

## USA, Hawaii, Hawaiian (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
<b>I LEUKAEMIA</b>	6	34	22	18	10	80	90	35.4	100.0	28.4	100.0	52.9	76.1	41.2	34.0	20.0	50.8	43.9	733	833	97.8	1.1	
a. Lymphoid	3	27	21	8	3	59	62	26.1	73.8	19.6	68.9	26.4	60.4	39.4	15.1	6.0	37.8	30.6	540	570	98.4	1.6	
b. Acute myeloid	3	6	0	8	7	17	24	7.5	21.3	7.6	26.7	26.4	13.4	-	15.1	14.0	10.6	11.4	156	226	95.8	0.0	
c. CMD	0	0	1	2	0	3	3	1.3	3.8	0.9	3.3	-	-	1.9	3.8	-	1.7	1.3	28	28	100.0	0.0	
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	1	0	0	0	1	1	0.4	1.3	0.3	1.1	-	2.2	-	-	-	0.7	0.5	9	9	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	0	4	10	13	13	27	40	11.9	100.0	12.6	100.0	-	9.0	18.7	24.5	26.0	15.9	18.2	252	382	95.0	2.5	
a. Hodgkin	0	0	3	3	8	6	14	2.7	22.2	4.4	35.0	-	-	5.6	5.7	16.0	3.5	6.3	56	136	100.0	0.0	
b. Non-Hodgkin except BL	0	2	7	8	5	17	22	7.5	63.0	6.9	55.0	-	4.5	13.1	15.1	10.0	10.0	10.0	159	209	90.9	4.5	
c. Burkitt (BL)	0	1	0	1	0	2	2	0.9	7.4	0.6	5.0	-	2.2	-	1.9	-	1.2	1.0	18	18	100.0	0.0	
d. Lymphoreticular	0	1	0	1	0	2	2	0.9	7.4	0.6	5.0	-	2.2	-	1.9	-	1.2	1.0	18	18	100.0	0.0	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>III CNS NEOPLASMS</b>	5	12	18	14	9	49	58	21.7	100.0	18.3	100.0	44.1	26.9	33.7	26.4	18.0	30.3	27.5	452	543	89.7	0.0	
a. Ependymoma	1	1	1	0	2	3	5	1.3	6.1	1.6	8.6	8.8	2.2	1.9	-	4.0	2.0	2.4	27	47	100.0	0.0	
b. Astrocytoma	0	4	11	12	5	27	32	11.9	55.1	10.1	55.2	-	9.0	20.6	22.6	10.0	16.0	14.6	252	302	93.8	0.0	
c. CNS embryonal	2	5	6	1	1	14	15	6.2	28.6	4.7	25.9	17.6	11.2	11.2	1.9	2.0	9.0	7.4	128	138	100.0	0.0	
d. Other gliomas	2	2	0	1	1	5	6	2.2	10.2	1.9	10.3	17.6	4.5	-	1.9	2.0	3.3	3.0	45	55	33.3	0.0	
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Unspecified CNS	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>IV NEUROBLASTOMA</b>	4	8	0	0	2	12	14	5.3	100.0	4.4	100.0	35.3	17.9	-	-	4.0	8.3	7.3	107	127	100.0	0.0	
a. (Ganglio)neuroblastoma	4	8	0	0	1	12	13	5.3	100.0	4.1	92.9	35.3	17.9	-	-	2.0	8.3	6.9	107	117	100.0	0.0	
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.3	7.1	-	-	-	-	2.0	-	0.5	-	10	10	100.0	0.0
<b>V RETINOBLASTOMA</b>	2	6	0	0	0	8	8	3.5	100.0	2.5	100.0	17.6	13.4	-	-	-	5.5	4.3	71	71	87.5	0.0	
<b>VI RENAL TUMOURS</b>	1	0	0	0	1	1	2	0.4	100.0	0.6	100.0	8.8	-	-	-	2.0	0.7	1.0	9	19	100.0	0.0	
a. Nephroblastoma	1	0	0	0	0	1	1	0.4	100.0	0.3	50.0	8.8	-	-	-	-	0.7	0.5	9	9	100.0	0.0	
b. Renal carcinoma	0	0	0	0	1	0	1	-	-	0.3	50.0	-	-	-	-	2.0	-	0.5	-	10	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VII HEPATIC TUMOURS</b>	3	2	0	0	0	5	5	2.2	100.0	1.6	100.0	26.4	4.5	-	-	-	3.5	2.7	45	45	100.0	0.0	
a. Hepatoblastoma	3	2	0	0	0	5	5	2.2	100.0	1.6	100.0	26.4	4.5	-	-	-	3.5	2.7	45	45	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	0	0	9	6	7	15	22	6.6	100.0	6.9	100.0	-	-	16.9	11.3	14.0	8.7	9.9	141	211	100.0	0.0	
a. Osteosarcoma	0	0	5	6	3	11	14	4.9	73.3	4.4	63.6	-	-	9.4	11.3	6.0	6.3	6.2	103	133	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	1	0	1	-	-	0.3	4.5	-	-	-	-	2.0	-	0.5	-	10	10	100.0	0.0
c. Ewing & related	0	0	2	0	3	2	5	0.9	13.3	1.6	22.7	-	-	3.7	-	6.0	1.2	2.3	19	49	100.0	0.0	
d. Other specified	0	0	2	0	0	2	2	0.9	13.3	0.6	9.1	-	-	3.7	-	-	1.2	0.9	19	19	100.0	0.0	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>IX SOFT TISSUE SARCOMA</b>	0	2	3	8	10	13	23	5.8	100.0	7.3	100.0	-	4.5	5.6	15.1	20.0	7.6	10.4	121	222	100.0	0.0	
a. Rhabdomyosarcoma	0	2	1	2	2	5	7	2.2	38.5	2.2	30.4	-	4.5	1.9	3.8	4.0	3.1	3.3	46	66	100.0	0.0	
b. Fibrosarcoma	0	0	1	2	0	3	3	1.3	23.1	0.9	13.0	-	-	1.9	3.8	-	1.7	1.3	28	28	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	0	1	3	5	4	9	1.8	30.8	2.8	39.1	-	-	1.9	5.7	10.0	2.2	4.0	38	88	100.0	0.0	
e. Unspecified	0	0	0	1	3	1	4	0.4	7.7	1.3	17.4	-	-	-	1.9	6.0	0.5	1.8	9	39	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	2	3	1	1	22	7	29	3.1	100.0	9.1	100.0	17.6	6.7	1.9	1.9	44.0	4.6	13.5	63	284	100.0	0.0	
a. CNS germ cell	0	0	1	1	5	2	7	0.9	28.6	2.2	24.1	-	-	1.9	1.9	10.0	1.2	3.1	19	69	100.0	0.0	
b. Other extragonadal	2	2	0	0	1	4	5	1.8	57.1	1.6	17.2	17.6	4.5	-	-	2.0	2.8	2.6	36	46	100.0	0.0	
c. Gonadal germ cell	0	1	0	0	15	1	16	0.4	14.3	5.0	55.2	-	2.2	-	-	30.0	0.7	7.3	9	159	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.3	3.4	-	-	-	-	2.0	-	0.5	-	10	10	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>XI CARCINOMA &amp; MELANOMA</b>	1	1	1	6	17	9	26	4.0	100.0	8.2	100.0	8.8	2.2	1.9	11.3	34.0	5.3	11.7	84	254	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	0	1	3	8	4	12	1.8	44.4	3.8	46.2	-	-	1.9	5.7	16.0	2.2	5.3	38	118	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	2	1	3	0.4	11.1	0.9	11.5	-	-	-	1.9	4.0	0.5	1.3	9	29	100.0	0.0	
d. Melanoma	1	0	0	1	2	2	4	0.9	22.2	1.3	15.4	8.8	-	-	1.9	4.0	1.2	1.9	18	38	100.0	0.0	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	0	1	0	1	5	2	7	0.9	22.2	2.2	26.9	-	2.2	-	1.9	10.0	1.2	3.2	18	68	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL</b>	24	72	64	66	91	226	317	100.0	100.0	100.0	100.0	211.5	161.1	119.9	124.6	182.1	141.2	150.4	2079	2990	96.5	0.6	

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## USA, Hawaii, Hawaiian (1993-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups										0-14	0-19	Number of cases in age groups									
	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
<b>I LEUKAEMIA</b>	4	15	10	14	4	43	47	52.2	43.9	1.2	1.1	2	19	12	4	6	37	43	49.4	43.8		
a. Lymphoid	2	9	9	7	2	27	29	32.8	27.2	0.8	0.9	1	18	12	1	1	32	33	43.1	34.4		
b. Acute myeloid	2	5	0	5	2	12	14	14.7	13.2	2.4	1.4	1	1	0	3	5	5	10	6.2	9.5		
c. CMD	0	0	1	2	0	3	3	3.3	2.6	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	1	0	0	0	1	1	1.3	1.0	-	-	0	0	0	0	0	0	0	-	-		
<b>II LYMPHOMA &amp; RELATED</b>	0	3	7	11	7	21	28	24.0	24.7	3.5	2.3	0	1	3	2	6	6	12	7.4	11.3		
a. Hodgkin	0	0	3	2	3	5	8	5.7	7.0	5.0	1.3	0	0	0	1	5	1	6	1.1	5.5		
b. Non-Hodgkin except BL	0	1	4	7	4	12	16	13.5	14.0	2.4	2.7	0	1	3	1	1	5	6	6.3	5.8		
c. Burkitt (BL)	0	1	0	1	0	2	2	2.4	1.9	-	-	0	0	0	0	0	0	0	-	-		
d. Lymphoreticular	0	1	0	1	0	2	2	2.4	1.9	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>III CNS NEOPLASMS</b>	4	9	12	7	6	32	38	39.0	35.5	1.9	1.9	1	3	6	7	3	17	20	21.0	19.1		
a. Ependymoma	1	0	0	0	1	1	2	1.3	1.9	0.5	0.7	0	1	1	0	1	2	3	2.7	3.0		
b. Astrocytoma	0	3	7	6	3	16	19	18.7	17.1	1.5	1.5	0	1	4	6	2	11	13	13.2	12.1		
c. CNS embryonal	1	4	5	1	1	11	12	13.6	11.5	3.7	4.0	1	1	1	0	0	3	3	4.1	3.2		
d. Other gliomas	2	2	0	0	1	4	5	5.4	5.0	4.0	5.0	0	0	0	1	0	1	1	1.1	0.9		
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Unspecified CNS	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>IV NEUROBLASTOMA</b>	3	4	0	0	2	7	9	9.4	9.0	1.4	1.8	1	4	0	0	0	5	5	7.1	5.5		
a. (Ganglio)neuroblastoma	3	4	0	0	1	7	8	9.4	8.1	1.4	1.6	1	4	0	0	0	5	5	7.1	5.5		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.9	-	-	0	0	0	0	0	0	0	-	-		
<b>V RETINOBLASTOMA</b>	1	3	0	0	0	4	4	5.4	4.2	1.0	1.0	1	3	0	0	0	4	4	5.7	4.4		
<b>VI RENAL TUMOURS</b>	1	0	0	0	0	1	1	1.3	1.0	-	1.0	0	0	0	0	1	0	1	-	0.9		
a. Nephroblastoma	1	0	0	0	0	1	1	1.3	1.0	-	-	0	0	0	0	0	0	0	-	-		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.9		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>VII HEPATIC TUMOURS</b>	3	1	0	0	0	4	4	5.4	4.2	4.0	4.0	0	1	0	0	0	1	1	1.4	1.1		
a. Hepatoblastoma	3	1	0	0	0	4	4	5.4	4.2	4.0	4.0	0	1	0	0	0	1	1	1.4	1.1		
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	-	-		
<b>VIII BONE TUMOURS</b>	0	0	5	4	5	9	14	10.1	12.2	1.5	1.8	0	0	4	2	2	6	8	7.2	7.5		
a. Osteosarcoma	0	0	3	4	3	7	10	7.8	8.7	1.8	2.5	0	0	2	2	0	4	4	4.7	3.7		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.9		
c. Ewing & related	0	0	0	0	2	0	2	-	1.7	0.0	0.7	0	0	2	0	1	2	3	2.5	2.9		
d. Other specified	0	0	2	0	0	2	2	2.4	1.8	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>IX SOFT TISSUE SARCOMA</b>	0	1	2	2	5	5	10	5.8	8.9	0.6	0.8	0	1	1	6	5	8	13	9.4	12.0		
a. Rhabdomyosarcoma	0	1	1	1	1	3	4	3.6	3.6	1.5	1.3	0	1	0	1	1	2	3	2.6	2.9		
b. Fibrosarcoma	0	0	1	0	0	1	1	1.2	0.9	0.5	0.5	0	0	0	2	0	2	2	2.3	1.7		
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	1.1	2.6	0.3	0.5	0	0	1	2	3	3	6	3.5	5.5		
e. Unspecified	0	0	0	0	2	0	2	-	1.7	0.0	1.0	0	0	0	1	1	1	2	1.1	1.8		
<b>X GERM CELL TUMOURS</b>	1	3	1	1	15	6	21	7.6	19.0	6.0	2.6	1	0	0	0	7	1	8	1.4	7.6		
a. CNS germ cell	0	0	1	1	4	2	6	2.2	5.2	-	6.0	0	0	0	0	1	0	1	-	0.9		
b. Other extragonadal	1	2	0	0	1	3	4	4.0	4.0	3.0	4.0	1	0	0	0	0	1	1	1.4	1.1		
c. Gonadal germ cell	0	1	0	0	10	1	11	1.3	9.8	-	2.2	0	0	0	0	5	0	5	-	4.7		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.9		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>XI CARCINOMA &amp; MELANOMA</b>	0	0	0	4	8	4	12	4.3	10.3	0.8	0.9	1	1	1	2	9	5	14	6.3	13.3		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	1	3	1	4	1.1	3.4	0.3	0.5	0	0	1	2	5	3	8	3.5	7.4		
c. Nasopharyngeal	0	0	0	1	2	1	3	1.1	2.6	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	1	1	1	2	1.1	1.7	1.0	1.0	1	0	0	0	1	1	2	1.4	2.0		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	1	2	1	3	1.1	2.6	1.0	0.8	0	1	0	0	3	1	4	1.4	3.9		
<b>XII OTHER &amp; UNSPECIFIED</b>	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	-	-		
<b>TOTAL</b>	17	39	37	43	52	136	188	164.5	172.8	1.5	1.5	7	33	27	23	39	90	129	116.5	126.6		

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## USA, Hawaii, Hawaiian (1993-2012)

	Age group	Males	Females
Person-years	0	58 244	55 225
	1-4	230 534	216 383
	5-9	274 337	259 296
	10-14	272 002	257 828
	15-19	257 925	241 672
Total	0-14	835 117	788 732
	0-19	1 093 042	1 030 404
Average annual population	0-14	41 756	39 437
	0-19	54 652	51 520

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