

USA, California, San Francisco, Black (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	0-19			0-14	0-19	
I LEUKAEMIA	5	29	12	14	11	60	71	25.8	100.0	21.8	100.0	43.2	58.2	17.6	20.8	17.2	33.2	29.6	469	555	98.6	0.0	
a. Lymphoid	2	21	5	7	4	35	39	15.0	58.3	12.0	54.9	17.3	42.2	7.3	10.4	6.2	19.9	16.8	276	307	100.0	0.0	
b. Acute myeloid	3	7	6	5	5	21	26	9.0	35.0	8.0	36.6	25.9	14.1	8.8	7.4	7.8	11.3	10.5	163	202	100.0	0.0	
c. CMD	0	0	1	2	2	3	5	1.3	5.0	1.5	7.0	-	-	1.5	3.0	3.1	1.3	1.7	22	38	80.0	0.0	
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	1	0	0	0	1	1	0.4	1.7	0.3	1.4	-	2.0	-	-	-	0.6	0.5	8	8	100.0	0.0	
II LYMPHOMA & RELATED	0	4	12	16	26	32	58	13.7	100.0	17.8	100.0	-	8.0	17.6	23.7	40.6	15.1	20.8	239	442	98.3	0.0	
a. Hodgkin	0	0	4	6	17	10	27	4.3	31.3	8.3	46.6	-	-	5.9	8.9	26.5	4.5	9.4	74	207	100.0	0.0	
b. Non-Hodgkin except BL	0	2	5	9	8	16	24	6.9	50.0	7.4	41.4	-	4.0	7.3	13.3	12.5	7.5	8.6	120	182	95.8	0.0	
c. Burkitt (BL)	0	0	2	0	0	2	2	0.9	6.3	0.6	3.4	-	-	2.9	-	-	0.9	0.7	15	15	100.0	0.0	
d. Lymphoreticular	0	2	1	0	1	3	4	1.3	9.4	1.2	6.9	-	4.0	1.5	-	1.6	1.7	1.7	24	31	100.0	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.4	3.1	0.3	1.7	-	-	-	1.5	-	0.4	0.3	7	7	100.0	0.0	
III CNS NEOPLASMS	5	21	13	12	10	51	61	21.9	100.0	18.8	100.0	43.2	42.2	19.1	17.8	15.6	27.7	25.0	396	474	78.7	0.0	
a. Ependymoma	1	2	1	3	0	7	7	3.0	13.7	2.2	11.5	8.6	4.0	1.5	4.4	-	3.7	2.8	54	54	100.0	0.0	
b. Astrocytoma	3	12	2	5	4	22	26	9.4	43.1	8.0	42.6	25.9	24.1	2.9	7.4	6.2	12.6	11.1	174	205	96.2	0.0	
c. CNS embryonal	0	2	3	1	1	6	7	2.6	11.8	2.2	11.5	-	4.0	4.4	1.5	1.6	3.1	2.8	46	54	100.0	0.0	
d. Other gliomas	0	4	7	2	4	13	17	5.6	25.5	5.2	27.9	-	8.0	10.3	3.0	6.2	6.7	6.6	99	130	35.3	0.0	
e. Other specified	0	0	0	1	1	1	2	0.4	2.0	0.6	3.3	-	-	-	1.5	1.6	0.4	0.7	7	15	100.0	0.0	
f. Unspecified CNS	1	1	0	0	0	2	2	0.9	3.9	0.6	3.3	8.6	2.0	-	-	-	1.3	1.0	16	16	50.0	0.0	
IV NEUROBLASTOMA	9	9	4	1	0	23	23	9.9	100.0	7.1	100.0	77.7	18.1	5.9	1.5	-	13.7	10.6	183	183	100.0	0.0	
a. (Ganglio)neuroblastoma	9	9	4	1	0	23	23	9.9	100.0	7.1	100.0	77.7	18.1	5.9	1.5	-	13.7	10.6	183	183	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	0	3	0	0	0	3	3	1.3	100.0	0.9	100.0	-	6.0	-	-	-	1.9	1.5	24	24	66.7	0.0	
VI RENAL TUMOURS	2	10	8	2	2	22	24	9.4	100.0	7.4	100.0	17.3	20.1	11.8	3.0	3.1	12.2	10.2	171	187	100.0	0.0	
a. Nephroblastoma	2	10	8	0	0	20	20	8.6	90.9	6.2	83.3	17.3	20.1	11.8	-	-	11.4	8.8	157	157	100.0	0.0	
b. Renal carcinoma	0	0	0	2	2	2	4	0.9	9.1	1.2	16.7	-	-	-	3.0	3.1	0.9	1.4	15	30	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	1	0	0	0	2	1	3	0.4	100.0	0.9	100.0	8.6	-	-	-	3.1	0.6	1.2	8	24	100.0	0.0	
a. Hepatoblastoma	1	0	0	0	0	1	1	0.4	100.0	0.3	33.3	8.6	-	-	-	-	0.6	0.5	8	8	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	-	0.6	66.7	-	-	-	3.1	-	-	0.7	-	16	16	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	0	3	5	6	8	14	3.4	100.0	4.3	100.0	-	-	4.4	7.4	9.4	3.6	4.9	59	106	100.0	0.0	
a. Osteosarcoma	0	0	3	3	6	6	12	2.6	75.0	3.7	85.7	-	-	4.4	4.4	9.4	2.7	4.2	44	91	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Ewing & related	0	0	0	1	0	1	1	0.4	12.5	0.3	7.1	-	-	-	1.5	-	0.4	0.3	7	7	100.0	0.0	
d. Other specified	0	0	0	1	0	1	1	0.4	12.5	0.3	7.1	-	-	-	1.5	-	0.4	0.3	7	7	100.0	0.0	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IX SOFT TISSUE SARCOMA	1	4	4	6	9	15	24	6.4	100.0	7.4	100.0	8.6	8.0	5.9	8.9	14.0	7.6	9.1	115	185	100.0	0.0	
a. Rhabdomyosarcoma	1	3	2	3	1	9	10	3.9	60.0	3.1	41.7	8.6	6.0	2.9	4.4	1.6	4.8	4.0	70	77	100.0	0.0	
b. Fibrosarcoma	0	0	0	1	1	1	2	0.4	6.7	0.6	8.3	-	-	-	1.5	1.6	0.4	0.7	7	15	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	1	1	1	6	3	9	1.3	20.0	2.8	37.5	-	2.0	1.5	1.5	9.4	1.5	3.3	23	70	100.0	0.0	
e. Unspecified	0	0	1	1	1	2	3	0.9	13.3	0.9	12.5	-	-	1.5	1.5	1.6	0.9	1.1	15	23	100.0	0.0	
X GERM CELL TUMOURS	2	0	0	6	13	8	21	3.4	100.0	6.5	100.0	17.3	-	-	8.9	20.3	3.8	7.5	61	162	90.5	0.0	
a. CNS germ cell	0	0	0	2	3	2	5	0.9	25.0	1.5	23.8	-	-	-	3.0	4.7	0.9	1.7	15	38	80.0	0.0	
b. Other extragonadal	2	0	0	1	2	3	5	1.3	37.5	1.5	23.8	17.3	-	-	1.5	3.1	1.7	2.0	24	39	80.0	0.0	
c. Gonadal germ cell	0	0	0	3	7	3	10	1.3	37.5	3.1	47.6	-	-	-	4.4	10.9	1.3	3.5	22	77	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.3	4.8	-	-	-	-	1.6	-	0.4	-	8	8	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XI CARCINOMA & MELANOMA	1	1	1	7	13	10	23	4.3	100.0	7.1	100.0	8.6	2.0	1.5	10.4	20.3	4.8	8.2	76	177	100.0	0.0	
a. Adrenocortical	0	0	1	0	0	1	1	0.4	10.0	0.3	4.3	-	-	1.5	-	-	0.5	0.4	7	7	100.0	0.0	
b. Thyroid	0	0	0	2	6	2	8	0.9	20.0	2.5	34.8	-	-	-	3.0	9.4	0.9	2.8	15	62	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	3	1	4	0.4	10.0	1.2	17.4	-	-	-	1.5	4.7	0.4	1.4	7	31	100.0	0.0	
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	1	1	0	4	4	6	10	2.6	60.0	3.1	43.5	8.6	2.0	-	5.9	6.2	3.0	3.7	46	77	100.0	0.0	
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	26	81	57	69	92	233	325	100.0	100.0	100.0	100.0	224.6	162.7	83.8	102.3	143.6	124.2	128.6	1802	2520	94.5	0.0	

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	Males										M/F ratio		Females									
			Number of cases in age groups					ASR per million						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	0-14	0-19	0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19		
I LEUKAEMIA	3	18	5	7	4	33	37	36.7	31.2	1.2	1.1	2	11	7	7	7	27	34	29.5	27.9		
a. Lymphoid	1	15	1	5	3	22	25	25.0	21.5	1.7	1.8	1	6	4	2	1	13	14	14.6	12.0		
b. Acute myeloid	2	3	4	2	1	11	12	11.6	9.7	1.1	0.9	1	4	2	3	4	10	14	11.0	11.3		
c. CMD	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	2	2	3	5	2.7	3.5		
d. MDS & other	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	1	0	0	0	1	1	1.3	1.0		
II LYMPHOMA & RELATED	0	2	9	8	9	19	28	17.7	19.9	1.5	0.9	0	2	3	8	17	13	30	12.5	21.7		
a. Hodgkin	0	0	4	2	4	6	10	5.4	7.0	1.5	0.6	0	0	0	4	13	4	17	3.5	12.0		
b. Non-Hodgkin except BL	0	1	2	6	5	9	14	8.2	9.8	1.3	1.4	0	1	3	3	3	7	10	6.8	7.4		
c. Burkitt (BL)	0	0	2	0	0	2	2	1.9	1.4	-	-	0	0	0	0	0	0	0	-	-		
d. Lymphoreticular	0	1	1	0	0	2	2	2.2	1.7	2.0	1.0	0	1	0	0	1	1	2	1.3	1.7		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.9	0.7		
III CNS NEOPLASMS	2	12	9	6	7	29	36	30.9	28.8	1.3	1.4	3	9	4	6	3	22	25	24.5	21.1		
a. Ependymoma	0	2	0	2	0	4	4	4.2	3.2	1.3	1.3	1	0	1	1	0	3	3	3.1	2.4		
b. Astrocytoma	2	9	2	2	3	15	18	17.2	15.4	2.1	2.3	1	3	0	3	1	7	8	7.8	6.7		
c. CNS embryonal	0	0	2	0	1	2	3	1.9	2.1	0.5	0.8	0	2	1	1	0	4	4	4.4	3.4		
d. Other gliomas	0	1	5	1	3	7	10	6.8	7.3	1.2	1.4	0	3	2	1	1	6	7	6.6	5.9		
e. Other specified	0	0	0	1	0	1	1	0.8	0.7	-	1.0	0	0	0	0	1	0	1	-	0.7		
f. Unspecified CNS	0	0	0	0	0	0	0	-	-	0.0	0.0	1	1	0	0	0	2	2	2.6	2.0		
IV NEUROBLASTOMA	6	3	1	0	0	10	10	12.1	9.4	0.8	0.8	3	6	3	1	0	13	13	15.3	11.9		
a. (Ganglio)neuroblastoma	6	3	1	0	0	10	10	12.1	9.4	0.8	0.8	3	6	3	1	0	13	13	15.3	11.9		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	0	2	0	0	0	2	2	2.5	1.9	2.0	2.0	0	1	0	0	0	1	1	1.3	1.0		
VI RENAL TUMOURS	1	4	1	1	0	7	7	8.0	6.2	0.5	0.4	1	6	7	1	2	15	17	16.6	14.3		
a. Nephroblastoma	1	4	1	0	0	6	6	7.1	5.5	0.4	0.4	1	6	7	0	0	14	14	15.7	12.2		
b. Renal carcinoma	0	0	0	1	0	1	1	0.8	0.7	1.0	0.3	0	0	0	1	2	1	3	0.9	2.1		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	0	0	0	1	1	2	1.2	1.7	-	2.0	0	0	0	0	1	0	1	-	0.7		
a. Hepatoblastoma	1	0	0	0	0	1	1	1.2	1.0	-	-	0	0	0	0	0	0	0	-	-		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.7	-	1.0	0	0	0	0	1	0	1	-	0.7		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	0	2	2	5	4	9	3.6	6.2	1.0	1.8	0	0	1	3	1	4	5	3.6	3.5		
a. Osteosarcoma	0	0	2	1	5	3	8	2.7	5.6	1.0	2.0	0	0	1	2	1	3	4	2.7	2.8		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.9	0.7		
d. Other specified	0	0	0	1	0	1	1	0.8	0.7	-	-	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	1	3	2	2	5	8	13	8.5	10.1	1.1	1.2	0	1	2	4	4	7	11	6.7	8.0		
a. Rhabdomyosarcoma	1	3	1	1	1	6	7	6.8	5.9	2.0	2.3	0	0	1	2	0	3	3	2.7	2.1		
b. Fibrosarcoma	0	0	0	1	0	1	1	0.8	0.7	-	1.0	0	0	0	0	1	0	1	-	0.7		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	1	0	3	1	4	0.9	2.8	0.5	0.8	0	1	0	1	3	2	5	2.2	3.8		
e. Unspecified	0	0	0	0	1	0	1	-	0.7	0.0	0.5	0	0	1	1	0	2	2	1.8	1.4		
X GERM CELL TUMOURS	0	0	0	2	7	2	9	1.7	6.2	0.3	0.8	2	0	0	4	6	6	12	6.1	9.0		
a. CNS germ cell	0	0	0	1	3	1	4	0.8	2.7	1.0	4.0	0	0	0	1	0	1	1	0.9	0.7		
b. Other extragonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	2	0	0	1	2	3	5	3.4	4.1		
c. Gonadal germ cell	0	0	0	1	4	1	5	0.8	3.4	0.5	1.0	0	0	0	2	3	2	5	1.8	3.5		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	1	0	0	5	2	6	8	5.5	5.6	1.5	0.5	0	1	1	2	11	4	15	4.0	10.9		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	1.0	0.7		
b. Thyroid	0	0	0	2	0	2	2	1.7	1.3	-	0.3	0	0	0	0	6	0	6	-	4.3		
c. Nasopharyngeal	0	0	0	1	0	1	1	0.8	0.7	-	0.3	0	0	0	0	3	0	3	-	2.1		
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	1	0	0	2	2	3	5	2.9	3.7	1.0	1.0	0	1	0	2	2	3	5	3.0	3.8		
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
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	0	-	-		
TOTAL	15	44	29	33	40	121	161	128.3	127.2	1.1	1.0	11	37	28	36	52	112	164	120.0	130.0		

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	Age group	Males	Females
Person-years	0	58 609	57 163
	1-4	252 886	244 983
	5-9	345 078	335 366
	10-14	343 486	330 722
	15-19	324 163	316 557
Total	0-14	1 000 059	968 234
	0-19	1 324 222	1 284 791
Average annual population	0-14	50 003	48 412
	0-19	66 211	64 240

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