0	3	1	0	0	4	4	2.4	1.9	4.0	4.0	0	0	1	0	0	1	1	0.6	0.4		
e. Unspecified	0	0	0	0	1	0	1	-	0.4	0.0	0.5	0	2	0	0	0	2	2	1.3	1.0		
III CNS NEOPLASMS	1	20	13	11	5	45	50	25.7	21.8	1.5	1.3	0	14	10	7	7	31	38	18.6	17.2		
a. Ependymoma	0	1	2	1	2	4	6	2.2	2.5	0.7	1.0	0	2	2	2	0	6	6	3.5	2.7		
b. Astrocytoma	0	7	7	5	0	19	19	10.7	8.3	1.6	1.2	0	5	4	3	4	12	16	7.1	7.1		
c. CNS embryonal	1	6	4	2	3	13	16	7.6	7.0	1.9	2.0	0	4	1	2	1	7	8	4.2	3.7		
d. Other gliomas	0	5	0	3	0	8	8	4.6	3.6	1.6	1.1	0	2	3	0	2	5	7	3.1	3.2		
e. Other specified	0	1	0	0	0	1	1	0.6	0.5	-	-	0	0	0	0	0	0	0	-	-		
f. Unspecified CNS	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.7	0.5		
IV NEUROBLASTOMA	8	5	2	0	0	15	15	9.3	7.2	0.9	0.9	8	6	2	0	0	16	16	10.4	8.1		
a. (Ganglio)neuroblastoma	8	5	2	0	0	15	15	9.3	7.2	0.9	0.9	8	6	2	0	0	16	16	10.4	8.1		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	2	6	1	0	0	9	9	5.6	4.3	1.0	1.0	4	5	0	0	0	9	9	6.0	4.6		
VI RENAL TUMOURS	0	2	1	1	1	4	5	2.3	2.2	0.6	0.6	1	5	0	1	1	7	8	4.5	3.9		
a. Nephroblastoma	0	2	1	1	0	4	4	2.3	1.8	0.6	0.6	1	5	0	1	0	7	7	4.5	3.5		
b. Renal carcinoma	0	0	0	0	1	0	1	-	0.4	-	1.0	0	0	0	0	1	0	1	-	0.4		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	5	2	2	3	10	13	5.8	5.7	2.5	2.6	1	2	1	0	1	4	5	2.6	2.4		
a. Hepatoblastoma	1	5	2	0	1	8	9	4.9	4.2	2.7	3.0	0	2	1	0	0	3	3	1.9	1.5		
b. Hepatic carcinoma	0	0	0	2	2	2	4	1.0	1.5	2.0	2.0	1	0	0	0	1	1	2	0.7	0.9		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	2	1	9	11	12	23	6.1	8.9	1.1	1.4	0	0	5	6	5	11	16	5.9	6.6		
a. Osteosarcoma	0	0	1	5	10	6	16	2.9	6.1	0.8	1.8	0	0	5	3	1	8	9	4.4	3.8		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.5	0.8		
c. Ewing & related	0	2	0	4	1	6	7	3.2	2.8	3.0	1.4	0	0	0	2	3	2	5	1.0	2.0		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	2	2	7	4	8	15	23	8.3	9.5	2.5	2.1	0	2	2	2	5	6	11	3.5	4.7		
a. Rhabdomyosarcoma	2	1	5	0	2	8	10	4.6	4.4	2.7	2.5	0	2	0	1	1	3	4	1.8	1.8		
b. Fibrosarcoma	0	0	1	0	1	1	2	0.6	0.8	-	2.0	0	0	0	0	1	0	1	-	0.4		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	1	1	4	5	6	11	3.1	4.3	3.0	2.8	0	0	2	0	2	4	1.2	1.7			
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.5	0.8		
X GERM CELL TUMOURS	5	4	2	7	17	18	35	10.1	14.3	1.1	1.2	4	0	3	9	13	16	29	8.9	12.1		
a. CNS germ cell	0	0	2	6	8	8	16	4.0	6.1	8.0	16.0	0	0	0	1	0	1	1	0.5	0.4		
b. Other extragonadal	2	0	0	1	1	3	4	1.7	1.7	0.8	0.8	4	0	0	0	1	4	5	2.6	2.5		
c. Gonadal germ cell	3	4	0	0	8	7	15	4.4	6.5	0.7	0.7	0	0	3	7	11	10	21	5.3	8.5		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.5	0.8		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	0	0	5	10	5	15	2.4	5.7	0.4	0.3	0	1	2	10	43	13	56	6.9	22.6		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	0	2	0	2	-	0.8	0.0	0.0	0	0	0	9	33	9	42	4.6	16.8		
c. Nasopharyngeal	0	0	0	0	2	0	2	-	0.8	-	1.0	0	0	0	2	0	0	2	-	0.8		
d. Melanoma	0	0	0	2	2	2	4	1.0	1.5	0.7	1.0	0	1	1	1	1	3	4	1.7	1.8		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	3	4	3	7	1.4	2.6	3.0	0.9	0	0	1	0	7	1	8	0.6	3.3		
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.6	0.4		
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.6	0.4		
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	26	122	58	69	99	275	374	158.5	160.5	1.4	1.3	24	63	56	49	104	192	296	114.7	130.6		

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	Age group	Males	Females
Person-years	0	122 583	115 166
	1-4	490 687	469 400
	5-9	585 766	560 015
	10-14	605 251	572 524
	15-19	591 296	561 374
Total	0-14	1 804 287	1 717 105
	0-19	2 395 583	2 278 479
Average annual population	0-14	90 214	85 855
	0-19	119 779	113 924

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