

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2014, Invasive Melanoma of the Skin

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
ALL RACES												
1988	3,490	1,955	1,535	13.7	17.1	11.2	716	415	301	3.0	3.8	2.3
1989	3,714	2,045	1,669	14.3	17.8	11.9	766	473	293	3.1	4.3	2.2
1990	3,646	2,037	1,609	13.9	17.3	11.4	782	483	299	3.1	4.4	2.2
1991	3,627	2,073	1,554	13.7	17.5	10.9	802	509	293	3.2	4.6	2.1
1992	3,812	2,145	1,667	14.1	17.7	11.4	718	463	255	2.8	4.0	1.8
1993	3,734	2,102	1,632	13.6	17.1	11.0	723	449	274	2.8	3.9	1.9
1994	4,097	2,367	1,730	14.8	19.1	11.6	779	494	285	2.9	4.3	2.0
1995	4,589	2,589	2,000	16.4	20.8	13.3	802	516	286	2.9	4.3	1.9
1996	4,955	2,808	2,147	17.5	22.1	14.1	784	495	289	2.9	4.2	1.9
1997	5,149	2,955	2,194	17.7	22.9	14.0	807	536	271	2.9	4.3	1.8
1998	5,078	2,968	2,110	17.1	22.4	13.2	815	527	288	2.9	4.2	1.8
1999	5,568	3,211	2,357	18.4	23.7	14.5	725	468	257	2.5	3.6	1.6
2000	5,596	3,272	2,324	18.1	23.7	14.0	764	467	297	2.6	3.6	1.8
2001	6,065	3,549	2,516	19.2	25.2	14.9	777	503	274	2.6	3.8	1.6
2002	6,055	3,500	2,555	18.9	24.4	14.8	775	498	277	2.5	3.6	1.6
2003	5,972	3,447	2,525	18.3	23.7	14.4	856	573	283	2.7	4.2	1.6
2004	6,579	3,865	2,714	19.8	26.0	15.2	830	558	272	2.6	3.9	1.5
2005	7,171	4,259	2,912	21.2	28.0	16.1	841	573	268	2.5	4.0	1.5
2006	6,803	3,998	2,805	19.9	26.2	15.3	887	572	315	2.7	3.9	1.7
2007	7,351	4,342	3,009	21.1	27.8	16.2	842	553	289	2.5	3.7	1.5
2008	7,622	4,534	3,088	21.5	28.5	16.2	928	605	323	2.6	3.9	1.7
2009	7,512	4,480	3,032	20.7	27.4	15.7	915	610	305	2.6	3.9	1.5
2010	7,711	4,637	3,074	20.9	27.9	15.6	968	640	328	2.6	4.0	1.6
2011	7,832	4,759	3,073	20.7	27.8	15.2	920	628	292	2.5	3.8	1.4
2012	8,226	4,986	3,240	21.2	28.5	15.7	959	625	334	2.5	3.7	1.6
2013	8,718	5,381	3,337	21.9	29.9	15.9	914	613	301	2.3	3.5	1.4
2014	9,400	5,625	3,775	22.9	30.2	17.4	973	675	298	2.4	3.8	1.3
ASIAN/PACIFIC ISLANDER												
1988	17	4	13	1.0	-	-	3	2	1	-	-	-
1989	20	12	8	1.1	-	-	8	4	4	-	-	-
1990	21	8	13	0.9	-	-	3	2	1	-	-	-
1991	22	13	9	1.3	-	-	9	5	4	-	-	-
1992	22	8	14	0.9	-	-	8	4	4	-	-	-
1993	29	12	17	1.2	-	1.3	4	3	1	-	-	-
1994	21	17	4	0.7	1.4	-	10	5	5	-	-	-
1995	35	18	17	1.2	1.5	1.1	5	3	2	-	-	-
1996	29	14	15	0.9	-	0.9	12	7	5	-	-	-
1997	33	19	14	1.1	1.5	-	19	7	12	0.7	-	-
1998	36	11	25	1.2	-	1.4	11	6	5	-	-	-
1999	38	17	21	1.1	1.2	1.1	13	8	5	-	-	-
2000	47	19	28	1.4	1.3	1.5	10	4	6	-	-	-
2001	48	23	25	1.3	1.5	1.2	8	3	5	-	-	-
2002	61	36	25	1.6	2.2	1.1	14	10	4	-	-	-
2003	50	23	27	1.2	1.4	1.2	9	5	4	-	-	-
2004	57	25	32	1.3	1.4	1.3	8	3	5	-	-	-
2005	75	36	39	1.7	1.8	1.6	23	14	9	0.6	-	-
2006	47	30	17	1.0	1.5	0.7	12	3	9	-	-	-
2007	65	31	34	1.4	1.5	1.3	20	12	8	0.5	-	-
2008	67	30	37	1.3	1.3	1.3	16	10	6	0.4	-	-
2009	65	33	32	1.3	1.6	1.2	17	10	7	0.3	-	-
2010	52	29	23	1.0	1.3	0.8	16	8	8	0.3	-	-
2011	66	34	32	1.3	1.5	1.1	19	8	11	0.4	-	-
2012	64	31	33	1.1	1.2	1.1	21	9	12	0.4	-	-
2013	72	36	36	1.2	1.4	1.1	17	13	4	0.3	-	-
2014	86	39	47	1.3	1.3	1.3	18	8	10	0.3	-	-

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (November 2016) and CDPH 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.

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2014, Invasive Melanoma of the Skin (continued)

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK												
1988	20	11	9	1.2	-	-	5	2	3	-	-	-
1989	18	10	8	1.2	-	-	2	0	2	-	-	-
1990	13	8	5	-	-	-	7	2	5	-	-	-
1991	18	7	11	1.7	-	-	13	7	6	-	-	-
1992	17	9	8	1.2	-	-	10	4	6	-	-	-
1993	12	3	9	-	-	-	5	1	4	-	-	-
1994	20	8	12	1.4	-	-	7	4	3	-	-	-
1995	16	10	6	1.1	-	-	9	4	5	-	-	-
1996	19	5	14	1.2	-	-	5	1	4	-	-	-
1997	16	8	8	1.0	-	-	7	2	5	-	-	-
1998	24	14	10	1.5	-	-	7	4	3	-	-	-
1999	27	14	13	1.5	-	-	4	4	0	-	-	-
2000	23	16	7	1.3	2.4	-	5	2	3	-	-	-
2001	19	13	6	1.0	-	-	2	0	2	-	-	-
2002	20	8	12	1.1	-	-	7	2	5	-	-	-
2003	27	10	17	1.5	-	1.7	7	4	3	-	-	-
2004	19	9	10	1.0	-	-	5	4	1	-	-	-
2005	20	11	9	1.0	-	-	5	0	5	-	-	-
2006	16	9	7	0.9	-	-	5	5	0	-	-	-
2007	34	16	18	1.7	1.7	1.7	9	2	7	-	-	-
2008	26	13	13	1.4	-	-	6	5	1	-	-	-
2009	17	12	5	0.8	-	-	8	4	4	-	-	-
2010	27	11	16	1.3	-	1.4	2	2	0	-	-	-
2011	19	6	13	0.9	-	-	13	7	6	-	-	-
2012	21	14	7	1.1	-	-	9	4	5	-	-	-
2013	18	10	8	0.8	-	-	4	2	2	-	-	-
2014	33	17	16	1.5	1.8	1.3	7	3	4	-	-	-
HISPANIC												
1988	165	67	98	4.4	4.3	4.6	31	15	16	1.0	1.2	0.9
1989	158	56	102	3.9	3.6	4.4	34	10	24	1.0	-	1.2
1990	153	64	89	3.8	4.0	3.8	35	20	15	0.9	1.4	0.6
1991	180	79	101	4.1	4.1	4.2	29	14	15	0.8	-	0.7
1992	160	69	91	3.4	3.3	3.7	33	18	15	0.8	1.1	0.6
1993	163	74	89	3.4	3.7	3.3	33	16	17	0.8	0.7	0.9
1994	192	78	114	3.8	3.7	4.0	40	17	23	1.0	1.0	1.1
1995	172	76	96	3.6	3.8	3.5	33	21	12	0.8	1.1	-
1996	203	73	130	3.9	3.6	4.5	44	21	23	1.0	1.2	0.9
1997	252	94	158	4.3	4.1	4.7	50	27	23	1.2	1.5	0.9
1998	218	97	121	4.2	4.5	4.1	53	27	26	1.3	1.5	1.1
1999	290	122	168	5.0	4.9	5.2	40	18	22	0.8	0.7	0.9
2000	252	108	144	4.1	4.5	4.0	51	30	21	1.0	1.3	0.7
2001	281	136	145	4.5	5.3	4.1	51	28	23	0.9	1.1	0.8
2002	301	122	179	4.7	5.2	4.7	53	30	23	1.1	1.3	0.8
2003	300	108	192	4.4	4.0	4.9	59	33	26	1.1	1.5	0.8
2004	353	144	209	4.9	5.1	5.0	38	22	16	0.6	0.7	0.4
2005	377	161	216	5.1	5.4	5.1	67	43	24	1.0	1.6	0.6
2006	329	147	182	4.2	4.8	4.0	73	37	36	1.2	1.4	1.0
2007	354	138	216	4.4	4.3	4.8	61	38	23	0.9	1.5	0.6
2008	403	186	217	5.1	5.8	4.7	61	34	27	0.8	0.9	0.7
2009	352	169	183	4.3	4.8	3.9	81	43	38	1.1	1.4	1.0
2010	365	159	206	4.1	4.2	4.2	77	38	39	1.1	1.1	1.0
2011	387	163	224	4.3	4.3	4.4	74	47	27	0.9	1.4	0.6
2012	399	182	217	4.3	4.9	4.1	70	38	32	0.9	1.1	0.7
2013	431	205	226	4.4	5.1	4.0	72	42	30	0.8	1.1	0.6
2014	530	231	299	5.1	5.1	5.2	74	48	26	0.8	1.2	0.5

(Table Continues)

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Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE												
1988	3,098	1,781	1,317	17.7	22.1	14.4	676	396	280	3.9	5.0	3.0
1989	3,289	1,862	1,427	18.6	23.1	15.3	721	459	262	4.1	5.8	2.8
1990	3,223	1,842	1,381	18.1	22.3	14.9	735	459	276	4.2	5.8	2.8
1991	3,180	1,856	1,324	17.8	22.6	14.1	750	482	268	4.2	6.1	2.7
1992	3,327	1,899	1,428	18.4	22.9	15.2	666	437	229	3.7	5.4	2.3
1993	3,225	1,864	1,361	17.8	22.4	14.4	680	429	251	3.7	5.3	2.5
1994	3,573	2,123	1,450	19.8	25.5	15.5	722	468	254	4.0	5.8	2.6
1995	3,998	2,304	1,694	22.3	27.8	18.2	755	488	267	4.1	5.9	2.7
1996	4,298	2,516	1,782	23.9	30.1	19.2	723	466	257	3.9	5.8	2.5
1997	4,510	2,643	1,867	24.7	31.2	19.9	730	499	231	3.9	5.9	2.3
1998	4,556	2,717	1,839	24.7	31.5	19.6	744	490	254	3.9	5.8	2.5
1999	4,904	2,891	2,013	26.3	33.1	21.1	666	437	229	3.5	5.1	2.2
2000	5,005	3,000	2,005	26.6	34.1	20.8	697	431	266	3.6	5.0	2.5
2001	5,328	3,159	2,169	28.1	35.6	22.6	716	472	244	3.6	5.4	2.3
2002	5,326	3,145	2,181	27.9	35.1	22.4	700	455	245	3.6	5.1	2.3
2003	5,303	3,158	2,145	27.5	34.8	22.0	779	531	248	3.9	6.0	2.3
2004	5,789	3,507	2,282	30.1	38.7	23.5	777	528	249	3.9	5.8	2.3
2005	6,335	3,860	2,475	32.8	42.1	25.6	745	515	230	3.7	5.7	2.1
2006	6,029	3,618	2,411	31.2	39.6	24.9	794	524	270	3.9	5.7	2.5
2007	6,362	3,880	2,482	32.5	41.8	25.5	750	500	250	3.7	5.4	2.3
2008	6,617	4,031	2,586	33.5	43.0	26.3	843	555	288	4.1	5.9	2.5
2009	6,570	3,992	2,578	32.9	41.9	25.9	806	551	255	3.9	5.8	2.3
2010	6,609	4,067	2,542	32.8	42.5	25.3	872	592	280	4.1	6.1	2.5
2011	6,767	4,223	2,544	33.2	43.3	25.3	810	562	248	3.8	5.7	2.2
2012	7,150	4,442	2,708	34.8	45.2	26.6	857	573	284	3.9	5.8	2.4
2013	7,476	4,722	2,754	35.7	46.9	26.9	819	556	263	3.7	5.5	2.3
2014	7,892	4,841	3,051	37.1	47.1	29.3	871	615	256	3.9	6.0	2.1

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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.

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, 2010-2014, Invasive Melanoma of the Skin

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2010-2014			Annual Rate			Deaths 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
ALL RACES												
00 - 04	15	9	6	0.1	0.1	0.1	1	0	1	0.0	0.0	0.0
05 - 09	21	7	14	0.2	0.1	0.2	0	0	0	0.0	0.0	0.0
10 - 14	41	16	25	0.3	0.3	0.4	1	0	1	0.0	0.0	0.0
15 - 19	98	48	50	0.7	0.7	0.8	6	4	2	0.0	0.1	0.0
20 - 24	363	134	229	2.5	1.8	3.3	14	9	5	0.1	0.1	0.1
25 - 29	661	234	427	4.7	3.2	6.3	31	16	15	0.2	0.2	0.2
30 - 34	988	390	598	7.3	5.7	9.0	49	34	15	0.4	0.5	0.2
35 - 39	1,167	515	652	9.2	8.1	10.3	87	48	39	0.7	0.8	0.6
40 - 44	1,751	765	986	13.3	11.6	15.0	121	78	43	0.9	1.2	0.7
45 - 49	2,526	1,239	1,287	19.2	18.9	19.6	207	125	82	1.6	1.9	1.3
50 - 54	3,792	2,053	1,739	28.9	31.6	26.3	292	187	105	2.2	2.9	1.6
55 - 59	4,362	2,626	1,736	37.2	46.0	28.8	437	302	135	3.7	5.3	2.2
60 - 64	4,998	3,182	1,816	50.9	67.7	35.5	524	358	166	5.3	7.6	3.2
65 - 69	5,232	3,437	1,795	70.4	98.4	45.6	558	382	176	7.5	10.9	4.5
70 - 74	4,519	3,146	1,373	84.7	129.1	47.4	513	384	129	9.6	15.8	4.5
75 - 79	3,982	2,726	1,256	99.4	154.1	56.1	544	373	171	13.6	21.1	7.6
80 - 84	3,514	2,386	1,128	114.4	186.5	62.9	561	401	160	18.3	31.3	8.9
85 +	3,857	2,475	1,382	118.9	214.9	66.0	788	480	308	24.3	41.7	14.7
Total/Crude	41,887	25,388	16,499	22.0	26.9	17.2	4,734	3,181	1,553	2.5	3.4	1.6
ASIAN/PACIFIC ISLANDER												
00 - 04	2	1	1	0.1	0.1	0.1	0	0	0	0.0	0.0	0.0
05 - 09	2	1	1	0.1	0.1	0.1	0	0	0	0.0	0.0	0.0
10 - 14	1	1	0	0.1	0.1	0.0	1	0	1	0.1	0.0	0.1
15 - 19	1	1	0	0.1	0.1	0.0	0	0	0	0.0	0.0	0.0
20 - 24	6	2	4	0.3	0.2	0.4	1	1	0	0.1	0.1	0.0
25 - 29	2	0	2	0.1	0.0	0.2	0	0	0	0.0	0.0	0.0
30 - 34	14	3	11	0.7	0.3	1.0	2	2	0	0.1	0.2	0.0
35 - 39	22	10	12	1.0	1.0	1.1	5	3	2	0.2	0.3	0.2
40 - 44	15	8	7	0.7	0.8	0.6	4	3	1	0.2	0.3	0.1
45 - 49	25	7	18	1.2	0.8	1.7	8	4	4	0.4	0.4	0.4
50 - 54	30	12	18	1.5	1.3	1.7	8	2	6	0.4	0.2	0.6
55 - 59	27	21	6	1.5	2.6	0.6	3	2	1	0.2	0.3	0.1
60 - 64	34	17	17	2.3	2.5	2.1	4	1	3	0.3	0.2	0.4
65 - 69	41	24	17	3.8	4.9	2.9	11	4	7	1.0	0.8	1.2
70 - 74	33	17	16	4.1	4.8	3.6	10	6	4	1.2	1.7	0.9
75 - 79	28	16	12	4.6	6.1	3.4	9	4	5	1.5	1.5	1.4
80 - 84	22	10	12	5.0	5.7	4.6	13	9	4	3.0	5.1	1.5
85 +	35	18	17	8.6	11.8	6.6	12	5	7	2.9	3.3	2.7
Total/Crude	340	169	171	1.2	1.3	1.2	91	46	45	0.3	0.4	0.3

(Table Continues)

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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, 2010-2014, Invasive Melanoma of the Skin (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2010-2014			Annual Rate			Deaths 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK												
00 - 04	0	0	0	0.0	0.0	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	0.0	0.0	0.0
10 - 14	0	0	0	0.0	0.0	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	0.0	0.0	0.0
20 - 24	2	0	2	0.2	0.0	0.4	0	0	0	0.0	0.0	0.0
25 - 29	1	1	0	0.1	0.2	0.0	0	0	0	0.0	0.0	0.0
30 - 34	2	1	1	0.3	0.2	0.3	0	0	0	0.0	0.0	0.0
35 - 39	8	0	8	1.1	0.0	2.2	0	0	0	0.0	0.0	0.0
40 - 44	5	3	2	0.6	0.8	0.5	3	2	1	0.4	0.5	0.3
45 - 49	5	1	4	0.6	0.2	0.9	2	2	0	0.2	0.5	0.0
50 - 54	11	4	7	1.2	0.9	1.6	6	2	4	0.7	0.5	0.9
55 - 59	7	1	6	0.9	0.3	1.6	3	2	1	0.4	0.6	0.3
60 - 64	12	8	4	2.0	2.9	1.3	1	1	0	0.2	0.4	0.0
65 - 69	15	9	6	3.6	4.8	2.6	6	2	4	1.5	1.1	1.8
70 - 74	14	10	4	4.6	7.5	2.3	4	2	2	1.3	1.5	1.2
75 - 79	18	12	6	8.0	12.5	4.7	4	2	2	1.8	2.1	1.6
80 - 84	9	5	4	6.3	9.0	4.5	1	0	1	0.7	0.0	1.1
85 +	9	3	6	6.4	6.7	6.2	5	3	2	3.6	6.7	2.1
Total/Crude	118	58	60	1.0	1.0	1.0	35	18	17	0.3	0.3	0.3
HISPANIC												
00 - 04	7	4	3	0.1	0.1	0.1	1	0	1	0.0	0.0	0.0
05 - 09	7	1	6	0.1	0.0	0.2	0	0	0	0.0	0.0	0.0
10 - 14	12	2	10	0.2	0.1	0.3	0	0	0	0.0	0.0	0.0
15 - 19	6	3	3	0.1	0.1	0.1	1	1	0	0.0	0.0	0.0
20 - 24	36	15	21	0.6	0.5	0.7	2	0	2	0.0	0.0	0.1
25 - 29	65	19	46	1.1	0.6	1.6	7	4	3	0.1	0.1	0.1
30 - 34	85	30	55	1.5	1.0	2.0	7	5	2	0.1	0.2	0.1
35 - 39	121	34	87	2.3	1.3	3.3	14	6	8	0.3	0.2	0.3
40 - 44	155	51	104	3.0	2.0	4.1	28	15	13	0.6	0.6	0.5
45 - 49	169	65	104	3.7	2.8	4.7	12	7	5	0.3	0.3	0.2
50 - 54	254	99	155	6.7	5.3	8.1	27	15	12	0.7	0.8	0.6
55 - 59	220	104	116	7.5	7.3	7.6	45	31	14	1.5	2.2	0.9
60 - 64	230	110	120	10.8	10.9	10.7	31	22	9	1.5	2.2	0.8
65 - 69	192	100	92	13.0	15.0	11.4	46	25	21	3.1	3.7	2.6
70 - 74	169	84	85	16.4	18.8	14.6	33	19	14	3.2	4.3	2.4
75 - 79	141	84	57	18.8	26.8	13.1	41	23	18	5.5	7.3	4.1
80 - 84	115	66	49	21.5	30.8	15.3	31	22	9	5.8	10.3	2.8
85 +	128	69	59	27.7	40.8	20.1	41	18	23	8.9	10.6	7.8
Total/Crude	2,112	940	1,172	2.9	2.6	3.3	367	213	154	0.5	0.6	0.4

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.
 Source: California Cancer Registry (November 2016) and CDPH 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.

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, 2010-2014, Invasive Melanoma of the Skin (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2010-2014			Annual Rate			Deaths 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE												
00 - 04	6	4	2	0.2	0.2	0.1	0	0	0	0.0	0.0	0.0
05 - 09	12	5	7	0.3	0.3	0.4	0	0	0	0.0	0.0	0.0
10 - 14	28	13	15	0.7	0.7	0.8	0	0	0	0.0	0.0	0.0
15 - 19	86	41	45	2.1	1.9	2.2	5	3	2	0.1	0.1	0.1
20 - 24	277	97	180	5.7	3.8	7.7	11	8	3	0.2	0.3	0.1
25 - 29	508	187	321	10.0	7.1	13.2	24	12	12	0.5	0.5	0.5
30 - 34	773	312	461	16.1	12.6	19.9	39	26	13	0.8	1.1	0.6
35 - 39	895	422	473	20.3	18.6	22.2	68	39	29	1.5	1.7	1.4
40 - 44	1,370	617	753	27.3	24.0	30.7	85	58	27	1.7	2.3	1.1
45 - 49	2,063	1,031	1,032	36.4	35.9	37.0	185	112	73	3.3	3.9	2.6
50 - 54	3,082	1,713	1,369	48.2	53.1	43.2	250	167	83	3.9	5.2	2.6
55 - 59	3,687	2,261	1,426	59.7	73.5	46.0	383	266	117	6.2	8.7	3.8
60 - 64	4,278	2,778	1,500	77.2	102.3	53.2	487	333	154	8.8	12.3	5.5
65 - 69	4,593	3,049	1,544	104.0	143.1	67.6	494	351	143	11.2	16.5	6.3
70 - 74	3,991	2,823	1,168	126.2	190.1	69.6	463	355	108	14.6	23.9	6.4
75 - 79	3,551	2,458	1,093	147.7	225.5	83.2	490	344	146	20.4	31.6	11.1
80 - 84	3,198	2,203	995	164.5	266.0	89.1	516	370	146	26.5	44.7	13.1
85 +	3,496	2,281	1,215	157.4	291.6	84.4	729	454	275	32.8	58.1	19.1
Total/Crude	35,894	22,295	13,599	46.4	57.9	35.1	4,229	2,898	1,331	5.5	7.5	3.4

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (November 2016) and CDPH 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.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2014, In Situ Melanoma of the Skin

Year of Diagnosis	Incidence					
	New Cases			Annual Rate		
	Total	Male	Female	Total	Male	Female
ALL RACES						
1988	1,007	547	460	4.1	5.0	3.4
1989	1,189	675	514	4.7	6.2	3.8
1990	1,467	820	647	5.7	7.4	4.6
1991	1,540	887	653	5.9	7.9	4.6
1992	1,617	943	674	6.1	8.2	4.6
1993	1,703	988	715	6.4	8.6	4.9
1994	1,873	1,094	779	6.9	9.3	5.2
1995	2,212	1,274	938	8.1	10.7	6.3
1996	2,582	1,435	1,147	9.2	11.7	7.5
1997	2,908	1,719	1,189	10.3	13.8	7.7
1998	3,079	1,782	1,297	10.5	13.9	8.2
1999	3,356	1,920	1,436	11.3	14.8	8.9
2000	3,600	2,092	1,508	11.9	15.7	9.1
2001	3,815	2,132	1,683	12.3	15.7	10.0
2002	3,997	2,292	1,705	12.7	16.5	10.0
2003	3,698	2,162	1,536	11.5	15.3	8.8
2004	3,964	2,259	1,705	12.1	15.7	9.6
2005	4,370	2,558	1,812	13.1	17.4	10.1
2006	4,305	2,521	1,784	12.7	16.9	9.7
2007	4,885	2,881	2,004	14.2	19.0	10.7
2008	5,072	2,972	2,100	14.4	19.1	11.0
2009	5,767	3,366	2,401	16.0	21.0	12.4
2010	5,797	3,441	2,356	15.8	21.1	11.9
2011	5,774	3,534	2,240	15.3	21.0	11.0
2012	6,280	3,748	2,532	16.1	21.5	12.0
2013	7,160	4,229	2,931	17.9	23.6	13.7
2014	8,646	5,114	3,532	21.2	27.9	16.2
ASIAN/PACIFIC ISLANDER						
1988	4	1	3	-	-	-
1989	6	3	3	-	-	-
1990	6	1	5	-	-	-
1991	7	1	6	-	-	-
1992	14	5	9	-	-	-
1993	6	3	3	-	-	-
1994	10	7	3	-	-	-
1995	14	11	3	-	-	-
1996	14	8	6	-	-	-
1997	15	8	7	0.5	-	-
1998	27	12	15	0.8	-	0.8
1999	15	3	12	0.5	-	-
2000	20	9	11	0.6	-	-
2001	22	4	18	0.6	-	0.8
2002	25	11	14	0.7	-	-
2003	14	5	9	-	-	-
2004	12	6	6	-	-	-
2005	25	12	13	0.6	-	-
2006	15	4	11	0.3	-	-
2007	26	10	16	0.6	-	0.6
2008	20	7	13	0.4	-	-
2009	19	8	11	0.4	-	-
2010	23	8	15	0.5	-	0.5
2011	26	11	15	0.5	-	0.5
2012	29	16	13	0.5	0.7	-
2013	31	14	17	0.5	-	0.5
2014	25	10	15	0.4	-	0.4

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (November 2016).

Note: Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2014, In Situ Melanoma of the Skin (continued)

Year of Diagnosis	Incidence					
	New Cases			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK						
1988	1	1	0	-	-	-
1989	4	3	1	-	-	-
1990	4	1	3	-	-	-
1991	10	1	9	-	-	-
1992	5	3	2	-	-	-
1993	7	5	2	-	-	-
1994	4	1	3	-	-	-
1995	5	1	4	-	-	-
1996	10	6	4	-	-	-
1997	11	7	4	-	-	-
1998	7	6	1	-	-	-
1999	11	6	5	-	-	-
2000	8	4	4	-	-	-
2001	12	8	4	-	-	-
2002	12	6	6	-	-	-
2003	6	2	4	-	-	-
2004	9	3	6	-	-	-
2005	4	2	2	-	-	-
2006	11	8	3	-	-	-
2007	5	0	5	-	-	-
2008	7	5	2	-	-	-
2009	8	5	3	-	-	-
2010	5	4	1	-	-	-
2011	6	3	3	-	-	-
2012	7	2	5	-	-	-
2013	5	4	1	-	-	-
2014	9	6	3	-	-	-
HISPANIC						
1988	29	10	19	0.8	-	0.8
1989	27	8	19	0.7	-	0.9
1990	64	24	40	1.8	1.9	1.9
1991	50	16	34	1.3	1.4	1.4
1992	45	13	32	1.0	-	1.2
1993	60	21	39	1.3	1.3	1.4
1994	48	14	34	1.1	-	1.4
1995	77	27	50	1.7	1.6	1.9
1996	90	36	54	2.0	1.9	2.2
1997	85	29	56	1.9	1.7	2.1
1998	89	36	53	1.9	1.9	1.9
1999	101	41	60	1.8	1.9	1.8
2000	117	35	82	2.2	1.7	2.7
2001	133	50	83	2.1	2.2	2.3
2002	141	45	96	2.3	1.8	2.8
2003	124	39	85	1.8	1.5	2.2
2004	154	65	89	2.3	2.4	2.3
2005	137	50	87	2.0	2.1	2.1
2006	137	60	77	2.0	2.2	1.9
2007	175	70	105	2.4	2.6	2.4
2008	163	65	98	2.1	2.0	2.3
2009	210	78	132	2.7	2.5	3.0
2010	183	65	118	2.3	2.1	2.5
2011	199	86	113	2.3	2.4	2.4
2012	213	84	129	2.4	2.3	2.6
2013	268	119	149	3.0	3.3	2.9
2014	276	102	174	2.8	2.7	3.1

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (November 2016).

Note: Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2014, In Situ Melanoma of the Skin (continued)

Year of Diagnosis	Incidence					
	New Cases			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE						
1988	871	477	394	5.0	6.0	4.2
1989	1,021	602	419	5.8	7.6	4.5
1990	1,212	703	509	6.7	8.7	5.3
1991	1,315	788	527	7.2	9.6	5.6
1992	1,380	835	545	7.5	10.2	5.6
1993	1,453	851	602	7.9	10.3	6.2
1994	1,627	969	658	8.9	11.7	6.8
1995	1,875	1,110	765	10.2	13.3	7.9
1996	2,169	1,236	933	11.8	14.7	9.8
1997	2,488	1,507	981	13.3	17.8	10.1
1998	2,686	1,576	1,110	14.3	18.3	11.5
1999	2,907	1,708	1,199	15.3	19.6	12.3
2000	3,159	1,898	1,261	16.5	21.6	12.8
2001	3,314	1,903	1,411	17.2	21.4	14.3
2002	3,471	2,039	1,432	17.9	22.7	14.4
2003	3,207	1,933	1,274	16.3	21.3	12.7
2004	3,444	2,005	1,439	17.5	22.0	14.4
2005	3,899	2,332	1,567	19.8	25.3	15.8
2006	3,705	2,221	1,484	18.6	23.9	14.8
2007	4,096	2,478	1,618	20.5	26.6	16.1
2008	4,312	2,583	1,729	21.2	27.3	16.7
2009	4,792	2,868	1,924	23.4	29.8	18.7
2010	4,638	2,843	1,795	22.3	29.1	17.2
2011	4,830	3,030	1,800	22.8	30.4	16.9
2012	5,257	3,221	2,036	24.3	31.6	18.6
2013	5,894	3,556	2,338	26.9	34.4	21.2
2014	6,989	4,273	2,716	31.8	40.9	24.7

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (November 2016).

Note: Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Five-Year Incidence Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2010-2014, In Situ Melanoma of the Skin

Age at Diagnosis or Death	Incidence					
	New Cases 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female
ALL RACES						
00 - 04	1	1	0	0.0	0.0	0.0
05 - 09	3	0	3	0.0	0.0	0.1
10 - 14	10	3	7	0.1	0.1	0.1
15 - 19	34	14	20	0.3	0.2	0.3
20 - 24	123	32	91	0.9	0.4	1.3
25 - 29	248	51	197	1.8	0.7	2.9
30 - 34	474	153	321	3.5	2.2	4.8
35 - 39	595	226	369	4.7	3.5	5.8
40 - 44	911	324	587	6.9	4.9	9.0
45 - 49	1,512	686	826	11.5	10.4	12.6
50 - 54	2,501	1,270	1,231	19.1	19.6	18.6
55 - 59	3,403	1,883	1,520	29.0	33.0	25.3
60 - 64	4,469	2,712	1,757	45.5	57.7	34.3
65 - 69	5,070	3,212	1,858	68.2	92.0	47.2
70 - 74	4,422	2,927	1,495	82.9	120.1	51.6
75 - 79	3,744	2,535	1,209	93.4	143.3	54.0
80 - 84	3,158	2,126	1,032	102.8	166.2	57.6
85 +	2,979	1,911	1,068	91.8	165.9	51.0
Total/Crude	33,657	20,066	13,591	17.7	21.2	14.2
ASIAN/PACIFIC ISLANDER						
00 - 04	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	0.0
10 - 14	1	0	1	0.1	0.0	0.1
15 - 19	1	0	1	0.1	0.0	0.1
20 - 24	2	1	1	0.1	0.1	0.1
25 - 29	3	0	3	0.1	0.0	0.3
30 - 34	5	3	2	0.2	0.3	0.2
35 - 39	7	2	5	0.3	0.2	0.4
40 - 44	4	2	2	0.2	0.2	0.2
45 - 49	10	1	9	0.5	0.1	0.8
50 - 54	14	6	8	0.7	0.7	0.8
55 - 59	10	4	6	0.6	0.5	0.6
60 - 64	13	6	7	0.9	0.9	0.8
65 - 69	14	6	8	1.3	1.2	1.3
70 - 74	11	3	8	1.4	0.8	1.8
75 - 79	15	8	7	2.5	3.1	2.0
80 - 84	15	12	3	3.4	6.8	1.2
85 +	9	5	4	2.2	3.3	1.6
Total/Crude	134	59	75	0.5	0.5	0.5

(Table Continues)

Five-Year Incidence Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2010-2014, In Situ Melanoma of the Skin (continued)

Age at Diagnosis or Death	Incidence					
	New Cases 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK						
00 - 04	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	0.0
10 - 14	0	0	0	0.0	0.0	0.0
15 - 19	0	0	0	0.0	0.0	0.0
20 - 24	0	0	0	0.0	0.0	0.0
25 - 29	0	0	0	0.0	0.0	0.0
30 - 34	1	0	1	0.1	0.0	0.3
35 - 39	1	0	1	0.1	0.0	0.3
40 - 44	1	0	1	0.1	0.0	0.3
45 - 49	1	1	0	0.1	0.2	0.0
50 - 54	3	0	3	0.3	0.0	0.7
55 - 59	7	2	5	0.9	0.6	1.3
60 - 64	5	4	1	0.9	1.5	0.3
65 - 69	3	3	0	0.7	1.6	0.0
70 - 74	2	2	0	0.7	1.5	0.0
75 - 79	3	2	1	1.3	2.1	0.8
80 - 84	5	5	0	3.5	9.0	0.0
85 +	0	0	0	0.0	0.0	0.0
Total/Crude	32	19	13	0.3	0.3	0.2
HISPANIC						
00 - 04	0	0	0	0.0	0.0	0.0
05 - 09	1	0	1	0.0	0.0	0.0
10 - 14	2	1	1	0.0	0.0	0.0
15 - 19	3	3	0	0.1	0.1	0.0
20 - 24	6	1	5	0.1	0.0	0.2
25 - 29	21	3	18	0.4	0.1	0.6
30 - 34	38	7	31	0.7	0.2	1.1
35 - 39	47	13	34	0.9	0.5	1.3
40 - 44	59	15	44	1.2	0.6	1.8
45 - 49	98	25	73	2.2	1.1	3.3
50 - 54	110	37	73	2.9	2.0	3.8
55 - 59	121	50	71	4.1	3.5	4.7
60 - 64	124	51	73	5.8	5.1	6.5
65 - 69	127	48	79	8.6	7.2	9.8
70 - 74	100	47	53	9.7	10.5	9.1
75 - 79	114	64	50	15.2	20.4	11.5
80 - 84	88	47	41	16.5	21.9	12.8
85 +	80	44	36	17.3	26.0	12.3
Total/Crude	1,139	456	683	1.6	1.2	1.9

(Table Continues)

Five-Year Incidence Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2010-2014, In Situ Melanoma of the Skin (continued)

Age at Diagnosis or Death	Incidence					
	New Cases 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE						
00 - 04	1	1	0	0.0	0.1	0.0
05 - 09	2	0	2	0.1	0.0	0.1
10 - 14	4	1	3	0.1	0.1	0.2
15 - 19	23	8	15	0.6	0.4	0.7
20 - 24	81	23	58	1.7	0.9	2.5
25 - 29	170	38	132	3.4	1.5	5.4
30 - 34	329	104	225	6.9	4.2	9.7
35 - 39	392	149	243	8.9	6.6	11.4
40 - 44	683	247	436	13.6	9.6	17.8
45 - 49	1,125	538	587	19.9	18.7	21.0
50 - 54	1,953	1,009	944	30.5	31.3	29.8
55 - 59	2,699	1,520	1,179	43.7	49.4	38.0
60 - 64	3,619	2,241	1,378	65.4	82.5	48.8
65 - 69	4,211	2,724	1,487	95.4	127.8	65.1
70 - 74	3,728	2,501	1,227	117.9	168.4	73.1
75 - 79	3,207	2,215	992	133.4	203.2	75.5
80 - 84	2,765	1,892	873	142.2	228.4	78.2
85 +	2,616	1,712	904	117.8	218.9	62.8
Total/Crude	27,608	16,923	10,685	35.7	44.0	27.6

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (November 2016).

Note: Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Risk (Percent) of Being Diagnosed with Invasive Cancer within the Next 10, 20, or 30 Years, or in the Remaining Lifetime, Assuming Cancer Free at Current Age, and Lifetime Risk of Being Diagnosed with or Dying of Cancer by Race/Ethnicity and Sex, Melanoma of the Skin

Current Age	Males				Females			
	10+ yrs	20+ yrs	30+ yrs	eventually	10+ yrs	20+ yrs	30+ yrs	eventually
ALL RACES								
0	0.00	0.01	0.03	3.02	0.00	0.01	0.05	1.74
25	0.04	0.14	0.38	3.06	0.07	0.20	0.41	1.73
35	0.10	0.34	0.82	3.05	0.12	0.34	0.63	1.67
45	0.24	0.73	1.54	3.01	0.22	0.51	0.89	1.56
55	0.51	1.36	2.26	2.89	0.30	0.69	1.08	1.38
65	0.93	1.92	-	2.62	0.41	0.82	-	1.14
	Lifetime Risk of Being Diagnosed = 3.02%				Lifetime Risk of Being Diagnosed = 1.74%			
	Lifetime Risk of Dying of Cancer = 0.47%				Lifetime Risk of Dying of Cancer = 0.21%			
ASIAN/PACIFIC ISLANDER								
0	0.00	0.00	0.00	0.17	0.00	0.00	0.01	0.15
25	0.00	0.01	0.02	0.17	0.01	0.01	0.03	0.14
35	0.01	0.02	0.04	0.17	0.01	0.02	0.04	0.14
45	0.01	0.03	0.07	0.17	0.02	0.03	0.06	0.13
55	0.02	0.06	0.10	0.16	0.01	0.04	0.07	0.12
65	0.04	0.08	-	0.14	0.03	0.06	-	0.11
	Lifetime Risk of Being Diagnosed = 0.17%				Lifetime Risk of Being Diagnosed = 0.15%			
	Lifetime Risk of Dying of Cancer = 0.06%				Lifetime Risk of Dying of Cancer = 0.05%			
NON-HISPANIC BLACK								
0	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.09
25	0.00	0.01	0.01	0.11	0.00	0.01	0.03	0.09
35	0.00	0.01	0.02	0.11	0.01	0.02	0.04	0.09
45	0.01	0.02	0.06	0.11	0.01	0.02	0.04	0.08
55	0.01	0.06	0.10	0.11	0.01	0.03	0.06	0.07
65	0.05	0.10	-	0.12	0.02	0.05	-	0.07
	Lifetime Risk of Being Diagnosed = 0.11%				Lifetime Risk of Being Diagnosed = 0.09%			
	Lifetime Risk of Dying of Cancer = 0.04%				Lifetime Risk of Dying of Cancer = 0.03%			
HISPANIC								
0	0.00	0.00	0.01	0.57	0.00	0.00	0.01	0.51
25	0.01	0.02	0.06	0.58	0.02	0.05	0.11	0.51
35	0.02	0.05	0.13	0.58	0.04	0.09	0.18	0.49
45	0.04	0.12	0.25	0.57	0.06	0.14	0.25	0.46
55	0.08	0.22	0.38	0.55	0.09	0.20	0.30	0.41
65	0.15	0.33	-	0.51	0.12	0.22	-	0.34
	Lifetime Risk of Being Diagnosed = 0.57%				Lifetime Risk of Being Diagnosed = 0.51%			
	Lifetime Risk of Dying of Cancer = 0.16%				Lifetime Risk of Dying of Cancer = 0.11%			
NON-HISPANIC WHITE								
0	0.00	0.02	0.07	4.38	0.00	0.02	0.12	2.65
25	0.10	0.30	0.71	4.41	0.16	0.41	0.78	2.62
35	0.21	0.62	1.35	4.37	0.26	0.63	1.07	2.47
45	0.42	1.17	2.34	4.25	0.38	0.83	1.38	2.25
55	0.79	2.01	3.27	4.02	0.47	1.03	1.58	1.93
65	1.36	2.76	-	3.59	0.60	1.19	-	1.56
	Lifetime Risk of Being Diagnosed = 4.38%				Lifetime Risk of Being Diagnosed = 2.65%			
	Lifetime Risk of Dying of Cancer = 0.67%				Lifetime Risk of Dying of Cancer = 0.30%			

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.
 Source: California Cancer Registry (November 2016) and CDPH Center for Health Statistics Death Master Files.
 Note: Based on average annual age-specific cancer incidence and mortality rates in California, 2010-2014.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.