

**Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Liver 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
<b>ALL RACES</b>												
1988	750	520	230	3.2	5.0	1.7	783	525	258	3.3	5.1	1.9
1989	747	502	245	3.1	4.7	1.8	738	484	254	3.1	4.7	1.9
1990	885	605	280	3.5	5.4	2.0	816	527	289	3.3	4.9	2.1
1991	929	629	300	3.7	5.6	2.1	905	595	310	3.6	5.4	2.2
1992	1,034	704	330	4.0	6.3	2.3	959	646	313	3.8	5.8	2.2
1993	1,061	712	349	4.1	6.1	2.4	976	640	336	3.8	5.6	2.3
1994	1,103	778	325	4.1	6.6	2.2	1,015	698	317	3.9	6.1	2.2
1995	1,224	836	388	4.6	7.0	2.6	1,075	709	366	4.0	6.1	2.4
1996	1,322	877	445	4.9	7.2	2.9	1,114	745	369	4.1	6.3	2.4
1997	1,373	950	423	4.9	7.5	2.7	1,256	827	429	4.5	6.8	2.8
1998	1,569	1,103	466	5.5	8.5	3.0	1,267	857	410	4.5	6.7	2.6
1999	1,656	1,131	525	5.7	8.4	3.3	1,276	870	406	4.4	6.6	2.5
2000	1,719	1,212	507	5.7	8.9	3.1	1,404	969	435	4.7	7.3	2.6
2001	1,954	1,375	579	6.4	9.9	3.5	1,414	952	462	4.7	7.0	2.8
2002	2,001	1,332	669	6.4	9.2	3.9	1,512	996	516	4.9	7.1	3.0
2003	2,101	1,517	584	6.5	10.2	3.4	1,611	1,092	519	5.1	7.6	3.0
2004	2,253	1,629	624	6.9	10.6	3.6	1,567	1,102	465	4.9	7.5	2.6
2005	2,524	1,780	744	7.5	11.3	4.2	1,730	1,197	533	5.2	7.9	3.0
2006	2,605	1,875	730	7.6	11.6	4.0	1,710	1,172	538	5.1	7.6	3.0
2007	2,740	2,004	736	7.8	12.2	3.9	1,827	1,292	535	5.3	8.1	2.9
2008	2,831	2,056	775	7.9	12.2	4.1	1,897	1,339	558	5.4	8.2	2.9
2009	3,142	2,273	869	8.5	13.1	4.5	2,014	1,431	583	5.5	8.5	3.0
2010	3,186	2,321	865	8.3	12.9	4.3	2,091	1,530	561	5.6	8.7	2.8
2011	3,305	2,390	915	8.4	12.9	4.4	2,222	1,570	652	5.8	8.8	3.2
2012	3,368	2,440	928	8.3	12.8	4.4	2,445	1,748	697	6.1	9.4	3.2
2013	3,608	2,604	1,004	8.7	13.3	4.6	2,498	1,812	686	6.1	9.5	3.2
2014	3,908	2,806	1,102	9.1	13.8	4.9	2,451	1,711	740	5.8	8.8	3.3
2015	3,854	2,807	1,047	8.7	13.4	4.5	2,588	1,850	738	6.0	9.2	3.2
2016	3,727	2,705	1,022	8.2	12.6	4.2	2,632	1,866	766	5.9	9.1	3.2
2017	3,606	2,630	976	7.8	12.2	4.0	2,661	1,867	794	5.9	8.8	3.3

(Table Continues)

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

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

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.

**Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Liver 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
<b>ASIAN/PACIFIC ISLANDER</b>												
1988	194	153	41	11.7	19.6	5.0	160	129	31	9.6	16.4	3.8
1989	184	134	50	10.9	17.2	5.8	157	116	41	9.4	14.7	5.1
1990	229	173	56	12.1	19.2	6.1	189	142	47	10.4	16.5	5.3
1991	270	198	72	13.3	21.2	6.7	206	147	59	10.3	15.7	5.7
1992	294	216	78	14.7	23.0	7.8	213	156	57	10.6	16.4	5.8
1993	292	193	99	13.1	18.7	8.5	245	166	79	11.4	16.2	7.3
1994	318	228	90	13.2	20.8	6.9	260	184	76	11.3	17.6	6.2
1995	361	256	105	14.4	22.6	7.8	250	173	77	10.5	16.1	6.0
1996	377	267	110	14.1	22.2	7.6	271	193	78	10.4	16.3	5.6
1997	402	282	120	13.9	21.7	7.6	314	212	102	11.3	16.8	6.8
1998	444	329	115	14.8	24.2	7.2	306	217	89	10.3	15.9	5.7
1999	491	344	147	15.4	23.5	8.7	331	231	100	10.6	16.2	6.1
2000	446	318	128	13.3	21.0	7.1	347	237	110	10.6	16.0	6.2
2001	542	384	158	15.6	24.6	8.4	348	240	108	10.1	15.8	5.7
2002	580	397	183	15.8	23.7	9.3	371	263	108	10.2	16.0	5.6
2003	547	381	166	14.2	21.9	8.0	393	256	137	10.6	15.1	6.9
2004	623	451	172	15.5	25.0	8.0	391	278	113	10.1	16.0	5.4
2005	671	457	214	15.7	23.3	9.5	400	262	138	9.9	14.2	6.3
2006	642	457	185	14.6	22.8	8.0	397	276	121	9.2	14.1	5.2
2007	738	537	201	16.0	25.9	8.1	419	306	113	9.4	15.4	4.7
2008	688	467	221	14.5	21.7	8.7	441	302	139	9.6	14.5	5.6
2009	721	521	200	14.4	23.3	7.4	431	312	119	8.9	14.5	4.5
2010	751	515	236	14.3	21.8	8.3	473	325	148	9.3	14.4	5.4
2011	746	544	202	13.4	21.8	6.7	494	348	146	9.2	14.4	5.0
2012	713	496	217	12.4	19.4	6.8	492	338	154	8.7	13.5	4.9
2013	736	517	219	12.3	19.2	6.7	486	334	152	8.2	12.7	4.7
2014	832	583	249	13.0	20.5	7.1	516	345	171	8.3	12.6	5.0
2015	813	582	231	12.2	19.6	6.3	507	371	136	7.8	13.0	3.8
2016	759	545	214	10.8	17.3	5.6	502	375	127	7.3	12.4	3.3
2017	680	496	184	9.4	15.4	4.7	520	359	161	7.3	11.3	4.0

(Table Continues)

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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
<b>NON-HISPANIC BLACK</b>												
1988	49	31	18	3.8	5.3	2.6	66	42	24	4.9	6.7	3.4
1989	64	46	18	4.7	7.9	2.4	71	48	23	5.4	8.5	3.1
1990	53	26	27	3.7	3.8	3.4	53	24	29	3.8	3.7	3.7
1991	60	39	21	4.3	6.4	2.7	75	50	25	5.5	8.6	3.2
1992	73	45	28	5.0	7.0	3.4	73	51	22	5.1	8.4	2.6
1993	72	52	20	4.7	7.5	2.4	67	39	28	4.6	6.1	3.3
1994	72	54	18	4.7	7.9	2.2	80	57	23	5.3	8.2	2.9
1995	90	60	30	5.8	8.6	3.6	86	58	28	5.6	8.6	3.3
1996	91	58	33	5.8	8.8	3.7	78	58	20	5.2	9.2	2.4
1997	90	59	31	5.6	8.0	3.5	92	61	31	5.7	8.6	3.4
1998	107	78	29	6.2	9.9	3.1	93	70	23	5.7	9.7	2.5
1999	118	86	32	6.9	11.2	3.5	101	69	32	6.1	8.8	3.6
2000	119	92	27	6.7	11.7	2.9	103	83	20	5.9	10.7	2.1
2001	148	107	41	8.2	13.2	4.2	134	83	51	7.6	10.1	5.4
2002	143	99	44	7.8	12.0	4.4	110	77	33	6.1	9.5	3.3
2003	147	109	38	7.7	13.0	3.7	129	87	42	7.1	11.1	4.1
2004	173	124	49	8.7	13.4	4.8	119	86	33	6.3	9.8	3.3
2005	182	125	57	9.2	14.1	5.3	144	103	41	7.4	11.4	4.0
2006	178	127	51	8.3	12.7	4.5	144	104	40	7.1	11.6	3.5
2007	206	157	49	9.7	16.4	4.3	134	96	38	6.8	11.1	3.5
2008	182	135	47	8.3	13.2	4.2	146	112	34	6.8	11.4	3.1
2009	237	166	71	10.0	15.1	5.7	174	122	52	7.9	11.9	4.5
2010	236	169	67	9.9	15.4	5.3	169	136	33	7.3	12.7	2.9
2011	237	154	83	9.7	13.5	6.4	162	101	61	6.9	9.4	4.9
2012	265	195	70	10.2	16.1	5.2	193	139	54	8.0	12.6	4.2
2013	270	203	67	10.7	17.4	5.1	213	164	49	8.6	14.3	3.8
2014	264	194	70	9.9	16.0	4.8	194	144	50	7.4	12.0	3.5
2015	306	227	79	11.3	18.3	5.5	189	142	47	7.4	12.4	3.4
2016	273	194	79	9.8	15.3	5.3	191	119	72	7.3	10.0	5.2
2017	256	189	67	9.2	14.8	4.5	181	126	55	6.9	10.4	3.9

(Table Continues)

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	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>HISPANIC</b>												
1988	140	92	48	4.9	6.7	3.3	124	78	46	4.6	6.3	3.3
1989	127	83	44	4.2	5.7	2.9	111	67	44	4.0	4.8	3.1
1990	176	116	60	5.7	8.1	3.7	142	87	55	4.9	6.5	3.6
1991	162	110	52	4.9	7.5	2.8	161	105	56	4.9	7.2	3.2
1992	186	118	68	5.8	8.3	3.8	149	93	56	4.9	7.2	3.2
1993	195	137	58	5.5	8.9	3.0	162	104	58	4.9	7.2	3.1
1994	208	154	54	5.5	9.1	2.7	163	119	44	4.9	7.9	2.5
1995	254	167	87	6.9	10.0	4.4	206	133	73	5.8	8.5	3.8
1996	264	171	93	6.7	9.7	4.4	204	130	74	5.3	7.7	3.5
1997	291	200	91	7.1	10.7	4.2	240	163	77	6.3	9.5	3.9
1998	342	237	105	7.9	11.9	4.7	270	183	87	6.6	9.5	4.1
1999	386	261	125	8.4	12.2	5.3	274	184	90	6.4	9.3	4.1
2000	419	288	131	8.8	13.3	5.2	310	208	102	7.0	10.5	4.3
2001	465	334	131	9.2	14.3	5.0	314	212	102	6.7	10.2	4.1
2002	499	327	172	9.4	13.0	6.3	352	228	124	7.1	10.1	4.7
2003	497	364	133	8.4	12.7	4.6	392	263	129	7.4	10.5	4.8
2004	563	395	168	9.3	13.9	5.5	370	246	124	6.6	9.5	4.3
2005	663	483	180	10.5	16.1	5.7	442	310	132	7.3	10.9	4.3
2006	726	512	214	11.0	16.4	6.4	433	295	138	7.1	10.2	4.4
2007	750	547	203	10.6	16.4	5.7	468	315	153	7.3	10.5	4.6
2008	765	534	231	10.5	15.3	6.3	499	336	163	7.5	10.8	4.8
2009	898	643	255	11.8	18.2	6.5	562	389	173	7.9	11.7	4.8
2010	947	699	248	11.6	18.4	6.0	592	433	159	7.8	12.2	4.1
2011	1,017	716	301	12.1	17.9	7.2	647	462	185	8.3	12.7	4.8
2012	991	709	282	11.4	17.2	6.4	714	495	219	8.7	12.9	5.3
2013	1,119	774	345	12.3	18.0	7.5	732	520	212	8.5	13.0	4.8
2014	1,233	872	361	12.7	18.9	7.4	740	513	227	8.3	12.4	4.9
2015	1,243	882	361	12.2	18.4	6.9	796	545	251	8.5	12.5	5.2
2016	1,194	871	323	11.2	17.4	6.0	820	594	226	8.4	13.1	4.5
2017	1,203	839	364	11.2	16.6	6.7	830	553	277	8.1	11.4	5.3

(Table Continues)

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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
<b>NON-HISPANIC WHITE</b>												
1988	362	240	122	2.1	3.3	1.2	429	273	156	2.4	3.7	1.5
1989	370	237	133	2.1	3.1	1.3	396	251	145	2.3	3.4	1.4
1990	420	287	133	2.3	3.6	1.3	429	274	155	2.3	3.5	1.5
1991	430	277	153	2.3	3.5	1.5	458	291	167	2.5	3.7	1.6
1992	474	322	152	2.6	4.0	1.5	519	343	176	2.8	4.3	1.6
1993	497	327	170	2.7	4.0	1.6	498	327	171	2.7	4.0	1.6
1994	498	335	163	2.7	4.1	1.6	510	337	173	2.7	4.2	1.6
1995	515	350	165	2.8	4.3	1.6	530	343	187	2.8	4.2	1.7
1996	586	377	209	3.1	4.5	2.0	556	361	195	2.9	4.4	1.7
1997	584	406	178	3.1	4.8	1.6	606	388	218	3.1	4.7	2.0
1998	662	450	212	3.5	5.3	1.9	594	383	211	3.1	4.5	1.9
1999	644	426	218	3.3	4.9	2.0	564	383	181	2.9	4.4	1.6
2000	719	503	216	3.7	5.7	2.0	627	431	196	3.2	4.9	1.7
2001	775	534	241	3.9	6.0	2.2	609	411	198	3.1	4.6	1.7
2002	760	495	265	3.8	5.4	2.4	671	422	249	3.3	4.7	2.2
2003	883	640	243	4.4	6.9	2.2	684	476	208	3.3	5.2	1.8
2004	870	641	229	4.3	6.7	2.0	671	479	192	3.3	5.2	1.6
2005	987	702	285	4.8	7.3	2.6	728	509	219	3.5	5.4	1.9
2006	1,041	764	277	5.0	7.7	2.5	715	487	228	3.4	5.1	2.0
2007	1,013	734	279	4.8	7.4	2.5	789	563	226	3.7	5.7	1.9
2008	1,156	888	268	5.4	8.8	2.3	789	575	214	3.7	5.7	1.8
2009	1,244	914	330	5.7	8.9	2.9	825	592	233	3.8	5.9	1.9
2010	1,223	915	308	5.6	8.7	2.7	827	613	214	3.7	5.8	1.8
2011	1,263	946	317	5.6	8.8	2.6	890	638	252	3.9	6.1	2.0
2012	1,359	1,013	346	5.9	9.3	2.9	1,011	759	252	4.3	6.9	1.9
2013	1,436	1,071	365	6.1	9.5	3.0	1,035	772	263	4.4	7.0	2.1
2014	1,511	1,112	399	6.3	9.6	3.1	975	693	282	4.1	6.2	2.2
2015	1,426	1,067	359	5.8	9.0	2.9	1,040	758	282	4.2	6.6	2.2
2016	1,419	1,032	387	5.7	8.7	3.0	1,075	743	332	4.3	6.3	2.5
2017	1,374	1,041	333	5.5	8.7	2.6	1,087	796	291	4.3	6.7	2.2

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Rates based on fewer than 15 cases or deaths are not shown.

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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, 2013-2017, Liver Cancer**

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2013-2017			Annual Rate			Deaths 2013-2017			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>ALL RACES</b>												
00 - 04	99	65	34	0.8	1.0	0.6	9	4	5	0.1	0.1	0.1
05 - 09	19	11	8	0.1	0.2	0.1	6	2	4	0.1	0.0	0.1
10 - 14	14	11	3	0.1	0.2	0.0	4	3	1	0.0	0.1	0.0
15 - 19	15	9	6	0.1	0.1	0.1	5	3	2	0.0	0.1	0.0
20 - 24	25	12	13	0.2	0.2	0.2	9	5	4	0.1	0.1	0.1
25 - 29	29	18	11	0.2	0.2	0.2	15	12	3	0.1	0.2	0.0
30 - 34	50	37	13	0.4	0.5	0.2	26	16	10	0.2	0.2	0.1
35 - 39	88	63	25	0.7	1.0	0.4	53	41	12	0.4	0.6	0.2
40 - 44	175	126	49	1.4	2.0	0.8	92	68	24	0.7	1.1	0.4
45 - 49	527	423	104	4.1	6.5	1.6	258	198	60	2.0	3.1	0.9
50 - 54	1,382	1,124	258	10.6	17.4	3.9	714	593	121	5.5	9.2	1.8
55 - 59	2,941	2,347	594	23.7	38.7	9.4	1,699	1,378	321	13.7	22.7	5.1
60 - 64	3,782	2,988	794	35.7	58.9	14.4	2,319	1,845	474	21.9	36.4	8.6
65 - 69	3,346	2,498	848	38.9	61.7	18.6	2,053	1,561	492	23.9	38.6	10.8
70 - 74	2,124	1,442	682	34.7	51.4	20.5	1,583	1,075	508	25.8	38.3	15.3
75 - 79	1,774	1,114	660	40.8	57.7	27.3	1,417	923	494	32.6	47.8	20.4
80 - 84	1,236	724	512	39.3	54.4	28.2	1,223	719	504	38.9	54.0	27.8
85 +	1,077	540	537	30.6	42.3	24.0	1,345	660	685	38.3	51.8	30.6
Total/Crude	18,703	13,552	5,151	9.6	14.0	5.3	12,830	9,106	3,724	6.6	9.4	3.8
<b>ASIAN/PACIFIC ISLANDER</b>												
00 - 04	13	10	3	0.8	1.2	0.4	1	0	1	0.1	0.0	0.1
05 - 09	4	3	1	0.3	0.4	0.1	2	2	0	0.1	0.3	0.0
10 - 14	2	1	1	0.1	0.1	0.1	0	0	0	0.0	0.0	0.0
15 - 19	1	0	1	0.1	0.0	0.1	0	0	0	0.0	0.0	0.0
20 - 24	3	1	2	0.2	0.1	0.2	0	0	0	0.0	0.0	0.0
25 - 29	7	6	1	0.3	0.5	0.1	4	3	1	0.2	0.3	0.1
30 - 34	17	14	3	0.7	1.2	0.2	8	5	3	0.3	0.4	0.2
35 - 39	34	27	7	1.5	2.6	0.6	25	23	2	1.1	2.2	0.2
40 - 44	66	47	19	2.9	4.5	1.6	44	37	7	1.9	3.5	0.6
45 - 49	143	122	21	6.7	12.4	1.8	84	63	21	4.0	6.4	1.9
50 - 54	231	193	38	11.4	20.5	3.5	135	119	16	6.6	12.7	1.5
55 - 59	478	405	73	24.9	46.5	7.0	293	249	44	15.3	28.6	4.2
60 - 64	610	467	143	36.1	61.7	15.3	353	277	76	20.9	36.6	8.1
65 - 69	628	474	154	46.3	78.6	20.4	305	236	69	22.5	39.1	9.2
70 - 74	481	332	149	51.5	80.1	28.7	318	224	94	34.0	54.1	18.1
75 - 79	455	271	184	65.3	89.6	46.6	320	198	122	45.9	65.5	30.9
80 - 84	347	199	148	69.8	97.6	50.5	297	174	123	59.8	85.4	42.0
85 +	300	151	149	58.6	79.5	46.3	342	174	168	66.8	91.6	52.2
Total/Crude	3,820	2,723	1,097	13.0	19.5	7.1	2,531	1,784	747	8.6	12.8	4.8

(Table Continues)

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

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Note: In situ cancers are excluded, unless specified.

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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, 2013-2017, Liver Cancer (continued)**

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2013-2017			Annual Rate			Deaths 2013-2017			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>NON-HISPANIC BLACK</b>												
00 - 04	5	3	2	0.6	0.8	0.5	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	0.0	1	0	1	0.1	0.0	0.3
10 - 14	1	1	0	0.1	0.2	0.0	0	0	0	0.0	0.0	0.0
15 - 19	1	1	0	0.1	0.2	0.0	0	0	0	0.0	0.0	0.0
20 - 24	2	0	2	0.2	0.0	0.4	2	1	1	0.2	0.2	0.2
25 - 29	3	2	1	0.3	0.4	0.2	2	2	0	0.2	0.4	0.0
30 - 34	6	6	0	0.7	1.4	0.0	4	3	1	0.5	0.7	0.2
35 - 39	6	6	0	0.8	1.6	0.0	3	3	0	0.4	0.8	0.0
40 - 44	7	5	2	0.9	1.3	0.5	9	5	4	1.2	1.3	1.1
45 - 49	22	14	8	2.7	3.5	2.0	7	4	3	0.9	1.0	0.7
50 - 54	58	47	11	6.7	11.0	2.5	43	32	11	5.0	7.5	2.5
55 - 59	236	173	63	29.0	43.6	15.1	135	102	33	16.6	25.7	7.9
60 - 64	398	311	87	61.9	102.7	25.6	255	203	52	39.7	67.0	15.3
65 - 69	299	224	75	62.0	103.2	28.3	199	155	44	41.3	71.4	16.6
70 - 74	146	103	43	44.0	71.8	22.8	117	78	39	35.3	54.4	20.7
75 - 79	83	58	25	34.1	56.3	17.8	74	54	20	30.4	52.4	14.2
80 - 84	54	31	23	33.6	48.6	23.8	55	29	26	34.3	45.5	26.9
85 +	42	22	20	27.1	43.8	19.1	62	24	38	40.0	47.8	36.3
Total/Crude	1,369	1,007	362	11.3	16.8	5.9	968	695	273	8.0	11.6	4.5
<b>HISPANIC</b>												
00 - 04	55	35	20	0.8	1.1	0.6	5	2	3	0.1	0.1	0.1
05 - 09	13	7	6	0.2	0.2	0.2	2	0	2	0.0	0.0	0.1
10 - 14	9	7	2	0.1	0.2	0.1	3	2	1	0.1	0.1	0.0
15 - 19	7	5	2	0.1	0.2	0.1	3	2	1	0.1	0.1	0.0
20 - 24	8	3	5	0.1	0.1	0.2	5	2	3	0.1	0.1	0.1
25 - 29	8	4	4	0.1	0.1	0.1	4	3	1	0.1	0.1	0.0
30 - 34	14	8	6	0.2	0.3	0.2	7	4	3	0.1	0.1	0.1
35 - 39	26	16	10	0.5	0.6	0.4	15	9	6	0.3	0.3	0.2
40 - 44	64	47	17	1.2	1.8	0.7	26	16	10	0.5	0.6	0.4
45 - 49	228	191	37	4.8	7.9	1.6	101	83	18	2.1	3.4	0.8
50 - 54	649	535	114	15.7	25.8	5.5	314	274	40	7.6	13.2	1.9
55 - 59	1,050	825	225	31.2	50.1	13.1	612	505	107	18.2	30.7	6.2
60 - 64	1,081	835	246	43.0	70.1	18.6	639	500	139	25.4	42.0	10.5
65 - 69	955	669	286	53.7	81.6	29.8	577	405	172	32.4	49.4	17.9
70 - 74	658	415	243	55.0	79.2	36.1	499	321	178	41.7	61.3	26.4
75 - 79	537	304	233	64.3	86.6	48.2	427	252	175	51.2	71.8	36.2
80 - 84	349	191	158	60.1	81.6	45.6	349	197	152	60.1	84.1	43.8
85 +	281	141	140	48.9	66.8	38.5	330	148	182	57.4	70.1	50.0
Total/Crude	5,992	4,238	1,754	7.9	11.2	4.7	3,918	2,725	1,193	5.2	7.2	3.2

(Table Continues)

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

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Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

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, 2013-2017, Liver Cancer (continued)**

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2013-2017			Annual Rate			Deaths 2013-2017			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>NON-HISPANIC WHITE</b>												
00 - 04	24	16	8	0.7	0.9	0.5	3	2	1	0.1	0.1	0.1
05 - 09	2	1	1	0.1	0.1	0.1	1	0	1	0.0	0.0	0.1
10 - 14	2	2	0	0.1	0.1	0.0	1	1	0	0.0	0.1	0.0
15 - 19	6	3	3	0.2	0.1	0.2	2	1	1	0.1	0.1	0.1
20 - 24	12	8	4	0.3	0.3	0.2	2	2	0	0.0	0.1	0.0
25 - 29	10	5	5	0.2	0.2	0.2	4	4	0	0.1	0.2	0.0
30 - 34	13	9	4	0.3	0.3	0.2	7	4	3	0.1	0.2	0.1
35 - 39	20	12	8	0.4	0.5	0.4	10	6	4	0.2	0.3	0.2
40 - 44	35	25	10	0.8	1.1	0.5	11	8	3	0.2	0.3	0.1
45 - 49	120	87	33	2.3	3.3	1.3	58	42	16	1.1	1.6	0.6
50 - 54	408	321	87	6.9	10.7	3.0	202	149	53	3.4	5.0	1.8
55 - 59	1,107	894	213	17.8	28.7	6.9	627	498	129	10.1	16.0	4.2
60 - 64	1,618	1,312	306	28.5	47.1	10.6	1,033	837	196	18.2	30.0	6.8
65 - 69	1,398	1,079	319	28.3	45.3	12.5	937	742	195	19.0	31.1	7.6
70 - 74	799	565	234	22.0	33.0	12.2	625	438	187	17.2	25.6	9.7
75 - 79	671	464	207	26.3	39.8	14.9	579	408	171	22.7	35.0	12.3
80 - 84	478	299	179	25.2	36.3	16.7	510	312	198	26.9	37.9	18.5
85 +	443	221	222	19.6	27.0	15.4	600	308	292	26.6	37.6	20.3
Total/Crude	7,166	5,323	1,843	9.3	13.9	4.8	5,212	3,762	1,450	6.8	9.8	3.8

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

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

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, Liver Cancer**

Current Age	Males				Females			
	10+ yrs	20+ yrs	30+ yrs	eventually	10+ yrs	20+ yrs	30+ yrs	eventually
<b>ALL RACES</b>								
0	0.01	0.01	0.01	1.40	0.00	0.00	0.01	0.60
25	0.00	0.02	0.14	1.42	0.00	0.01	0.04	0.60
35	0.02	0.14	0.56	1.43	0.01	0.04	0.14	0.60
45	0.13	0.55	0.99	1.44	0.03	0.14	0.30	0.60
55	0.44	0.90	1.23	1.37	0.11	0.28	0.47	0.59
65	0.50	0.86	-	1.02	0.18	0.38	-	0.50
	Lifetime Risk of Being Diagnosed = 1.40%				Lifetime Risk of Being Diagnosed = 0.60%			
	Lifetime Risk of Dying of Cancer = 1.07%				Lifetime Risk of Dying of Cancer = 0.50%			
<b>ASIAN/PACIFIC ISLANDER</b>								
0	0.01	0.01	0.01	2.42	0.00	0.00	0.01	1.11
25	0.01	0.05	0.22	2.45	0.00	0.01	0.04	1.12
35	0.04	0.21	0.70	2.45	0.01	0.04	0.14	1.12
45	0.17	0.67	1.34	2.44	0.03	0.13	0.36	1.11
55	0.51	1.19	1.84	2.33	0.11	0.34	0.71	1.10
65	0.72	1.41	-	1.92	0.24	0.63	-	1.03
	Lifetime Risk of Being Diagnosed = 2.42%				Lifetime Risk of Being Diagnosed = 1.11%			
	Lifetime Risk of Dying of Cancer = 1.86%				Lifetime Risk of Dying of Cancer = 0.92%			
<b>NON-HISPANIC BLACK</b>								
0	0.00	0.01	0.01	1.48	0.00	0.00	0.00	0.57
25	0.01	0.02	0.11	1.53	0.00	0.00	0.03	0.58
35	0.02	0.10	0.67	1.55	0.00	0.03	0.20	0.58
45	0.09	0.68	1.26	1.59	0.03	0.20	0.40	0.59
55	0.63	1.25	1.50	1.61	0.18	0.39	0.51	0.59
65	0.73	1.02	-	1.15	0.23	0.36	-	0.45
	Lifetime Risk of Being Diagnosed = 1.48%				Lifetime Risk of Being Diagnosed = 0.57%			
	Lifetime Risk of Dying of Cancer = 1.12%				Lifetime Risk of Dying of Cancer = 0.51%			
<b>HISPANIC</b>								
0	0.01	0.01	0.01	2.06	0.00	0.00	0.01	1.01
25	0.00	0.02	0.19	2.08	0.00	0.01	0.04	1.02
35	0.02	0.19	0.72	2.11	0.01	0.04	0.19	1.02
45	0.17	0.71	1.35	2.13	0.04	0.19	0.47	1.02
55	0.56	1.22	1.73	2.03	0.15	0.44	0.77	1.01
65	0.72	1.27	-	1.60	0.30	0.65	-	0.90
	Lifetime Risk of Being Diagnosed = 2.06%				Lifetime Risk of Being Diagnosed = 1.01%			
	Lifetime Risk of Dying of Cancer = 1.59%				Lifetime Risk of Dying of Cancer = 0.86%			
<b>NON-HISPANIC WHITE</b>								
0	0.01	0.01	0.01	0.96	0.00	0.00	0.01	0.37
25	0.00	0.01	0.09	0.96	0.00	0.01	0.03	0.37
35	0.01	0.08	0.40	0.97	0.00	0.03	0.11	0.37
45	0.08	0.40	0.70	0.98	0.02	0.10	0.20	0.37
55	0.34	0.66	0.87	0.94	0.08	0.19	0.29	0.35
65	0.35	0.58	-	0.67	0.11	0.22	-	0.29
	Lifetime Risk of Being Diagnosed = 0.96%				Lifetime Risk of Being Diagnosed = 0.37%			
	Lifetime Risk of Dying of Cancer = 0.75%				Lifetime Risk of Dying of Cancer = 0.32%			

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Note: Based on average annual age-specific cancer incidence and mortality rates in California, 2013-2017.

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