

ORAL AND PHARYNGEAL CANCER  
Incidence

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

Year	TOTAL			MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI	Count	Rate	95% CI
ALL RACES									
1988	686	13.5	12.5-14.6	454	19.7	17.8-21.7	232	8.3	7.3-9.5
1989	694	13.6	12.6-14.6	439	19.1	17.3-21.1	255	9.1	8.0-10.3
1990	734	14.1	13.0-15.1	504	20.9	19.1-23.0	230	8.2	7.2-9.4
1991	711	13.5	12.5-14.6	481	20.1	18.3-22.1	230	8.0	7.0-9.1
1992	731	13.6	12.6-14.7	510	20.9	19.0-22.9	221	7.6	6.6-8.7
1993	695	12.9	12.0-13.9	461	18.7	17.0-20.6	234	7.9	6.9-9.0
1994	674	12.3	11.4-13.3	431	17.4	15.8-19.2	243	8.1	7.1-9.2
1995	667	12.1	11.2-13.0	438	17.5	15.8-19.2	229	7.5	6.6-8.6
1996	719	12.8	11.9-13.8	452	17.9	16.3-19.7	267	8.7	7.7-9.8
1997	725	12.6	11.7-13.5	492	18.8	17.1-20.6	233	7.4	6.5-8.5
1998	699	11.9	11.1-12.9	445	16.6	15.0-18.2	254	7.9	7.0-9.0
1999	646	10.8	10.0-11.7	428	15.8	14.3-17.4	218	6.7	5.8-7.6
2000	673	11.0	10.1-11.8	433	15.4	14.0-17.0	240	7.3	6.4-8.3
2001	627	10.1	9.3-10.9	415	14.5	13.1-16.0	212	6.3	5.5-7.2
2002	660	10.3	9.6-11.2	446	15.1	13.7-16.7	214	6.3	5.5-7.2
2003	657	10.1	9.3-10.9	436	14.5	13.1-16.0	221	6.4	5.6-7.3
2004	695	10.5	9.7-11.3	452	14.7	13.4-16.2	243	6.8	6.0-7.7
2005	660	9.8	9.0-10.6	441	14.0	12.7-15.4	219	6.1	5.3-7.0
WHITE (non-Hispanic)									
1988	516	14.5	13.3-15.8	336	20.9	18.6-23.3	180	9.0	7.7-10.5
1989	499	14.0	12.8-15.3	304	19.0	16.9-21.4	195	10.0	8.6-11.6
1990	547	15.2	14.0-16.6	367	22.1	19.9-24.7	180	9.0	7.8-10.5
1991	525	14.6	13.4-15.9	350	21.6	19.3-24.0	175	8.7	7.5-10.2
1992	530	14.8	13.5-16.1	372	22.8	20.5-25.4	158	8.0	6.8-9.4
1993	488	13.6	12.5-14.9	334	20.6	18.4-23.0	154	7.7	6.5-9.1
1994	473	13.2	12.0-14.4	302	18.6	16.5-20.9	171	8.6	7.3-10.0
1995	470	13.1	11.9-14.3	302	18.4	16.4-20.7	168	8.3	7.1-9.8
1996	481	13.4	12.2-14.6	304	18.8	16.7-21.0	177	8.9	7.6-10.4
1997	501	13.6	12.5-14.9	336	20.2	18.1-22.5	165	8.2	7.0-9.6
1998	489	13.2	12.1-14.4	310	18.2	16.3-20.4	179	8.7	7.5-10.2
1999	424	11.4	10.3-12.6	284	16.7	14.8-18.8	140	6.8	5.7-8.1
2000	447	11.9	10.8-13.1	297	16.9	15.0-18.9	150	7.6	6.4-8.9
2001	429	11.4	10.3-12.5	289	16.6	14.7-18.7	140	6.9	5.7-8.2
2002	425	11.1	10.1-12.3	298	16.6	14.8-18.7	127	6.3	5.3-7.6
2003	405	10.5	9.5-11.6	263	14.7	13.0-16.7	142	6.9	5.8-8.2
2004	460	11.9	10.8-13.0	300	16.6	14.8-18.7	160	7.6	6.4-8.9
2005	420	10.7	9.7-11.9	283	15.2	13.5-17.2	137	6.7	5.6-8.0

(Table Continues)

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
Incidence

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

Year	TOTAL			MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI	Count	Rate	95% CI
BLACK (non-Hispanic)									
1988	55	14.8	11.1-19.8	39	23.3	16.4-34.2	16	7.9	4.5-13.5
1989	54	14.8	11.1-19.8	41	25.5	18.0-36.9	13	-	-
1990	57	16.0	12.0-21.2	46	30.3	21.4-42.9	11	-	-
1991	53	14.3	10.6-19.1	40	24.4	17.1-35.1	13	-	-
1992	49	13.3	9.7-17.9	36	20.5	14.1-30.2	13	-	-
1993	73	18.6	14.5-23.7	45	25.4	18.2-35.7	28	12.9	8.6-19.0
1994	53	13.9	10.4-18.4	37	21.2	14.7-30.9	16	7.8	4.4-12.9
1995	51	13.5	10.0-17.9	37	21.6	15.1-31.1	14	-	-
1996	49	12.2	8.9-16.3	38	21.3	14.7-30.8	11	-	-
1997	34	8.6	5.9-12.2	27	15.0	9.8-23.1	7	-	-
1998	45	11.4	8.3-15.4	30	17.0	11.2-25.6	15	7.1	4.0-11.7
1999	45	11.0	8.0-14.9	29	16.6	10.9-25.0	16	7.1	4.0-11.6
2000	42	10.2	7.3-13.9	26	14.9	9.6-22.9	16	7.0	4.0-11.4
2001	41	9.6	6.8-13.1	29	14.8	9.8-22.2	12	-	-
2002	49	11.4	8.4-15.1	33	17.5	11.9-25.5	16	6.7	3.8-11.1
2003	42	9.7	7.0-13.3	28	14.1	9.3-21.3	14	-	-
2004	40	9.1	6.5-12.5	28	13.7	9.0-20.7	12	-	-
2005	50	11.4	8.4-15.2	35	18.2	12.5-26.0	15	6.3	3.5-10.5
HISPANIC									
1988	47	9.3	6.7-12.8	37	17.1	11.6-25.2	10	-	-
1989	63	11.3	8.5-14.9	47	19.2	13.5-27.5	16	5.0	2.8-8.7
1990	48	8.7	6.1-12.1	32	13.4	8.4-21.1	16	5.5	3.0-9.4
1991	41	7.8	5.4-10.9	27	10.8	6.6-17.6	14	-	-
1992	41	7.8	5.4-11.0	28	11.5	7.1-18.4	13	-	-
1993	45	7.7	5.5-10.6	25	8.8	5.4-14.5	20	6.5	3.9-10.4
1994	57	9.4	7.0-12.6	37	12.5	8.4-18.9	20	6.5	3.9-10.5
1995	57	9.7	7.2-12.9	38	15.0	10.0-22.3	19	6.0	3.5-9.7
1996	57	8.6	6.4-11.5	36	12.5	8.5-18.6	21	5.4	3.2-8.6
1997	43	6.2	4.4-8.6	32	10.3	6.8-15.9	11	-	-
1998	51	7.0	5.1-9.5	30	8.3	5.4-13.0	21	5.6	3.3-8.9
1999	48	7.8	5.6-10.6	35	13.2	8.8-19.7	13	-	-
2000	57	7.7	5.7-10.3	33	10.0	6.5-15.4	24	6.0	3.8-9.2
2001	45	5.7	4.1-7.9	31	8.0	5.3-12.4	14	-	-
2002	54	6.7	4.9-8.9	38	10.2	6.8-15.1	16	3.9	2.2-6.5
2003	54	6.4	4.7-8.6	37	9.2	6.2-13.6	17	3.9	2.2-6.5
2004	50	5.2	3.8-7.1	33	7.5	4.9-11.4	17	3.3	1.9-5.5
2005	54	5.7	4.2-7.7	41	9.7	6.7-13.9	13	-	-

(Table Continues)

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
Incidence

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

Year	TOTAL			MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI	Count	Rate	95% CI
ASIAN/PACIFIC ISLANDER (non-Hispanic)									
1988	61	9.6	7.2-13.0	36	11.7	8.1-17.8	25	7.9	4.9-12.6
1989	76	11.5	8.9-15.0	47	16.0	11.5-22.6	29	7.8	5.1-12.1
1990	77	11.2	8.7-14.5	55	16.9	12.5-23.2	22	6.4	3.9-10.4
1991	88	11.9	9.4-15.1	62	17.5	13.2-23.5	26	7.0	4.5-10.8
1992	105	12.8	10.4-15.9	69	18.3	13.9-24.1	36	8.3	5.7-12.0
1993	82	9.4	7.4-12.0	52	12.7	9.3-17.4	30	6.6	4.4-9.8
1994	87	10.0	7.9-12.6	51	13.0	9.6-17.8	36	7.6	5.2-10.9
1995	84	9.1	7.2-11.5	58	14.1	10.6-18.8	26	5.1	3.3-7.8
1996	113	11.4	9.3-13.9	65	14.7	11.2-19.3	48	8.8	6.4-12.0
1997	136	12.9	10.7-15.4	90	19.0	15.1-23.8	46	7.7	5.6-10.6
1998	100	9.0	7.2-11.1	69	13.6	10.4-17.7	31	5.1	3.4-7.4
1999	115	10.0	8.2-12.1	74	13.5	10.5-17.3	41	6.9	4.9-9.6
2000	120	10.0	8.3-12.1	73	14.1	10.9-18.1	47	6.9	5.1-9.4
2001	100	7.9	6.4-9.7	57	9.6	7.2-12.7	43	6.3	4.5-8.6
2002	122	9.5	7.8-11.4	73	12.7	9.9-16.3	49	6.8	5.0-9.1
2003	146	10.3	8.7-12.2	102	15.9	12.9-19.6	44	5.8	4.2-7.8
2004	133	9.3	7.8-11.1	82	12.4	9.8-15.6	51	6.7	5.0-8.9
2005	122	8.1	6.7-9.7	75	10.9	8.5-13.8	47	5.8	4.3-7.8

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
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Table 2. Oral Cavity and Pharyngeal Cancer. 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	MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI
00 - 04	<5	-	-	<5	-	-
05 - 09	<5	-	-	<5	-	-
10 - 14	<5	-	-	<5	-	-
15 - 19	5	-	-	7	-	-
20 - 24	6	-	-	9	-	-
25 - 29	15	1.2	0.7-2.0	19	1.7	1.0-2.7
30 - 34	35	2.4	1.7-3.4	27	2.0	1.4-3.0
35 - 39	58	4.0	3.1-5.2	27	2.0	1.3-2.9
40 - 44	128	9.0	7.5-10.7	54	4.0	3.0-5.2
45 - 49	222	17.3	15.1-19.8	80	6.3	5.0-7.9
50 - 54	291	25.9	23.0-29.0	95	8.2	6.7-10.1
55 - 59	336	37.7	33.8-42.0	124	13.2	11.0-15.8
60 - 64	265	42.1	37.2-47.5	92	13.6	11.0-16.7
65 - 69	215	45.7	39.8-52.2	115	21.4	17.7-25.7
70 - 74	205	53.1	46.1-60.8	124	26.2	21.8-31.2
75 - 79	185	59.0	50.8-68.2	118	26.9	22.3-32.2
80 - 84	115	52.8	43.6-63.4	106	31.2	25.6-37.8
85 +	105	66.6	54.5-80.6	107	31.9	26.1-38.5
Total/Crude	2,190	13.3	12.8-13.9	1,109	6.8	6.4-7.2

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
Incidence

Table 3. Oral Cavity and Pharyngeal Cancer. 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, Sex, and Race/Ethnicity, Greater Bay Area, 2001-2005

County	MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI
ALL RACES						
SF Bay Area:	1,989	14.7	14.0-15.4	1,021	6.5	6.1-6.9
Alameda	446	14.0	12.7-15.5	248	6.7	5.9-7.6
Contra Costa	309	13.3	11.8-14.9	171	6.3	5.4-7.3
Marin	125	17.7	14.7-21.3	56	6.8	5.1-9.2
San Francisco	404	20.3	18.4-22.5	181	8.1	6.9-9.4
San Mateo	226	13.2	11.5-15.1	132	6.5	5.5-7.8
Santa Clara	479	13.2	12.0-14.5	233	5.6	4.9-6.4
Monterey Bay Area:	201	13.5	11.7-15.6	88	5.1	4.1-6.3
Monterey	105	13.0	10.6-15.8	52	5.4	4.0-7.1
San Benito	15	14.6	8.0-25.6	<5	-	-
Santa Cruz	81	13.8	10.9-17.5	33	5.1	3.5-7.3
WHITE (non-Hispanic)						
SF Bay Area:	1,281	16.1	15.3-17.1	644	7.1	6.5-7.7
Alameda	248	15.3	13.4-17.4	142	7.5	6.3-8.9
Contra Costa	234	14.6	12.7-16.7	131	7.0	5.8-8.4
Marin	111	18.1	14.8-22.2	54	7.5	5.6-10.4
San Francisco	208	22.0	19.0-25.7	83	8.8	6.9-11.7
San Mateo	160	14.8	12.6-17.4	88	7.1	5.6-9.0
Santa Clara	320	15.6	13.9-17.5	146	6.2	5.2-7.4
Monterey Bay Area:	152	14.6	12.4-17.3	62	5.0	3.8-6.6
Monterey	79	15.9	12.6-20.0	35	5.7	3.9-8.3
San Benito	8	-	-	<5	-	-
Santa Cruz	65	13.3	10.1-17.3	24	4.4	2.8-7.0
BLACK (non-Hispanic)						
SF Bay Area:	149	15.9	13.4-18.9	67	5.8	4.5-7.4
Alameda	73	17.1	13.4-21.9	35	6.3	4.4-8.9
Contra Costa	22	12.1	7.4-19.8	11	-	-
Marin	<5	-	-	<5	-	-
San Francisco	28	18.5	12.3-27.2	14	-	-
San Mateo	9	-	-	5	-	-
Santa Clara	13	-	-	<5	-	-
Monterey Bay Area:	<5	-	-	<5	-	-
Monterey	<5	-	-	<5	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-

(Table Continues)

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Table 3. Oral Cavity and Pharyngeal Cancer. 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, Sex, and Race/Ethnicity, Greater Bay Area, 2001-2005

County	MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI
HISPANIC						
SF Bay Area:	149	8.6	7.2-10.4	66	3.5	2.7-4.5
Alameda	34	7.9	5.3-12.0	12	-	-
Contra Costa	19	7.3	4.3-12.9	12	-	-
Marin	<5	-	-	<5	-	-
San Francisco	24	13.0	8.1-19.9	9	-	-
San Mateo	22	9.8	5.9-16.3	9	-	-
Santa Clara	46	7.3	5.1-10.5	22	3.5	2.2-5.5
Monterey Bay Area:	31	10.8	6.8-16.9	11	-	-
Monterey	16	9.3	4.7-17.6	7	-	-
San Benito	5	-	-	<5	-	-
Santa Cruz	10	-	-	<5	-	-
ASIAN/PACIFIC ISLANDER (non-Hispanic)						
SF Bay Area:	378	12.3	11.0-13.6	225	6.2	5.4-7.1
Alameda	77	10.2	8.0-13.1	53	6.3	4.7-8.3
Contra Costa	29	10.2	6.6-15.5	12	-	-
Marin	<5	-	-	<5	-	-
San Francisco	142	21.0	17.7-24.9	74	9.0	7.0-11.6
San Mateo	33	8.6	5.8-12.9	25	5.3	3.4-8.1
Santa Clara	94	9.4	7.5-11.8	61	5.5	4.1-7.1
Monterey Bay Area:	11	-	-	9	-	-
Monterey	6	-	-	9	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-

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ORAL AND PHARYNGEAL CANCER  
Mortality

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

Year	TOTAL			MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI	Count	Rate	95% CI
ALL RACES									
1988	196	3.9	3.4-4.5	128	5.8	4.8-7.0	68	2.4	1.9-3.1
1989	215	4.4	3.8-5.0	138	6.5	5.4-7.7	77	2.7	2.2-3.4
1990	181	3.6	3.1-4.2	116	5.3	4.3-6.4	65	2.4	1.8-3.0
1991	208	4.1	3.6-4.8	148	6.9	5.8-8.2	60	2.1	1.6-2.7
1992	178	3.4	2.9-4.0	123	5.4	4.4-6.5	55	1.9	1.4-2.4
1993	186	3.5	3.0-4.1	119	5.0	4.1-6.0	67	2.3	1.7-2.9
1994	180	3.4	2.9-3.9	117	4.9	4.1-6.0	63	2.1	1.6-2.7
1995	210	3.9	3.4-4.5	141	6.1	5.1-7.2	69	2.3	1.8-2.9
1996	165	3.0	2.6-3.5	105	4.3	3.5-5.2	60	1.9	1.5-2.5
1997	175	3.1	2.7-3.6	109	4.5	3.6-5.4	66	2.1	1.6-2.6
1998	191	3.3	2.9-3.8	115	4.5	3.7-5.4	76	2.3	1.8-2.9
1999	192	3.3	2.8-3.8	114	4.3	3.5-5.2	78	2.4	1.9-3.0
2000	169	2.8	2.4-3.3	104	4.0	3.3-4.9	65	1.9	1.5-2.5
2001	163	2.7	2.3-3.1	101	3.7	3.0-4.6	62	1.8	1.4-2.4
2002	175	2.8	2.4-3.3	114	4.1	3.3-4.9	61	1.7	1.3-2.2
2003	175	2.8	2.4-3.3	118	4.3	3.6-5.2	57	1.7	1.3-2.2
2004	150	2.3	2.0-2.7	102	3.6	2.9-4.4	48	1.3	1.0-1.8
2005	145	2.2	1.9-2.6	88	2.9	2.3-3.6	57	1.5	1.2-2.0
WHITE (non-Hispanic)									
1988	141	3.9	3.3-4.6	90	5.7	4.6-7.2	51	2.4	1.8-3.3
1989	154	4.3	3.7-5.1	91	6.1	4.8-7.5	63	3.1	2.4-4.0
1990	108	3.1	2.5-3.8	61	3.9	2.9-5.1	47	2.4	1.8-3.3
1991	146	4.1	3.5-4.9	100	6.6	5.4-8.2	46	2.3	1.7-3.1
1992	129	3.6	3.0-4.3	87	5.6	4.5-7.0	42	2.0	1.4-2.8
1993	131	3.6	3.0-4.3	78	4.8	3.8-6.1	53	2.5	1.8-3.3
1994	122	3.4	2.8-4.1	74	4.8	3.7-6.1	48	2.3	1.7-3.2
1995	143	3.9	3.3-4.7	97	6.2	5.0-7.6	46	2.2	1.6-3.0
1996	109	3.0	2.4-3.6	67	4.2	3.2-5.4	42	1.9	1.4-2.7
1997	117	3.1	2.6-3.8	67	4.2	3.2-5.4	50	2.3	1.7-3.1
1998	136	3.7	3.1-4.3	74	4.5	3.5-5.6	62	2.8	2.1-3.7
1999	122	3.2	2.7-3.9	63	3.8	2.9-4.9	59	2.7	2.0-3.5
2000	103	2.7	2.2-3.3	60	3.8	2.9-4.9	43	2.0	1.4-2.8
2001	103	2.7	2.2-3.3	57	3.4	2.6-4.5	46	2.1	1.5-2.9
2002	108	2.8	2.3-3.4	66	3.8	2.9-4.9	42	1.9	1.3-2.6
2003	98	2.6	2.1-3.2	63	3.8	2.9-4.9	35	1.7	1.2-2.4
2004	93	2.4	1.9-3.0	59	3.5	2.6-4.5	34	1.5	1.0-2.2
2005	85	2.2	1.7-2.7	50	2.7	2.0-3.7	35	1.6	1.1-2.4

(Table Continues)

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
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Table 4. Oral Cavity and Pharyngeal Cancer. Annual Death Counts, Age-Adjusted (2000 US Population Standard) Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Sex and Race/Ethnicity, Greater Bay Area, 1988-2005

Year	TOTAL			MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI	Count	Rate	95% CI
BLACK (non-Hispanic)									
1988	25	6.7	4.3-10.5	18	11.0	6.3-20.2	7	-	-
1989	20	5.8	3.5-9.6	17	12.3	6.5-22.6	<5	-	-
1990	25	7.1	4.5-10.9	23	15.4	9.4-25.4	<5	-	-
1991	24	6.9	4.4-10.6	17	12.1	6.7-21.4	7	-	-
1992	13	-	-	12	-	-	<5	-	-
1993	12	-	-	9	-	-	<5	-	-
1994	16	4.4	2.5-7.4	14	-	-	<5	-	-
1995	20	5.7	3.4-9.0	14	-	-	6	-	-
1996	15	4.1	2.3-7.0	13	-	-	<5	-	-
1997	11	-	-	9	-	-	<5	-	-
1998	16	4.2	2.4-6.9	11	-	-	5	-	-
1999	15	3.8	2.1-6.4	10	-	-	5	-	-
2000	15	3.7	2.1-6.3	9	-	-	6	-	-
2001	19	4.5	2.7-7.2	13	-	-	6	-	-
2002	18	4.4	2.6-7.1	11	-	-	7	-	-
2003	19	4.7	2.8-7.5	12	-	-	7	-	-
2004	13	-	-	11	-	-	<5	-	-
2005	7	-	-	<5	-	-	<5	-	-
HISPANIC									
1988	6	-	-	<5	-	-	<5	-	-
1989	13	-	-	9	-	-	<5	-	-
1990	20	4.6	2.8-7.5	10	-	-	10	-	-
1991	8	-	-	7	-	-	<5	-	-
1992	8	-	-	6	-	-	<5	-	-
1993	12	-	-	8	-	-	<5	-	-
1994	11	-	-	9	-	-	<5	-	-
1995	17	3.0	1.7-5.1	9	-	-	8	-	-
1996	6	-	-	<5	-	-	<5	-	-
1997	13	-	-	12	-	-	<5	-	-
1998	7	-	-	7	-	-	<5	-	-
1999	13	-	-	9	-	-	<5	-	-
2000	10	-	-	5	-	-	5	-	-
2001	9	-	-	7	-	-	<5	-	-
2002	14	-	-	11	-	-	<5	-	-
2003	16	2.3	1.3-3.9	11	-	-	5	-	-
2004	7	-	-	5	-	-	<5	-	-
2005	15	1.7	0.9-3.0	10	-	-	5	-	-

(Table Continues)

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
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Table 4. Oral Cavity and Pharyngeal Cancer. Annual Death Counts, Age-Adjusted (2000 US Population Standard) Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Sex and Race/Ethnicity, Greater Bay Area, 1988-2005

Year	TOTAL			MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI	Count	Rate	95% CI
ASIAN/PACIFIC ISLANDER (non-Hispanic)									
1988	23	4.2	2.6-6.8	15	5.3	2.9-10.5	8	-	-
1989	28	4.4	2.9-6.8	21	7.2	4.4-12.2	7	-	-
1990	28	4.9	3.2-7.5	22	8.3	5.0-13.7	6	-	-
1991	29	4.3	2.8-6.6	23	6.8	4.3-11.2	6	-	-
1992	28	3.8	2.5-5.9	18	4.9	2.9-8.7	10	-	-
1993	30	3.5	2.4-5.3	24	6.2	3.9-10.0	6	-	-
1994	31	3.7	2.5-5.5	20	4.9	2.9-8.2	11	-	-
1995	30	3.5	2.3-5.2	21	5.4	3.3-8.8	9	-	-
1996	35	3.6	2.5-5.2	21	4.7	2.9-7.7	14	-	-
1997	33	3.4	2.3-5.0	21	4.9	3.0-7.9	12	-	-
1998	31	3.1	2.1-4.5	22	5.1	3.1-8.3	9	-	-
1999	41	3.6	2.5-5.0	31	5.8	3.9-8.7	10	-	-
2000	40	3.5	2.4-4.8	29	5.2	3.4-7.8	11	-	-
2001	32	2.6	1.8-3.7	24	4.4	2.7-6.8	8	-	-
2002	34	2.8	1.9-4.0	25	4.3	2.8-6.7	9	-	-
2003	42	3.3	2.4-4.6	32	5.9	3.9-8.5	10	-	-
2004	37	2.7	1.9-3.8	27	4.6	3.0-6.8	10	-	-
2005	38	2.6	1.8-3.6	24	3.6	2.3-5.5	14	-	-

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

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Table 5. Oral Cavity and Pharyngeal Cancer. 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	MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI
00 - 04	<5	-	-	<5	-	-
05 - 09	<5	-	-	<5	-	-
10 - 14	<5	-	-	<5	-	-
15 - 19	<5	-	-	<5	-	-
20 - 24	<5	-	-	<5	-	-
25 - 29	<5	-	-	<5	-	-
30 - 34	5	-	-	<5	-	-
35 - 39	7	-	-	<5	-	-
40 - 44	15	1.1	0.6-1.7	<5	-	-
45 - 49	44	3.4	2.5-4.6	14	-	-
50 - 54	51	4.5	3.4-6.0	16	1.4	0.8-2.3
55 - 59	55	6.2	4.7-8.0	15	1.6	0.9-2.6
60 - 64	67	10.7	8.3-13.5	30	4.4	3.0-6.3
65 - 69	74	15.7	12.3-19.7	24	4.5	2.9-6.6
70 - 74	52	13.5	10.1-17.7	34	7.2	5.0-10.0
75 - 79	66	21.1	16.3-26.8	38	8.7	6.1-11.9
80 - 84	45	20.7	15.1-27.6	51	15.0	11.2-19.8
85 +	38	24.1	17.1-33.1	50	14.9	11.1-19.6
Total/Crude	523	3.2	2.9-3.5	285	1.7	1.5-2.0

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
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Table 6. Oral Cavity and Pharyngeal Cancer. 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, Sex, and Race/Ethnicity, Greater Bay Area, 2001-2005

County	MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI
ALL RACES						
SF Bay Area:	477	3.7	3.4-4.1	268	1.7	1.5-1.9
Alameda	112	3.7	3.1-4.5	62	1.6	1.3-2.1
Contra Costa	73	3.4	2.7-4.4	46	1.7	1.2-2.3
Marin	23	3.3	2.1-5.1	20	2.4	1.5-4.1
San Francisco	113	5.9	4.8-7.1	58	2.4	1.8-3.2
San Mateo	59	3.6	2.7-4.7	28	1.3	0.8-1.9
Santa Clara	97	3.0	2.4-3.7	54	1.3	1.0-1.7
Monterey Bay Area:	46	3.2	2.3-4.4	17	1.0	0.6-1.6
Monterey	28	3.6	2.4-5.3	12	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	15	2.7	1.5-4.6	<5	-	-
WHITE (non-Hispanic)						
SF Bay Area:	265	3.5	3.1-3.9	179	1.9	1.6-2.2
Alameda	53	3.4	2.5-4.5	33	1.6	1.1-2.4
Contra Costa	49	3.3	2.4-4.4	37	1.9	1.3-2.7
Marin	21	3.4	2.1-5.7	17	2.2	1.3-4.2
San Francisco	45	5.0	3.6-7.3	33	3.1	2.1-5.2
San Mateo	42	3.9	2.8-5.5	19	1.2	0.7-2.3
Santa Clara	55	2.8	2.1-3.7	40	1.7	1.2-2.4
Monterey Bay Area:	30	3.1	2.1-4.5	13	-	-
Monterey	18	3.7	2.2-6.2	9	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	11	-	-	<5	-	-
BLACK (non-Hispanic)						
SF Bay Area:	50	5.6	4.1-7.6	25	2.2	1.4-3.2
Alameda	22	5.4	3.3-8.4	11	-	-
Contra Costa	9	-	-	6	-	-
Marin	<5	-	-	<5	-	-
San Francisco	11	-	-	<5	-	-
San Mateo	<5	-	-	<5	-	-
Santa Clara	<5	-	-	<5	-	-
Monterey Bay Area:	<5	-	-	<5	-	-
Monterey	<5	-	-	<5	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-

(Table Continues)

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.

ORAL AND PHARYNGEAL CANCER  
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Table 6. Oral Cavity and Pharyngeal Cancer. 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, Sex, and Race/Ethnicity, Greater Bay Area, 2001-2005

County	MALES*			FEMALES		
	Count	Rate	95% CI	Count	Rate	95% CI
HISPANIC						
SF Bay Area:	36	2.6	1.7-3.8	15	0.9	0.5-1.5
Alameda	14	-	-	<5	-	-
Contra Costa	<5	-	-	<5	-	-
Marin	<5	-	-	<5	-	-
San Francisco	<5	-	-	<5	-	-
San Mateo	5	-	-	<5	-	-
Santa Clara	11	-	-	6	-	-
Monterey Bay Area:	8	-	-	<5	-	-
Monterey	5	-	-	<5	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-
ASIAN/PACIFIC ISLANDER (non-Hispanic)						
SF Bay Area:	125	4.4	3.7-5.3	49	1.4	1.1-1.9
Alameda	23	3.3	2.1-5.2	17	2.1	1.2-3.5
Contra Costa	12	-	-	<5	-	-
Marin	<5	-	-	<5	-	-
San Francisco	54	8.0	6.0-10.6	19	2.1	1.3-3.6
San Mateo	9	-	-	<5	-	-
Santa Clara	27	3.3	2.1-5.1	7	-	-
Monterey Bay Area:	7	-	-	<5	-	-
Monterey	<5	-	-	<5	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-

\*Veterans Health Administration hospitals did not report cancer cases in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution.