

SECTION XVIII

Table XVIII-1. Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-1999, Liver Cancer

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
All Races												
1988	811	573	238	3.5	5.6	1.8	783	525	258	3.4	5.2	2.0
1989	793	539	254	3.3	5.1	1.9	738	484	254	3.2	4.8	1.9
1990	941	656	285	3.8	5.9	2.1	816	527	289	3.3	4.9	2.1
1991	977	673	304	3.8	5.9	2.1	905	595	310	3.6	5.3	2.2
1992	1,068	733	335	4.1	6.4	2.3	959	646	313	3.8	5.8	2.2
1993	1,117	761	356	4.2	6.4	2.4	976	640	336	3.7	5.5	2.3
1994	1,156	828	328	4.3	6.9	2.2	1,015	698	317	3.8	6.0	2.1
1995	1,263	870	393	4.6	7.1	2.6	1,075	709	366	4.0	6.0	2.4
1996	1,380	929	451	5.0	7.4	2.9	1,114	745	369	4.0	6.1	2.4
1997	1,419	992	427	5.0	7.6	2.7	1,256	827	429	4.4	6.6	2.7
1998	1,570	1,113	457	5.4	8.3	2.8	1,267	857	410	4.4	6.5	2.5
1999	1,528	1,065	463	5.1	7.6	2.8	1,276	870	406	4.3	6.4	2.4
Asian/Pacific Islander												
1988	197	154	43	12.3	20.3	5.5	160	129	31	10.0	17.0	4.0
1989	187	136	51	11.4	17.8	6.1	157	116	41	9.7	15.1	5.3
1990	243	181	62	13.1	20.7	6.7	189	142	47	10.5	16.7	5.3
1991	277	205	72	13.9	22.2	6.8	205	146	59	10.3	15.7	5.8
1992	297	218	79	15.0	23.6	8.0	212	156	56	10.7	16.6	5.7
1993	297	196	101	13.6	19.2	8.8	246	167	79	11.6	16.5	7.4
1994	323	231	92	13.8	21.5	7.4	259	183	76	11.5	17.7	6.4
1995	359	256	103	14.8	23.1	7.9	251	174	77	10.8	16.5	6.2
1996	378	271	107	14.6	22.9	7.8	272	194	78	10.6	16.5	5.7
1997	393	276	117	14.1	21.6	7.8	314	212	102	11.5	16.9	7.0
1998	440	324	116	14.9	23.9	7.4	306	217	89	10.6	16.2	5.9
1999	436	310	126	14.1	21.5	7.8	332	232	100	11.0	16.5	6.4
Black												
1988	65	45	20	5.1	8.0	2.9	66	42	24	5.0	6.8	3.5
1989	71	53	18	5.3	9.0	2.5	71	48	23	5.5	8.6	3.2
1990	61	34	27	4.3	5.2	3.4	54	24	30	3.9	3.8	3.8
1991	72	50	22	5.1	8.1	2.8	75	50	25	5.5	8.6	3.2
1992	80	53	27	5.4	8.1	3.3	74	51	23	5.1	8.4	2.7
1993	83	63	20	5.5	9.2	2.4	67	39	28	4.6	6.1	3.3
1994	79	61	18	5.2	9.0	2.2	80	57	23	5.3	8.2	2.9
1995	94	64	30	6.0	8.9	3.6	86	58	28	5.6	8.7	3.3
1996	101	66	35	6.3	9.7	3.9	78	58	20	5.1	9.2	2.4
1997	99	69	30	5.9	9.3	3.2	92	61	31	5.5	8.4	3.3
1998	109	81	28	6.2	10.2	2.9	93	70	23	5.5	9.5	2.4
1999	111	83	28	6.4	10.5	3.0	101	69	32	6.1	8.9	3.6

(Table Continues)

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.

Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.

Note: *In situ* cancers are excluded, unless specified. Rates based on fewer than 15 cases or deaths are not shown. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Table XVIII-1. Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-1999, Liver Cancer (continued)

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
Hispanic												
1988	151	102	49	5.4	7.6	3.5	126	80	46	4.9	6.8	3.4
1989	131	88	43	4.4	6.3	2.8	113	69	44	4.3	5.4	3.3
1990	177	118	59	5.6	8.1	3.6	142	90	52	4.9	6.8	3.4
1991	168	117	51	5.0	7.9	2.7	160	106	54	4.8	7.2	3.0
1992	190	122	68	5.7	8.1	3.7	149	94	55	4.7	6.8	3.1
1993	206	147	59	5.6	9.0	2.9	162	104	58	4.6	6.7	3.0
1994	219	164	55	5.5	9.1	2.6	166	123	43	4.6	7.5	2.3
1995	261	174	87	6.6	9.5	4.1	205	135	70	5.3	7.7	3.3
1996	280	188	92	6.5	9.4	4.0	206	133	73	4.8	6.9	3.2
1997	304	210	94	6.7	10.0	3.9	236	163	73	5.5	8.2	3.3
1998	343	241	102	7.2	10.8	4.1	272	186	86	6.0	8.6	3.6
1999	343	240	103	6.8	9.8	4.0	278	187	91	5.8	8.3	3.7
Non-Hispanic White												
1988	394	268	126	2.3	3.6	1.3	428	272	156	2.5	3.7	1.5
1989	402	260	142	2.3	3.4	1.4	396	251	145	2.3	3.5	1.4
1990	455	321	134	2.5	4.0	1.3	428	271	157	2.3	3.4	1.5
1991	453	298	155	2.4	3.7	1.5	460	291	169	2.5	3.6	1.6
1992	497	338	159	2.7	4.1	1.5	520	343	177	2.8	4.2	1.6
1993	523	349	174	2.8	4.2	1.6	497	326	171	2.6	4.0	1.6
1994	527	364	163	2.8	4.4	1.5	510	335	175	2.7	4.1	1.6
1995	545	375	170	2.9	4.5	1.6	532	342	190	2.8	4.1	1.7
1996	615	400	215	3.2	4.7	2.0	554	358	196	2.9	4.3	1.7
1997	611	429	182	3.2	4.9	1.7	610	388	222	3.1	4.6	2.0
1998	669	462	207	3.4	5.3	1.9	593	381	212	3.0	4.4	1.9
1999	612	414	198	3.1	4.6	1.8	560	380	180	2.8	4.3	1.5

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.
 Note: *In situ* cancers are excluded, unless specified. Rates based on fewer than 15 cases or deaths are not shown.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

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Table XVIII-2. 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, 1995-1999, Liver Cancer

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 1995-99			Annual Rate			Deaths 1995-99			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
All Races												
00 - 04	52	28	24	0	0	0	17	8	9	0	0	0
05 - 09	10	3	7	0	0	0	7	5	2	0	0	0
10 - 14	16	7	9	0	0	0	6	2	4	0	0	0
15 - 19	20	11	9	0	0	0	14	4	10	0	0	0
20 - 24	16	9	7	0	0	0	9	5	4	0	0	0
25 - 29	30	17	13	0	0	0	21	14	7	0	0	0
30 - 34	51	39	12	0	1	0	34	28	6	0	0	0
35 - 39	97	68	29	1	1	0	71	47	24	0	1	0
40 - 44	271	214	57	2	3	1	192	156	36	1	2	1
45 - 49	577	494	83	5	9	1	373	316	57	3	6	1
50 - 54	636	525	111	7	12	3	442	367	75	5	8	2
55 - 59	681	531	150	10	16	4	495	372	123	7	11	4
60 - 64	890	642	248	16	24	9	666	496	170	12	19	6
65 - 69	1,028	723	305	20	31	11	834	557	277	16	24	10
70 - 74	1,017	656	361	22	32	14	916	611	305	20	30	12
75 - 79	878	529	349	24	35	17	850	494	356	23	33	17
80 - 84	493	284	209	21	31	14	557	302	255	23	33	17
85 +	397	189	208	20	32	15	484	224	260	25	37	19
Total/Crude	7,160	4,969	2,191	4	6	3	5,988	4,008	1,980	4	5	2
Asian/Pacific Islander												
00 - 04	6	1	5	0	0	1	1	0	1	0	0	0
05 - 09	1	1	0	0	0	0	1	1	0	0	0	0
10 - 14	7	4	3	1	1	0	3	2	1	0	0	0
15 - 19	7	5	2	1	1	0	6	3	3	0	0	0
20 - 24	8	3	5	1	0	1	2	2	0	0	0	0
25 - 29	8	7	1	1	1	0	7	5	2	0	1	0
30 - 34	27	26	1	2	4	0	18	18	0	1	2	0
35 - 39	42	35	7	3	5	1	27	23	4	2	3	0
40 - 44	100	75	25	7	10	3	65	53	12	4	7	2
45 - 49	160	141	19	12	23	3	116	99	17	9	16	3
50 - 54	174	143	31	19	33	6	116	90	26	13	21	5
55 - 59	205	168	37	29	50	10	138	107	31	20	32	8
60 - 64	286	197	89	50	75	29	188	139	49	33	53	16
65 - 69	309	215	94	62	98	33	216	140	76	43	64	27
70 - 74	259	154	105	61	84	43	214	137	77	50	75	32
75 - 79	229	149	80	76	114	47	188	110	78	62	84	46
80 - 84	110	71	39	62	93	38	92	53	39	52	70	38
85 +	68	42	26	49	70	33	77	47	30	56	79	39
Total/Crude	2,006	1,437	569	11	16	6	1,475	1,029	446	8	12	5
Black												
00 - 04	2	2	0	0	0	0	1	1	0	0	0	0
05 - 09	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
15 - 19	2	0	2	0	0	0	0	0	0	0	0	0
20 - 24	1	0	1	0	0	0	1	0	1	0	0	0
25 - 29	2	0	2	0	0	0	2	1	1	0	0	0
30 - 34	3	1	2	0	0	0	2	1	1	0	0	0
35 - 39	13	7	6	1	1	1	12	5	7	1	1	1
40 - 44	27	21	6	3	5	1	23	19	4	3	4	1
45 - 49	55	46	9	8	13	2	40	32	8	5	9	2
50 - 54	77	64	13	14	25	5	49	43	6	9	17	2
55 - 59	60	46	14	14	23	6	52	40	12	12	20	5
60 - 64	73	52	21	21	32	11	59	45	14	17	28	7
65 - 69	71	51	20	25	41	13	65	48	17	23	39	11
70 - 74	51	33	18	21	33	13	52	35	17	22	35	12
75 - 79	44	26	18	26	39	17	45	24	21	26	36	20
80 - 84	18	7	11	17	19	16	23	10	13	21	27	19
85 +	15	7	8	18	29	14	24	12	12	29	49	20
Total/Crude	514	363	151	4	6	3	450	316	134	4	6	2

(Table Continues)

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.

Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.

Note: *In situ* cancers are excluded, unless specified. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

LIVER CANCER

Table XVIII-2. 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, 1995-1999, Liver Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 1995-99			Annual Rate			Deaths 1995-99			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
Hispanic												
00 - 04	26	14	12	0	0	0	10	6	4	0	0	0
05 - 09	7	1	6	0	0	0	4	2	2	0	0	0
10 - 14	5	2	3	0	0	0	3	0	3	0	0	0
15 - 19	2	1	1	0	0	0	2	0	2	0	0	0
20 - 24	1	1	0	0	0	0	1	1	0	0	0	0
25 - 29	9	4	5	0	0	0	7	4	3	0	0	0
30 - 34	10	7	3	0	0	0	8	6	2	0	0	0
35 - 39	21	13	8	1	1	0	12	7	5	0	0	0
40 - 44	54	48	6	2	3	0	37	33	4	1	2	0
45 - 49	128	110	18	5	9	2	81	69	12	3	6	1
50 - 54	140	116	24	8	14	3	105	87	18	6	11	2
55 - 59	179	135	44	15	23	7	129	97	32	11	16	5
60 - 64	214	158	56	22	34	11	150	110	40	16	24	8
65 - 69	238	158	80	29	42	18	180	112	68	22	30	15
70 - 74	196	129	67	31	46	19	180	121	59	28	43	17
75 - 79	151	85	66	37	49	28	135	75	60	33	44	25
80 - 84	75	37	38	30	39	24	75	38	37	30	40	24
85 +	75	34	41	31	41	26	78	36	42	33	44	27
Total/Crude	1,531	1,053	478	3	4	2	1,197	804	393	2	3	2
Non-Hispanic White												
00 - 04	17	10	7	0	0	0	5	1	4	0	0	0
05 - 09	2	1	1	0	0	0	2	2	0	0	0	0
10 - 14	4	1	3	0	0	0	0	0	0	0	0	0
15 - 19	9	5	4	0	0	0	6	1	5	0	0	0
20 - 24	6	5	1	0	0	0	5	2	3	0	0	0
25 - 29	11	6	5	0	0	0	5	4	1	0	0	0
30 - 34	11	5	6	0	0	0	6	3	3	0	0	0
35 - 39	21	13	8	0	0	0	20	12	8	0	0	0
40 - 44	89	69	20	1	2	1	65	49	16	1	1	0
45 - 49	228	193	35	3	6	1	134	115	19	2	3	1
50 - 54	233	192	41	4	7	1	169	144	25	3	5	1
55 - 59	233	180	53	5	8	2	174	128	46	4	6	2
60 - 64	310	228	82	9	13	4	266	200	66	7	11	4
65 - 69	401	293	108	12	18	6	372	257	115	11	16	6
70 - 74	502	337	165	15	23	9	469	317	152	14	21	8
75 - 79	449	267	182	16	23	12	482	285	197	18	25	12
80 - 84	289	169	120	16	24	11	366	200	166	20	29	15
85 +	237	106	131	16	25	12	303	129	174	20	30	17
Total/Crude	3,052	2,080	972	4	5	2	2,849	1,849	1,000	3	4	2

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.
 Note: *In situ* cancers are excluded, unless specified. Race/ethnicity categories are mutually exclusive.
 Persons of Hispanic ethnicity may be of any race.

SECTION XVIII

Table XVIII-3. Risk (Percent) of Being Diagnosed with Invasive Cancer within the Next 10, 20, or 30 Years, or in Remaining Lifetime, Assuming Cancer Free at Current Age, and Lifetime Risk of Being Diagnosed with or Dying of Cancer by Race/Ethnicity and Sex, Liver 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	0.01	0.72	0.00	0.00	0.01	0.33
25	0.00	0.02	0.12	0.73	0.00	0.01	0.03	0.33
35	0.02	0.12	0.29	0.74	0.01	0.03	0.09	0.33
45	0.10	0.28	0.51	0.74	0.02	0.08	0.18	0.33
55	0.19	0.43	0.60	0.67	0.06	0.17	0.27	0.32
65	0.28	0.47	-	0.54	0.11	0.22	-	0.28
Lifetime Risk of Being Diagnosed = 0.72 %				Lifetime Risk of Being Diagnosed = 0.33 %				
Lifetime Risk of Dying of Cancer = 0.62 %				Lifetime Risk of Dying of Cancer = 0.32 %				
Asian/Pacific Islander								
0	0.00	0.01	0.01	2.54	0.00	0.01	0.01	1.13
25	0.02	0.10	0.37	2.57	0.00	0.02	0.07	1.13
35	0.07	0.35	0.92	2.57	0.02	0.07	0.25	1.13
45	0.28	0.86	1.61	2.52	0.05	0.23	0.57	1.12
55	0.60	1.37	2.01	2.32	0.19	0.53	0.85	1.10
65	0.84	1.54	-	1.86	0.36	0.70	-	0.95
Lifetime Risk of Being Diagnosed = 2.54 %				Lifetime Risk of Being Diagnosed = 1.13 %				
Lifetime Risk of Dying of Cancer = 1.94 %				Lifetime Risk of Dying of Cancer = 1.00 %				
Black								
0	0.00	0.00	0.00	0.72	0.00	0.00	0.01	0.32
25	0.00	0.03	0.20	0.74	0.00	0.02	0.05	0.32
35	0.03	0.20	0.41	0.76	0.01	0.04	0.12	0.32
45	0.18	0.40	0.63	0.77	0.03	0.11	0.20	0.32
55	0.25	0.50	0.61	0.65	0.08	0.18	0.27	0.30
65	0.31	0.45	-	0.50	0.11	0.21	-	0.25
Lifetime Risk of Being Diagnosed = 0.72 %				Lifetime Risk of Being Diagnosed = 0.32 %				
Lifetime Risk of Dying of Cancer = 0.66 %				Lifetime Risk of Dying of Cancer = 0.30 %				
Hispanic								
0	0.00	0.00	0.00	1.08	0.00	0.00	0.01	0.60
25	0.00	0.02	0.13	1.10	0.00	0.01	0.03	0.60
35	0.02	0.13	0.38	1.12	0.00	0.03	0.11	0.60
45	0.11	0.37	0.72	1.13	0.02	0.11	0.27	0.60
55	0.27	0.63	0.89	1.06	0.09	0.25	0.43	0.59
65	0.40	0.68	-	0.87	0.17	0.36	-	0.54
Lifetime Risk of Being Diagnosed = 1.08 %				Lifetime Risk of Being Diagnosed = 0.60 %				
Lifetime Risk of Dying of Cancer = 0.91 %				Lifetime Risk of Dying of Cancer = 0.54 %				
Non-Hispanic White								
0	0.00	0.00	0.01	0.46	0.00	0.00	0.00	0.21
25	0.00	0.01	0.07	0.46	0.00	0.01	0.02	0.21
35	0.01	0.07	0.16	0.46	0.00	0.02	0.05	0.21
45	0.06	0.16	0.31	0.47	0.01	0.04	0.11	0.21
55	0.10	0.26	0.38	0.42	0.03	0.10	0.17	0.20
65	0.18	0.31	-	0.36	0.07	0.14	-	0.19
Lifetime Risk of Being Diagnosed = 0.46 %				Lifetime Risk of Being Diagnosed = 0.21 %				
Lifetime Risk of Dying of Cancer = 0.42 %				Lifetime Risk of Dying of Cancer = 0.23 %				

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.
 Note: Based on average annual age-specific cancer incidence and mortality rates in California, 1995-1999.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.