

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2015, 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	1,800	980	820	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	1,819	984	835	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	1,827	1,013	814	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	1,931	1,076	855	6.5	7.8	5.4	1,334	772	562	4.7	6.0	3.6
1998	1,936	1,025	911	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	1,922	1,065	857	6.1	7.2	5.1	1,376	768	608	4.5	5.5	3.7
2001	1,971	1,077	894	6.1	7.1	5.3	1,363	758	605	4.4	5.3	3.6
2002	2,062	1,137	925	6.3	7.4	5.4	1,405	802	603	4.4	5.6	3.5
2003	2,131	1,161	970	6.4	7.5	5.5	1,413	774	639	4.4	5.2	3.7
2004	2,113	1,203	910	6.2	7.5	5.1	1,388	774	614	4.2	5.2	3.4
2005	2,116	1,150	966	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	2,199	1,228	971	6.3	7.4	5.2	1,476	822	654	4.3	5.2	3.5
2008	2,186	1,251	935	6.1	7.4	5.0	1,508	864	644	4.3	5.3	3.3
2009	2,273	1,263	1,010	6.3	7.4	5.3	1,557	878	679	4.3	5.3	3.5
2010	2,263	1,234	1,029	6.1	7.0	5.2	1,515	832	683	4.1	4.9	3.4
2011	2,218	1,241	977	5.8	6.9	4.9	1,615	906	709	4.2	5.2	3.4
2012	2,271	1,302	969	5.9	7.1	4.8	1,709	977	732	4.4	5.4	3.5
2013	2,386	1,324	1,062	6.1	7.1	5.1	1,708	967	741	4.3	5.3	3.5
2014	2,391	1,361	1,030	5.9	7.1	4.9	1,740	999	741	4.3	5.3	3.4
2015	2,363	1,258	1,105	5.8	6.5	5.2	1,810	1,017	793	4.3	5.3	3.5
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	88	44	44	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	101	52	49	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	133	77	56	3.5	4.5	2.7	74	43	31	2.0	2.8	1.5
2002	147	73	74	3.6	3.7	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	153	85	68	3.6	4.3	3.0	98	60	38	2.4	3.2	1.7
2005	164	82	82	3.8	4.2	3.5	98	56	42	2.4	3.0	1.8
2006	167	92	75	3.7	4.5	3.1	110	54	56	2.5	2.8	2.3
2007	177	100	77	3.8	4.6	3.2	99	55	44	2.2	2.6	1.8
2008	194	112	82	4.1	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	223	120	103	4.3	5.1	3.7	126	70	56	2.4	3.1	1.9
2011	202	102	100	3.8	4.3	3.4	121	67	54	2.2	2.7	1.8
2012	210	111	99	3.7	4.3	3.3	135	71	64	2.4	3.0	2.0
2013	208	116	92	3.6	4.4	3.0	154	78	76	2.6	2.9	2.4
2014	230	133	97	4.0	5.0	3.1	150	84	66	2.4	3.1	1.9
2015	211	107	104	3.4	3.8	3.1	181	90	91	2.8	3.2	2.5

(Table Continues)

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

Source: California Cancer Registry (January 2018) and CDPH 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.

Excludes cases reported by the Department of Veterans Affairs.

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, 1988-2015, 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
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	99	56	43	5.1	6.2	4.3	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	82	43	39	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	78	40	38	3.7	4.4	3.3	54	32	22	2.8	3.9	2.0
2007	85	47	38	3.8	4.5	3.3	53	27	26	2.6	3.0	2.3
2008	92	54	38	4.1	5.3	3.2	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	101	53	48	4.6	5.2	4.1	64	25	39	3.0	2.7	3.3
2011	105	62	43	4.7	6.0	3.6	70	39	31	3.1	3.8	2.5
2012	85	52	33	3.6	4.6	2.7	74	46	28	3.3	4.3	2.3
2013	110	73	37	4.6	6.5	2.9	65	41	24	2.9	4.0	2.1
2014	94	54	40	3.8	4.5	3.1	74	42	32	3.0	4.1	2.3
2015	96	53	43	3.9	4.6	3.3	75	49	26	3.2	4.5	2.1
HISPANIC												
1988	242	149	93	5.0	6.5	3.6	110	65	45	3.0	4.0	2.2
1989	230	122	108	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	277	153	124	5.1	5.6	4.6	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	280	150	130	5.0	5.7	4.5	147	73	74	3.2	3.2	3.2
1994	294	168	126	5.2	6.3	4.3	150	89	61	3.2	4.0	2.5
1995	324	177	147	5.5	6.2	4.9	172	97	75	3.7	4.5	3.0
1996	306	141	165	4.7	4.3	5.1	173	84	89	3.5	3.4	3.5
1997	340	185	155	5.4	6.1	4.7	174	97	77	3.4	4.0	2.8
1998	330	162	168	4.9	5.0	4.9	211	102	109	3.9	3.7	3.9
1999	385	199	186	5.2	5.4	5.0	211	103	108	3.6	3.8	3.4
2000	385	206	179	5.0	5.7	4.4	234	126	108	3.9	4.6	3.3
2001	418	221	197	5.5	5.8	5.1	219	106	113	3.4	3.7	3.2
2002	461	231	230	5.7	5.9	5.5	226	112	114	3.4	3.5	3.4
2003	445	224	221	5.5	6.3	5.0	245	116	129	3.6	3.6	3.7
2004	473	271	202	5.5	6.8	4.4	241	131	110	3.6	4.4	3.0
2005	470	267	203	5.3	6.4	4.3	267	154	113	3.8	4.9	2.9
2006	474	258	216	5.0	5.5	4.6	256	147	109	3.3	4.0	2.7
2007	502	250	252	5.2	5.3	5.1	298	157	141	3.7	3.9	3.4
2008	511	289	222	5.1	6.0	4.3	300	164	136	3.5	4.0	3.1
2009	502	280	222	5.0	5.8	4.3	298	152	146	3.6	3.8	3.3
2010	521	292	229	5.1	5.8	4.3	279	155	124	3.2	3.6	2.8
2011	503	272	231	4.6	5.3	4.0	316	172	144	3.5	4.0	3.0
2012	499	273	226	4.5	5.3	3.9	335	179	156	3.5	4.0	3.0
2013	558	295	263	4.9	5.6	4.3	319	180	139	3.2	3.9	2.6
2014	595	311	284	5.0	5.6	4.6	360	190	170	3.6	4.1	3.1
2015	598	294	304	4.9	4.9	4.9	361	183	178	3.2	3.5	3.0

(Table Continues)

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Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2015, 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
NON-HISPANIC WHITE												
1988	1,292	695	597	7.5	8.8	6.5	890	494	396	5.1	6.3	4.2
1989	1,336	747	589	7.6	9.0	6.3	955	515	440	5.4	6.4	4.7
1990	1,360	748	612	7.7	9.1	6.5	951	531	420	5.3	6.5	4.3
1991	1,315	732	583	7.4	8.8	6.1	1,036	554	482	5.8	6.8	4.9
1992	1,363	755	608	7.7	9.1	6.5	1,003	565	438	5.5	6.9	4.4
1993	1,342	736	606	7.5	8.8	6.3	1,002	578	424	5.5	7.0	4.3
1994	1,345	747	598	7.6	9.0	6.4	1,011	565	446	5.6	6.8	4.5
1995	1,298	724	574	7.3	8.7	6.0	1,011	564	447	5.6	6.8	4.5
1996	1,288	737	551	7.3	8.8	5.9	942	507	435	5.2	6.0	4.4
1997	1,366	766	600	7.6	9.1	6.4	1,026	596	430	5.5	7.1	4.3
1998	1,385	748	637	7.7	8.8	6.7	1,062	637	425	5.7	7.4	4.2
1999	1,412	815	597	7.8	9.5	6.2	1,093	598	495	5.8	6.9	4.8
2000	1,336	747	589	7.4	8.7	6.1	1,017	574	443	5.3	6.6	4.2
2001	1,313	726	587	7.2	8.5	6.1	1,008	575	433	5.3	6.5	4.2
2002	1,369	785	584	7.5	9.1	6.1	1,044	607	437	5.4	6.8	4.2
2003	1,411	790	621	7.7	9.1	6.5	1,022	575	447	5.2	6.4	4.2
2004	1,392	796	596	7.5	9.0	6.1	984	544	440	5.0	6.0	4.1
2005	1,389	755	634	7.6	8.6	6.7	1,045	604	441	5.3	6.6	4.2
2006	1,331	754	577	7.3	8.6	6.1	994	566	428	5.1	6.3	4.0
2007	1,424	822	602	7.8	9.5	6.2	1,023	581	442	5.1	6.3	4.2
2008	1,371	788	583	7.4	8.9	6.1	1,036	597	439	5.1	6.4	4.0
2009	1,483	841	642	7.9	9.4	6.6	1,086	645	441	5.4	6.9	4.0
2010	1,398	758	640	7.6	8.7	6.6	1,042	580	462	5.1	6.0	4.3
2011	1,383	794	589	7.3	8.7	6.0	1,101	623	478	5.3	6.4	4.3
2012	1,454	853	601	7.7	9.4	6.2	1,155	677	478	5.4	6.9	4.2
2013	1,489	827	662	7.9	9.0	6.8	1,160	663	497	5.4	6.7	4.4
2014	1,447	851	596	7.6	9.3	6.0	1,142	675	467	5.3	6.6	4.1
2015	1,436	797	639	7.5	8.5	6.6	1,183	688	495	5.4	6.7	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, 2011-2015, Brain and Nervous System Cancer

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2011-2015			Annual Rate			Deaths 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
ALL RACES												
00 - 04	439	228	211	3.5	3.6	3.4	70	42	28	0.6	0.7	0.5
05 - 09	382	200	182	3.0	3.1	2.9	121	68	53	1.0	1.1	0.9
10 - 14	301	183	118	2.4	2.8	1.9	91	53	38	0.7	0.8	0.6
15 - 19	276	150	126	2.1	2.2	1.9	81	53	28	0.6	0.8	0.4
20 - 24	278	161	117	1.9	2.1	1.7	74	43	31	0.5	0.6	0.4
25 - 29	342	197	145	2.4	2.7	2.1	104	62	42	0.7	0.8	0.6
30 - 34	407	232	175	3.0	3.3	2.6	129	83	46	0.9	1.2	0.7
35 - 39	424	236	188	3.3	3.7	3.0	203	121	82	1.6	1.9	1.3
40 - 44	501	279	222	3.8	4.3	3.4	271	159	112	2.1	2.4	1.7
45 - 49	687	400	287	5.3	6.1	4.4	447	278	169	3.4	4.3	2.6
50 - 54	957	573	384	7.3	8.8	5.8	662	417	245	5.0	6.4	3.7
55 - 59	1,172	661	511	9.8	11.3	8.3	908	520	388	7.6	8.9	6.3
60 - 64	1,185	660	525	11.7	13.7	10.0	1,037	598	439	10.3	12.4	8.3
65 - 69	1,201	674	527	15.3	18.2	12.7	1,139	650	489	14.5	17.6	11.8
70 - 74	980	564	416	17.6	22.1	13.7	942	545	397	16.9	21.4	13.1
75 - 79	790	425	365	19.2	23.4	15.9	762	415	347	18.5	22.8	15.1
80 - 84	671	375	296	21.7	28.9	16.5	712	392	320	23.0	30.2	17.8
85 +	636	288	348	19.0	24.2	16.2	829	367	462	24.8	30.8	21.5
Total/Crude	11,629	6,486	5,143	5.9	6.9	5.0	8,582	4,866	3,716	4.5	5.1	3.8
ASIAN/PACIFIC ISLANDER												
00 - 04	48	29	19	3.2	3.7	2.6	5	3	2	0.3	0.4	0.3
05 - 09	50	26	24	3.2	3.2	3.1	16	11	5	1.0	1.4	0.7
10 - 14	25	14	11	1.6	1.7	1.4	12	7	5	0.8	0.9	0.7
15 - 19	33	19	14	2.0	2.2	1.7	16	9	7	1.0	1.1	0.9
20 - 24	27	13	14	1.4	1.3	1.4	7	4	3	0.4	0.4	0.3
25 - 29	34	20	14	1.5	1.8	1.2	11	10	1	0.5	0.9	0.1
30 - 34	44	23	21	2.0	2.2	1.8	22	12	10	1.0	1.2	0.9
35 - 39	61	26	35	2.8	2.6	3.0	27	11	16	1.3	1.1	1.4
40 - 44	57	36	21	2.6	3.5	1.8	34	21	13	1.5	2.1	1.1
45 - 49	75	38	37	3.7	4.0	3.4	59	29	30	2.9	3.1	2.7
50 - 54	73	43	30	3.7	4.7	2.8	48	25	23	2.4	2.7	2.2
55 - 59	84	46	38	4.6	5.5	3.8	73	33	40	4.0	4.0	4.0
60 - 64	102	48	54	6.5	6.8	6.2	79	41	38	5.0	5.8	4.4
65 - 69	89	48	41	7.6	9.1	6.3	80	42	38	6.8	8.0	5.9
70 - 74	85	51	34	10.1	13.6	7.2	61	37	24	7.2	9.9	5.1
75 - 79	66	40	26	10.3	14.6	7.1	67	38	29	10.5	13.8	7.9
80 - 84	51	26	25	11.1	14.0	9.2	53	26	27	11.6	14.0	9.9
85 +	57	23	34	12.9	14.0	12.2	71	31	40	16.0	18.9	14.4
Total/Crude	1,061	569	492	3.7	4.4	3.2	741	390	351	2.6	2.9	2.4

(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. Excludes cases reported by the Department of Veterans Affairs.

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, 2011-2015, Brain and Nervous System Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2011-2015			Annual Rate			Deaths 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK												
00 - 04	24	16	8	3.1	4.0	2.1	3	3	0	0.4	0.8	0.0
05 - 09	18	10	8	2.3	2.5	2.1	11	7	4	1.4	1.8	1.0
10 - 14	20	15	5	2.4	3.6	1.2	4	2	2	0.5	0.5	0.5
15 - 19	16	9	7	1.7	1.9	1.6	9	8	1	1.0	1.7	0.2
20 - 24	15	10	5	1.4	1.9	1.0	4	2	2	0.4	0.4	0.4
25 - 29	14	8	6	1.5	1.7	1.3	5	3	2	0.5	0.6	0.5
30 - 34	15	9	6	1.8	2.2	1.5	5	4	1	0.6	1.0	0.3
35 - 39	20	13	7	2.7	3.5	1.9	6	5	1	0.8	1.4	0.3
40 - 44	15	8	7	1.9	2.0	1.8	13	9	4	1.7	2.3	1.0
45 - 49	36	23	13	4.2	5.4	3.0	20	11	9	2.4	2.6	2.1
50 - 54	55	34	21	6.2	7.7	4.7	30	20	10	3.4	4.6	2.2
55 - 59	61	37	24	7.9	9.8	6.0	40	27	13	5.2	7.2	3.3
60 - 64	47	27	20	7.7	9.5	6.2	53	27	26	8.7	9.5	8.1
65 - 69	41	23	18	9.4	11.7	7.5	39	26	13	8.9	13.2	5.4
70 - 74	31	20	11	9.8	14.6	6.2	31	22	9	9.8	16.1	5.1
75 - 79	22	12	10	9.5	12.1	7.5	32	19	13	13.8	19.1	9.8
80 - 84	24	12	12	16.1	20.7	13.2	29	12	17	19.5	20.7	18.7
85 +	16	8	8	11.0	17.2	8.1	24	10	14	16.5	21.5	14.1
Total/Crude	490	294	196	4.1	5.2	3.1	358	217	141	3.0	3.7	2.3
HISPANIC												
00 - 04	189	83	106	2.8	2.4	3.3	40	18	22	0.6	0.5	0.7
05 - 09	166	85	81	2.5	2.5	2.5	51	25	26	0.8	0.7	0.8
10 - 14	130	79	51	2.0	2.4	1.6	44	26	18	0.7	0.8	0.6
15 - 19	110	58	52	1.7	1.7	1.6	35	21	14	0.5	0.6	0.4
20 - 24	86	45	41	1.3	1.3	1.3	38	22	16	0.6	0.6	0.5
25 - 29	116	61	55	1.9	1.9	1.9	43	25	18	0.7	0.8	0.6
30 - 34	126	76	50	2.2	2.6	1.8	47	30	17	0.8	1.0	0.6
35 - 39	133	72	61	2.5	2.6	2.3	76	48	28	1.4	1.8	1.1
40 - 44	162	89	73	3.1	3.4	2.9	77	47	30	1.5	1.8	1.2
45 - 49	184	104	80	4.0	4.4	3.5	112	62	50	2.4	2.6	2.2
50 - 54	232	140	92	5.9	7.1	4.7	158	99	59	4.0	5.1	3.0
55 - 59	229	113	116	7.4	7.5	7.3	166	86	80	5.3	5.7	5.0
60 - 64	221	109	112	9.8	10.2	9.4	166	85	81	7.3	7.9	6.8
65 - 69	192	93	99	12.2	12.9	11.5	171	81	90	10.8	11.2	10.5
70 - 74	164	91	73	15.2	19.3	11.9	140	75	65	12.9	15.9	10.6
75 - 79	132	64	68	16.9	19.6	15.0	120	60	60	15.4	18.3	13.3
80 - 84	97	48	49	17.5	21.6	14.8	109	57	52	19.7	25.6	15.7
85 +	84	35	49	16.7	19.0	15.4	98	37	61	19.5	20.1	19.2
Total/Crude	2,753	1,445	1,308	4.8	5.3	4.3	1,691	904	787	2.3	2.4	2.2

(Table Continues)

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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, 2011-2015, Brain and Nervous System Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2011-2015			Annual Rate			Deaths 2011-2015			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE												
00 - 04	171	95	76	4.8	5.2	4.4	22	18	4	0.6	1.0	0.2
05 - 09	143	77	66	4.0	4.2	3.8	43	25	18	1.2	1.4	1.0
10 - 14	123	74	49	3.3	3.9	2.7	30	18	12	0.8	0.9	0.7
15 - 19	110	61	49	2.7	2.9	2.5	21	15	6	0.5	0.7	0.3
20 - 24	145	90	55	3.0	3.6	2.4	25	15	10	0.5	0.6	0.4
25 - 29	173	106	67	3.4	4.0	2.7	45	24	21	0.9	0.9	0.9
30 - 34	213	118	95	4.4	4.7	4.0	53	36	17	1.1	1.4	0.7
35 - 39	207	125	82	4.7	5.5	3.9	92	56	36	2.1	2.5	1.7
40 - 44	259	143	116	5.3	5.7	4.9	144	81	63	3.0	3.2	2.7
45 - 49	385	231	154	7.1	8.3	5.7	250	171	79	4.6	6.2	2.9
50 - 54	592	353	239	9.4	11.1	7.7	421	270	151	6.7	8.5	4.9
55 - 59	791	459	332	12.7	14.8	10.7	624	370	254	10.1	11.9	8.2
60 - 64	806	471	335	14.4	17.2	11.8	734	443	291	13.1	16.2	10.2
65 - 69	869	506	363	18.8	22.7	15.2	844	498	346	18.3	22.3	14.5
70 - 74	688	397	291	20.8	25.6	16.6	700	405	295	21.2	26.1	16.9
75 - 79	563	308	255	23.1	27.8	19.2	539	297	242	22.1	26.8	18.2
80 - 84	495	288	207	25.7	34.8	18.9	519	296	223	27.0	35.8	20.3
85 +	476	220	256	21.3	27.7	17.7	635	288	347	28.4	36.3	24.0
Total/Crude	7,209	4,122	3,087	7.6	9.0	6.3	5,741	3,326	2,415	7.4	8.6	6.2

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

Source: California Cancer Registry (January 2018) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified. Excludes cases reported by the Department of Veterans Affairs.

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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	0.53
25	0.03	0.07	0.14	0.61	0.02	0.05	0.10	0.48
35	0.04	0.11	0.22	0.59	0.03	0.08	0.17	0.46
45	0.07	0.19	0.34	0.56	0.05	0.14	0.25	0.43
55	0.12	0.28	0.42	0.51	0.09	0.20	0.31	0.39
65	0.17	0.34	-	0.43	0.12	0.24	-	0.32
Lifetime Risk of Being Diagnosed = 0.67%				Lifetime Risk of Being Diagnosed = 0.53%				
Lifetime Risk of Dying of Cancer = 0.58%				Lifetime Risk of Dying of Cancer = 0.45%				
ASIAN/PACIFIC ISLANDER								
0	0.03	0.05	0.07	0.47	0.03	0.04	0.06	0.38
25	0.02	0.05	0.09	0.41	0.02	0.04	0.07	0.34
35	0.03	0.07	0.13	0.40	0.02	0.05	0.10	0.32
45	0.04	0.10	0.19	0.37	0.03	0.08	0.14	0.30
55	0.06	0.16	0.25	0.34	0.05	0.11	0.17	0.27
65	0.10	0.21	-	0.29	0.06	0.13	-	0.24
Lifetime Risk of Being Diagnosed = 0.47%				Lifetime Risk of Being Diagnosed = 0.38%				
Lifetime Risk of Dying of Cancer = 0.40%				Lifetime Risk of Dying of Cancer = 0.33%				
NON-HISPANIC BLACK								
0	0.03	0.06	0.08	0.41	0.02	0.03	0.05	0.29
25	0.02	0.05	0.11	0.36	0.01	0.03	0.07	0.26
35	0.03	0.09	0.17	0.34	0.02	0.05	0.11	0.24
45	0.06	0.14	0.23	0.33	0.04	0.09	0.14	0.23
55	0.09	0.18	0.24	0.28	0.06	0.11	0.17	0.20
65	0.10	0.18	-	0.23	0.06	0.12	-	0.16
Lifetime Risk of Being Diagnosed = 0.41%				Lifetime Risk of Being Diagnosed = 0.29%				
Lifetime Risk of Dying of Cancer = 0.37%				Lifetime Risk of Dying of Cancer = 0.25%				
HISPANIC								
0	0.02	0.04	0.06	0.55	0.03	0.04	0.06	0.50
25	0.02	0.05	0.11	0.51	0.02	0.04	0.08	0.45
35	0.03	0.08	0.17	0.49	0.03	0.07	0.14	0.44
45	0.06	0.14	0.26	0.47	0.04	0.12	0.22	0.41
55	0.08	0.21	0.34	0.43	0.08	0.18	0.29	0.38
65	0.14	0.28	-	0.37	0.11	0.22	-	0.32
Lifetime Risk of Being Diagnosed = 0.55%				Lifetime Risk of Being Diagnosed = 0.50%				
Lifetime Risk of Dying of Cancer = 0.46%				Lifetime Risk of Dying of Cancer = 0.41%				
NON-HISPANIC WHITE								
0	0.05	0.08	0.12	0.82	0.04	0.06	0.09	0.64
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	0.54
45	0.09	0.24	0.42	0.66	0.07	0.17	0.30	0.50
55	0.15	0.34	0.51	0.59	0.11	0.24	0.37	0.44
65	0.21	0.40	-	0.49	0.14	0.28	-	0.36
Lifetime Risk of Being Diagnosed = 0.82%				Lifetime Risk of Being Diagnosed = 0.64%				
Lifetime Risk of Dying of Cancer = 0.70%				Lifetime Risk of Dying of Cancer = 0.52%				

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 Note: Based on average annual age-specific cancer incidence and mortality rates in California, 2011-2015.
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