

# SECTION XXI

**Table XXI-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, Multiple Myeloma**

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	1,224	633	591	5.4	6.5	4.6	796	425	371	3.5	4.5	2.9
1989	1,257	658	599	5.5	6.7	4.5	776	400	376	3.4	4.1	2.8
1990	1,274	687	587	5.3	6.8	4.3	861	460	401	3.7	4.7	2.9
1991	1,369	731	638	5.5	6.9	4.5	892	449	443	3.6	4.4	3.1
1992	1,310	718	592	5.1	6.5	4.1	870	432	438	3.5	4.0	3.0
1993	1,358	743	615	5.2	6.6	4.2	904	471	433	3.5	4.4	2.9
1994	1,391	742	649	5.3	6.6	4.3	912	480	432	3.5	4.4	2.9
1995	1,361	710	651	5.1	6.1	4.3	957	533	424	3.6	4.8	2.8
1996	1,509	831	678	5.5	7.2	4.4	967	478	489	3.6	4.2	3.2
1997	1,450	792	658	5.2	6.5	4.2	959	503	456	3.5	4.3	2.9
1998	1,374	756	618	4.8	6.0	3.8	919	517	402	3.2	4.3	2.5
1999	1,348	728	620	4.6	5.6	3.8	1,039	546	493	3.6	4.4	3.0
<b>Asian/Pacific Islander</b>												
1988	47	26	21	3.7	4.5	3.1	31	15	16	2.5	3.1	2.1
1989	61	34	27	4.7	5.8	3.7	30	15	15	2.2	2.5	2.0
1990	55	25	30	3.4	3.3	3.4	31	18	13	2.3	3.1	-
1991	74	45	29	4.3	5.5	3.1	37	19	18	2.4	2.7	2.2
1992	49	31	18	2.6	3.5	1.8	30	11	19	1.8	-	2.1
1993	70	39	31	3.6	4.7	2.7	45	25	20	2.4	3.0	1.9
1994	82	51	31	3.8	5.1	2.8	34	22	12	1.6	2.4	-
1995	81	46	35	3.4	4.3	2.7	44	27	17	2.0	2.8	1.4
1996	113	57	56	4.7	5.5	4.1	47	29	18	1.9	2.7	1.3
1997	99	61	38	3.9	5.4	2.8	46	25	21	1.8	2.2	1.5
1998	76	38	38	2.8	3.2	2.5	50	33	17	1.9	2.9	1.1
1999	86	47	39	3.0	3.6	2.5	59	28	31	2.2	2.3	2.1
<b>Black</b>												
1988	138	71	67	11.0	13.6	9.2	96	42	54	8.1	8.8	7.8
1989	139	69	70	11.8	14.6	10.1	99	55	44	8.4	11.0	6.5
1990	151	92	59	11.7	17.8	7.9	104	52	52	8.6	11.1	7.2
1991	187	104	83	13.7	18.0	10.8	112	64	48	8.7	12.5	6.4
1992	149	83	66	10.9	14.4	8.4	96	43	53	7.0	7.5	6.7
1993	150	74	76	11.0	12.6	9.7	102	52	50	7.7	9.4	6.5
1994	171	75	96	11.8	12.5	11.5	92	45	47	6.8	8.5	5.8
1995	161	75	86	10.8	12.0	10.0	116	61	55	8.1	10.6	6.6
1996	182	80	102	12.2	13.4	11.9	108	48	60	7.4	8.2	7.0
1997	162	90	72	10.5	13.3	8.3	106	42	64	6.9	6.6	7.2
1998	175	93	82	10.9	13.4	9.0	117	58	59	7.5	9.6	6.4
1999	164	82	82	10.2	11.8	8.9	119	45	74	7.9	7.5	8.3

(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.

# MULTIPLE MYELOMA

**Table XXI-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, Multiple Myeloma (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	135	69	66	5.1	5.7	4.6	80	46	34	3.2	4.2	2.5
1989	143	61	82	5.2	4.8	5.4	81	44	37	2.9	3.5	2.5
1990	159	90	69	5.4	7.2	4.2	99	50	49	3.8	4.3	3.4
1991	158	90	68	5.1	6.3	4.1	90	47	43	3.2	3.8	2.7
1992	177	89	88	5.4	6.2	4.9	104	54	50	3.2	3.7	2.8
1993	184	107	77	5.2	6.9	4.0	106	57	49	3.2	4.1	2.6
1994	173	95	78	4.7	5.7	4.0	125	75	50	3.7	5.2	2.6
1995	191	106	85	5.0	6.3	4.0	100	56	44	2.8	3.5	2.2
1996	211	134	77	5.1	7.6	3.3	133	71	62	3.6	4.9	2.8
1997	205	108	97	4.7	5.2	4.2	132	76	56	3.4	4.3	2.6
1998	210	112	98	4.7	5.3	4.1	109	60	49	2.6	3.3	2.1
1999	219	109	110	4.5	4.9	4.2	152	79	73	3.4	3.7	3.0
<b>Non-Hispanic White</b>												
1988	893	458	435	5.1	6.2	4.4	589	322	267	3.4	4.4	2.7
1989	902	489	413	5.1	6.6	4.0	564	284	280	3.2	3.8	2.7
1990	898	476	422	4.9	6.3	4.0	624	338	286	3.5	4.5	2.7
1991	938	485	453	5.1	6.3	4.3	650	318	332	3.5	4.2	3.0
1992	923	508	415	4.9	6.3	3.8	639	324	315	3.4	4.1	2.9
1993	942	518	424	4.9	6.3	3.9	649	335	314	3.4	4.2	2.9
1994	946	513	433	4.9	6.4	3.9	661	338	323	3.5	4.3	2.9
1995	907	470	437	4.7	5.8	4.0	696	388	308	3.6	4.9	2.7
1996	988	551	437	5.1	6.7	4.0	674	327	347	3.5	4.1	3.1
1997	947	513	434	4.8	6.1	3.9	672	359	313	3.4	4.4	2.7
1998	886	498	388	4.5	5.8	3.5	641	366	275	3.2	4.4	2.4
1999	850	474	376	4.2	5.4	3.3	707	394	313	3.5	4.6	2.7

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. 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 XXI

**Table XXI-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, Multiple Myeloma**

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	0	0	0	0	0	0	0	0	0	0	0	0
05 - 09	1	1	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	1	1	0	0	0	0	0	0	0	0	0	0
20 - 24	4	1	3	0	0	0	1	1	0	0	0	0
25 - 29	11	11	0	0	0	0	2	1	1	0	0	0
30 - 34	31	29	2	0	0	0	12	11	1	0	0	0
35 - 39	87	55	32	1	1	0	26	16	10	0	0	0
40 - 44	174	106	68	1	2	1	66	45	21	1	1	0
45 - 49	310	193	117	3	3	2	126	73	53	1	1	1
50 - 54	460	258	202	5	6	5	202	112	90	2	3	2
55 - 59	604	346	258	9	10	8	312	184	128	5	6	4
60 - 64	708	405	303	13	15	11	422	223	199	8	8	7
65 - 69	943	525	418	19	22	15	629	353	276	12	15	10
70 - 74	1,161	635	526	25	31	20	865	476	389	19	23	15
75 - 79	1,155	593	562	32	39	27	908	472	436	25	31	21
80 - 84	781	375	406	33	41	28	687	334	353	29	37	24
85 +	611	283	328	31	47	24	583	276	307	30	46	23
Total/Crude	7,042	3,817	3,225	4	5	4	4,841	2,577	2,264	3	3	3
<b>Asian/Pacific Island</b>												
00 - 04	0	0	0	0	0	0	0	0	0	0	0	0
05 - 09	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	2	2	0	0	0	0	0	0	0	0	0	0
30 - 34	2	2	0	0	0	0	0	0	0	0	0	0
35 - 39	5	3	2	0	0	0	1	1	0	0	0	0
40 - 44	14	8	6	1	1	1	5	4	1	0	1	0
45 - 49	28	12	16	2	2	2	7	3	4	1	0	1
50 - 54	30	16	14	3	4	3	12	6	6	1	1	1
55 - 59	33	19	14	5	6	4	18	17	1	3	5	0
60 - 64	49	28	21	9	11	7	24	9	15	4	3	5
65 - 69	65	36	29	13	16	10	35	23	12	7	10	4
70 - 74	71	43	28	17	23	12	51	31	20	12	17	8
75 - 79	81	44	37	27	34	22	41	21	20	14	16	12
80 - 84	46	16	30	26	21	30	28	10	18	16	13	18
85 +	29	20	9	21	34	12	24	17	7	17	28	9
Total/Crude	455	249	206	3	3	2	246	142	104	1	2	1
<b>Black</b>												
00 - 04	0	0	0	0	0	0	0	0	0	0	0	0
05 - 09	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	1	1	0	0	0	0	0	0	0	0	0	0
20 - 24	1	1	0	0	0	0	1	1	0	0	0	0
25 - 29	1	1	0	0	0	0	0	0	0	0	0	0
30 - 34	6	6	0	1	1	0	5	5	0	1	1	0
35 - 39	14	7	7	1	1	1	5	3	2	0	1	0
40 - 44	26	10	16	3	2	3	13	4	9	1	1	2
45 - 49	54	31	23	7	9	6	24	12	12	3	3	3
50 - 54	80	34	46	15	14	16	36	14	22	7	6	8
55 - 59	97	57	40	22	28	17	57	31	26	13	15	11
60 - 64	105	64	41	30	39	22	75	27	48	21	17	25
65 - 69	93	47	46	33	38	29	69	32	37	25	26	24
70 - 74	139	68	71	59	69	51	93	46	47	39	47	34
75 - 79	99	39	60	57	58	57	89	33	56	52	49	53
80 - 84	69	33	36	64	89	51	53	24	29	50	65	41
85 +	59	21	38	71	86	64	46	22	24	55	90	41
Total/Crude	844	420	424	7	7	7	566	254	312	5	4	5

(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.

# MULTIPLE MYELOMA

**Table XXI-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, Multiple Myeloma (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	0	0	0	0	0	0	0	0	0	0	0	0
05 - 09	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	3	0	3	0	0	0	0	0	0	0	0	0
25 - 29	6	6	0	0	0	0	1	1	0	0	0	0
30 - 34	13	12	1	0	0	0	4	4	0	0	0	0
35 - 39	23	15	8	1	1	0	7	5	2	0	0	0
40 - 44	37	22	15	1	1	1	11	7	4	0	0	0
45 - 49	57	36	21	2	3	2	19	12	7	1	1	1
50 - 54	86	49	37	5	6	4	32	17	15	2	2	2
55 - 59	105	60	45	9	10	7	53	28	25	4	5	4
60 - 64	121	62	59	13	13	12	71	41	30	7	9	6
65 - 69	195	106	89	24	28	20	96	56	40	12	15	9
70 - 74	145	78	67	23	28	19	118	63	55	19	22	16
75 - 79	113	63	50	27	37	21	108	62	46	26	36	19
80 - 84	77	36	41	31	38	26	47	23	24	19	24	15
85 +	55	24	31	23	29	20	59	23	36	25	28	23
Total/Crude	1,036	569	467	2	2	2	626	342	284	1	1	1
<b>Non-Hispanic White</b>												
00 - 04	0	0	0	0	0	0	0	0	0	0	0	0
05 - 09	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	2	2	0	0	0	0	1	0	1	0	0	0
30 - 34	10	9	1	0	0	0	3	2	1	0	0	0
35 - 39	44	29	15	1	1	0	13	7	6	0	0	0
40 - 44	94	63	31	1	2	1	37	30	7	1	1	0
45 - 49	168	113	55	3	3	2	76	46	30	1	1	1
50 - 54	256	155	101	5	6	4	120	74	46	2	3	2
55 - 59	361	205	156	8	10	7	183	108	75	4	5	3
60 - 64	421	244	177	12	14	10	251	145	106	7	8	6
65 - 69	569	324	245	16	20	13	426	240	186	12	15	10
70 - 74	784	434	350	23	29	19	603	336	267	18	23	14
75 - 79	843	437	406	31	38	26	667	356	311	25	31	20
80 - 84	569	278	291	31	40	26	558	277	281	31	40	25
85 +	457	213	244	31	50	23	452	213	239	31	50	23
Total/Crude	4,578	2,506	2,072	5	6	5	3,390	1,834	1,556	4	4	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. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

# SECTION XXI

**Table XXI-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, Multiple Myeloma**

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
<b>All Races</b>								
0	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.50
25	0.00	0.01	0.06	0.62	0.00	0.01	0.04	0.51
35	0.01	0.06	0.17	0.63	0.01	0.04	0.12	0.51
45	0.05	0.16	0.35	0.64	0.03	0.12	0.26	0.51
55	0.12	0.32	0.52	0.62	0.09	0.23	0.40	0.49
65	0.23	0.45	-	0.56	0.16	0.34	-	0.43
Lifetime Risk of Being Diagnosed = 0.61 %				Lifetime Risk of Being Diagnosed = 0.50 %				
Lifetime Risk of Dying of Cancer = 0.46 %				Lifetime Risk of Dying of Cancer = 0.38 %				
<b>Asian/Pacific Islander</b>								
0	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.44
25	0.00	0.01	0.04	0.57	0.00	0.01	0.03	0.44
35	0.01	0.03	0.11	0.57	0.01	0.03	0.08	0.44
45	0.03	0.10	0.27	0.57	0.03	0.08	0.17	0.44
55	0.08	0.25	0.42	0.56	0.05	0.15	0.34	0.42
65	0.18	0.37	-	0.52	0.10	0.30	-	0.39
Lifetime Risk of Being Diagnosed = 0.56 %				Lifetime Risk of Being Diagnosed = 0.44 %				
Lifetime Risk of Dying of Cancer = 0.36 %				Lifetime Risk of Dying of Cancer = 0.25 %				
<b>Black</b>								
0	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.96
25	0.01	0.02	0.12	0.97	0.00	0.02	0.13	0.98
35	0.02	0.12	0.38	0.99	0.02	0.13	0.30	0.99
45	0.11	0.38	0.69	1.03	0.11	0.28	0.57	0.99
55	0.30	0.65	0.91	1.02	0.18	0.49	0.77	0.94
65	0.43	0.75	-	0.89	0.35	0.67	-	0.87
Lifetime Risk of Being Diagnosed = 0.94 %				Lifetime Risk of Being Diagnosed = 0.96 %				
Lifetime Risk of Dying of Cancer = 0.61 %				Lifetime Risk of Dying of Cancer = 0.72 %				
<b>Hispanic</b>								
0	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.56
25	0.00	0.01	0.06	0.68	0.00	0.01	0.04	0.56
35	0.01	0.05	0.16	0.68	0.01	0.04	0.13	0.57
45	0.04	0.15	0.37	0.69	0.03	0.12	0.29	0.57
55	0.11	0.34	0.55	0.68	0.09	0.26	0.42	0.55
65	0.25	0.49	-	0.62	0.18	0.35	-	0.49
Lifetime Risk of Being Diagnosed = 0.66 %				Lifetime Risk of Being Diagnosed = 0.56 %				
Lifetime Risk of Dying of Cancer = 0.47 %				Lifetime Risk of Dying of Cancer = 0.41 %				
<b>Non-Hispanic White</b>								
0	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.46
25	0.00	0.01	0.06	0.59	0.00	0.01	0.03	0.46
35	0.01	0.05	0.16	0.60	0.01	0.03	0.11	0.47
45	0.04	0.15	0.33	0.60	0.03	0.10	0.24	0.47
55	0.11	0.30	0.50	0.59	0.08	0.22	0.38	0.45
65	0.22	0.43	-	0.53	0.15	0.32	-	0.40
Lifetime Risk of Being Diagnosed = 0.58 %				Lifetime Risk of Being Diagnosed = 0.46 %				
Lifetime Risk of Dying of Cancer = 0.45 %				Lifetime Risk of Dying of Cancer = 0.35 %				

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.