

LIVER CANCER
Incidence

Table 1. Liver 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	202	4.0	3.4-4.6	152	6.9	5.8-8.1	50	1.8	1.3-2.4
1989	187	3.8	3.3-4.4	142	6.7	5.6-8.0	45	1.6	1.2-2.1
1990	218	4.2	3.7-4.8	149	6.3	5.3-7.5	69	2.4	1.9-3.0
1991	238	4.7	4.1-5.4	168	7.4	6.3-8.7	70	2.5	2.0-3.2
1992	258	4.9	4.4-5.6	180	7.9	6.8-9.3	78	2.7	2.1-3.4
1993	284	5.4	4.8-6.0	204	8.7	7.5-10.1	80	2.7	2.1-3.4
1994	287	5.3	4.7-6.0	226	9.5	8.3-10.9	61	2.0	1.6-2.6
1995	272	5.0	4.4-5.6	199	8.2	7.0-9.4	73	2.4	1.9-3.0
1996	376	6.7	6.1-7.5	280	11.1	9.8-12.5	96	3.2	2.6-3.9
1997	378	6.7	6.0-7.4	270	10.5	9.2-11.8	108	3.5	2.9-4.2
1998	391	6.7	6.0-7.4	275	10.3	9.1-11.6	116	3.6	3.0-4.3
1999	408	6.9	6.2-7.6	300	10.9	9.7-12.2	108	3.4	2.8-4.1
2000	386	6.4	5.8-7.1	279	10.0	8.8-11.3	107	3.3	2.7-4.0
2001	486	7.9	7.2-8.7	353	12.5	11.2-13.9	133	4.0	3.4-4.8
2002	434	6.9	6.3-7.6	305	10.5	9.4-11.8	129	3.8	3.2-4.5
2003	508	7.9	7.2-8.7	370	12.3	11.0-13.6	138	4.1	3.4-4.8
2004	516	7.9	7.2-8.6	392	12.9	11.6-14.3	124	3.6	3.0-4.3
2005	573	8.6	7.9-9.3	406	12.9	11.6-14.2	167	4.7	4.0-5.4
WHITE (non-Hispanic)									
1988	80	2.2	1.8-2.8	56	3.8	2.8-5.1	24	1.2	0.8-1.9
1989	74	2.1	1.6-2.6	53	3.6	2.7-4.8	21	1.0	0.6-1.6
1990	78	2.1	1.7-2.7	54	3.3	2.5-4.5	24	1.2	0.7-1.8
1991	85	2.4	1.9-3.0	57	3.7	2.8-4.9	28	1.5	1.0-2.2
1992	102	2.9	2.3-3.5	66	4.3	3.3-5.6	36	1.8	1.2-2.5
1993	123	3.4	2.8-4.1	83	5.3	4.2-6.6	40	1.9	1.4-2.7
1994	102	2.8	2.3-3.5	79	5.1	4.0-6.4	23	1.1	0.7-1.7
1995	107	3.0	2.4-3.6	86	5.4	4.3-6.8	21	1.0	0.6-1.6
1996	140	3.9	3.2-4.6	103	6.3	5.2-7.7	37	1.8	1.3-2.6
1997	139	3.8	3.2-4.5	106	6.4	5.2-7.8	33	1.6	1.1-2.3
1998	142	3.9	3.2-4.6	103	6.1	5.0-7.5	39	1.9	1.3-2.6
1999	137	3.7	3.1-4.4	103	6.0	4.9-7.3	34	1.7	1.2-2.4
2000	147	4.0	3.4-4.7	104	6.1	4.9-7.4	43	2.2	1.6-3.1
2001	173	4.6	3.9-5.3	125	7.2	6.0-8.7	48	2.3	1.7-3.1
2002	141	3.7	3.1-4.4	97	5.4	4.4-6.7	44	2.0	1.4-2.8
2003	184	4.8	4.1-5.6	135	7.5	6.2-8.9	49	2.4	1.7-3.3
2004	166	4.2	3.6-4.9	128	6.9	5.7-8.3	38	1.7	1.2-2.5
2005	209	5.3	4.6-6.1	152	8.1	6.9-9.6	57	2.7	2.0-3.6

(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.

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Table 1. Liver 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	19	5.7	3.3-9.4	14	-	-	5	-	-
1989	23	7.1	4.4-11.1	19	14.0	8.0-24.5	<5	-	-
1990	19	5.2	3.1-8.6	11	-	-	8	-	-
1991	23	6.8	4.2-10.5	18	11.3	6.6-19.7	5	-	-
1992	26	6.6	4.3-10.1	21	12.2	7.5-20.5	5	-	-
1993	26	7.1	4.6-10.8	21	12.8	7.8-21.3	5	-	-
1994	21	5.9	3.6-9.3	17	11.3	6.3-19.7	<5	-	-
1995	24	6.2	4.0-9.5	15	8.0	4.5-14.8	9	-	-
1996	39	10.0	7.1-13.8	26	14.8	9.6-23.0	13	-	-
1997	31	8.2	5.6-11.8	19	11.3	6.7-18.8	12	-	-
1998	30	7.2	4.9-10.5	22	11.4	7.1-18.5	8	-	-
1999	39	9.3	6.6-12.9	31	15.3	10.4-22.9	8	-	-
2000	33	8.0	5.5-11.4	25	13.4	8.6-20.8	8	-	-
2001	40	9.6	6.8-13.2	31	16.0	10.8-23.6	9	-	-
2002	34	8.4	5.8-11.9	22	12.5	7.7-20.0	12	-	-
2003	38	9.1	6.4-12.6	27	14.8	9.6-22.3	11	-	-
2004	58	13.2	10.0-17.2	44	21.0	15.2-28.9	14	-	-
2005	57	12.8	9.7-16.8	38	17.9	12.5-25.3	19	8.3	5.0-13.1
HISPANIC									
1988	21	4.7	2.8-7.7	14	-	-	7	-	-
1989	25	6.0	3.8-9.3	18	9.9	5.5-17.2	7	-	-
1990	24	4.5	2.8-7.1	16	6.6	3.6-12.1	8	-	-
1991	31	7.1	4.7-10.4	20	10.2	5.8-17.4	11	-	-
1992	23	4.5	2.8-7.1	14	-	-	9	-	-
1993	30	5.8	3.8-8.6	23	10.9	6.5-17.9	7	-	-
1994	44	8.6	6.1-11.8	36	16.5	11.1-24.2	8	-	-
1995	34	6.2	4.2-9.0	24	10.0	6.1-16.3	10	-	-
1996	48	8.2	5.9-11.2	39	15.7	10.7-22.8	9	-	-
1997	54	8.9	6.6-11.9	36	12.9	8.8-19.0	18	5.6	3.2-9.0
1998	64	10.1	7.7-13.2	45	14.4	10.2-20.5	19	6.0	3.6-9.7
1999	54	8.5	6.3-11.4	39	13.2	9.0-19.3	15	4.8	2.7-8.1
2000	64	9.3	7.0-12.1	41	13.3	9.2-19.1	23	6.1	3.9-9.5
2001	76	10.8	8.4-13.8	51	15.4	11.1-21.4	25	6.9	4.4-10.3
2002	73	9.7	7.5-12.4	51	13.7	9.9-19.1	22	5.9	3.7-9.1
2003	84	10.2	8.0-12.8	66	16.1	12.2-21.3	18	4.6	2.7-7.4
2004	85	10.6	8.4-13.3	61	16.4	12.3-21.8	24	5.8	3.7-8.7
2005	95	11.3	9.1-14.0	74	19.3	14.8-24.9	21	4.8	2.9-7.4

(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.

LIVER CANCER
Incidence

Table 1. Liver 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	81	13.2	10.4-17.0	67	23.8	18.1-31.8	14	-	-
1989	65	11.2	8.5-14.7	52	19.4	14.2-26.9	13	-	-
1990	95	14.4	11.6-18.0	67	21.8	16.7-28.8	28	8.1	5.3-12.4
1991	99	14.5	11.6-18.0	73	22.4	17.4-29.1	26	7.6	4.8-11.7
1992	105	15.5	12.5-19.2	79	25.6	19.9-32.9	26	7.5	4.8-11.4
1993	104	13.5	10.9-16.6	76	21.6	16.8-27.8	28	6.8	4.4-10.2
1994	120	14.5	11.9-17.6	94	24.4	19.6-30.5	26	6.2	4.0-9.5
1995	106	11.9	9.7-14.6	74	18.6	14.5-23.8	32	6.5	4.4-9.5
1996	146	15.7	13.2-18.7	110	26.0	21.2-31.8	36	7.3	5.1-10.4
1997	153	15.3	12.9-18.1	108	24.0	19.6-29.4	45	8.2	6.0-11.2
1998	153	15.1	12.7-17.8	104	22.6	18.3-27.9	49	8.9	6.5-12.0
1999	175	15.9	13.6-18.5	125	24.9	20.6-30.0	50	8.5	6.3-11.3
2000	137	11.7	9.8-13.9	105	19.6	16.0-24.1	32	5.2	3.5-7.4
2001	188	15.6	13.4-18.0	140	26.0	21.7-31.0	48	7.2	5.3-9.7
2002	176	14.0	12.0-16.3	127	22.8	18.9-27.3	49	7.1	5.3-9.5
2003	199	15.1	13.1-17.4	139	23.1	19.3-27.5	60	8.5	6.5-11.0
2004	202	15.0	13.0-17.3	154	25.8	21.8-30.5	48	6.5	4.8-8.7
2005	210	14.7	12.8-16.9	140	20.9	17.6-24.9	70	9.2	7.2-11.7

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Incidence

Table 2. Liver 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	13	-	-	7	-	-
05 - 09	<5	-	-	<5	-	-
10 - 14	<5	-	-	<5	-	-
15 - 19	<5	-	-	<5	-	-
20 - 24	<5	-	-	<5	-	-
25 - 29	5	-	-	<5	-	-
30 - 34	11	-	-	<5	-	-
35 - 39	27	1.9	1.2-2.7	<5	-	-
40 - 44	49	3.5	2.6-4.6	13	-	-
45 - 49	177	13.8	11.9-16.0	27	2.1	1.4-3.1
50 - 54	268	23.8	21.1-26.9	51	4.4	3.3-5.8
55 - 59	284	31.9	28.3-35.8	60	6.4	4.9-8.3
60 - 64	247	39.3	34.5-44.5	65	9.6	7.4-12.2
65 - 69	201	42.7	37.0-49.0	101	18.8	15.3-22.8
70 - 74	214	55.4	48.2-63.3	107	22.6	18.5-27.3
75 - 79	171	54.5	46.7-63.4	95	21.6	17.5-26.5
80 - 84	104	47.7	39.0-57.8	78	23.0	18.2-28.7
85 +	52	33.0	24.6-43.3	77	23.0	18.1-28.7
Total/Crude	1,826	11.1	10.6-11.6	691	4.2	3.9-4.5

*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.

LIVER CANCER
Incidence

Table 3. Liver 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:	1,695	12.6	12.0-13.3	640	4.1	3.8-4.4
Alameda	379	12.0	10.8-13.3	136	3.7	3.1-4.4
Contra Costa	181	8.0	6.8-9.3	84	3.1	2.5-3.9
Marin	46	6.3	4.6-8.6	23	2.9	1.8-4.6
San Francisco	439	22.5	20.4-24.8	169	7.2	6.2-8.5
San Mateo	195	11.3	9.7-13.0	69	3.4	2.6-4.3
Santa Clara	455	12.7	11.5-14.0	159	3.9	3.3-4.6
Monterey Bay Area:	131	8.5	7.1-10.1	51	3.1	2.3-4.1
Monterey	83	9.9	7.9-12.4	38	4.1	2.9-5.6
San Benito	9	-	-	<5	-	-
Santa Cruz	39	6.5	4.5-9.0	11	-	-
WHITE (non-Hispanic)						
SF Bay Area:	567	7.1	6.5-7.7	218	2.3	2.0-2.6
Alameda	102	6.1	4.9-7.5	41	2.1	1.5-2.9
Contra Costa	85	5.4	4.3-6.8	49	2.5	1.8-3.4
Marin	31	4.8	3.2-7.3	18	2.3	1.3-4.3
San Francisco	131	14.4	12.0-17.6	41	4.0	2.8-6.1
San Mateo	87	7.8	6.2-9.8	24	1.8	1.2-3.1
Santa Clara	131	6.4	5.3-7.6	45	1.9	1.4-2.6
Monterey Bay Area:	70	6.5	5.1-8.4	18	1.5	0.9-2.5
Monterey	40	7.8	5.5-10.9	10	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	27	5.7	3.7-8.6	8	-	-
BLACK (non-Hispanic)						
SF Bay Area:	157	16.6	14.1-19.6	63	5.6	4.3-7.2
Alameda	69	15.8	12.2-20.3	29	5.3	3.5-7.7
Contra Costa	19	9.8	5.8-16.7	14	-	-
Marin	<5	-	-	<5	-	-
San Francisco	47	30.5	22.4-40.9	13	-	-
San Mateo	7	-	-	<5	-	-
Santa Clara	11	-	-	6	-	-
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.

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Table 3. Liver 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:	258	16.7	14.6-19.1	91	5.3	4.3-6.6
Alameda	56	15.6	11.5-21.2	25	6.5	4.2-9.8
Contra Costa	30	14.3	9.3-21.8	6	-	-
Marin	<5	-	-	<5	-	-
San Francisco	46	22.8	16.5-31.0	20	8.4	5.1-13.2
San Mateo	32	16.4	10.8-24.5	8	-	-
Santa Clara	91	17.4	13.8-22.1	31	5.6	3.8-8.1
Monterey Bay Area:	45	14.7	10.1-21.2	19	7.1	4.2-11.5
Monterey	30	15.3	9.6-24.3	15	8.6	4.7-14.9
San Benito	6	-	-	<5	-	-
Santa Cruz	9	-	-	<5	-	-
ASIAN/PACIFIC ISLANDER (non-Hispanic)						
SF Bay Area:	690	24.0	22.2-25.9	264	7.7	6.8-8.7
Alameda	147	22.1	18.6-26.3	41	5.0	3.6-6.9
Contra Costa	44	16.7	11.9-23.3	14	-	-
Marin	6	-	-	<5	-	-
San Francisco	209	30.4	26.4-35.0	95	10.0	8.1-12.5
San Mateo	68	19.5	14.9-25.5	35	8.7	6.0-12.3
Santa Clara	216	24.7	21.4-28.6	77	8.1	6.4-10.3
Monterey Bay Area:	10	-	-	11	-	-
Monterey	9	-	-	11	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-

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LIVER CANCER
Mortality

Table 4. Liver 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	175	3.6	3.0-4.1	123	5.7	4.7-6.9	52	1.9	1.4-2.5
1989	166	3.4	2.9-4.0	118	5.6	4.6-6.8	48	1.7	1.3-2.3
1990	182	3.6	3.1-4.2	114	5.1	4.2-6.2	68	2.4	1.8-3.0
1991	216	4.3	3.7-4.9	143	6.3	5.3-7.5	73	2.6	2.0-3.2
1992	202	3.9	3.4-4.5	151	6.7	5.6-7.9	51	1.8	1.3-2.3
1993	234	4.4	3.9-5.1	156	6.8	5.7-8.0	78	2.6	2.1-3.3
1994	237	4.5	3.9-5.1	177	7.6	6.5-8.9	60	2.0	1.5-2.6
1995	226	4.2	3.6-4.8	163	6.8	5.8-8.0	63	2.0	1.6-2.6
1996	264	4.8	4.2-5.4	189	7.7	6.6-8.9	75	2.4	1.9-3.1
1997	271	4.8	4.3-5.4	178	7.1	6.1-8.3	93	3.0	2.4-3.6
1998	291	5.0	4.5-5.7	197	7.5	6.5-8.7	94	2.9	2.4-3.6
1999	308	5.3	4.7-5.9	222	8.3	7.2-9.5	86	2.6	2.1-3.2
2000	289	4.8	4.3-5.4	202	7.5	6.5-8.7	87	2.6	2.1-3.3
2001	311	5.1	4.5-5.7	227	8.1	7.1-9.3	84	2.5	2.0-3.1
2002	304	4.9	4.4-5.5	191	6.7	5.8-7.8	113	3.3	2.7-4.0
2003	343	5.5	4.9-6.1	234	8.2	7.1-9.3	109	3.1	2.6-3.8
2004	332	5.2	4.6-5.8	250	8.5	7.4-9.6	82	2.3	1.9-2.9
2005	333	5.1	4.5-5.7	228	7.5	6.5-8.5	105	3.0	2.4-3.6
WHITE (non-Hispanic)									
1988	81	2.3	1.8-2.9	47	3.4	2.5-4.6	34	1.6	1.1-2.3
1989	70	2.0	1.6-2.5	49	3.4	2.5-4.6	21	1.0	0.6-1.6
1990	71	2.0	1.5-2.5	44	2.8	2.0-3.9	27	1.3	0.8-1.9
1991	96	2.7	2.2-3.3	60	3.9	2.9-5.1	36	1.8	1.3-2.6
1992	90	2.5	2.0-3.1	65	4.2	3.2-5.4	25	1.2	0.8-1.9
1993	100	2.8	2.2-3.4	66	4.3	3.3-5.6	34	1.6	1.1-2.4
1994	100	2.7	2.2-3.4	66	4.4	3.4-5.7	34	1.6	1.1-2.3
1995	97	2.7	2.2-3.3	71	4.4	3.5-5.6	26	1.2	0.8-1.8
1996	111	3.0	2.5-3.7	78	4.9	3.8-6.1	33	1.6	1.1-2.3
1997	103	2.8	2.3-3.4	67	4.1	3.2-5.3	36	1.7	1.2-2.4
1998	125	3.4	2.8-4.0	83	5.0	4.0-6.2	42	2.0	1.4-2.7
1999	109	2.9	2.4-3.6	84	5.0	4.0-6.3	25	1.1	0.7-1.7
2000	115	3.1	2.5-3.7	77	4.6	3.6-5.8	38	1.9	1.3-2.6
2001	119	3.1	2.6-3.8	87	5.2	4.1-6.4	32	1.5	1.0-2.2
2002	113	3.0	2.4-3.6	58	3.3	2.5-4.3	55	2.6	1.9-3.4
2003	117	3.1	2.5-3.7	84	4.9	3.9-6.1	33	1.4	1.0-2.1
2004	113	2.9	2.4-3.5	87	4.8	3.8-6.0	26	1.1	0.7-1.7
2005	127	3.3	2.7-3.9	90	5.0	4.0-6.2	37	1.7	1.2-2.4

(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.

LIVER CANCER
Mortality

Table 4. Liver Cancer. Annual Death Counts, Age-Adjusted (2000 US Population Standard)
(cont) 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	15	4.2	2.3-7.5	12	-	-	<5	-	-
1989	23	7.1	4.4-11.2	15	10.0	5.5-18.9	8	-	-
1990	17	4.4	2.6-7.5	9	-	-	8	-	-
1991	20	5.8	3.5-9.3	13	-	-	7	-	-
1992	22	5.9	3.7-9.3	18	11.1	6.5-19.4	<5	-	-
1993	22	6.1	3.7-9.5	13	-	-	9	-	-
1994	20	5.6	3.4-8.9	19	12.0	7.1-20.3	<5	-	-
1995	24	6.3	4.0-9.5	16	9.5	5.2-17.2	8	-	-
1996	28	7.2	4.8-10.7	24	13.8	8.8-21.8	<5	-	-
1997	19	5.1	3.1-8.2	11	-	-	8	-	-
1998	19	4.7	2.8-7.5	14	-	-	5	-	-
1999	27	6.8	4.5-10.0	18	9.7	5.7-16.4	9	-	-
2000	27	6.6	4.3-9.7	24	12.6	8.0-19.8	<5	-	-
2001	36	8.8	6.1-12.3	28	14.4	9.5-21.8	8	-	-
2002	27	6.7	4.4-9.8	18	10.8	6.3-18.1	9	-	-
2003	33	8.3	5.7-11.8	21	12.4	7.6-19.7	12	-	-
2004	36	8.7	6.0-12.2	29	14.7	9.7-21.9	7	-	-
2005	32	7.2	4.9-10.4	22	9.9	6.2-15.7	10	-	-
HISPANIC									
1988	13	-	-	8	-	-	5	-	-
1989	19	4.6	2.7-7.5	12	-	-	7	-	-
1990	23	4.9	3.0-7.7	12	-	-	11	-	-
1991	26	5.7	3.6-8.6	21	10.8	6.3-17.9	5	-	-
1992	16	3.5	1.9-6.0	10	-	-	6	-	-
1993	18	4.1	2.4-6.7	10	-	-	8	-	-
1994	28	5.6	3.6-8.4	24	11.3	6.8-18.2	<5	-	-
1995	31	5.8	3.8-8.5	24	10.5	6.4-17.0	7	-	-
1996	32	5.9	3.9-8.6	23	10.3	6.2-16.7	9	-	-
1997	37	6.4	4.5-9.1	26	9.9	6.3-15.5	11	-	-
1998	43	6.8	4.8-9.4	29	9.4	6.1-14.7	14	-	-
1999	46	7.1	5.1-9.8	33	10.9	7.3-16.5	13	-	-
2000	40	6.5	4.6-9.1	27	9.6	6.0-15.0	13	-	-
2001	40	5.5	3.8-7.7	28	8.5	5.4-13.4	12	-	-
2002	55	7.4	5.5-9.8	38	9.8	6.8-14.3	17	4.7	2.8-7.7
2003	55	7.3	5.5-9.7	34	8.8	6.0-13.1	21	5.6	3.4-8.6
2004	66	8.3	6.4-10.8	44	11.9	8.4-16.6	22	5.4	3.3-8.2
2005	47	5.8	4.2-7.8	32	8.6	5.7-12.7	15	3.4	1.9-5.7

(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.

LIVER CANCER
Mortality

Table 4. Liver 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	66	10.5	8.0-13.9	56	18.9	14.1-26.0	10	-	-
1989	54	9.0	6.7-12.2	42	15.5	11.0-22.3	12	-	-
1990	70	11.2	8.6-14.6	49	17.2	12.4-23.8	21	6.3	3.8-10.3
1991	72	10.4	8.1-13.5	48	14.4	10.5-20.0	24	7.0	4.4-11.0
1992	74	10.7	8.3-13.7	58	18.1	13.5-24.2	16	4.7	2.6-8.1
1993	91	12.4	9.9-15.6	64	18.4	14.0-24.2	27	7.4	4.7-11.2
1994	89	10.9	8.6-13.6	68	17.4	13.4-22.6	21	5.5	3.3-8.7
1995	74	8.9	6.9-11.3	52	13.7	10.1-18.5	22	4.9	3.0-7.7
1996	93	10.2	8.2-12.7	64	15.4	11.7-20.1	29	6.0	4.0-8.9
1997	111	11.8	9.7-14.4	74	17.6	13.6-22.6	37	7.2	5.0-10.2
1998	104	10.4	8.5-12.8	71	15.6	12.0-20.2	33	6.2	4.2-8.9
1999	125	11.6	9.6-14.0	87	17.6	14.0-22.0	38	6.7	4.7-9.4
2000	105	9.4	7.6-11.5	73	14.5	11.2-18.5	32	5.3	3.6-7.6
2001	116	9.7	8.0-11.8	84	16.0	12.6-20.2	32	4.8	3.2-6.8
2002	109	8.8	7.2-10.6	77	13.9	10.9-17.7	32	4.7	3.2-6.7
2003	137	10.8	9.0-12.8	94	16.4	13.2-20.3	43	6.2	4.5-8.5
2004	117	8.9	7.3-10.7	90	15.3	12.2-19.0	27	3.8	2.5-5.5
2005	125	9.1	7.5-10.8	82	13.1	10.3-16.4	43	5.7	4.1-7.8

*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.

LIVER CANCER
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Table 5. Liver 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	7	-	-	<5	-	-
35 - 39	17	1.2	0.7-1.9	<5	-	-
40 - 44	32	2.3	1.5-3.2	6	-	-
45 - 49	91	7.1	5.7-8.7	19	1.5	0.9-2.4
50 - 54	148	13.2	11.1-15.5	25	2.2	1.4-3.2
55 - 59	153	17.2	14.6-20.1	27	2.9	1.9-4.2
60 - 64	144	22.9	19.3-27.0	35	5.2	3.6-7.2
65 - 69	123	26.1	21.7-31.2	64	11.9	9.2-15.2
70 - 74	154	39.9	33.8-46.7	91	19.2	15.5-23.6
75 - 79	125	39.9	33.2-47.5	67	15.3	11.8-19.4
80 - 84	75	34.4	27.1-43.2	74	21.8	17.1-27.4
85 +	54	34.3	25.7-44.7	76	22.7	17.8-28.4
Total/Crude	1,130	6.9	6.5-7.3	493	3.0	2.8-3.3

*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.

LIVER CANCER
Mortality

Table 6. Liver 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:	1,051	8.1	7.6-8.6	449	2.9	2.6-3.1
Alameda	251	8.2	7.2-9.3	109	3.0	2.5-3.7
Contra Costa	111	5.0	4.1-6.0	53	1.9	1.4-2.5
Marin	31	4.7	3.2-6.9	14	-	-
San Francisco	290	14.9	13.3-16.8	109	4.5	3.6-5.5
San Mateo	106	6.3	5.2-7.7	43	2.1	1.5-2.9
Santa Clara	262	7.7	6.8-8.8	121	3.0	2.5-3.6
Monterey Bay Area:	79	5.3	4.1-6.6	44	2.7	2.0-3.6
Monterey	55	6.6	4.9-8.7	31	3.4	2.3-4.8
San Benito	6	-	-	<5	-	-
Santa Cruz	18	3.2	1.8-5.2	12	-	-
WHITE (non-Hispanic)						
SF Bay Area:	365	4.8	4.3-5.3	165	1.7	1.4-2.0
Alameda	67	4.2	3.2-5.4	36	1.8	1.3-2.6
Contra Costa	59	3.8	2.9-4.9	32	1.5	1.0-2.3
Marin	23	3.9	2.5-6.3	12	-	-
San Francisco	90	10.2	8.1-13.0	28	2.3	1.5-4.2
San Mateo	50	4.6	3.4-6.2	18	1.3	0.7-2.4
Santa Clara	76	3.9	3.1-5.0	39	1.6	1.1-2.3
Monterey Bay Area:	41	3.9	2.8-5.5	18	1.6	0.9-2.7
Monterey	24	4.8	3.0-7.4	10	-	-
San Benito	<5	-	-	<5	-	-
Santa Cruz	16	3.6	2.0-6.1	8	-	-
BLACK (non-Hispanic)						
SF Bay Area:	113	12.4	10.2-15.1	44	4.0	2.9-5.3
Alameda	55	12.8	9.6-17.0	23	4.3	2.7-6.6
Contra Costa	16	9.8	5.3-17.5	7	-	-
Marin	<5	-	-	<5	-	-
San Francisco	32	21.2	14.4-30.3	9	-	-
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.

LIVER CANCER
Mortality

Table 6. Liver 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:	149	9.7	8.1-11.6	71	4.3	3.4-5.4
Alameda	36	10.2	6.9-14.8	22	6.1	3.8-9.4
Contra Costa	15	7.6	4.0-13.8	5	-	-
Marin	<5	-	-	<5	-	-
San Francisco	32	16.2	11.0-23.5	11	-	-
San Mateo	12	-	-	<5	-	-
Santa Clara	52	9.4	6.9-12.9	29	5.1	3.4-7.5
Monterey Bay Area:	27	9.5	5.8-15.2	16	4.9	2.7-8.6
Monterey	20	11.0	6.2-19.3	13	-	-
San Benito	5	-	-	<5	-	-
Santa Cruz	<5	-	-	<5	-	-
ASIAN/PACIFIC ISLANDER (non-Hispanic)						
SF Bay Area:	421	15.1	13.7-16.7	169	5.0	4.3-5.9
Alameda	93	14.3	11.4-17.8	28	3.6	2.4-5.2
Contra Costa	21	7.3	4.4-12.0	9	-	-
Marin	<5	-	-	<5	-	-
San Francisco	136	19.9	16.7-23.7	61	6.4	4.9-8.5
San Mateo	41	12.5	8.8-17.8	20	5.2	3.2-8.2
Santa Clara	127	15.8	13.0-19.1	50	5.4	4.0-7.2
Monterey Bay Area:	6	-	-	8	-	-
Monterey	6	-	-	6	-	-
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.