

BREAST CANCER INVASIVE  
Incidence

Table 1. Female Breast Cancer (invasive). Annual Case Counts, Age-Adjusted (2000 US Population Standard) Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI) by Race/Ethnicity, Greater Bay Area, 1988-2005

Year	FEMALES		
	Count	Rate	95% CI
	ALL RACES		
1988	3,684	135.7	131.3-140.2
1989	3,653	131.9	127.6-136.3
1990	3,701	133.7	129.4-138.1
1991	3,801	135.5	131.2-140.0
1992	3,831	133.8	129.6-138.2
1993	3,779	130.0	125.9-134.3
1994	3,904	133.4	129.2-137.7
1995	4,153	139.6	135.3-143.9
1996	4,311	142.8	138.5-147.1
1997	4,401	141.5	137.3-145.8
1998	4,596	144.4	140.2-148.6
1999	4,654	143.1	139.0-147.3
2000	4,601	138.5	134.5-142.6
2001	4,622	136.9	132.9-140.9
2002	4,641	135.4	131.5-139.3
2003	4,256	122.5	118.8-126.2
2004	4,222	120.0	116.4-123.7
2005	4,425	123.6	119.9-127.3
	WHITE (non-Hispanic)		
1988	2,856	149.1	143.6-154.8
1989	2,821	145.9	140.4-151.5
1990	2,828	147.6	142.1-153.3
1991	2,913	152.6	147.0-158.3
1992	2,929	151.7	146.1-157.4
1993	2,842	146.8	141.3-152.4
1994	2,905	151.4	145.9-157.1
1995	3,059	158.9	153.3-164.8
1996	3,188	165.7	159.9-171.6
1997	3,202	162.7	157.1-168.6
1998	3,327	167.8	162.1-173.7
1999	3,322	166.2	160.5-172.0
2000	3,229	159.9	154.4-165.6
2001	3,218	159.4	153.9-165.1
2002	3,182	157.1	151.6-162.8
2003	2,875	142.4	137.2-147.8
2004	2,755	136.4	131.3-141.7
2005	2,917	143.7	138.4-149.2

(Table Continues)

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Year	FEMALES		
	Count	Rate	95% CI
BLACK (non-Hispanic)			
1988	268	140.4	123.7-159.0
1989	228	113.2	98.7-129.5
1990	246	122.8	107.7-139.7
1991	230	114.9	100.3-131.2
1992	247	121.1	106.2-137.5
1993	242	114.4	100.3-130.1
1994	253	120.9	106.4-137.0
1995	253	121.2	106.6-137.2
1996	256	120.4	106.0-136.2
1997	287	132.5	117.5-148.8
1998	251	112.5	98.9-127.4
1999	281	123.8	109.7-139.2
2000	275	119.8	106.0-134.9
2001	269	117.1	103.5-132.1
2002	288	124.7	110.6-140.1
2003	262	112.8	99.5-127.5
2004	298	126.7	112.6-142.1
2005	287	122.8	108.9-138.1
HISPANIC			
1988	281	103.2	91.1-116.7
1989	280	96.1	84.8-108.7
1990	278	94.7	83.6-107.1
1991	348	115.7	103.4-129.2
1992	281	92.8	81.9-104.9
1993	315	101.5	90.3-113.8
1994	319	96.7	86.1-108.4
1995	384	111.7	100.4-124.1
1996	341	98.7	88.3-110.3
1997	366	102.1	91.6-113.7
1998	419	114.8	103.7-126.8
1999	433	113.0	102.3-124.7
2000	440	107.9	97.8-119.0
2001	412	95.9	86.6-106.0
2002	466	104.5	95.0-114.9
2003	459	100.2	91.0-110.2
2004	442	93.0	84.3-102.4
2005	455	92.0	83.5-101.2

(Table Continues)

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Table 1. Female Breast Cancer (invasive). Annual Case Counts, Age-Adjusted (2000 US Population Standard) Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI) by Race/Ethnicity, Greater Bay Area, 1988-2005

Year	FEMALES		
	Count	Rate	95% CI
ASIAN/PACIFIC ISLANDER (non-Hispanic)			
1988	249	77.2	67.5-88.4
1989	280	80.3	70.7-91.2
1990	332	89.4	79.6-100.4
1991	290	72.8	64.4-82.4
1992	339	82.4	73.5-92.2
1993	343	76.7	68.6-85.8
1994	397	83.1	74.9-92.1
1995	420	82.9	75.0-91.6
1996	466	87.2	79.3-95.8
1997	500	87.7	80.0-96.0
1998	522	86.8	79.4-94.8
1999	562	89.3	82.0-97.2
2000	607	90.3	83.2-97.9
2001	653	93.6	86.5-101.2
2002	673	91.6	84.8-98.9
2003	621	81.3	75.0-88.0
2004	688	86.9	80.5-93.7
2005	720	88.0	81.7-94.7

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Table 2. Female Breast Cancer (invasive). Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2001-2005, Greater Bay Area

Age at Diagnosis	FEMALES		
	Count	Rate	95% CI
00 - 04	<5	-	-
05 - 09	<5	-	-
10 - 14	<5	-	-
15 - 19	<5	-	-
20 - 24	17	1.8	1.0-2.8
25 - 29	73	6.6	5.1-8.2
30 - 34	340	25.8	23.1-28.6
35 - 39	794	59.5	55.4-63.8
40 - 44	1,663	123.0	117.2-129.1
45 - 49	2,348	186.2	178.7-193.8
50 - 54	2,663	231.1	222.4-240.1
55 - 59	2,889	308.6	297.4-320.0
60 - 64	2,549	376.5	362.0-391.4
65 - 69	2,171	403.7	386.9-421.0
70 - 74	2,004	423.2	404.8-442.1
75 - 79	1,976	450.1	430.5-470.4
80 - 84	1,491	439.4	417.4-462.3
85 +	1,187	353.7	333.9-374.4
Total/Crude	22,166	135.1	133.4-136.9

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Table 3. Female Breast Cancer (invasive). Five-Year Case Counts, Average Annual Age-Adjusted (2000 US Population Standard) Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI), by County and Race/Ethnicity, Greater Bay Area, 2001-2005

County	FEMALES		
	Count	Rate	95% CI
ALL RACES			
SF Bay Area:	20,139	128.3	126.5-130.1
Alameda	4,630	123.2	119.7-126.8
Contra Costa	3,795	139.6	135.2-144.1
Marin	1,240	150.3	141.9-159.2
San Francisco	2,592	119.7	115.1-124.5
San Mateo	2,763	135.1	130.1-140.3
Santa Clara	5,119	123.1	119.7-126.5
Monterey Bay Area:	2,027	119.8	114.6-125.2
Monterey	1,102	118.7	111.7-125.9
San Benito	122	105.0	86.9-125.9
Santa Cruz	803	125.5	116.9-134.7
WHITE (non-Hispanic)			
SF Bay Area:	13,395	149.6	147.0-152.2
Alameda	2,642	139.4	134.0-144.9
Contra Costa	2,861	155.2	149.5-161.1
Marin	1,129	155.8	146.6-165.8
San Francisco	1,390	152.1	144.0-160.9
San Mateo	1,951	156.5	149.4-163.9
Santa Clara	3,422	147.3	142.3-152.4
Monterey Bay Area:	1,552	133.0	126.3-140.0
Monterey	796	138.9	129.2-149.4
San Benito	85	119.5	95.1-149.2
Santa Cruz	671	129.6	119.8-140.3
BLACK (non-Hispanic)			
SF Bay Area:	1,367	120.7	114.4-127.4
Alameda	704	126.8	117.5-136.6
Contra Costa	281	122.0	107.9-137.6
Marin	11	-	-
San Francisco	236	135.9	118.8-155.1
San Mateo	56	80.6	60.6-106.2
Santa Clara	79	81.4	63.3-104.5
Monterey Bay Area:	37	119.2	83.6-166.8
Monterey	32	126.2	86.0-180.4
San Benito	<5	-	-
Santa Cruz	5	-	-

(Table Continues)

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Table 3. Female Breast Cancer (invasive). Five-Year Case Counts, Average Annual Age-Adjusted, (2000 US Population Standard) Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI), by County and Race/Ethnicity, Greater Bay Area, 2001-2005

FEMALES			
County	Count	Rate	95% CI
HISPANIC			
SF Bay Area:	1,935	100.2	95.7-104.9
Alameda	446	100.3	90.9-110.5
Contra Costa	319	108.1	96.2-121.3
Marin	56	149.5	110.5-200.0
San Francisco	214	90.9	79.0-104.1
San Mateo	271	99.3	87.5-112.3
Santa Clara	629	98.8	91.0-107.2
Monterey Bay Area:	299	78.7	69.5-89.2
Monterey	189	75.4	64.3-88.4
San Benito	34	78.2	53.3-113.4
Santa Cruz	76	89.1	68.9-114.4
ASIAN/PACIFIC ISLANDER (non-Hispanic)			
SF Bay Area:	3,259	88.4	85.3-91.5
Alameda	754	86.9	80.8-93.5
Contra Costa	303	84.7	75.3-95.2
Marin	39	90.1	63.3-126.9
San Francisco	736	91.3	84.7-98.4
San Mateo	466	99.9	90.9-109.7
Santa Clara	961	83.8	78.5-89.4
Monterey Bay Area:	96	77.3	62.6-95.1
Monterey	69	76.1	59.0-97.6
San Benito	<5	-	-
Santa Cruz	24	89.2	56.9-136.2

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Table 4. Female Breast Cancer (invasive). Annual Death Counts, Age-Adjusted (2000 US Population Standard) Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI) by Race/Ethnicity, Greater Bay Area, 1988-2005

Year	FEMALES		
	Count	Rate	95% CI
	ALL RACES		
1988	900	33.0	30.8-35.2
1989	894	32.6	30.5-34.9
1990	892	32.1	30.0-34.3
1991	891	31.7	29.6-33.8
1992	858	30.0	28.0-32.1
1993	887	30.2	28.2-32.3
1994	827	27.9	26.0-29.9
1995	856	28.4	26.5-30.4
1996	878	28.7	26.8-30.6
1997	804	25.6	23.9-27.5
1998	838	26.1	24.4-28.0
1999	800	24.2	22.6-26.0
2000	833	24.7	23.1-26.5
2001	816	23.8	22.2-25.5
2002	825	23.8	22.2-25.5
2003	827	23.4	21.8-25.0
2004	812	22.8	21.2-24.4
2005	764	21.1	19.6-22.6
	WHITE (non-Hispanic)		
1988	701	35.7	33.1-38.6
1989	699	35.9	33.3-38.8
1990	693	35.3	32.7-38.1
1991	693	35.3	32.7-38.1
1992	671	33.8	31.3-36.6
1993	683	34.1	31.6-36.9
1994	612	30.6	28.2-33.2
1995	650	32.3	29.8-34.9
1996	659	32.5	30.1-35.2
1997	579	28.1	25.9-30.6
1998	612	29.6	27.3-32.1
1999	601	28.4	26.1-30.8
2000	598	28.1	25.8-30.5
2001	548	25.7	23.5-28.0
2002	574	27.2	25.0-29.6
2003	565	26.3	24.1-28.6
2004	571	26.5	24.3-28.9
2005	536	25.0	22.8-27.3

(Table Continues)

Table 4. Female Breast Cancer (invasive). Annual Death Counts, Age-Adjusted (2000 US Population Standard) Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI) by Race/Ethnicity, Greater Bay Area, 1988-2005

FEMALES			
Year	Count	Rate	95% CI
BLACK (non-Hispanic)			
1988	86	44.5	35.4-55.7
1989	80	40.9	32.3-51.4
1990	75	37.7	29.5-47.7
1991	72	36.2	28.2-45.9
1992	75	38.6	30.3-48.6
1993	72	35.6	27.7-45.0
1994	88	42.5	34.1-52.6
1995	77	35.9	28.3-45.1
1996	81	38.6	30.6-48.1
1997	83	38.4	30.6-47.7
1998	82	37.1	29.5-46.1
1999	59	26.0	19.8-33.7
2000	82	35.7	28.3-44.4
2001	81	34.5	27.4-43.0
2002	88	38.3	30.7-47.4
2003	77	32.9	25.9-41.2
2004	71	31.7	24.7-40.2
2005	70	29.8	23.1-37.8
HISPANIC			
1988	62	22.6	17.1-29.5
1989	54	20.5	15.3-27.2
1990	61	21.9	16.7-28.6
1991	54	18.5	13.8-24.5
1992	53	18.4	13.6-24.3
1993	66	21.9	16.7-28.2
1994	55	19.0	14.2-25.0
1995	55	17.5	13.1-23.1
1996	77	22.9	17.9-29.0
1997	69	20.0	15.4-25.6
1998	68	19.0	14.6-24.5
1999	71	19.5	15.1-24.9
2000	66	17.6	13.5-22.7
2001	75	18.4	14.4-23.4
2002	71	18.0	14.0-22.9
2003	74	17.5	13.6-22.1
2004	72	16.4	12.7-20.8
2005	58	12.7	9.6-16.6

(Table Continues)

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Year	FEMALES		
	Count	Rate	95% CI
ASIAN/PACIFIC ISLANDER (non-Hispanic)			
1988	48	15.7	11.4-21.6
1989	57	16.6	12.5-22.3
1990	62	17.9	13.6-23.6
1991	71	18.8	14.5-24.3
1992	58	13.8	10.4-18.4
1993	65	15.0	11.5-19.5
1994	69	16.2	12.4-20.9
1995	70	14.5	11.3-18.6
1996	60	11.5	8.7-15.1
1997	72	13.6	10.5-17.4
1998	76	12.5	9.8-15.8
1999	68	11.0	8.5-14.2
2000	86	13.1	10.4-16.2
2001	109	16.0	13.1-19.4
2002	90	12.7	10.2-15.6
2003	105	14.2	11.6-17.2
2004	98	12.5	10.2-15.4
2005	99	12.3	10.0-15.1

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Table 5. Female Breast Cancer (invasive). Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2001-2005, Greater Bay Area

Age at Diagnosis	FEMALES		
	Count	Rate	95% CI
00 - 04	<5	-	-
05 - 09	<5	-	-
10 - 14	<5	-	-
15 - 19	<5	-	-
20 - 24	<5	-	-
25 - 29	5	-	-
30 - 34	27	2.0	1.4-3.0
35 - 39	87	6.5	5.2-8.0
40 - 44	170	12.6	10.8-14.6
45 - 49	307	24.3	21.7-27.2
50 - 54	396	34.4	31.1-37.9
55 - 59	429	45.8	41.6-50.4
60 - 64	404	59.7	54.0-65.8
65 - 69	413	76.8	69.6-84.6
70 - 74	401	84.7	76.6-93.4
75 - 79	450	102.5	93.3-112.4
80 - 84	412	121.4	110.0-133.7
85 +	543	161.8	148.5-176.0
Total/Crude	4,044	24.7	23.9-25.4

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Table 6. Female Breast Cancer (invasive). Five-Year Death Counts, Average Annual Age-Adjusted (2000 US Population Standard) Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI), by County and Race/Ethnicity, Greater Bay Area, 2001-2005

County	FEMALES		
	Count	Rate	95% CI
ALL RACES			
SF Bay Area:	3,667	23.0	22.3-23.8
Alameda	902	23.9	22.4-25.6
Contra Costa	707	25.7	23.8-27.7
Marin	228	27.0	23.6-31.1
San Francisco	499	21.4	19.6-23.5
San Mateo	488	23.2	21.2-25.4
Santa Clara	843	20.5	19.1-21.9
Monterey Bay Area:	377	22.2	20.0-24.6
Monterey	201	21.5	18.6-24.7
San Benito	19	18.3	10.9-28.8
Santa Cruz	157	24.2	20.5-28.4
WHITE (non-Hispanic)			
SF Bay Area:	2,502	26.4	25.4-27.5
Alameda	525	26.7	24.4-29.1
Contra Costa	532	27.4	25.1-30.0
Marin	213	28.1	24.4-32.6
San Francisco	275	27.0	23.8-31.1
San Mateo	356	26.1	23.3-29.2
Santa Clara	601	24.7	22.8-26.9
Monterey Bay Area:	292	23.9	21.2-27.0
Monterey	143	23.6	19.8-28.2
San Benito	15	22.6	12.5-38.7
Santa Cruz	134	24.7	20.6-29.7
BLACK (non-Hispanic)			
SF Bay Area:	376	33.1	29.9-36.7
Alameda	184	32.8	28.2-38.0
Contra Costa	78	35.1	27.6-44.2
Marin	<5	-	-
San Francisco	71	38.8	30.1-49.7
San Mateo	16	23.7	13.4-40.1
Santa Clara	25	27.6	17.3-43.3
Monterey Bay Area:	11	-	-
Monterey	10	-	-
San Benito	<5	-	-
Santa Cruz	<5	-	-

(Table Continues)

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Table 6. Female Breast Cancer (invasive). Five-Year Death Counts, Average Annual Age-Adjusted (2000 US Population Standard) Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI), by County and Race/Ethnicity, Greater Bay Area, 2001-2005

County	FEMALES		
	Count	Rate	95% CI
	----- FEMALES -----		
	HISPANIC		
SF Bay Area:	294	16.3	14.4-18.3
Alameda	77	18.7	14.7-23.5
Contra Costa	54	20.2	15.0-26.7
Marin	7	-	-
San Francisco	36	14.5	10.1-20.3
San Mateo	33	13.1	8.9-18.7
Santa Clara	87	14.7	11.7-18.4
Monterey Bay Area:	56	18.0	13.3-23.9
Monterey	33	15.3	10.3-22.5
San Benito	<5	-	-
Santa Cruz	19	26.9	15.8-43.9
	ASIAN/PACIFIC ISLANDER (non-Hispanic)		
SF Bay Area:	483	13.4	12.2-14.6
Alameda	111	13.2	10.8-16.0
Contra Costa	41	11.7	8.3-16.2
Marin	6	-	-
San Francisco	114	13.8	11.3-16.8
San Mateo	82	17.8	14.1-22.3
Santa Clara	129	11.8	9.8-14.1
Monterey Bay Area:	18	14.3	8.4-23.5
Monterey	15	15.8	8.7-27.7
San Benito	<5	-	-
Santa Cruz	<5	-	-