

USA, California, San José, 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	5	67	24	11	20	107	127	35.1	100.0	29.3	100.0	30.0	100.1	32.1	15.7	30.2	48.2	44.2	669	820	100.0	0.0
a. Lymphoid	3	56	18	6	13	83	96	27.2	77.6	22.1	75.6	18.0	83.6	24.1	8.5	19.6	37.6	33.5	516	614	100.0	0.0
b. Acute myeloid	1	7	5	4	5	17	22	5.6	15.9	5.1	17.3	6.0	10.5	6.7	5.7	7.6	7.5	7.5	110	148	100.0	0.0
c. CMD	0	0	1	1	1	2	3	0.7	1.9	0.7	2.4	-	-	1.3	1.4	1.5	0.8	1.0	14	21	100.0	0.0
d. MDS & other	1	3	0	0	0	4	4	1.3	3.7	0.9	3.1	6.0	4.5	-	-	-	1.9	1.4	24	24	100.0	0.0
e. Unspecified	0	1	0	0	1	1	2	0.3	0.9	0.5	1.6	-	1.5	-	-	1.5	0.5	0.7	6	14	100.0	0.0
II LYMPHOMA & RELATED	2	6	16	14	26	38	64	12.5	100.0	14.7	100.0	12.0	9.0	21.4	19.9	39.3	16.4	21.5	254	451	100.0	0.0
a. Hodgkin	0	0	3	8	14	11	25	3.6	28.9	5.8	39.1	-	-	4.0	11.4	21.2	4.6	8.3	77	183	100.0	0.0
b. Non-Hodgkin except BL	0	3	8	4	9	15	24	4.9	39.5	5.5	37.5	-	4.5	10.7	5.7	13.6	6.5	8.1	100	168	100.0	0.0
c. Burkitt (BL)	0	2	3	2	0	7	7	2.3	18.4	1.6	10.9	-	3.0	4.0	2.8	-	3.0	2.4	46	46	100.0	0.0
d. Lymphoreticular	2	1	2	0	1	5	6	1.6	13.2	1.4	9.4	12.0	1.5	2.7	-	1.5	2.3	2.1	31	39	100.0	0.0
e. Unspecified	0	0	0	0	2	0	2	-	-	0.5	3.1	-	-	-	-	3.0	-	0.7	-	15	100.0	0.0
III CNS NEOPLASMS	2	20	18	8	10	48	58	15.7	100.0	13.4	100.0	12.0	29.9	24.1	11.4	15.1	21.3	19.9	309	384	81.0	0.0
a. Ependymoma	0	2	1	0	1	3	4	1.0	6.3	0.9	6.9	-	3.0	1.3	-	1.5	1.4	1.4	19	26	100.0	0.0
b. Astrocytoma	1	8	8	4	4	21	25	6.9	43.8	5.8	43.1	6.0	11.9	10.7	5.7	6.0	9.3	8.5	136	166	92.0	0.0
c. CNS embryonal	1	6	2	3	3	12	15	3.9	25.0	3.5	25.9	6.0	9.0	2.7	4.3	4.5	5.3	5.2	77	99	100.0	0.0
d. Other gliomas	0	0	7	1	2	8	10	2.6	16.7	2.3	17.2	-	-	9.4	1.4	3.0	3.4	3.3	54	69	10.0	0.0
e. Other specified	0	2	0	0	0	2	2	0.7	4.2	0.5	3.4	-	3.0	-	-	-	0.9	0.7	12	12	100.0	0.0
f. Unspecified CNS	0	2	0	0	0	2	2	0.7	4.2	0.5	3.4	-	3.0	-	-	-	0.9	0.7	12	12	100.0	0.0
IV NEUROBLASTOMA	11	9	3	0	1	23	24	7.5	100.0	5.5	100.0	65.9	13.4	4.0	-	1.5	10.6	8.5	140	147	100.0	0.0
a. (Ganglio)neuroblastoma	11	9	3	0	0	23	23	7.5	100.0	5.3	95.8	65.9	13.4	4.0	-	-	10.6	8.2	140	140	100.0	0.0
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.2	4.2	-	-	-	-	1.5	-	0.3	-	8	100.0	0.0
V RETINOBLASTOMA	8	3	2	0	0	13	13	4.3	100.0	3.0	100.0	48.0	4.5	2.7	-	-	6.0	4.6	79	79	84.6	0.0
VI RENAL TUMOURS	0	9	2	0	2	11	13	3.6	100.0	3.0	100.0	-	13.4	2.7	-	3.0	5.0	4.6	67	82	100.0	0.0
a. Nephroblastoma	0	9	1	0	1	10	11	3.3	90.9	2.5	84.6	-	13.4	1.3	-	1.5	4.6	3.9	60	68	100.0	0.0
b. Renal carcinoma	0	0	1	0	1	1	2	0.3	9.1	0.5	15.4	-	-	1.3	-	1.5	0.4	0.7	7	14	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	1	4	0	0	0	5	5	1.6	100.0	1.2	100.0	6.0	6.0	-	-	-	2.3	1.8	30	30	100.0	0.0
a. Hepatoblastoma	1	4	0	0	0	5	5	1.6	100.0	1.2	100.0	6.0	6.0	-	-	-	2.3	1.8	30	30	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	0	2	6	5	8	13	2.6	100.0	3.0	100.0	-	-	2.7	8.5	7.6	3.3	4.3	56	94	100.0	0.0
a. Osteosarcoma	0	0	1	6	4	7	11	2.3	87.5	2.5	84.6	-	-	1.3	8.5	6.0	2.9	3.6	49	80	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	0	1	0	1	1	2	0.3	12.5	0.5	15.4	-	-	1.3	-	1.5	0.4	0.7	7	14	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	3	6	2	7	10	18	28	5.9	100.0	6.5	100.0	18.0	9.0	2.7	10.0	15.1	7.9	9.5	117	193	100.0	0.0
a. Rhabdomyosarcoma	1	5	1	3	1	10	11	3.3	55.6	2.5	39.3	6.0	7.5	1.3	4.3	1.5	4.4	3.8	64	71	100.0	0.0
b. Fibrosarcoma	1	1	0	0	1	2	3	0.7	11.1	0.7	10.7	6.0	1.5	-	-	1.5	0.9	1.1	12	20	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	0	0	3	4	3	7	1.0	16.7	1.6	25.0	-	-	-	4.3	6.0	1.2	2.3	21	52	100.0	0.0
e. Unspecified	1	0	1	1	4	3	7	1.0	16.7	1.6	25.0	6.0	-	1.3	1.4	6.0	1.3	2.4	20	50	100.0	0.0
X GERM CELL TUMOURS	2	4	6	6	21	18	39	5.9	100.0	9.0	100.0	12.0	6.0	8.0	8.5	31.7	7.8	13.2	119	277	94.9	0.0
a. CNS germ cell	1	0	2	4	8	7	15	2.3	38.9	3.5	38.5	6.0	-	2.7	5.7	12.1	3.0	5.0	48	108	86.7	0.0
b. Other extragonadal	0	1	0	0	4	1	5	0.3	5.6	1.2	12.8	-	1.5	-	-	6.0	0.5	1.7	6	36	100.0	0.0
c. Gonadal germ cell	1	3	4	1	8	9	17	3.0	50.0	3.9	43.6	6.0	4.5	5.4	1.4	12.1	4.0	5.8	58	118	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	1	1	2	0.3	5.6	0.5	5.1	-	-	-	1.4	1.5	0.4	0.7	7	15	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	1	2	2	11	33	16	49	5.2	100.0	11.3	100.0	6.0	3.0	2.7	15.7	49.9	6.8	16.5	110	359	95.9	0.0
a. Adrenocortical	0	0	0	0	1	0	1	-	-	0.2	2.0	-	-	-	-	1.5	-	0.3	-	8	0.0	0.0
b. Thyroid	0	0	0	4	23	4	27	1.3	25.0	6.2	55.1	-	-	-	5.7	34.8	1.7	9.1	28	202	100.0	0.0
c. Nasopharyngeal	0	0	0	1	0	1	1	0.3	6.3	0.2	2.0	-	-	-	1.4	-	0.4	0.3	7	7	100.0	0.0
d. Melanoma	0	2	1	3	3	6	9	2.0	37.5	2.1	18.4	-	3.0	1.3	4.3	4.5	2.6	3.0	40	63	88.9	0.0
e. Skin carcinoma	1	0	0	0	0	1	1	0.3	6.3	0.2	2.0	6.0	-	-	-	-	0.5	0.4	6	6	100.0	0.0
f. Other & unspecified	0	0	1	3	6	4	10	1.3	25.0	2.3	20.4	-	-	1.3	4.3	9.1	1.7	3.3	28	73	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	0	0	1	0	1	-	-	0.2	100.0	-	-	-	-	1.5	-	0.3	-	8	0.0	0.0
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	0	0	0	0	1	0	1	-	-	0.2	100.0	-	-	-	-	1.5	-	0.3	-	8	0.0	0.0
TOTAL	35	130	77	63	129	305	434	100.0	100.0	100.0	100.0	209.8	194.1	103.0	89.7	194.9	135.6	149.0	1950	2924	95.9	0.0

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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	3	33	12	6	12	54	66	47.3	44.5	1.0	1.1	2	34	12	5	8	53	61	49.2	43.8		
a. Lymphoid	2	26	11	5	9	44	53	38.5	35.7	1.1	1.2	1	30	7	1	4	39	43	36.6	31.2		
b. Acute myeloid	1	4	1	1	3	7	10	6.1	6.7	0.7	0.8	0	3	4	3	2	10	12	8.9	8.3		
c. CMD	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	1	1	2	3	1.7	2.0		
d. MDS & other	0	2	0	0	0	2	2	1.8	1.4	1.0	1.0	1	1	0	0	0	2	2	1.9	1.5		
e. Unspecified	0	1	0	0	0	1	1	0.9	0.7	-	1.0	0	0	0	0	1	0	1	-	0.7		
II LYMPHOMA & RELATED	0	4	12	8	14	24	38	20.2	24.8	1.7	1.5	2	2	4	6	12	14	26	12.4	18.1		
a. Hodgkin	0	0	3	4	9	7	16	5.8	10.3	1.8	1.8	0	0	0	4	5	4	9	3.4	6.2		
b. Non-Hodgkin except BL	0	2	4	3	4	9	13	7.6	8.5	1.5	1.2	0	1	4	1	5	6	11	5.3	7.7		
c. Burkitt (BL)	0	1	3	1	0	5	5	4.2	3.3	2.5	2.5	0	1	0	1	0	2	2	1.8	1.4		
d. Lymphoreticular	0	1	2	0	1	3	4	2.6	2.7	1.5	2.0	2	0	0	0	0	2	2	1.9	1.5		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	1.4		
III CNS NEOPLASMS	1	11	8	5	6	25	31	21.6	20.6	1.1	1.1	1	9	10	3	4	23	27	20.9	19.0		
a. Ependymoma	0	1	0	0	1	1	2	0.9	1.4	0.5	1.0	0	1	1	0	0	2	2	1.8	1.4		
b. Astrocytoma	1	4	3	3	2	11	13	9.4	8.6	1.1	1.1	0	4	5	1	2	10	12	9.1	8.5		
c. CNS embryonal	0	4	2	2	1	8	9	6.9	6.0	2.0	1.5	1	2	0	1	2	4	6	3.7	4.3		
d. Other gliomas	0	0	3	0	2	3	5	2.5	3.3	0.6	1.0	0	0	4	1	0	5	5	4.4	3.4		
e. Other specified	0	1	0	0	0	1	1	0.9	0.7	1.0	1.0	0	1	0	0	0	1	1	1.0	0.7		
f. Unspecified CNS	0	1	0	0	0	1	1	0.9	0.7	1.0	1.0	0	1	0	0	0	1	1	1.0	0.7		
IV NEUROBLASTOMA	6	4	1	0	1	11	12	9.8	8.3	0.9	1.0	5	5	2	0	0	12	12	11.3	8.8		
a. (Ganglio)neuroblastoma	6	4	1	0	0	11	11	9.8	7.6	0.9	0.9	5	5	2	0	0	12	12	11.3	8.8		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	3	3	1	0	0	7	7	6.2	4.8	1.2	1.2	5	0	1	0	0	6	6	5.7	4.4		
VI RENAL TUMOURS	0	6	0	2	6	8	8	5.4	5.5	1.2	1.6	0	3	2	0	0	5	5	4.6	3.6		
a. Nephroblastoma	0	6	0	0	1	6	7	5.4	4.8	1.5	1.8	0	3	1	0	0	4	4	3.7	2.9		
b. Renal carcinoma	0	0	0	0	1	0	1	-	0.7	0.0	1.0	0	0	1	0	0	1	1	0.9	0.7		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	2	0	0	0	3	3	2.7	2.1	1.5	1.5	0	2	0	0	0	2	2	1.9	1.5		
a. Hepatoblastoma	1	2	0	0	0	3	3	2.7	2.1	1.5	1.5	0	2	0	0	0	2	2	1.9	1.5		
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	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	0	0	1	3	1	4	0.8	2.6	0.1	0.4	0	0	2	5	2	7	9	6.0	6.1		
a. Osteosarcoma	0	0	0	1	2	1	3	0.8	1.9	0.2	0.4	0	0	1	5	2	6	8	5.1	5.4		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	0	0	1	0	1	-	0.7	0.0	1.0	0	0	1	0	0	1	1	0.9	0.7		
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	4	2	2	5	10	15	8.7	10.0	1.3	1.2	1	2	0	5	5	8	13	7.1	9.0		
a. Rhabdomyosarcoma	1	3	1	1	0	6	6	5.2	4.1	1.5	1.2	0	2	0	2	1	4	5	3.6	3.5		
b. Fibrosarcoma	0	1	0	0	1	1	2	0.9	1.4	1.0	2.0	1	0	0	0	0	1	1	1.0	0.7		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	1	2	1	3	0.8	1.9	0.5	0.8	0	0	0	2	2	2	4	1.7	2.7		
e. Unspecified	1	0	1	0	2	2	4	1.7	2.7	2.0	1.3	0	0	0	1	2	1	3	0.8	2.1		
X GERM CELL TUMOURS	1	3	1	3	16	8	24	6.9	15.8	0.8	1.6	1	1	5	3	5	10	15	8.9	10.4		
a. CNS germ cell	0	0	1	3	8	4	12	3.3	7.8	1.3	4.0	1	0	1	1	0	3	3	2.7	2.1		
b. Other extragonadal	0	1	0	0	4	1	5	0.9	3.3	-	-	0	0	0	0	0	0	0	-	-		
c. Gonadal germ cell	1	2	0	0	4	3	7	2.7	4.7	0.5	0.7	0	1	4	1	4	6	10	5.3	7.0		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.8	1.4		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	1	2	4	9	7	16	5.8	10.4	0.8	0.5	1	1	0	7	24	9	33	7.8	23.1		
a. Adrenocortical	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	0	5	0	5	-	3.3	0.0	0.2	0	0	0	4	18	4	22	3.4	15.4		
c. Nasopharyngeal	0	0	0	1	0	1	1	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	1	1	3	0	5	5	4.2	3.2	5.0	1.3	0	1	0	0	3	1	4	1.0	2.9		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	1.0	0.7		
f. Other & unspecified	0	0	1	0	3	1	4	0.8	2.6	0.3	0.7	0	0	0	3	3	3	6	2.5	4.1		
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
TOTAL	17	71	39	29	68	156	224	135.3	149.4	1.0	1.1	18	59	38	34	61	149	210	135.9	148.5		

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	Age group	Males	Females
Person-years	0	86 152	80 673
	1-4	344 974	324 638
	5-9	382 078	365 315
	10-14	360 271	342 326
	15-19	343 896	317 852
Total	0-14	1 173 475	1 112 952
	0-19	1 517 371	1 430 804
Average annual population	0-14	58 674	55 648
	0-19	75 869	71 540

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