

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, Brain and Nervous System 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
ALL RACES												
1988	1,684	925	759	6.6	7.8	5.5	1,085	605	480	4.5	5.5	3.7
1989	1,740	965	775	6.6	7.8	5.6	1,169	637	532	4.6	5.5	3.9
1990	1,802	981	821	6.7	7.9	5.7	1,192	666	526	4.7	5.7	3.8
1991	1,781	983	798	6.5	7.7	5.5	1,280	689	591	4.9	5.8	4.2
1992	1,821	985	836	6.5	7.6	5.6	1,253	698	555	4.7	5.9	3.8
1993	1,840	1,005	835	6.5	7.6	5.5	1,272	718	554	4.7	5.8	3.8
1994	1,832	1,018	814	6.5	7.7	5.4	1,288	731	557	4.7	5.9	3.7
1995	1,828	1,013	815	6.4	7.5	5.4	1,294	716	578	4.7	5.7	3.9
1996	1,794	977	817	6.1	7.1	5.3	1,230	653	577	4.4	5.1	3.8
1997	1,932	1,077	855	6.5	7.8	5.4	1,334	772	562	4.7	6.0	3.6
1998	1,938	1,026	912	6.4	7.2	5.7	1,416	820	596	4.8	6.1	3.8
1999	2,031	1,139	892	6.5	7.8	5.4	1,436	769	667	4.8	5.7	4.1
2000	1,925	1,066	859	6.1	7.2	5.1	1,376	768	608	4.5	5.5	3.7
2001	1,969	1,077	892	6.1	7.1	5.2	1,363	758	605	4.4	5.3	3.6
2002	2,064	1,139	925	6.3	7.4	5.4	1,405	802	603	4.4	5.6	3.5
2003	2,134	1,163	971	6.4	7.5	5.5	1,413	774	639	4.4	5.2	3.7
2004	2,111	1,202	909	6.2	7.5	5.1	1,388	774	614	4.2	5.2	3.4
2005	2,120	1,153	967	6.2	7.2	5.4	1,473	852	621	4.4	5.5	3.4
2006	2,066	1,154	912	6.0	7.1	5.0	1,416	799	617	4.2	5.1	3.4
2007	2,205	1,233	972	6.3	7.5	5.2	1,476	822	654	4.3	5.2	3.5
2008	2,192	1,254	938	6.1	7.4	5.0	1,508	864	644	4.3	5.3	3.3
2009	2,277	1,264	1,013	6.3	7.4	5.3	1,557	878	679	4.3	5.3	3.5
2010	2,275	1,243	1,032	6.1	7.0	5.3	1,515	832	683	4.1	4.9	3.4
2011	2,228	1,244	984	5.9	6.9	5.0	1,615	906	709	4.2	5.2	3.4
2012	2,281	1,306	975	5.9	7.2	4.8	1,709	977	732	4.4	5.5	3.5
2013	2,394	1,328	1,066	6.1	7.2	5.2	1,708	967	741	4.3	5.3	3.5
2014	2,405	1,370	1,035	6.0	7.2	4.9	1,740	999	741	4.3	5.4	3.4
2015	2,430	1,289	1,141	6.0	6.7	5.4	1,810	1,017	793	4.4	5.3	3.6
2016	2,374	1,359	1,015	5.7	6.9	4.7	1,887	1,059	828	4.5	5.4	3.7
2017	2,442	1,422	1,020	5.8	7.0	4.7	1,802	1,023	779	4.1	5.1	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, Brain and Nervous System 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
ASIAN/PACIFIC ISLANDER												
1988	63	30	33	3.2	3.1	3.3	37	21	16	2.0	2.1	1.8
1989	83	46	37	3.9	4.1	3.7	31	14	17	1.7	-	1.8
1990	89	44	45	3.8	4.0	3.6	46	28	18	2.1	2.6	1.7
1991	92	50	42	3.9	4.2	3.5	49	24	25	2.3	2.3	2.3
1992	92	46	46	3.6	3.8	3.4	46	21	25	1.8	1.8	1.9
1993	122	60	62	4.6	4.6	4.6	66	33	33	2.9	2.8	2.9
1994	106	62	44	4.1	5.2	3.2	72	43	29	2.8	3.4	2.2
1995	114	56	58	3.6	3.8	3.6	58	27	31	2.2	2.2	2.2
1996	100	52	48	3.2	3.4	3.0	64	33	31	2.2	2.5	2.0
1997	116	63	53	3.6	4.3	3.0	70	39	31	2.5	2.9	2.1
1998	117	72	45	3.7	5.0	2.7	71	44	27	2.3	3.2	1.6
1999	126	68	58	3.5	4.1	3.0	69	39	30	2.1	2.7	1.6
2000	117	64	53	3.1	3.8	2.7	67	40	27	2.0	2.5	1.5
2001	134	78	56	3.5	4.5	2.7	74	43	31	2.0	2.8	1.5
2002	148	74	74	3.6	3.8	3.4	83	53	30	2.2	3.0	1.5
2003	162	80	82	3.9	4.3	3.7	84	46	38	2.1	2.7	1.7
2004	154	86	68	3.6	4.3	3.0	98	60	38	2.4	3.2	1.7
2005	166	84	82	3.8	4.2	3.5	98	56	42	2.4	3.0	1.8
2006	169	93	76	3.8	4.6	3.1	110	54	56	2.5	2.8	2.3
2007	177	102	75	3.8	4.7	3.1	99	55	44	2.2	2.6	1.8
2008	193	111	82	4.0	5.1	3.2	111	64	47	2.3	3.0	1.8
2009	175	95	80	3.5	4.0	3.0	103	52	51	2.1	2.3	1.9
2010	222	119	103	4.3	5.1	3.7	126	70	56	2.4	3.1	1.9
2011	203	103	100	3.8	4.4	3.4	121	67	54	2.2	2.7	1.8
2012	209	110	99	3.7	4.3	3.3	135	71	64	2.4	3.0	2.0
2013	210	115	95	3.7	4.4	3.1	154	78	76	2.6	2.9	2.4
2014	233	134	99	4.0	5.1	3.2	150	84	66	2.5	3.1	1.9
2015	218	108	110	3.6	3.9	3.3	181	90	91	2.9	3.3	2.5
2016	252	145	107	3.9	5.0	3.1	166	94	72	2.6	3.2	2.0
2017	224	130	94	3.4	4.3	2.7	162	95	67	2.4	3.1	1.9

(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
NON-HISPANIC BLACK												
1988	79	49	30	4.5	5.6	3.4	48	25	23	3.2	3.5	2.9
1989	81	42	39	4.7	4.9	4.4	46	25	21	3.0	3.7	2.5
1990	83	39	44	4.5	4.6	4.5	57	25	32	3.5	3.2	3.7
1991	87	43	44	5.0	5.6	4.5	52	26	26	3.1	3.7	2.7
1992	72	41	31	3.9	4.9	3.1	48	28	20	2.9	4.0	2.1
1993	84	49	35	4.8	5.7	3.9	56	33	23	3.3	4.0	2.6
1994	66	29	37	3.5	3.5	3.7	55	34	21	3.3	4.7	2.3
1995	84	52	32	4.8	6.5	3.4	52	27	25	3.1	3.8	2.7
1996	84	40	44	4.6	4.8	4.6	47	27	20	2.9	3.7	2.3
1997	98	56	42	5.1	6.2	4.2	59	37	22	3.4	4.6	2.4
1998	96	40	56	4.9	4.4	5.4	68	36	32	3.9	4.7	3.3
1999	92	48	44	4.6	5.3	4.1	61	28	33	3.5	3.7	3.3
2000	78	46	32	3.7	4.7	2.9	52	26	26	2.7	2.8	2.5
2001	86	38	48	4.3	4.1	4.4	58	31	27	3.1	3.7	2.7
2002	76	42	34	3.6	4.1	3.1	46	26	20	2.6	3.4	2.0
2003	100	58	42	4.8	6.1	3.8	53	33	20	2.7	3.8	1.8
2004	81	43	38	4.0	4.7	3.5	61	37	24	3.0	4.3	2.2
2005	80	39	41	3.9	4.1	3.7	57	34	23	2.9	3.7	2.2
2006	77	40	37	3.7	4.4	3.2	54	32	22	2.8	3.9	2.0
2007	86	48	38	3.8	4.5	3.3	53	27	26	2.6	3.0	2.3
2008	94	54	40	4.2	5.3	3.4	55	34	21	2.6	3.5	1.9
2009	95	40	55	4.4	3.7	4.9	65	28	37	3.2	2.8	3.4
2010	102	54	48	4.6	5.3	4.1	64	25	39	3.0	2.7	3.3
2011	104	61	43	4.7	6.0	3.6	70	39	31	3.2	3.8	2.5
2012	85	53	32	3.5	4.6	2.6	74	46	28	3.3	4.3	2.3
2013	108	72	36	4.5	6.4	2.8	65	41	24	2.9	4.0	2.1
2014	98	55	43	4.0	4.7	3.4	74	42	32	3.1	4.1	2.3
2015	102	56	46	4.2	5.0	3.6	75	49	26	3.2	4.5	2.1
2016	78	43	35	3.1	3.7	2.6	80	46	34	3.1	3.8	2.5
2017	100	60	40	3.9	4.9	3.0	58	37	21	2.2	3.1	1.5

(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
HISPANIC												
1988	241	150	91	5.0	6.6	3.5	110	65	45	3.0	4.0	2.2
1989	229	122	107	5.1	5.6	4.7	133	80	53	3.3	4.5	2.4
1990	261	144	117	4.9	5.8	4.2	138	82	56	3.6	5.0	2.5
1991	276	154	122	5.0	5.6	4.4	141	83	58	3.0	3.8	2.4
1992	285	138	147	5.1	5.2	5.1	153	81	72	3.5	4.2	3.0
1993	275	147	128	4.9	5.6	4.4	147	73	74	3.2	3.2	3.2
1994	292	169	123	5.2	6.4	4.2	150	89	61	3.2	4.0	2.5
1995	319	177	142	5.4	6.2	4.6	172	97	75	3.7	4.5	3.0
1996	305	140	165	4.7	4.3	5.0	173	84	89	3.5	3.4	3.5
1997	338	184	154	5.3	6.1	4.6	174	97	77	3.4	4.0	2.8
1998	326	162	164	4.9	5.0	4.8	211	102	109	3.9	3.7	3.9
1999	382	201	181	5.2	5.5	4.8	211	103	108	3.6	3.8	3.4
2000	382	207	175	4.9	5.7	4.2	234	126	108	3.9	4.6	3.3
2001	411	222	189	5.4	5.9	4.9	219	106	113	3.4	3.7	3.2
2002	459	232	227	5.7	5.9	5.5	226	112	114	3.4	3.5	3.4
2003	443	223	220	5.5	6.2	5.0	245	116	129	3.6	3.6	3.7
2004	474	272	202	5.5	6.9	4.4	241	131	110	3.6	4.4	3.0
2005	470	267	203	5.2	6.4	4.3	267	154	113	3.8	4.9	2.9
2006	471	257	214	5.0	5.5	4.5	256	147	109	3.3	4.0	2.7
2007	498	248	250	5.1	5.2	5.1	298	157	141	3.7	3.9	3.4
2008	509	290	219	5.1	6.0	4.2	300	164	136	3.5	4.0	3.1
2009	502	279	223	5.0	5.8	4.3	298	152	146	3.6	3.8	3.3
2010	521	289	232	5.1	5.8	4.4	279	155	124	3.2	3.6	2.8
2011	498	268	230	4.6	5.2	4.0	316	172	144	3.5	4.0	3.0
2012	505	271	234	4.6	5.3	4.0	335	179	156	3.5	4.1	3.0
2013	556	296	260	4.9	5.7	4.3	319	180	139	3.2	3.9	2.7
2014	601	312	289	5.1	5.6	4.7	360	190	170	3.6	4.2	3.1
2015	617	303	314	5.1	5.2	5.0	361	183	178	3.3	3.5	3.1
2016	572	324	248	4.6	5.5	3.8	387	210	177	3.7	4.3	3.1
2017	620	351	269	4.8	5.5	4.1	406	229	177	3.6	4.2	3.0

(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
NON-HISPANIC WHITE												
1988	1,293	694	599	7.5	8.8	6.5	890	494	396	5.1	6.3	4.2
1989	1,337	747	590	7.6	9.0	6.4	955	515	440	5.4	6.4	4.7
1990	1,361	749	612	7.7	9.1	6.5	951	531	420	5.3	6.5	4.3
1991	1,317	732	585	7.4	8.8	6.1	1,036	554	482	5.8	6.8	4.9
1992	1,365	756	609	7.7	9.1	6.5	1,003	565	438	5.5	6.9	4.4
1993	1,347	739	608	7.5	8.9	6.3	1,002	578	424	5.5	7.0	4.3
1994	1,347	746	601	7.6	9.0	6.4	1,011	565	446	5.6	6.8	4.5
1995	1,304	724	580	7.3	8.7	6.1	1,011	564	447	5.6	6.8	4.5
1996	1,290	738	552	7.3	8.9	5.9	942	507	435	5.2	6.0	4.4
1997	1,370	768	602	7.7	9.1	6.4	1,026	596	430	5.5	7.1	4.3
1998	1,391	749	642	7.7	8.8	6.7	1,062	637	425	5.7	7.4	4.2
1999	1,416	814	602	7.8	9.5	6.3	1,093	598	495	5.8	6.9	4.8
2000	1,342	747	595	7.4	8.7	6.2	1,017	574	443	5.3	6.6	4.2
2001	1,317	724	593	7.2	8.5	6.1	1,008	575	433	5.3	6.5	4.2
2002	1,372	785	587	7.5	9.1	6.1	1,044	607	437	5.4	6.8	4.2
2003	1,417	794	623	7.8	9.1	6.6	1,022	575	447	5.2	6.4	4.2
2004	1,389	793	596	7.5	9.0	6.1	984	544	440	5.0	6.0	4.1
2005	1,393	757	636	7.6	8.7	6.7	1,045	604	441	5.3	6.6	4.2
2006	1,334	755	579	7.3	8.6	6.1	994	566	428	5.1	6.3	4.0
2007	1,431	825	606	7.8	9.5	6.3	1,023	581	442	5.1	6.3	4.2
2008	1,378	791	587	7.5	8.9	6.1	1,036	597	439	5.1	6.4	4.0
2009	1,487	843	644	8.0	9.5	6.6	1,086	645	441	5.4	6.9	4.0
2010	1,412	770	642	7.7	8.8	6.6	1,042	580	462	5.1	6.0	4.3
2011	1,398	802	596	7.4	8.8	6.1	1,101	623	478	5.3	6.4	4.3
2012	1,457	859	598	7.7	9.4	6.1	1,155	677	478	5.4	6.9	4.2
2013	1,499	832	667	7.9	9.1	6.9	1,160	663	497	5.4	6.7	4.4
2014	1,451	857	594	7.6	9.3	6.0	1,142	675	467	5.3	6.6	4.1
2015	1,471	814	657	7.7	8.7	6.8	1,183	688	495	5.4	6.7	4.2
2016	1,445	834	611	7.4	8.9	6.0	1,241	701	540	5.7	6.7	4.8
2017	1,455	862	593	7.5	8.9	6.2	1,171	662	509	5.2	6.2	4.2

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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, Brain and Nervous System 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
ALL RACES												
00 - 04	442	217	225	3.5	3.4	3.7	73	40	33	0.6	0.6	0.5
05 - 09	384	192	192	3.0	3.0	3.1	131	72	59	1.0	1.1	1.0
10 - 14	347	211	136	2.7	3.3	2.2	95	57	38	0.8	0.9	0.6
15 - 19	245	138	107	1.9	2.1	1.7	76	48	28	0.6	0.7	0.4
20 - 24	295	173	122	2.1	2.3	1.8	75	50	25	0.5	0.7	0.4
25 - 29	370	219	151	2.5	2.8	2.1	93	51	42	0.6	0.7	0.6
30 - 34	418	245	173	3.0	3.4	2.5	123	72	51	0.9	1.0	0.7
35 - 39	463	273	190	3.5	4.1	2.9	207	117	90	1.6	1.8	1.4
40 - 44	519	307	212	4.1	4.8	3.3	249	150	99	1.9	2.3	1.5
45 - 49	647	376	271	5.0	5.8	4.2	422	251	171	3.3	3.9	2.6
50 - 54	913	532	381	7.0	8.2	5.8	645	396	249	4.9	6.1	3.8
55 - 59	1,185	676	509	9.6	11.2	8.0	941	543	398	7.6	9.0	6.3
60 - 64	1,277	739	538	12.1	14.6	9.7	1,060	622	438	10.0	12.3	7.9
65 - 69	1,295	745	550	15.0	18.4	12.1	1,235	725	510	14.4	17.9	11.2
70 - 74	1,074	623	451	17.5	22.2	13.6	1,047	613	434	17.1	21.8	13.1
75 - 79	850	459	391	19.5	23.8	16.2	873	480	393	20.1	24.9	16.3
80 - 84	656	353	303	20.8	26.5	16.7	734	391	343	23.3	29.4	18.9
85 +	665	290	375	18.9	22.7	16.7	868	387	481	24.7	30.3	21.5
Total/Crude	12,045	6,768	5,277	6.2	7.0	5.4	8,947	5,065	3,882	4.6	5.2	4.0
ASIAN/PACIFIC ISLANDER												
00 - 04	55	33	22	3.5	4.1	2.9	5	2	3	0.3	0.3	0.4
05 - 09	44	20	24	2.8	2.5	3.1	18	9	9	1.1	1.1	1.2
10 - 14	32	20	12	2.0	2.4	1.5	12	6	6	0.7	0.7	0.8
15 - 19	32	19	13	1.9	2.2	1.6	19	11	8	1.1	1.3	1.0
20 - 24	31	18	13	1.6	1.8	1.4	12	8	4	0.6	0.8	0.4
25 - 29	41	25	16	1.7	2.1	1.3	9	8	1	0.4	0.7	0.1
30 - 34	49	32	17	2.1	2.8	1.4	21	12	9	0.9	1.1	0.7
35 - 39	58	32	26	2.6	3.1	2.2	28	11	17	1.3	1.1	1.4
40 - 44	55	33	22	2.4	3.1	1.8	40	25	15	1.8	2.4	1.2
45 - 49	69	37	32	3.3	3.8	2.8	53	28	25	2.5	2.9	2.2
50 - 54	84	45	39	4.1	4.8	3.6	52	26	26	2.6	2.8	2.4
55 - 59	86	47	39	4.5	5.4	3.7	70	36	34	3.7	4.1	3.2
60 - 64	116	57	59	6.9	7.5	6.3	94	50	44	5.6	6.6	4.7
65 - 69	97	57	40	7.1	9.4	5.3	93	56	37	6.9	9.3	4.9
70 - 74	88	55	33	9.4	13.3	6.3	67	40	27	7.2	9.7	5.2
75 - 79	73	46	27	10.5	15.2	6.8	80	49	31	11.5	16.2	7.9
80 - 84	62	28	34	12.5	13.7	11.6	62	27	35	12.5	13.2	11.9
85 +	65	28	37	12.7	14.7	11.5	78	37	41	15.2	19.5	12.7
Total/Crude	1,137	632	505	3.9	4.5	3.3	813	441	372	2.8	3.2	2.4

(Table Continues)

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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, Brain and Nervous System 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
NON-HISPANIC BLACK												
00 - 04	27	17	10	3.5	4.3	2.6	3	2	1	0.4	0.5	0.3
05 - 09	23	12	11	2.9	3.0	2.9	8	5	3	1.0	1.3	0.8
10 - 14	18	12	6	2.3	3.0	1.6	5	3	2	0.6	0.7	0.5
15 - 19	15	8	7	1.7	1.8	1.6	3	3	0	0.3	0.7	0.0
20 - 24	12	7	5	1.2	1.3	1.0	2	2	0	0.2	0.4	0.0
25 - 29	17	10	7	1.7	2.0	1.5	6	4	2	0.6	0.8	0.4
30 - 34	10	6	4	1.2	1.4	1.0	2	1	1	0.2	0.2	0.2
35 - 39	19	12	7	2.5	3.1	1.8	5	4	1	0.7	1.0	0.3
40 - 44	16	13	3	2.1	3.5	0.8	13	8	5	1.7	2.1	1.3
45 - 49	32	19	13	3.9	4.7	3.2	17	9	8	2.1	2.2	2.0
50 - 54	45	29	16	5.2	6.8	3.6	26	19	7	3.0	4.4	1.6
55 - 59	67	40	27	8.2	10.1	6.5	51	32	19	6.3	8.1	4.6
60 - 64	59	33	26	9.2	10.9	7.7	60	34	26	9.3	11.2	7.7
65 - 69	42	25	17	8.7	11.5	6.4	40	28	12	8.3	12.9	4.5
70 - 74	31	16	15	9.3	11.2	8.0	29	18	11	8.7	12.6	5.8
75 - 79	23	13	10	9.4	12.6	7.1	35	21	14	14.4	20.4	10.0
80 - 84	17	6	11	10.6	9.4	11.4	25	10	15	15.6	15.7	15.5
85 +	13	8	5	8.4	15.9	4.8	22	12	10	14.2	23.9	9.5
Total/Crude	486	286	200	4.0	4.8	3.3	352	215	137	2.9	3.6	2.2
HISPANIC												
00 - 04	203	91	112	3.1	2.7	3.5	42	21	21	0.7	0.6	0.7
05 - 09	164	80	84	2.4	2.3	2.5	60	34	26	0.9	1.0	0.8
10 - 14	144	93	51	2.2	2.8	1.6	40	24	16	0.6	0.7	0.5
15 - 19	102	56	46	1.6	1.7	1.4	35	22	13	0.5	0.7	0.4
20 - 24	101	54	47	1.5	1.6	1.4	36	23	13	0.5	0.7	0.4
25 - 29	136	75	61	2.2	2.3	2.0	43	22	21	0.7	0.7	0.7
30 - 34	127	76	51	2.2	2.5	1.8	44	24	20	0.8	0.8	0.7
35 - 39	143	78	65	2.6	2.8	2.4	73	43	30	1.3	1.5	1.1
40 - 44	178	104	74	3.4	4.0	2.9	76	50	26	1.5	1.9	1.0
45 - 49	183	105	78	3.8	4.3	3.3	116	72	44	2.4	3.0	1.9
50 - 54	253	156	97	6.1	7.5	4.7	167	104	63	4.0	5.0	3.1
55 - 59	248	130	118	7.4	7.9	6.9	186	98	88	5.5	6.0	5.1
60 - 64	243	123	120	9.7	10.3	9.1	196	104	92	7.8	8.7	7.0
65 - 69	214	101	113	12.0	12.3	11.8	181	90	91	10.2	11.0	9.5
70 - 74	193	110	83	16.1	21.0	12.3	156	90	66	13.0	17.2	9.8
75 - 79	140	63	77	16.8	17.9	15.9	145	64	81	17.4	18.2	16.7
80 - 84	107	57	50	18.4	24.3	14.4	117	59	58	20.1	25.2	16.7
85 +	87	34	53	15.1	16.1	14.6	120	48	72	20.9	22.7	19.8
Total/Crude	2,966	1,586	1,380	3.9	4.2	3.7	1,833	992	841	2.4	2.6	2.2

(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, Brain and Nervous System 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
NON-HISPANIC WHITE												
00 - 04	147	73	74	4.1	4.0	4.2	23	15	8	0.6	0.8	0.5
05 - 09	146	77	69	4.1	4.3	4.0	45	24	21	1.3	1.3	1.2
10 - 14	145	83	62	4.0	4.4	3.5	37	24	13	1.0	1.3	0.7
15 - 19	88	53	35	2.3	2.6	1.9	19	12	7	0.5	0.6	0.4
20 - 24	145	90	55	3.2	3.8	2.5	25	17	8	0.6	0.7	0.4
25 - 29	171	107	64	3.3	3.9	2.5	35	17	18	0.7	0.6	0.7
30 - 34	222	125	97	4.4	4.8	4.0	53	34	19	1.1	1.3	0.8
35 - 39	236	149	87	5.2	6.4	4.0	99	58	41	2.2	2.5	1.9
40 - 44	263	152	111	5.8	6.5	5.0	118	66	52	2.6	2.8	2.4
45 - 49	352	209	143	6.8	8.0	5.6	228	137	91	4.4	5.2	3.6
50 - 54	522	299	223	8.8	10.0	7.6	397	245	152	6.7	8.2	5.2
55 - 59	774	454	320	12.5	14.6	10.3	628	372	256	10.1	12.0	8.3
60 - 64	850	520	330	15.0	18.7	11.4	707	433	274	12.5	15.5	9.5
65 - 69	932	554	378	18.9	23.2	14.8	915	548	367	18.5	23.0	14.4
70 - 74	755	439	316	20.8	25.7	16.5	785	459	326	21.6	26.8	17.0
75 - 79	606	335	271	23.7	28.8	19.5	610	345	265	23.9	29.6	19.1
80 - 84	470	262	208	24.8	31.8	19.4	528	294	234	27.9	35.7	21.8
85 +	497	218	279	22.0	26.6	19.4	645	289	356	28.6	35.3	24.7
Total/Crude	7,321	4,199	3,122	9.5	11.0	8.1	5,897	3,389	2,508	7.7	8.8	6.5

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, Brain and Nervous System Cancer

Current Age	Males				Females			
	10+ yrs	20+ yrs	30+ yrs	eventually	10+ yrs	20+ yrs	30+ yrs	eventually
ALL RACES								
0	0.03	0.06	0.08	0.67	0.03	0.05	0.07	0.54
25	0.03	0.07	0.14	0.61	0.02	0.05	0.10	0.48
35	0.04	0.11	0.22	0.58	0.03	0.08	0.16	0.46
45	0.07	0.18	0.34	0.55	0.05	0.13	0.24	0.43
55	0.12	0.28	0.42	0.50	0.08	0.20	0.31	0.39
65	0.17	0.33	-	0.42	0.12	0.24	-	0.33
	Lifetime Risk of Being Diagnosed = 0.67%				Lifetime Risk of Being Diagnosed = 0.54%			
	Lifetime Risk of Dying of Cancer = 0.59%				Lifetime Risk of Dying of Cancer = 0.46%			
ASIAN/PACIFIC ISLANDER								
0	0.03	0.06	0.07	0.49	0.03	0.04	0.06	0.38
25	0.02	0.06	0.10	0.43	0.01	0.03	0.06	0.33
35	0.03	0.07	0.13	0.41	0.02	0.05	0.10	0.32
45	0.04	0.10	0.19	0.38	0.03	0.08	0.13	0.30
55	0.06	0.16	0.26	0.35	0.05	0.10	0.17	0.27
65	0.10	0.20	-	0.30	0.06	0.13	-	0.23
	Lifetime Risk of Being Diagnosed = 0.49%				Lifetime Risk of Being Diagnosed = 0.38%			
	Lifetime Risk of Dying of Cancer = 0.42%				Lifetime Risk of Dying of Cancer = 0.32%			
NON-HISPANIC BLACK								
0	0.04	0.06	0.07	0.38	0.02	0.04	0.05	0.28
25	0.02	0.05	0.10	0.33	0.01	0.03	0.06	0.24
35	0.03	0.09	0.17	0.32	0.01	0.05	0.11	0.23
45	0.06	0.14	0.22	0.30	0.03	0.09	0.15	0.22
55	0.09	0.17	0.22	0.26	0.06	0.12	0.18	0.20
65	0.09	0.15	-	0.19	0.06	0.12	-	0.15
	Lifetime Risk of Being Diagnosed = 0.38%				Lifetime Risk of Being Diagnosed = 0.28%			
	Lifetime Risk of Dying of Cancer = 0.35%				Lifetime Risk of Dying of Cancer = 0.23%			
HISPANIC								
0	0.03	0.05	0.07	0.55	0.03	0.04	0.06	0.50
25	0.02	0.06	0.11	0.51	0.02	0.04	0.08	0.45
35	0.03	0.09	0.17	0.49	0.03	0.06	0.14	0.44
45	0.06	0.14	0.27	0.46	0.04	0.11	0.22	0.41
55	0.09	0.22	0.35	0.42	0.08	0.18	0.29	0.38
65	0.14	0.28	-	0.36	0.11	0.23	-	0.32
	Lifetime Risk of Being Diagnosed = 0.55%				Lifetime Risk of Being Diagnosed = 0.50%			
	Lifetime Risk of Dying of Cancer = 0.47%				Lifetime Risk of Dying of Cancer = 0.43%			
NON-HISPANIC WHITE								
0	0.04	0.08	0.11	0.82	0.04	0.07	0.09	0.65
25	0.04	0.10	0.19	0.74	0.03	0.08	0.14	0.57
35	0.06	0.15	0.29	0.70	0.04	0.11	0.21	0.55
45	0.09	0.24	0.42	0.65	0.07	0.17	0.30	0.51
55	0.15	0.35	0.51	0.59	0.10	0.24	0.37	0.45
65	0.21	0.40	-	0.48	0.14	0.28	-	0.37
	Lifetime Risk of Being Diagnosed = 0.82%				Lifetime Risk of Being Diagnosed = 0.65%			
	Lifetime Risk of Dying of Cancer = 0.70%				Lifetime Risk of Dying of Cancer = 0.54%			

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