

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2015, Invasive Breast Cancer

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	17,034	102	16,932	72.1	1.1	130.7	4,145	24	4,121	17.8	0.3	31.7
1989	16,592	97	16,495	68.8	1.0	124.9	4,279	21	4,258	18.1	0.2	32.3
1990	17,418	133	17,285	70.8	1.2	128.6	4,310	18	4,292	17.8	0.2	31.8
1991	17,630	91	17,539	70.3	0.9	128.2	4,319	24	4,295	17.6	0.2	31.4
1992	18,357	110	18,247	71.6	1.0	130.4	4,141	25	4,116	16.5	0.2	29.4
1993	17,990	121	17,869	69.1	1.1	126.0	4,339	29	4,310	16.9	0.3	30.2
1994	18,320	124	18,196	69.3	1.1	126.7	4,441	37	4,404	17.1	0.3	30.4
1995	18,915	98	18,817	70.4	0.8	129.1	4,276	35	4,241	16.2	0.3	28.8
1996	19,695	113	19,582	72.0	1.0	132.4	4,332	37	4,295	16.0	0.3	28.7
1997	20,246	123	20,123	72.2	1.1	132.5	4,123	33	4,090	14.9	0.3	26.7
1998	21,162	124	21,038	73.5	1.0	135.4	4,125	30	4,095	14.5	0.3	26.1
1999	21,928	131	21,797	74.2	1.0	136.6	4,065	26	4,039	14.0	0.2	25.0
2000	21,972	146	21,826	72.6	1.1	133.8	4,263	40	4,223	14.3	0.3	25.6
2001	22,284	155	22,129	71.9	1.2	132.7	4,220	35	4,185	13.8	0.3	24.8
2002	22,476	111	22,365	70.9	0.8	131.2	4,154	38	4,116	13.4	0.3	23.9
2003	21,282	130	21,152	65.4	0.9	121.4	4,216	32	4,184	13.2	0.2	23.8
2004	21,356	118	21,238	64.3	0.9	119.6	4,238	28	4,210	13.0	0.2	23.5
2005	22,107	138	21,969	65.4	0.9	121.5	4,186	28	4,158	12.6	0.2	22.8
2006	22,250	165	22,085	64.9	1.1	120.7	4,197	35	4,162	12.4	0.3	22.4
2007	23,251	138	23,113	66.4	1.0	123.8	4,237	31	4,206	12.3	0.2	22.2
2008	24,032	152	23,880	67.1	1.0	125.4	4,215	27	4,188	11.9	0.2	21.5
2009	24,116	170	23,946	66.0	1.1	123.3	4,412	26	4,386	12.2	0.2	22.1
2010	23,817	167	23,650	63.6	1.0	119.0	4,252	27	4,225	11.4	0.2	20.6
2011	24,921	179	24,742	65.2	1.1	122.1	4,282	36	4,246	11.3	0.2	20.5
2012	25,320	161	25,159	64.6	0.9	121.2	4,493	29	4,464	11.5	0.2	21.0
2013	25,833	174	25,659	64.5	1.0	121.2	4,407	46	4,361	11.0	0.3	20.0
2014	25,900	182	25,718	63.2	1.0	118.9	4,460	33	4,427	10.9	0.2	19.9
2015	26,715	201	26,514	63.6	1.0	119.8	4,485	44	4,441	10.6	0.2	19.4
ASIAN/PACIFIC ISLANDER												
1988	731	2	729	41.2	-	76.3	125	0	125	7.3	-	13.5
1989	765	0	765	39.8	-	73.9	166	1	165	9.0	-	16.6
1990	910	4	906	43.9	-	81.3	164	0	164	8.5	-	15.8
1991	870	3	867	38.8	-	71.8	196	1	195	9.6	-	17.5
1992	1,044	10	1,034	45.5	-	83.0	145	1	144	6.6	-	11.9
1993	1,036	8	1,028	41.7	-	76.0	179	2	177	7.6	-	13.7
1994	1,121	4	1,117	42.2	-	77.3	212	0	212	9.0	-	16.4
1995	1,253	3	1,250	44.9	-	82.2	225	1	224	8.2	-	14.9
1996	1,393	6	1,387	47.4	-	86.6	202	1	201	7.5	-	13.5
1997	1,522	8	1,514	49.1	-	89.6	222	1	221	7.5	-	13.6
1998	1,632	6	1,626	49.2	-	89.9	256	0	256	8.0	-	14.7
1999	1,766	11	1,755	50.9	-	92.6	238	1	237	7.2	-	13.1
2000	1,812	3	1,809	49.6	-	90.7	264	2	262	7.5	-	13.5
2001	1,892	11	1,881	49.6	-	90.1	302	2	300	8.4	-	15.0
2002	2,105	9	2,096	52.6	-	95.5	313	4	309	8.3	-	14.7
2003	2,031	8	2,023	48.5	-	88.0	318	1	317	7.9	-	14.2
2004	2,244	4	2,240	51.1	-	93.0	347	1	346	8.2	-	14.7
2005	2,351	10	2,341	51.6	-	93.6	347	2	345	8.0	-	14.3
2006	2,403	20	2,383	50.8	1.0	91.6	348	2	346	7.6	-	13.6
2007	2,587	8	2,579	52.7	-	95.4	349	1	348	7.4	-	13.2
2008	2,854	12	2,842	55.9	-	101.0	373	2	371	7.4	-	13.2
2009	2,785	21	2,764	52.6	0.9	94.9	383	0	383	7.4	-	13.3
2010	2,963	16	2,947	53.7	0.7	97.0	427	3	424	7.9	-	14.0
2011	3,099	5	3,094	54.4	-	98.7	420	4	416	7.4	-	13.2
2012	3,248	15	3,233	54.5	0.6	98.5	437	3	434	7.5	-	13.3
2013	3,431	13	3,418	55.5	-	100.7	434	6	428	7.2	-	12.6
2014	3,446	15	3,431	53.7	0.5	97.2	472	2	470	7.3	-	13.0
2015	3,772	21	3,751	56.3	0.7	101.9	514	1	513	7.7	-	13.7

(Table Continues)

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

Source: California Cancer Registry (January 2018) 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.

Excludes cases reported by the Department of Veterans Affairs.

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, 1988-2015, Invasive Breast Cancer (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	966	8	958	70.5	-	124.8	306	2	304	21.9	-	39.1
1989	891	8	883	62.9	-	111.8	309	2	307	22.7	-	40.0
1990	972	7	965	67.6	-	119.9	328	0	328	24.0	-	42.1
1991	989	6	983	66.6	-	119.2	307	0	307	21.8	-	38.5
1992	1,031	2	1,029	68.4	-	122.1	321	2	319	22.4	-	39.1
1993	1,037	9	1,028	65.9	-	118.4	311	3	308	21.1	-	36.8
1994	1,086	9	1,077	69.0	-	123.2	339	3	336	22.5	-	39.5
1995	1,102	7	1,095	69.7	-	123.7	350	3	347	22.8	-	39.9
1996	1,151	10	1,141	70.6	-	126.0	355	4	351	21.6	-	38.5
1997	1,188	12	1,176	71.7	-	127.1	353	5	348	21.7	-	37.9
1998	1,201	7	1,194	70.4	-	126.0	338	2	336	20.0	-	35.6
1999	1,303	12	1,291	72.5	-	130.8	312	4	308	18.3	-	32.0
2000	1,325	15	1,310	72.6	2.0	130.2	361	5	356	20.5	-	35.9
2001	1,306	13	1,293	70.6	-	126.2	355	4	351	19.4	-	34.3
2002	1,331	12	1,319	69.5	-	125.6	342	1	341	19.0	-	33.4
2003	1,320	10	1,310	68.1	-	122.5	358	4	354	18.9	-	33.5
2004	1,413	8	1,405	70.9	-	128.6	389	4	385	20.3	-	35.9
2005	1,401	8	1,393	69.2	-	125.4	382	2	380	19.7	-	35.0
2006	1,424	12	1,412	69.0	-	125.1	355	5	350	18.0	-	31.5
2007	1,544	15	1,529	74.5	1.9	134.6	394	2	392	19.8	-	35.2
2008	1,516	9	1,507	71.8	-	130.6	368	4	364	17.9	-	31.8
2009	1,557	10	1,547	71.5	-	130.9	403	2	401	19.1	-	34.0
2010	1,513	11	1,502	68.4	-	125.1	398	3	395	18.1	-	32.6
2011	1,655	12	1,643	72.8	-	133.2	402	4	398	18.6	-	33.1
2012	1,634	20	1,614	70.1	2.2	128.2	392	4	388	17.7	-	31.5
2013	1,643	15	1,628	70.0	1.3	128.1	389	11	378	17.0	-	29.9
2014	1,725	20	1,705	71.1	1.8	130.2	402	5	397	17.0	-	30.4
2015	1,684	9	1,675	68.4	-	126.2	427	7	420	17.7	-	31.7
HISPANIC												
1988	1,519	10	1,509	47.0	-	86.2	344	0	344	10.7	-	19.8
1989	1,589	7	1,582	45.8	-	84.7	399	1	398	12.6	-	23.0
1990	1,621	6	1,615	45.8	-	83.7	409	1	408	12.0	-	21.7
1991	1,748	6	1,742	46.7	-	85.5	379	2	377	10.5	-	19.1
1992	1,862	10	1,852	47.4	-	86.5	432	1	431	12.1	-	21.8
1993	1,840	8	1,832	45.1	-	82.6	449	0	449	11.8	-	21.4
1994	1,946	11	1,935	45.8	-	84.0	460	2	458	11.7	-	21.1
1995	2,033	4	2,029	46.1	-	84.8	450	4	446	11.5	-	20.3
1996	2,164	6	2,158	47.5	-	87.2	514	5	509	12.2	-	21.7
1997	2,286	7	2,279	47.6	-	87.4	500	0	500	11.2	-	20.3
1998	2,502	13	2,489	49.9	-	91.4	522	3	519	11.1	-	19.9
1999	2,651	15	2,636	50.3	0.9	91.9	518	2	516	10.8	-	19.3
2000	2,760	7	2,753	48.8	-	89.9	524	7	517	10.2	-	18.1
2001	2,875	10	2,865	47.9	-	88.3	590	3	587	11.0	-	19.7
2002	3,014	13	3,001	48.7	-	89.4	564	5	559	10.0	-	17.9
2003	3,117	13	3,104	47.2	-	87.1	629	3	626	10.5	-	18.9
2004	3,155	8	3,147	45.3	-	83.8	630	4	626	10.3	-	18.4
2005	3,445	15	3,430	47.7	0.6	88.0	596	1	595	9.2	-	16.6
2006	3,529	22	3,507	46.8	0.8	86.4	633	4	629	9.2	-	16.5
2007	3,795	14	3,781	48.3	-	89.3	691	4	687	9.8	-	17.6
2008	4,053	9	4,044	49.1	-	91.3	682	2	680	9.5	-	17.0
2009	4,134	18	4,116	47.8	0.5	88.8	772	4	768	10.0	-	18.0
2010	4,128	16	4,112	45.8	0.5	85.1	707	3	704	8.8	-	15.9
2011	4,614	22	4,592	48.8	0.6	90.8	745	7	738	8.9	-	16.0
2012	4,674	14	4,660	47.1	-	88.2	795	2	793	8.8	-	16.1
2013	4,996	21	4,975	48.6	0.7	90.8	879	4	875	9.5	-	17.2
2014	5,006	28	4,978	46.8	0.7	87.6	875	7	868	8.8	-	16.0
2015	5,292	25	5,267	47.0	0.6	88.6	830	8	822	8.0	-	14.5

(Table Continues)

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Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2015, Invasive Breast Cancer (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 WHITE												
1988	13,698	82	13,616	79.1	1.1	144.1	3,360	22	3,338	19.4	0.3	34.7
1989	13,215	81	13,134	75.6	1.1	137.7	3,392	17	3,375	19.4	0.2	34.7
1990	13,789	114	13,675	77.8	1.4	142.1	3,401	16	3,385	19.2	0.2	34.3
1991	13,901	74	13,827	77.9	0.9	142.9	3,427	21	3,406	19.2	0.3	34.2
1992	14,281	86	14,195	79.1	1.0	145.0	3,229	21	3,208	17.8	0.3	31.9
1993	13,916	92	13,824	76.7	1.2	140.9	3,393	24	3,369	18.5	0.3	33.2
1994	14,032	98	13,934	77.3	1.2	142.6	3,417	32	3,385	18.6	0.4	33.2
1995	14,355	83	14,272	78.6	1.0	145.2	3,235	27	3,208	17.5	0.3	31.4
1996	14,806	90	14,716	80.7	1.1	149.7	3,251	27	3,224	17.4	0.3	31.3
1997	15,079	95	14,984	80.7	1.1	149.8	3,033	27	3,006	16.0	0.3	28.9
1998	15,627	95	15,532	82.6	1.1	153.9	2,997	25	2,972	15.6	0.3	28.2
1999	16,072	91	15,981	83.7	1.1	156.1	2,983	19	2,964	15.2	0.2	27.3
2000	15,938	119	15,819	82.2	1.4	153.2	3,100	26	3,074	15.6	0.3	28.2
2001	16,022	121	15,901	81.9	1.4	153.3	2,960	26	2,934	14.8	0.3	26.7
2002	15,853	75	15,778	80.2	0.8	150.6	2,924	28	2,896	14.5	0.3	26.1
2003	14,648	98	14,550	73.6	1.1	138.4	2,883	24	2,859	14.1	0.3	25.6
2004	14,383	98	14,285	72.0	1.1	135.7	2,856	19	2,837	13.9	0.2	25.2
2005	14,735	105	14,630	73.4	1.1	138.4	2,844	23	2,821	13.7	0.2	25.0
2006	14,665	111	14,554	73.2	1.2	138.4	2,841	23	2,818	13.6	0.3	24.8
2007	15,087	99	14,988	74.7	1.1	141.6	2,783	22	2,761	13.2	0.2	24.0
2008	15,351	120	15,231	75.4	1.3	143.2	2,780	19	2,761	13.0	0.2	23.9
2009	15,417	119	15,298	75.3	1.2	143.2	2,833	20	2,813	13.2	0.2	24.4
2010	14,937	121	14,816	72.2	1.2	137.3	2,701	18	2,683	12.3	0.2	22.5
2011	15,246	140	15,106	73.5	1.4	140.1	2,683	21	2,662	12.2	0.2	22.5
2012	15,381	108	15,273	73.2	1.0	140.1	2,835	19	2,816	12.7	0.2	23.5
2013	15,359	121	15,238	72.4	1.2	138.7	2,686	25	2,661	11.9	0.2	21.9
2014	15,341	116	15,225	71.9	1.1	137.9	2,674	18	2,656	11.8	0.2	21.9
2015	15,522	144	15,378	72.0	1.3	138.2	2,689	27	2,662	11.6	0.3	21.4

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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, 2011-2015, Invasive Breast Cancer

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2011-2015			Annual Rate			Deaths 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
ALL RACES												
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	2	0	2	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
15 - 19	10	0	10	0.1	0.0	0.2	0	0	0	0.0	0.0	0.0
20 - 24	108	2	106	0.7	0.0	1.5	7	0	7	0.1	0.0	0.1
25 - 29	645	0	645	4.5	0.0	9.3	45	0	45	0.3	0.0	0.7
30 - 34	1,786	4	1,782	13.0	0.1	26.4	156	1	155	1.1	0.0	2.3
35 - 39	3,648	7	3,641	28.6	0.1	57.3	414	2	412	3.2	0.0	6.5
40 - 44	7,794	12	7,782	59.5	0.2	118.8	806	2	804	6.2	0.0	12.3
45 - 49	11,864	37	11,827	90.9	0.6	181.4	1,256	10	1,246	9.6	0.2	19.1
50 - 54	14,573	56	14,517	110.6	0.9	218.2	1,927	7	1,920	14.6	0.1	28.9
55 - 59	15,745	86	15,659	131.1	1.5	254.3	2,365	14	2,351	19.7	0.2	38.2
60 - 64	17,334	114	17,220	171.6	2.4	326.9	2,685	21	2,664	26.6	0.4	50.6
65 - 69	17,411	156	17,255	221.5	4.2	414.5	2,485	32	2,453	31.6	0.9	58.9
70 - 74	13,559	131	13,428	243.1	5.1	443.7	2,217	28	2,189	39.8	1.1	72.3
75 - 79	9,812	108	9,704	238.6	5.9	423.2	2,177	22	2,155	53.0	1.2	94.0
80 - 84	7,117	110	7,007	229.9	8.5	389.9	1,995	23	1,972	64.5	1.8	109.7
85 +	7,281	74	7,207	218.0	6.2	335.7	3,592	26	3,566	107.6	2.2	166.1
Total/Crude	128,689	897	127,792	64.2	1.0	120.6	22,127	188	21,939	11.5	0.2	22.7
ASIAN/PACIFIC ISLANDER												
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	10	1	9	0.5	0.1	0.9	0	0	0	0.0	0.0	0.0
25 - 29	97	0	97	4.4	0.0	8.6	5	0	5	0.2	0.0	0.5
30 - 34	315	0	315	14.3	0.0	27.0	17	0	17	0.8	0.0	1.5
35 - 39	717	1	716	33.2	0.1	62.1	59	0	59	2.7	0.0	5.1
40 - 44	1,511	1	1,510	68.6	0.1	127.4	126	1	125	5.7	0.1	10.5
45 - 49	2,069	5	2,064	101.4	0.5	188.8	185	0	185	9.1	0.0	16.9
50 - 54	2,246	5	2,241	113.1	0.5	209.4	258	1	257	13.0	0.1	24.0
55 - 59	2,257	8	2,249	122.7	1.0	223.6	299	3	296	16.3	0.4	29.4
60 - 64	2,296	11	2,285	145.9	1.6	263.3	331	1	330	21.0	0.1	38.0
65 - 69	2,025	7	2,018	172.2	1.3	310.5	242	2	240	20.6	0.4	36.9
70 - 74	1,435	12	1,423	169.9	3.2	302.9	201	3	198	23.8	0.8	42.1
75 - 79	905	11	894	141.3	4.0	244.5	183	3	180	28.6	1.1	49.2
80 - 84	607	5	602	132.7	2.7	221.1	144	0	144	31.5	0.0	52.9
85 +	506	2	504	114.3	1.2	180.9	227	2	225	51.3	1.2	80.8
Total/Crude	16,996	69	16,927	54.9	0.5	99.4	2,277	16	2,261	8.1	0.1	15.3

(Table Continues)

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

Source: California Cancer Registry (January 2018) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified. Excludes cases reported by the Department of Veterans Affairs.

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, 2011-2015, Invasive Breast Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2011-2015			Annual Rate			Deaths 2011-2015			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	2	0	2	0.2	0.0	0.5	0	0	0	0.0	0.0	0.0
15 - 19	1	0	1	0.1	0.0	0.2	0	0	0	0.0	0.0	0.0
20 - 24	10	0	10	1.0	0.0	2.0	3	0	3	0.3	0.0	0.6
25 - 29	71	0	71	7.7	0.0	15.8	8	0	8	0.9	0.0	1.8
30 - 34	143	1	142	17.4	0.2	35.3	28	0	28	3.4	0.0	7.0
35 - 39	241	2	239	32.4	0.5	64.3	58	1	57	7.8	0.3	15.3
40 - 44	456	1	455	57.9	0.3	115.4	96	0	96	12.2	0.0	24.3
45 - 49	804	8	796	94.7	1.9	186.5	154	4	150	18.1	1.0	35.2
50 - 54	1,086	8	1,078	122.2	1.8	239.7	226	1	225	25.4	0.2	50.0
55 - 59	1,144	12	1,132	147.3	3.2	283.7	260	2	258	33.5	0.5	64.7
60 - 64	1,145	7	1,138	188.6	2.5	352.5	259	6	253	42.7	2.1	78.4
65 - 69	1,020	11	1,009	233.6	5.6	420.2	222	7	215	50.9	3.6	89.5
70 - 74	797	11	786	252.8	8.0	440.7	161	3	158	51.1	2.2	88.6
75 - 79	647	6	641	278.3	6.0	481.9	171	2	169	73.6	2.0	127.1
80 - 84	377	5	372	253.1	8.6	408.6	157	4	153	105.4	6.9	168.1
85 +	397	4	393	272.6	8.6	396.3	209	1	208	143.5	2.2	209.7
Total/Crude	8,341	76	8,265	70.4	1.5	129.1	2,012	31	1,981	16.7	0.5	32.6
HISPANIC												
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	4	0	4	0.1	0.0	0.1	0	0	0	0.0	0.0	0.0
20 - 24	48	1	47	0.7	0.0	1.5	3	0	3	0.1	0.0	0.1
25 - 29	221	0	221	3.7	0.0	7.7	20	0	20	0.3	0.0	0.7
30 - 34	611	2	609	10.6	0.1	21.9	59	1	58	1.0	0.0	2.1
35 - 39	1,242	2	1,240	23.0	0.1	46.5	170	0	170	3.1	0.0	6.4
40 - 44	2,371	3	2,368	45.8	0.1	92.5	282	1	281	5.5	0.0	11.0
45 - 49	3,228	7	3,221	69.7	0.3	141.4	377	2	375	8.1	0.1	16.5
50 - 54	3,343	8	3,335	85.0	0.4	169.0	502	2	500	12.8	0.1	25.3
55 - 59	3,176	8	3,168	102.1	0.5	198.2	529	2	527	17.0	0.1	33.0
60 - 64	2,975	15	2,960	131.4	1.4	248.0	514	2	512	22.7	0.2	42.9
65 - 69	2,709	18	2,691	171.7	2.5	313.9	411	7	404	26.0	1.0	47.1
70 - 74	1,836	14	1,822	169.7	3.0	298.2	341	3	338	31.5	0.6	55.3
75 - 79	1,247	14	1,233	160.1	4.3	272.8	314	1	313	40.3	0.3	69.3
80 - 84	877	9	868	158.7	4.0	262.7	242	2	240	43.8	0.9	72.7
85 +	694	9	685	138.3	4.9	215.5	360	5	355	71.7	2.7	111.7
Total/Crude	24,582	110	24,472	47.6	0.6	89.1	4,124	28	4,096	5.6	0.1	11.2

(Table Continues)

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

Source: California Cancer Registry (January 2018) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified. Excludes cases reported by the Department of Veterans Affairs.

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, 2011-2015, Invasive Breast Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2011-2015			Annual Rate			Deaths 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE												
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	5	0	5	0.1	0.0	0.3	0	0	0	0.0	0.0	0.0
20 - 24	40	0	40	0.8	0.0	1.7	1	0	1	0.0	0.0	0.0
25 - 29	246	0	246	4.8	0.0	10.0	11	0	11	0.2	0.0	0.5
30 - 34	680	1	679	13.9	0.0	28.8	51	0	51	1.0	0.0	2.2
35 - 39	1,392	2	1,390	31.6	0.1	65.3	124	1	123	2.8	0.0	5.8
40 - 44	3,349	7	3,342	68.7	0.3	140.5	294	0	294	6.0	0.0	12.4
45 - 49	5,589	17	5,572	102.4	0.6	207.4	530	4	526	9.7	0.1	19.6
50 - 54	7,679	35	7,644	122.1	1.1	245.3	927	3	924	14.7	0.1	29.7
55 - 59	8,947	58	8,889	144.0	1.9	285.6	1,258	7	1,251	20.3	0.2	40.2
60 - 64	10,633	80	10,553	190.1	2.9	370.3	1,556	12	1,544	27.8	0.4	54.2
65 - 69	11,384	115	11,269	246.2	5.1	471.4	1,592	15	1,577	34.4	0.7	66.0
70 - 74	9,293	92	9,201	281.2	5.9	525.5	1,493	17	1,476	45.2	1.1	84.3
75 - 79	6,885	77	6,808	282.1	6.9	511.3	1,496	16	1,480	61.3	1.4	111.2
80 - 84	5,157	88	5,069	268.1	10.6	462.4	1,444	17	1,427	75.1	2.1	130.2
85 +	5,570	57	5,513	248.9	7.2	381.8	2,790	18	2,772	124.7	2.3	192.0
Total/Crude	76,849	629	76,220	72.6	1.2	139.0	13,567	110	13,457	17.6	0.3	34.8

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

Source: California Cancer Registry (January 2018) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified. Excludes cases reported by the Department of Veterans Affairs. 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, 1988-2015, In Situ Breast Cancer

Year of Diagnosis	Incidence					
	New Cases			Annual Rate		
	Total	Male	Female	Total	Male	Female
ALL RACES						
1988	2,016	5	2,011	8.5	-	16.0
1989	1,970	7	1,963	8.2	-	15.3
1990	2,291	4	2,287	9.3	-	17.4
1991	2,562	14	2,548	10.2	-	19.1
1992	2,676	8	2,668	10.4	-	19.5
1993	2,543	6	2,537	9.8	-	18.2
1994	2,760	8	2,752	10.4	-	19.5
1995	3,006	21	2,985	11.2	0.2	20.8
1996	3,246	16	3,230	11.8	0.1	22.2
1997	3,529	17	3,512	12.5	0.1	23.5
1998	3,899	12	3,887	13.5	-	25.3
1999	4,220	20	4,200	14.2	0.1	26.6
2000	4,355	19	4,336	14.3	0.1	26.8
2001	4,558	14	4,544	14.6	-	27.4
2002	4,616	12	4,604	14.4	-	27.2
2003	4,549	13	4,536	13.9	-	26.1
2004	4,744	16	4,728	14.1	0.1	26.7
2005	5,001	21	4,980	14.6	0.1	27.6
2006	5,089	16	5,073	14.6	0.1	27.7
2007	5,351	25	5,326	15.1	0.2	28.6
2008	5,721	14	5,707	15.8	-	30.1
2009	5,962	22	5,940	16.1	0.1	30.6
2010	5,501	17	5,484	14.5	0.1	27.6
2011	5,729	12	5,717	14.8	-	28.2
2012	5,856	17	5,839	14.8	0.1	28.2
2013	6,126	14	6,112	15.2	-	29.0
2014	6,072	24	6,048	14.6	0.1	27.9
2015	6,097	27	6,070	14.4	0.1	27.4
ASIAN/PACIFIC ISLANDER						
1988	83	0	83	4.4	-	8.3
1989	94	1	93	5.0	-	9.2
1990	127	0	127	6.2	-	11.6
1991	149	0	149	6.6	-	12.2
1992	142	1	141	5.9	-	10.8
1993	160	0	160	6.3	-	11.7
1994	211	1	210	7.8	-	14.2
1995	235	1	234	8.5	-	15.5
1996	277	0	277	9.3	-	17.1
1997	309	3	306	9.8	-	17.8
1998	337	0	337	10.1	-	18.6
1999	413	0	413	11.7	-	21.5
2000	479	1	478	13.1	-	23.9
2001	514	1	513	13.2	-	24.1
2002	587	1	586	14.6	-	26.6
2003	546	3	543	13.0	-	23.6
2004	576	2	574	12.9	-	23.5
2005	627	6	621	13.7	-	24.7
2006	688	0	688	14.4	-	26.3
2007	776	2	774	15.6	-	28.4
2008	853	0	853	16.5	-	30.0
2009	932	1	931	17.4	-	31.7
2010	914	1	913	16.4	-	29.9
2011	944	0	944	16.2	-	29.7
2012	1,033	1	1,032	17.3	-	31.6
2013	1,072	2	1,070	17.1	-	31.1
2014	1,105	0	1,105	16.9	-	30.9
2015	1,148	4	1,144	16.9	-	30.8

(Table Continues)

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

Source: California Cancer Registry (January 2018).

Note: Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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, 1988-2015, In Situ Breast Cancer (continued)

Year of Diagnosis	Incidence					
	New Cases			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK						
1988	89	0	89	6.6	-	11.9
1989	100	2	98	7.2	-	12.6
1990	107	0	107	7.4	-	13.3
1991	134	1	133	9.3	-	16.5
1992	132	1	131	8.7	-	15.6
1993	135	1	134	8.9	-	16.0
1994	162	0	162	10.7	-	19.2
1995	174	2	172	11.1	-	19.8
1996	177	0	177	10.9	-	19.7
1997	208	2	206	12.5	-	22.3
1998	203	1	202	11.8	-	21.2
1999	241	3	238	13.7	-	24.6
2000	248	1	247	13.7	-	24.7
2001	226	1	225	12.2	-	22.1
2002	238	1	237	12.2	-	22.5
2003	271	2	269	13.9	-	25.2
2004	314	2	312	15.5	-	28.3
2005	307	2	305	14.8	-	27.0
2006	309	2	307	14.6	-	26.8
2007	343	4	339	16.2	-	29.4
2008	340	1	339	16.2	-	29.5
2009	361	0	361	16.2	-	30.1
2010	341	1	340	14.8	-	27.6
2011	368	2	366	15.9	-	29.2
2012	416	3	413	17.4	-	32.3
2013	416	1	415	17.1	-	31.9
2014	399	1	398	15.7	-	29.2
2015	412	3	409	16.6	-	30.7
HISPANIC						
1988	136	0	136	3.8	-	7.3
1989	136	0	136	3.7	-	7.0
1990	191	0	191	5.2	-	9.8
1991	211	2	209	5.6	-	10.4
1992	232	3	229	5.7	-	10.5
1993	231	0	231	5.8	-	10.7
1994	255	0	255	6.1	-	11.2
1995	246	2	244	5.6	-	10.3
1996	288	0	288	6.2	-	11.5
1997	329	1	328	7.1	-	13.1
1998	440	4	436	8.8	-	16.2
1999	442	1	441	8.4	-	15.5
2000	482	0	482	8.7	-	16.0
2001	540	3	537	9.1	-	16.9
2002	569	1	568	9.1	-	16.9
2003	636	2	634	9.5	-	17.7
2004	641	0	641	9.2	-	17.1
2005	774	1	773	10.7	-	20.0
2006	773	2	771	10.0	-	18.7
2007	821	3	818	10.3	-	19.3
2008	873	2	871	10.3	-	19.4
2009	908	1	907	10.2	-	19.2
2010	867	1	866	9.6	-	17.9
2011	940	2	938	9.8	-	18.5
2012	1,081	5	1,076	10.7	-	20.1
2013	1,174	3	1,171	11.2	-	21.1
2014	1,198	4	1,194	10.7	-	20.4
2015	1,217	3	1,214	10.7	-	20.2

(Table Continues)

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

Source: California Cancer Registry (January 2018).

Note: Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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, 1988-2015, In Situ Breast Cancer (continued)

Year of Diagnosis	Incidence					
	New Cases			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE						
1988	1,686	5	1,681	10.0	-	18.9
1989	1,620	4	1,616	9.5	-	17.9
1990	1,833	4	1,829	10.6	-	20.1
1991	2,040	11	2,029	11.7	-	22.0
1992	2,117	3	2,114	12.0	-	22.7
1993	1,973	5	1,968	11.0	-	20.8
1994	2,095	5	2,090	11.7	-	22.1
1995	2,301	16	2,285	12.8	0.2	24.1
1996	2,439	15	2,424	13.5	0.2	25.7
1997	2,626	11	2,615	14.3	-	27.2
1998	2,853	6	2,847	15.3	-	29.0
1999	3,073	16	3,057	16.2	0.2	30.8
2000	3,094	17	3,077	16.1	0.2	30.6
2001	3,228	9	3,219	16.7	-	31.8
2002	3,175	9	3,166	16.2	-	31.0
2003	3,046	5	3,041	15.4	-	29.5
2004	3,155	12	3,143	15.8	-	30.4
2005	3,238	11	3,227	16.2	-	31.1
2006	3,251	12	3,239	16.3	-	31.4
2007	3,341	16	3,325	16.8	0.2	32.4
2008	3,577	11	3,566	17.9	-	34.6
2009	3,674	19	3,655	18.2	0.2	35.2
2010	3,309	12	3,297	16.2	-	31.5
2011	3,371	6	3,365	16.4	-	32.0
2012	3,226	8	3,218	15.6	-	30.4
2013	3,346	8	3,338	16.2	-	31.6
2014	3,255	17	3,238	15.6	0.2	30.5
2015	3,192	16	3,176	15.0	0.2	29.3

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

Source: California Cancer Registry (January 2018).

Note: Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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, 2011-2015, In Situ Breast Cancer

Age at Diagnosis or Death	Incidence					
	New Cases 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female
ALL RACES						
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	3	2	1	0.0	0.0	0.0
20 - 24	11	0	11	0.1	0.0	0.2
25 - 29	49	2	47	0.3	0.0	0.7
30 - 34	144	1	143	1.0	0.0	2.1
35 - 39	501	0	501	3.9	0.0	7.9
40 - 44	2,226	2	2,224	17.0	0.0	33.9
45 - 49	3,547	8	3,539	27.2	0.1	54.3
50 - 54	4,247	6	4,241	32.2	0.1	63.7
55 - 59	4,143	15	4,128	34.5	0.3	67.0
60 - 64	4,184	15	4,169	41.4	0.3	79.1
65 - 69	4,332	14	4,318	55.1	0.4	103.7
70 - 74	2,970	13	2,957	53.3	0.5	97.7
75 - 79	1,804	8	1,796	43.9	0.4	78.3
80 - 84	1,122	8	1,114	36.2	0.6	62.0
85 +	597	0	597	17.9	0.0	27.8
Total/Crude	29,880	94	29,786	14.8	0.1	28.2
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	0	0	0	0.0	0.0	0.0
15 - 19	0	0	0	0.0	0.0	0.0
20 - 24	3	0	3	0.2	0.0	0.3
25 - 29	11	0	11	0.5	0.0	1.0
30 - 34	27	0	27	1.2	0.0	2.3
35 - 39	110	0	110	5.1	0.0	9.5
40 - 44	515	0	515	23.4	0.0	43.4
45 - 49	754	0	754	36.9	0.0	69.0
50 - 54	793	0	793	39.9	0.0	74.1
55 - 59	749	0	749	40.7	0.0	74.5
60 - 64	733	3	730	46.6	0.4	84.1
65 - 69	746	2	744	63.4	0.4	114.5
70 - 74	437	2	435	51.7	0.5	92.6
75 - 79	225	0	225	35.1	0.0	61.5
80 - 84	142	0	142	31.0	0.0	52.2
85 +	57	0	57	12.9	0.0	20.5
Total/Crude	5,302	7	5,295	16.9	0.0	30.8

(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, 2011-2015, In Situ Breast Cancer (continued)

Age at Diagnosis or Death	Incidence					
	New Cases 2011-2015			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	4	0	4	0.4	0.0	0.9
30 - 34	6	0	6	0.7	0.0	1.5
35 - 39	32	0	32	4.3	0.0	8.6
40 - 44	112	1	111	14.2	0.3	28.1
45 - 49	185	1	184	21.8	0.2	43.1
50 - 54	275	1	274	30.9	0.2	60.9
55 - 59	309	3	306	39.8	0.8	76.7
60 - 64	324	0	324	53.4	0.0	100.4
65 - 69	280	1	279	64.1	0.5	116.2
70 - 74	235	1	234	74.5	0.7	131.2
75 - 79	154	1	153	66.2	1.0	115.0
80 - 84	61	1	60	40.9	1.7	65.9
85 +	34	0	34	23.3	0.0	34.3
Total/Crude	2,011	10	2,001	16.6	0.2	30.7
HISPANIC						
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	3	2	1	0.0	0.1	0.0
20 - 24	4	0	4	0.1	0.0	0.1
25 - 29	13	0	13	0.2	0.0	0.5
30 - 34	43	0	43	0.7	0.0	1.5
35 - 39	145	0	145	2.7	0.0	5.4
40 - 44	593	0	593	11.5	0.0	23.2
45 - 49	860	5	855	18.6	0.2	37.5
50 - 54	915	0	915	23.3	0.0	46.4
55 - 59	806	3	803	25.9	0.2	50.2
60 - 64	702	1	701	31.0	0.1	58.7
65 - 69	674	4	670	42.7	0.6	78.2
70 - 74	428	1	427	39.6	0.2	69.9
75 - 79	250	1	249	32.1	0.3	55.1
80 - 84	120	0	120	21.7	0.0	36.3
85 +	54	0	54	10.8	0.0	17.0
Total/Crude	5,610	17	5,593	10.6	0.1	20.1

(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, 2011-2015, In Situ Breast Cancer (continued)

Age at Diagnosis or Death	Incidence					
	New Cases 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE						
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	3	0	3	0.1	0.0	0.1
25 - 29	19	2	17	0.4	0.1	0.7
30 - 34	65	1	64	1.3	0.0	2.7
35 - 39	203	0	203	4.6	0.0	9.5
40 - 44	960	0	960	19.7	0.0	40.4
45 - 49	1,673	2	1,671	30.6	0.1	62.2
50 - 54	2,187	5	2,182	34.8	0.2	70.0
55 - 59	2,204	8	2,196	35.5	0.3	70.6
60 - 64	2,336	11	2,325	41.8	0.4	81.6
65 - 69	2,561	7	2,554	55.4	0.3	106.8
70 - 74	1,808	7	1,801	54.7	0.5	102.9
75 - 79	1,150	6	1,144	47.1	0.5	85.9
80 - 84	781	6	775	40.6	0.7	70.7
85 +	440	0	440	19.7	0.0	30.5
Total/Crude	16,390	55	16,335	15.8	0.1	30.8

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

Source: California Cancer Registry (January 2018).

Note: Excludes cases reported by the Department of Veterans Affairs.

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 Females by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2015, Invasive Female Breast Cancer

Year of Diagnosis	Stage at Diagnosis											
	Stage I		Stage IIa		Stage IIb		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
ALL RACES												
1988	4,389	33.6	2,945	22.8	1,491	11.6	635	4.9	506	3.9	6,591	50.9
1989	4,416	33.1	2,939	22.3	1,473	11.2	642	4.9	500	3.8	6,212	47.3
1990	4,980	36.8	3,019	22.5	1,493	11.3	684	5.1	522	3.9	6,279	46.8
1991	5,425	39.4	3,136	23.0	1,500	11.1	679	5.0	495	3.6	6,037	44.2
1992	7,704	54.9	4,389	31.5	2,195	15.7	973	7.0	723	5.1	1,942	13.8
1993	7,660	54.0	4,286	30.3	2,135	15.1	984	6.9	800	5.6	1,735	12.2
1994	8,041	56.0	4,281	29.9	2,106	14.7	1,082	7.6	772	5.4	1,694	11.7
1995	8,337	57.1	4,663	32.1	2,276	15.7	1,113	7.7	719	4.9	1,510	10.2
1996	9,002	60.9	4,616	31.3	2,291	15.6	1,147	7.8	808	5.4	1,545	10.3
1997	9,328	61.5	4,737	31.3	2,317	15.3	1,176	7.7	765	5.1	1,604	10.4
1998	9,395	60.6	4,969	32.0	2,584	16.7	1,309	8.4	802	5.1	1,689	10.7
1999	9,618	60.5	4,967	31.1	2,590	16.2	1,380	8.6	828	5.2	1,907	11.8
2000	10,017	61.6	5,418	33.2	2,672	16.4	1,494	9.1	836	5.1	1,221	7.4
2001	10,194	61.4	5,409	32.4	2,844	17.0	1,410	8.4	856	5.1	1,199	7.1
2002	10,231	60.3	5,547	32.5	2,902	17.0	1,372	8.0	940	5.5	1,203	6.9
2003	9,478	54.6	5,187	29.7	2,895	16.6	1,340	7.6	863	4.9	1,215	6.8
2004	9,320	52.7	4,793	26.9	2,089	11.8	2,540	14.3	961	5.4	1,499	8.3
2005	9,775	54.2	5,031	27.8	2,078	11.5	2,613	14.4	1,019	5.6	1,390	7.6
2006	9,837	53.9	5,041	27.6	2,102	11.5	2,612	14.2	1,032	5.6	1,408	7.5
2007	10,221	54.8	5,183	27.8	2,225	12.0	2,733	14.6	1,150	6.1	1,546	8.1
2008	10,670	56.0	5,407	28.5	2,340	12.3	2,824	14.9	1,126	5.9	1,465	7.5
2009	10,936	56.3	5,426	27.9	2,289	11.9	2,651	13.7	1,181	6.0	1,428	7.2
2010	11,234	56.4	4,926	24.9	2,434	12.4	2,622	13.2	1,261	6.2	1,148	5.7
2011	11,759	57.8	5,169	25.6	2,694	13.4	2,739	13.7	1,281	6.3	1,068	5.2
2012	12,028	57.6	5,308	25.7	2,676	13.1	2,743	13.4	1,331	6.4	1,046	5.0
2013	12,372	57.9	5,402	25.6	2,815	13.6	2,683	12.9	1,335	6.3	1,036	4.8
2014	12,282	56.2	5,494	25.5	2,824	13.4	2,647	12.5	1,370	6.3	1,058	4.8
2015	12,668	56.4	5,832	26.5	2,963	13.8	2,630	12.2	1,307	5.9	1,080	4.8
ASIAN/PACIFIC ISLANDER												
1988	145	15.6	125	13.2	66	6.5	27	3.1	17	1.8	337	35.0
1989	167	15.9	144	14.4	60	5.3	35	3.7	22	2.1	328	31.8
1990	206	18.1	147	12.7	76	6.8	40	3.6	28	2.7	392	36.0
1991	202	17.0	138	11.1	86	6.6	35	3.2	21	2.1	371	30.6
1992	388	31.7	270	21.4	160	12.4	63	4.9	34	2.8	108	9.0
1993	399	30.1	279	20.2	143	10.1	57	4.2	45	3.3	96	7.4
1994	472	32.8	268	18.2	156	10.4	72	5.0	37	2.7	100	7.5
1995	498	33.6	365	23.7	180	11.4	72	4.6	47	3.0	77	5.0
1996	560	35.6	364	23.0	208	12.1	83	5.1	56	3.4	106	6.9
1997	688	41.1	379	22.4	184	10.7	89	5.1	50	2.9	110	6.5
1998	669	37.3	445	24.6	235	12.8	103	5.7	45	2.4	114	6.3
1999	731	39.2	458	24.0	239	12.2	105	5.5	59	3.2	133	7.1
2000	774	39.2	474	23.6	254	12.5	134	6.6	69	3.5	91	4.8
2001	863	41.8	470	22.3	260	12.1	122	5.8	66	3.2	89	4.5
2002	944	43.3	536	24.1	294	13.3	132	5.9	75	3.5	104	4.9
2003	849	37.1	556	24.1	321	13.7	108	4.6	69	3.0	105	4.8
2004	938	39.1	548	22.8	266	10.8	257	10.5	85	3.6	142	6.0
2005	1,019	40.6	589	23.4	261	10.4	257	10.1	86	3.5	128	5.5
2006	1,040	40.1	567	21.8	236	9.0	293	11.2	109	4.2	134	5.3
2007	1,110	41.1	596	22.0	305	11.3	291	10.7	111	4.0	159	6.0
2008	1,272	45.1	695	24.9	280	9.9	300	10.5	118	4.2	174	6.3
2009	1,223	42.2	676	23.0	282	9.7	276	9.5	138	4.6	167	5.8
2010	1,356	44.6	722	23.8	297	9.7	297	9.7	133	4.4	140	4.7
2011	1,435	45.8	667	21.2	394	12.7	343	11.0	142	4.4	110	3.5
2012	1,524	46.5	788	23.9	357	10.9	308	9.5	135	4.0	116	3.6
2013	1,553	45.5	791	23.6	422	12.4	369	10.8	160	4.8	121	3.5
2014	1,632	45.8	755	21.4	425	12.1	339	9.7	176	5.1	100	2.9

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd Ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.5%). For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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 Females by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2015, Invasive Female Breast Cancer

Year of Diagnosis	Stage at Diagnosis											
	Stage I		Stage IIa		Stage IIb		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
2015	1,770	47.5	884	24.1	431	12.0	391	10.8	146	4.0	127	3.4

(Table Continues)

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd Ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.5%). For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2015, Invasive Female Breast Cancer (continued)

Year of Diagnosis	Stage at Diagnosis											
	Stage I		Stage IIa		Stage IIb		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
NON-HISPANIC BLACK												
1988	143	18.8	109	14.1	71	9.2	45	5.7	40	5.3	535	69.9
1989	129	16.2	104	12.5	74	8.9	30	3.9	31	3.8	507	65.5
1990	138	17.5	124	15.0	83	10.4	41	5.1	36	4.4	531	66.3
1991	159	19.5	122	14.5	83	9.3	47	5.7	30	3.8	537	65.7
1992	309	36.9	275	32.5	133	15.9	116	13.6	68	8.1	110	13.1
1993	334	38.9	266	30.2	160	18.2	73	8.2	81	9.5	103	12.3
1994	348	40.0	269	30.6	161	18.1	90	10.2	86	9.4	109	13.1
1995	388	44.6	260	29.3	174	19.0	102	11.1	64	7.3	102	11.8
1996	379	42.9	317	34.1	142	15.4	107	11.7	80	9.0	105	11.9
1997	407	44.5	282	30.2	191	20.1	109	11.8	69	7.4	103	11.5
1998	413	44.6	299	31.0	174	17.9	113	11.6	79	8.3	96	10.5
1999	444	46.1	339	33.9	198	19.8	120	11.8	69	6.9	97	9.9
2000	457	46.5	347	34.4	173	16.7	139	13.1	77	7.8	100	10.1
2001	438	43.7	310	29.8	206	19.3	135	13.0	97	9.6	89	9.0
2002	477	46.0	339	31.9	207	19.7	141	13.3	71	6.6	71	6.9
2003	447	42.4	303	28.4	223	20.4	123	11.0	104	9.8	99	9.5
2004	452	41.6	369	33.4	155	14.0	221	20.1	104	9.7	101	9.4
2005	488	44.4	335	29.8	137	12.2	226	19.9	113	10.2	88	8.3
2006	475	42.2	338	29.9	172	15.0	209	18.2	115	10.3	100	9.4
2007	560	49.3	346	30.3	190	16.5	195	17.0	126	11.3	111	10.1
2008	511	45.0	377	32.9	175	15.0	245	20.7	90	7.5	106	9.3
2009	568	48.3	366	31.0	162	13.8	219	18.5	129	10.5	100	8.6
2010	577	48.0	329	27.7	185	15.4	215	17.5	114	9.4	81	7.0
2011	645	51.7	365	29.6	181	14.8	245	20.2	125	10.3	76	6.2
2012	642	50.5	339	27.1	207	16.4	220	17.6	115	9.1	90	7.4
2013	601	47.2	349	27.5	225	18.0	224	17.5	138	10.7	89	7.1
2014	682	51.3	383	29.4	192	14.8	230	17.9	139	10.6	79	6.2
2015	678	50.4	380	28.6	213	16.2	196	15.1	129	9.9	77	5.8
HISPANIC												
1988	264	16.1	239	13.1	151	8.4	65	3.4	41	2.3	705	40.3
1989	293	16.2	211	11.4	143	7.1	73	3.9	47	2.5	780	41.9
1990	322	17.5	248	12.4	130	6.4	71	3.4	49	2.4	768	40.2
1991	337	17.3	277	13.3	176	8.0	81	3.9	44	2.3	802	39.7
1992	583	29.1	509	23.4	317	14.2	145	6.1	82	3.9	178	8.2
1993	607	29.0	494	22.0	292	12.2	129	5.3	100	4.4	182	8.5
1994	640	29.3	548	23.9	297	11.6	150	6.1	93	4.1	182	8.0
1995	659	29.8	538	22.4	344	13.4	172	6.4	111	4.5	180	7.5
1996	789	34.2	522	20.8	333	12.4	192	7.2	90	3.6	207	8.2
1997	839	34.0	581	21.9	338	12.0	177	6.6	102	3.9	204	7.6
1998	871	34.2	666	24.1	393	13.2	216	7.5	108	3.7	191	7.1
1999	930	35.2	642	21.8	403	13.0	237	7.4	118	4.1	239	8.3
2000	979	33.9	700	22.2	458	14.1	296	9.1	138	4.6	166	5.6
2001	1,037	34.1	743	22.4	488	13.9	272	7.9	141	4.4	151	4.7
2002	1,086	33.8	761	22.2	517	14.6	254	7.0	167	5.1	177	5.7
2003	1,119	33.0	820	22.6	542	14.2	291	7.5	120	3.5	181	5.4
2004	1,101	30.9	753	19.9	383	9.5	525	12.9	154	4.2	226	6.2
2005	1,249	34.1	839	20.9	398	9.6	566	13.4	160	4.1	214	5.8
2006	1,288	33.3	833	20.2	398	9.2	563	13.1	166	4.0	250	6.3
2007	1,323	32.7	872	20.1	431	9.6	612	13.6	241	5.8	291	7.2
2008	1,477	34.9	982	21.8	479	10.1	624	13.3	208	4.7	268	6.3
2009	1,548	34.8	991	21.0	465	9.6	573	11.5	233	5.0	302	6.9
2010	1,637	34.9	885	17.9	498	10.0	635	12.5	246	5.2	207	4.6
2011	1,830	37.9	1,052	20.6	606	11.2	619	11.6	274	5.2	206	4.3
2012	1,878	37.2	1,041	19.3	602	10.8	677	12.0	251	4.6	208	4.2
2013	2,069	38.8	1,085	19.6	658	11.5	680	12.0	264	4.8	217	4.0
2014	2,007	36.3	1,126	19.8	662	11.1	676	11.4	261	4.6	240	4.2

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd Ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.5%). For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2015, Invasive Female Breast Cancer (continued)

Year of Diagnosis	Stage at Diagnosis											
	Stage I		Stage IIa		Stage IIb		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
2015	2,118	36.4	1,217	20.3	707	11.5	662	10.7	275	4.7	282	4.9

(Table Continues)

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd Ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.5%). For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2015, Invasive Female Breast Cancer (continued)

Year of Diagnosis	Stage at Diagnosis											
	Stage I		Stage IIa		Stage IIb		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
NON-HISPANIC WHITE												
1988	3,816	39.8	2,452	26.1	1,194	13.0	495	5.4	407	4.2	4,950	52.2
1989	3,793	39.0	2,469	26.2	1,184	12.8	502	5.5	398	4.1	4,530	47.4
1990	4,292	43.9	2,490	26.1	1,190	12.9	526	5.6	404	4.2	4,522	46.8
1991	4,704	47.9	2,586	27.0	1,143	12.4	514	5.4	398	4.1	4,262	43.7
1992	6,383	64.5	3,317	34.3	1,573	16.5	642	6.7	536	5.4	1,492	14.9
1993	6,268	63.5	3,224	33.1	1,530	16.0	719	7.4	568	5.8	1,297	12.8
1994	6,533	66.3	3,181	33.0	1,477	15.5	768	8.0	553	5.7	1,253	12.3
1995	6,737	67.7	3,467	35.8	1,560	16.4	762	8.0	493	5.0	1,100	10.7
1996	7,203	72.4	3,377	34.7	1,594	16.9	758	7.9	575	5.9	1,084	10.6
1997	7,333	72.6	3,472	35.1	1,597	16.6	795	8.1	538	5.5	1,120	10.7
1998	7,377	72.4	3,518	35.4	1,765	18.0	864	8.7	567	5.5	1,234	11.7
1999	7,470	72.3	3,507	34.7	1,736	17.4	909	9.0	580	5.6	1,399	13.1
2000	7,748	74.5	3,868	37.9	1,769	17.7	922	9.1	549	5.2	841	7.7
2001	7,766	74.2	3,855	37.6	1,869	18.5	871	8.5	545	5.2	843	7.7
2002	7,671	72.6	3,864	37.4	1,871	18.3	834	8.1	617	5.9	814	7.2
2003	6,998	65.9	3,466	33.4	1,793	17.7	811	7.7	563	5.3	804	7.1
2004	6,773	63.7	3,093	29.9	1,266	12.4	1,526	14.9	611	5.8	992	8.8
2005	6,959	65.4	3,229	30.8	1,264	12.3	1,543	15.1	654	6.0	929	8.2
2006	6,938	65.4	3,256	31.4	1,275	12.4	1,525	15.0	636	6.1	887	7.8
2007	7,159	66.9	3,322	31.8	1,272	12.6	1,611	15.8	668	6.2	921	8.1
2008	7,302	67.7	3,303	31.5	1,389	13.5	1,635	16.1	702	6.5	866	7.5
2009	7,513	69.5	3,352	31.6	1,357	13.3	1,566	15.2	673	6.3	812	7.0
2010	7,542	69.2	2,954	27.8	1,429	13.9	1,455	13.8	753	6.7	667	5.7
2011	7,728	70.6	3,025	28.2	1,483	14.4	1,497	14.6	731	6.8	624	5.4
2012	7,815	70.4	3,069	28.5	1,484	14.3	1,518	14.7	813	7.3	559	4.8
2013	7,986	71.2	3,117	28.7	1,465	14.1	1,366	13.3	760	6.8	534	4.6
2014	7,818	69.4	3,155	28.8	1,498	14.5	1,378	13.2	781	7.0	562	4.7
2015	7,917	69.1	3,276	29.9	1,569	15.2	1,355	13.0	742	6.6	497	4.2

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd Ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.5%). For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs. 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, Breast Cancer

Current Age	Males				Females			
	10+ yrs	20+ yrs	30+ yrs	eventually	10+ yrs	20+ yrs	30+ yrs	eventually
ALL RACES								
0	0.00	0.00	0.00	0.11	0.00	0.00	0.06	13.07
25	0.00	0.00	0.01	0.12	0.19	1.06	2.92	13.21
35	0.00	0.01	0.03	0.12	0.87	2.75	5.41	13.10
45	0.01	0.02	0.06	0.12	1.91	4.62	8.16	12.45
55	0.02	0.05	0.09	0.11	2.82	6.52	9.35	10.98
65	0.04	0.08	-	0.11	4.00	7.07	-	8.84
Lifetime Risk of Being Diagnosed = 0.11%				Lifetime Risk of Being Diagnosed = 13.07%				
Lifetime Risk of Dying of Cancer = 0.03%				Lifetime Risk of Dying of Cancer = 2.78%				
ASIAN/PACIFIC ISLANDER								
0	0.00	0.00	0.00	0.06	0.00	0.00	0.06	11.01
25	0.00	0.00	0.01	0.06	0.19	1.12	2.98	11.12
35	0.00	0.01	0.02	0.07	0.93	2.81	5.10	10.98
45	0.01	0.02	0.04	0.06	1.90	4.23	6.91	10.19
55	0.01	0.03	0.05	0.06	2.40	5.17	7.04	8.56
65	0.02	0.04	-	0.05	2.92	4.90	-	6.50
Lifetime Risk of Being Diagnosed = 0.06%				Lifetime Risk of Being Diagnosed = 11.01%				
Lifetime Risk of Dying of Cancer = 0.02%				Lifetime Risk of Dying of Cancer = 2.03%				
NON-HISPANIC BLACK								
0	0.00	0.00	0.00	0.12	0.00	0.00	0.10	12.47
25	0.00	0.01	0.02	0.13	0.25	1.13	3.08	12.70
35	0.00	0.02	0.04	0.13	0.89	2.86	5.59	12.59
45	0.02	0.04	0.07	0.13	2.02	4.83	8.08	12.03
55	0.02	0.06	0.10	0.12	3.00	6.46	9.13	10.68
65	0.04	0.08	-	0.11	3.94	6.98	-	8.74
Lifetime Risk of Being Diagnosed = 0.12%				Lifetime Risk of Being Diagnosed = 12.47%				
Lifetime Risk of Dying of Cancer = 0.06%				Lifetime Risk of Dying of Cancer = 3.48%				
HISPANIC								
0	0.00	0.00	0.00	0.08	0.00	0.00	0.05	9.82
25	0.00	0.00	0.00	0.08	0.16	0.84	2.31	9.93
35	0.00	0.00	0.01	0.08	0.69	2.16	4.23	9.82
45	0.00	0.01	0.03	0.08	1.49	3.59	6.18	9.26
55	0.01	0.03	0.06	0.08	2.17	4.85	6.77	8.04
65	0.02	0.05	-	0.07	2.87	4.92	-	6.28
Lifetime Risk of Being Diagnosed = 0.08%				Lifetime Risk of Being Diagnosed = 9.82%				
Lifetime Risk of Dying of Cancer = 0.02%				Lifetime Risk of Dying of Cancer = 2.23%				
NON-HISPANIC WHITE								
0	0.00	0.00	0.00	0.13	0.00	0.00	0.07	14.71
25	0.00	0.00	0.01	0.13	0.21	1.21	3.32	14.85
35	0.00	0.01	0.03	0.13	1.02	3.13	6.11	14.74
45	0.01	0.03	0.07	0.14	2.16	5.20	9.27	14.01
55	0.02	0.06	0.11	0.13	3.19	7.45	10.76	12.42
65	0.05	0.10	-	0.12	4.65	8.26	-	10.07
Lifetime Risk of Being Diagnosed = 0.13%				Lifetime Risk of Being Diagnosed = 14.71%				
Lifetime Risk of Dying of Cancer = 0.03%				Lifetime Risk of Dying of Cancer = 3.01%				

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.
 Source: California Cancer Registry (January 2018) and CDPH Center for Health Statistics Death Master Files.
 Note: Based on average annual age-specific cancer incidence and mortality rates in California, 2011-2015.
 Excludes cases reported by the Department of Veterans Affairs.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.