

# SECTION XIII

**Table XIII-1. Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-1999, Leukemia**

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
<b>All Races</b>												
1988	2,989	1,718	1,271	12.5	16.4	9.5	1,811	1,049	762	7.9	10.7	5.9
1989	3,154	1,791	1,363	12.8	16.7	10.0	1,826	1,037	789	7.7	10.3	5.8
1990	3,283	1,906	1,377	13.0	17.3	9.8	1,991	1,138	853	8.1	11.0	6.1
1991	3,275	1,900	1,375	12.5	16.5	9.5	1,882	1,066	816	7.5	10.0	5.7
1992	3,291	1,903	1,388	12.3	16.2	9.3	2,025	1,164	861	7.8	10.7	5.9
1993	3,425	1,943	1,482	12.5	16.4	9.8	2,004	1,090	914	7.6	9.7	6.1
1994	3,260	1,890	1,370	11.8	15.6	8.9	1,904	1,081	823	7.1	9.6	5.4
1995	3,450	2,023	1,427	12.2	16.4	9.1	2,000	1,135	865	7.4	9.8	5.6
1996	3,327	1,879	1,448	11.5	14.8	9.1	2,008	1,139	869	7.2	9.7	5.5
1997	3,440	1,974	1,466	11.6	15.1	9.0	2,068	1,189	879	7.3	9.9	5.5
1998	3,368	1,926	1,442	11.2	14.4	8.7	2,003	1,112	891	6.9	9.0	5.4
1999	3,025	1,771	1,254	9.7	12.7	7.4	2,122	1,229	893	7.1	9.6	5.3
<b>Asian/Pacific Islander</b>												
1988	164	100	64	9.5	12.3	7.0	78	41	37	4.9	5.4	4.4
1989	161	103	58	8.3	10.9	6.0	93	56	37	5.1	7.1	3.5
1990	185	95	90	8.6	9.2	8.1	101	57	44	5.1	6.3	4.1
1991	181	114	67	8.2	11.2	5.6	107	72	35	5.1	7.7	2.9
1992	186	105	81	7.7	9.9	6.0	105	70	35	5.0	7.6	2.7
1993	226	125	101	9.3	10.8	7.9	136	72	64	6.1	6.9	5.3
1994	218	119	99	8.7	10.5	7.2	124	74	50	5.3	6.7	4.1
1995	215	115	100	8.1	9.2	7.2	121	61	60	5.2	5.8	4.7
1996	233	139	94	8.2	10.9	6.0	117	70	47	4.5	5.9	3.3
1997	201	109	92	6.7	8.2	5.6	126	71	55	4.5	5.8	3.5
1998	237	140	97	7.5	9.5	5.8	131	69	62	4.6	5.4	4.1
1999	225	129	96	7.0	8.9	5.5	149	89	60	4.9	6.6	3.6
<b>Black</b>												
1988	159	98	61	11.6	15.7	8.2	98	58	40	7.4	10.4	5.3
1989	179	92	87	12.6	16.4	10.5	111	61	50	8.6	12.4	6.3
1990	165	98	67	11.5	15.2	8.5	112	66	46	7.7	10.8	5.5
1991	164	89	75	10.9	14.2	8.7	116	64	52	8.3	10.4	6.7
1992	168	106	62	10.4	15.0	6.9	109	69	40	7.6	12.0	4.7
1993	206	104	102	13.1	15.1	11.7	124	71	53	7.9	10.0	6.3
1994	157	88	69	10.2	13.2	7.9	105	59	46	6.7	8.5	5.3
1995	168	94	74	10.6	14.5	8.0	116	64	52	7.6	10.9	5.8
1996	170	93	77	10.1	12.9	8.2	127	70	57	8.3	11.2	6.4
1997	168	92	76	9.7	12.6	7.7	95	51	44	6.1	8.1	4.8
1998	169	93	76	9.4	12.2	7.5	105	60	45	6.2	8.1	4.7
1999	160	95	65	9.3	13.1	6.6	121	68	53	7.6	10.0	5.8

(Table Continues)

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.  
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.  
 Note: *In situ* cancers are excluded, unless specified. Rates based on fewer than 15 cases or deaths are not shown.  
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

**Table XIII-1. Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-1999, Leukemia (continued)**

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
<b>Hispanic</b>												
1988	387	214	173	8.6	10.4	7.3	197	114	83	5.3	6.0	4.7
1989	418	234	184	8.8	11.5	7.0	208	134	74	5.3	8.2	3.3
1990	491	288	203	10.7	13.0	8.7	261	143	118	6.0	7.3	5.1
1991	498	287	211	9.2	12.1	7.1	269	149	120	6.3	8.0	5.2
1992	512	296	216	9.2	10.6	8.1	301	163	138	6.3	7.2	5.7
1993	539	297	242	8.9	10.5	7.7	262	143	119	5.3	6.5	4.5
1994	538	305	233	8.9	10.3	7.7	244	126	118	5.1	5.6	4.6
1995	594	348	246	9.8	12.5	7.7	291	173	118	5.7	7.5	4.4
1996	618	354	264	8.8	10.5	7.3	312	178	134	5.6	6.7	4.8
1997	644	370	274	9.1	10.6	7.7	327	189	138	5.9	7.3	4.7
1998	641	360	281	8.8	10.3	7.4	306	164	142	5.1	5.8	4.5
1999	617	360	257	8.0	9.5	6.6	338	190	148	5.5	6.5	4.6
<b>Non-Hispanic White</b>												
1988	2,253	1,291	962	13.1	17.5	10.0	1,433	833	600	8.4	11.7	6.2
1989	2,375	1,353	1,022	13.6	17.9	10.6	1,411	784	627	8.0	10.6	6.2
1990	2,408	1,405	1,003	13.6	18.5	9.9	1,516	872	644	8.5	11.9	6.2
1991	2,398	1,388	1,010	13.3	17.7	9.9	1,384	777	607	7.6	10.3	5.7
1992	2,379	1,370	1,009	12.9	17.3	9.7	1,504	857	647	8.2	11.2	6.1
1993	2,409	1,394	1,015	13.1	17.7	9.8	1,477	803	674	7.9	10.4	6.2
1994	2,281	1,342	939	12.3	16.8	9.1	1,428	819	609	7.6	10.5	5.7
1995	2,408	1,430	978	12.9	17.6	9.4	1,468	835	633	7.8	10.6	5.7
1996	2,230	1,249	981	11.9	15.4	9.4	1,449	820	629	7.5	10.3	5.7
1997	2,346	1,348	998	12.4	16.3	9.6	1,517	876	641	7.8	10.9	5.8
1998	2,253	1,290	963	11.8	15.4	9.0	1,457	817	640	7.4	9.9	5.6
1999	1,957	1,148	809	10.2	13.3	7.7	1,507	876	631	7.5	10.5	5.4

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.  
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.  
 Note: *In situ* cancers are excluded, unless specified. Rates based on fewer than 15 cases or deaths are not shown.  
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

# SECTION XIII

**Table XIII-2. Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 1995-1999, Leukemia**

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 1995-99			Annual Rate			Deaths 1995-99			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
<b>All Races</b>												
00 - 04	1,098	618	480	8	9	7	114	61	53	1	1	1
05 - 09	563	318	245	4	5	4	123	76	47	1	1	1
10 - 14	372	195	177	3	3	3	153	88	65	1	1	1
15 - 19	342	216	126	3	4	2	175	115	60	2	2	1
20 - 24	284	171	113	3	3	2	161	99	62	2	2	1
25 - 29	313	181	132	3	3	2	164	87	77	1	1	1
30 - 34	374	223	151	3	3	2	175	97	78	1	1	1
35 - 39	491	283	208	3	4	3	232	143	89	2	2	1
40 - 44	596	307	289	5	5	4	278	151	127	2	2	2
45 - 49	674	399	275	6	7	5	312	178	134	3	3	2
50 - 54	850	509	341	10	12	8	411	252	159	5	6	4
55 - 59	1,005	591	414	15	18	12	504	276	228	7	8	7
60 - 64	1,162	743	419	21	28	15	722	464	258	13	17	9
65 - 69	1,531	967	564	30	41	21	1,017	628	389	20	27	14
70 - 74	1,920	1,161	759	41	57	29	1,359	823	536	29	40	20
75 - 79	1,966	1,154	812	54	76	39	1,562	901	661	43	59	31
80 - 84	1,617	890	727	68	98	49	1,315	730	585	55	81	40
85 +	1,452	647	805	74	108	59	1,424	635	789	73	106	58
Total/Crude	16,610	9,573	7,037	10	12	9	10,201	5,804	4,397	6	7	5
<b>Asian/Pacific Islander</b>												
00 - 04	102	64	38	7	8	5	7	4	3	0	1	0
05 - 09	45	20	25	3	3	4	9	3	6	1	0	1
10 - 14	31	21	10	2	3	2	20	10	10	1	1	2
15 - 19	34	24	10	3	4	2	15	11	4	1	2	1
20 - 24	27	12	15	2	2	2	16	11	5	1	2	1
25 - 29	32	17	15	2	2	2	18	7	11	1	1	2
30 - 34	38	16	22	3	2	3	25	8	17	2	1	2
35 - 39	58	29	29	4	4	4	24	16	8	2	2	1
40 - 44	61	31	30	4	4	4	33	12	21	2	2	3
45 - 49	47	33	14	4	5	2	14	11	3	1	2	0
50 - 54	61	26	35	7	6	7	31	20	11	3	5	2
55 - 59	65	33	32	9	10	9	39	16	23	6	5	6
60 - 64	81	44	37	14	17	12	58	34	24	10	13	8
65 - 69	103	68	35	21	31	12	65	40	25	13	18	9
70 - 74	117	75	42	27	41	17	81	56	25	19	31	10
75 - 79	78	42	36	26	32	21	79	42	37	26	32	22
80 - 84	71	48	23	40	63	23	58	34	24	33	45	24
85 +	60	29	31	44	49	40	52	25	27	38	42	35
Total/Crude	1,111	632	479	6	7	5	644	360	284	4	4	3
<b>Black</b>												
00 - 04	41	25	16	4	5	3	7	4	3	1	1	1
05 - 09	24	12	12	2	2	2	9	3	6	1	1	1
10 - 14	25	13	12	3	3	3	9	6	3	1	1	1
15 - 19	16	8	8	2	2	2	14	7	7	2	2	2
20 - 24	12	6	6	1	1	1	7	5	2	1	1	1
25 - 29	24	9	15	3	2	3	7	1	6	1	0	1
30 - 34	25	17	8	2	3	2	17	10	7	2	2	1
35 - 39	32	19	13	3	4	3	17	11	6	2	2	1
40 - 44	37	14	23	4	3	5	16	12	4	2	3	1
45 - 49	47	22	25	6	6	6	26	16	10	4	5	3
50 - 54	57	36	21	11	14	7	44	22	22	8	9	8
55 - 59	63	38	25	15	19	11	44	24	20	10	12	9
60 - 64	69	44	25	20	27	13	47	29	18	13	18	10
65 - 69	86	58	28	31	47	18	63	40	23	23	33	15
70 - 74	85	46	39	36	47	28	66	36	30	28	36	22
75 - 79	81	45	36	47	67	34	66	36	30	38	54	28
80 - 84	67	35	32	63	95	46	50	28	22	47	76	31
85 +	44	20	24	53	81	41	55	23	32	66	94	54
Total/Crude	835	467	368	7	8	6	564	313	251	5	6	4

(Table Continues)

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.

Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.

Note: *In situ* cancers are excluded, unless specified. Race/ethnicity categories are mutually exclusive.

Persons of Hispanic ethnicity may be of any race.

**Table XIII-2. Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 1995-1999, Leukemia (continued)**

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 1995-99			Annual Rate			Deaths 1995-99			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
<b>Hispanic</b>												
00 - 04	539	309	230	8	9	7	65	36	29	1	1	1
05 - 09	286	161	125	5	6	5	74	49	25	1	2	1
10 - 14	173	87	86	4	4	4	74	39	35	2	2	2
15 - 19	172	117	55	5	6	3	84	53	31	2	3	2
20 - 24	152	96	56	4	5	3	89	53	36	2	3	2
25 - 29	132	88	44	3	3	2	73	42	31	2	2	2
30 - 34	136	83	53	3	3	3	71	47	24	2	2	1
35 - 39	141	88	53	4	4	3	84	58	26	2	3	1
40 - 44	159	86	73	5	5	5	81	47	34	3	3	2
45 - 49	123	71	52	5	6	5	86	45	41	4	4	4
50 - 54	134	65	69	8	8	8	78	40	38	5	5	5
55 - 59	162	91	71	13	15	11	87	40	47	7	7	8
60 - 64	146	88	58	15	19	11	96	60	36	10	13	7
65 - 69	149	94	55	18	25	13	125	72	53	15	19	12
70 - 74	167	104	63	26	37	18	133	74	59	21	26	17
75 - 79	154	82	72	37	48	30	122	69	53	30	40	22
80 - 84	97	43	54	39	46	34	74	37	37	29	39	24
85 +	92	39	53	39	47	34	78	33	45	33	40	29
Total/Crude	3,114	1,792	1,322	6	7	6	1,574	894	680	3	4	3
<b>Non-Hispanic White</b>												
00 - 04	401	210	191	8	8	8	34	16	18	1	1	1
05 - 09	204	123	81	4	4	3	31	21	10	1	1	0
10 - 14	140	73	67	3	3	3	50	33	17	1	1	1
15 - 19	119	66	53	2	3	2	62	44	18	1	2	1
20 - 24	91	55	36	2	2	2	48	30	18	1	1	1
25 - 29	119	65	54	2	2	2	66	37	29	1	1	1
30 - 34	169	104	65	2	3	2	62	32	30	1	1	1
35 - 39	252	141	111	3	4	3	107	58	49	1	1	1
40 - 44	315	160	155	4	4	4	147	80	67	2	2	2
45 - 49	438	259	179	7	8	5	182	105	77	3	3	2
50 - 54	577	367	210	10	13	8	258	170	88	5	6	3
55 - 59	682	407	275	16	19	13	331	194	137	8	9	6
60 - 64	828	539	289	23	31	16	521	341	180	14	19	10
65 - 69	1,147	719	428	33	44	23	761	473	288	22	29	16
70 - 74	1,500	909	591	45	62	31	1,074	653	421	32	44	22
75 - 79	1,617	964	653	59	84	41	1,292	752	540	47	66	34
80 - 84	1,356	750	606	74	108	53	1,133	631	502	62	91	44
85 +	1,239	554	685	84	130	65	1,239	554	685	84	130	65
Total/Crude	11,194	6,465	4,729	13	15	11	7,398	4,224	3,174	9	10	7

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.  
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.  
 Note: *In situ* cancers are excluded, unless specified. Race/ethnicity categories are mutually exclusive.  
 Persons of Hispanic ethnicity may be of any race.

# SECTION XIII

**Table XIII-3. Risk (Percent) of Being Diagnosed with Invasive Cancer within the Next 10, 20, or 30 Years, or in Remaining Lifetime, Assuming Cancer Free at Current Age, and Lifetime Risk of Being Diagnosed with or Dying of Cancer by Race/Ethnicity and Sex, Leukemia**

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
<b>All Races</b>								
0	0.06	0.10	0.13	1.37	0.05	0.08	0.10	0.97
25	0.03	0.07	0.15	1.28	0.02	0.06	0.12	0.89
35	0.04	0.13	0.32	1.27	0.04	0.10	0.22	0.88
45	0.09	0.29	0.64	1.26	0.06	0.18	0.38	0.85
55	0.21	0.58	1.01	1.23	0.13	0.33	0.60	0.81
65	0.42	0.90	-	1.15	0.22	0.51	-	0.74
Lifetime Risk of Being Diagnosed = 1.37 %				Lifetime Risk of Being Diagnosed = 0.97 %				
Lifetime Risk of Dying of Cancer = 0.96 %				Lifetime Risk of Dying of Cancer = 0.70 %				
<b>Asian/Pacific Islander</b>								
0	0.05	0.09	0.11	1.07	0.04	0.06	0.08	0.84
25	0.02	0.06	0.12	0.99	0.02	0.06	0.11	0.78
35	0.04	0.10	0.22	0.97	0.04	0.08	0.18	0.75
45	0.06	0.18	0.47	0.94	0.05	0.15	0.28	0.72
55	0.13	0.43	0.71	0.92	0.10	0.24	0.40	0.69
65	0.33	0.63	-	0.85	0.14	0.31	-	0.62
Lifetime Risk of Being Diagnosed = 1.07 %				Lifetime Risk of Being Diagnosed = 0.84 %				
Lifetime Risk of Dying of Cancer = 0.74 %				Lifetime Risk of Dying of Cancer = 0.63 %				
<b>Black</b>								
0	0.04	0.06	0.07	0.94	0.03	0.05	0.07	0.71
25	0.03	0.06	0.15	0.91	0.03	0.06	0.13	0.67
35	0.03	0.13	0.30	0.91	0.04	0.10	0.21	0.65
45	0.10	0.28	0.57	0.92	0.07	0.17	0.34	0.63
55	0.21	0.52	0.81	0.91	0.11	0.29	0.49	0.60
65	0.39	0.74	-	0.87	0.20	0.43	-	0.55
Lifetime Risk of Being Diagnosed = 0.94 %				Lifetime Risk of Being Diagnosed = 0.71 %				
Lifetime Risk of Dying of Cancer = 0.69 %				Lifetime Risk of Dying of Cancer = 0.55 %				
<b>Hispanic</b>								
0	0.08	0.13	0.17	1.08	0.06	0.10	0.12	0.88
25	0.03	0.08	0.14	0.95	0.02	0.06	0.12	0.77
35	0.05	0.11	0.27	0.93	0.04	0.10	0.21	0.75
45	0.07	0.22	0.46	0.91	0.06	0.17	0.30	0.72
55	0.16	0.42	0.68	0.88	0.11	0.24	0.46	0.68
65	0.28	0.57	-	0.79	0.14	0.37	-	0.60
Lifetime Risk of Being Diagnosed = 1.08 %				Lifetime Risk of Being Diagnosed = 0.88 %				
Lifetime Risk of Dying of Cancer = 0.74 %				Lifetime Risk of Dying of Cancer = 0.61 %				
<b>Non-Hispanic White</b>								
0	0.06	0.09	0.11	1.47	0.05	0.08	0.10	1.02
25	0.03	0.06	0.16	1.40	0.02	0.06	0.12	0.95
35	0.04	0.14	0.35	1.39	0.04	0.10	0.23	0.93
45	0.10	0.32	0.72	1.38	0.06	0.20	0.42	0.91
55	0.23	0.65	1.12	1.35	0.14	0.37	0.66	0.87
65	0.46	0.99	-	1.25	0.25	0.57	-	0.79
Lifetime Risk of Being Diagnosed = 1.47 %				Lifetime Risk of Being Diagnosed = 1.02 %				
Lifetime Risk of Dying of Cancer = 1.03 %				Lifetime Risk of Dying of Cancer = 0.72 %				

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.

Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.

Note: Based on average annual age-specific cancer incidence and mortality rates in California, 1995-1999. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.