

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, Rectum and Rectosigmoid 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	3,770	2,051	1,719	16.2	20.5	13.0	802	430	372	3.6	4.6	2.8
1989	3,701	1,976	1,725	15.5	19.1	12.8	764	400	364	3.3	4.2	2.7
1990	3,706	1,954	1,752	15.2	18.7	12.6	794	419	375	3.3	4.1	2.7
1991	3,811	2,121	1,690	15.4	19.8	12.1	798	437	361	3.3	4.3	2.6
1992	3,758	2,026	1,732	14.9	18.7	12.2	804	449	355	3.2	4.3	2.5
1993	3,695	1,962	1,733	14.5	17.7	12.0	860	448	412	3.4	4.3	2.8
1994	3,640	2,051	1,589	14.0	18.1	10.8	875	466	409	3.4	4.3	2.8
1995	3,596	2,003	1,593	13.6	17.3	10.6	832	493	339	3.2	4.4	2.2
1996	3,719	2,080	1,639	13.8	17.6	10.8	822	472	350	3.1	4.2	2.3
1997	3,839	2,104	1,735	13.9	17.5	11.2	795	450	345	2.9	3.9	2.2
1998	4,069	2,264	1,805	14.4	18.2	11.5	773	410	363	2.8	3.3	2.3
1999	4,060	2,221	1,839	14.0	17.3	11.4	825	448	377	2.9	3.6	2.3
2000	4,059	2,254	1,805	13.7	17.2	10.9	811	475	336	2.8	3.8	2.0
2001	4,003	2,270	1,733	13.2	16.8	10.3	813	437	376	2.7	3.4	2.2
2002	3,998	2,219	1,779	12.9	16.0	10.3	849	468	381	2.8	3.5	2.2
2003	4,063	2,226	1,837	12.8	15.7	10.5	845	468	377	2.7	3.4	2.1
2004	3,965	2,182	1,783	12.3	15.0	10.0	831	483	348	2.6	3.5	1.9
2005	4,068	2,339	1,729	12.3	15.5	9.5	882	474	408	2.7	3.3	2.2
2006	4,088	2,324	1,764	12.1	15.2	9.5	890	489	401	2.7	3.3	2.1
2007	4,320	2,405	1,915	12.5	15.3	10.2	911	504	407	2.7	3.3	2.1
2008	4,298	2,400	1,898	12.2	14.8	9.9	912	513	399	2.6	3.3	2.0
2009	4,305	2,454	1,851	11.8	14.7	9.4	941	535	406	2.6	3.4	2.0
2010	4,339	2,406	1,933	11.6	14.0	9.6	1,017	576	441	2.8	3.5	2.2
2011	4,218	2,386	1,832	11.0	13.5	9.0	983	544	439	2.6	3.2	2.1
2012	4,256	2,380	1,876	10.8	13.0	8.9	1,067	608	459	2.7	3.5	2.1
2013	4,245	2,436	1,809	10.5	13.0	8.4	1,032	583	449	2.6	3.2	2.0
2014	4,418	2,557	1,861	10.6	13.2	8.4	1,052	613	439	2.6	3.3	1.9
2015	4,328	2,515	1,813	10.2	12.6	8.1	1,072	598	474	2.5	3.1	2.1
ASIAN/PACIFIC ISLANDER												
1988	237	142	95	14.9	20.2	10.6	40	24	16	2.8	3.7	2.0
1989	213	108	105	13.4	14.7	12.3	48	34	14	3.3	5.0	-
1990	245	129	116	13.9	17.2	11.2	36	23	13	2.2	3.1	-
1991	299	159	140	15.8	18.9	13.4	56	32	24	3.3	3.7	2.8
1992	328	186	142	16.2	20.9	12.5	70	48	22	3.6	5.4	2.2
1993	306	181	125	14.2	18.7	10.7	70	38	32	3.5	4.3	2.8
1994	357	200	157	15.7	19.0	13.0	67	35	32	2.9	3.2	2.6
1995	342	190	152	14.2	17.3	11.7	66	42	24	2.9	4.1	1.9
1996	357	216	141	13.8	18.6	9.9	65	34	31	2.7	3.0	2.4
1997	388	238	150	14.1	20.2	9.4	71	41	30	3.0	3.8	2.3
1998	396	224	172	13.3	16.8	10.4	60	37	23	2.1	2.7	1.5
1999	434	249	185	14.0	18.5	10.6	77	46	31	2.6	3.6	1.8
2000	470	260	210	14.3	18.1	11.3	81	52	29	2.7	3.9	1.7
2001	493	272	221	14.3	17.4	11.7	71	38	33	2.1	2.6	1.7
2002	516	290	226	14.2	17.5	11.4	90	51	39	2.7	3.4	2.1
2003	495	277	218	12.8	16.4	10.0	85	47	38	2.3	3.1	1.8
2004	520	292	228	12.9	16.6	10.0	72	48	24	1.9	2.9	1.1
2005	553	298	255	13.1	15.7	10.9	90	47	43	2.3	2.6	2.0
2006	617	356	261	13.8	18.0	10.5	98	57	41	2.3	3.0	1.7
2007	648	363	285	13.8	17.7	10.8	112	61	51	2.5	3.1	2.0
2008	604	336	268	12.4	15.5	9.9	121	71	50	2.6	3.6	1.9
2009	641	355	286	12.5	15.7	10.0	104	65	39	2.1	3.0	1.5
2010	673	366	307	12.7	15.4	10.5	137	84	53	2.7	3.6	1.9
2011	692	387	305	12.3	15.8	9.7	130	61	69	2.4	2.6	2.2
2012	670	374	296	11.4	14.4	9.1	167	90	77	2.9	3.5	2.4
2013	673	409	264	11.0	15.0	7.7	123	81	42	2.0	3.0	1.2
2014	731	431	300	11.3	15.1	8.4	141	83	58	2.2	2.9	1.6
2015	688	393	295	10.2	12.9	8.0	153	80	73	2.3	2.8	2.0

(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, Rectum and Rectosigmoid 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	204	89	115	16.6	16.1	16.5	56	28	28	4.8	4.7	4.4
1989	183	85	98	14.5	15.9	13.5	51	19	32	4.4	4.0	4.7
1990	216	89	127	16.3	15.3	16.8	51	19	32	3.9	3.2	4.2
1991	223	134	89	16.4	23.4	11.7	49	23	26	3.7	4.0	3.5
1992	204	95	109	14.7	16.2	13.8	60	31	29	4.6	5.3	4.0
1993	201	97	104	14.2	15.2	13.1	77	32	45	5.7	5.7	5.8
1994	204	100	104	13.9	15.8	12.5	53	31	22	3.8	5.2	2.7
1995	219	126	93	14.9	19.5	11.1	61	33	28	4.2	5.0	3.5
1996	210	110	100	14.1	17.4	11.7	57	32	25	3.9	5.1	3.0
1997	224	114	110	14.0	15.8	12.4	55	34	21	3.5	4.6	2.5
1998	226	133	93	14.2	19.2	10.4	64	36	28	4.0	4.7	3.2
1999	233	120	113	14.1	16.9	12.2	41	26	15	2.7	4.3	1.7
2000	207	103	104	12.3	13.9	10.9	66	48	18	3.9	7.0	1.8
2001	214	99	115	12.3	12.5	11.8	58	28	30	3.7	4.1	3.3
2002	220	107	113	12.5	13.8	11.4	60	28	32	3.5	3.6	3.4
2003	237	120	117	12.9	14.7	11.5	72	38	34	4.1	4.6	3.5
2004	255	138	117	14.0	17.7	11.4	48	26	22	2.9	4.0	2.2
2005	232	121	111	12.2	13.6	10.8	67	33	34	3.6	3.8	3.4
2006	239	130	109	11.8	14.1	9.9	63	31	32	3.6	4.3	3.1
2007	259	139	120	13.1	15.7	11.1	56	37	19	3.0	4.7	1.9
2008	249	144	105	11.8	15.3	9.0	68	45	23	3.4	5.2	2.0
2009	280	133	147	13.0	14.4	12.1	61	37	24	2.9	4.0	2.0
2010	269	142	127	12.2	14.3	10.5	74	40	34	3.6	4.5	2.9
2011	247	139	108	11.0	13.6	8.8	67	41	26	3.0	4.3	2.1
2012	245	113	132	10.4	10.8	10.2	64	38	26	2.9	3.8	2.2
2013	264	138	126	11.0	12.6	9.7	70	40	30	3.1	4.0	2.4
2014	240	140	100	9.7	12.6	7.5	71	41	30	3.1	4.0	2.4
2015	246	136	110	9.8	11.5	8.4	76	41	35	3.2	4.0	2.7
HISPANIC												
1988	338	185	153	12.1	14.7	10.0	64	41	23	2.5	3.6	1.7
1989	353	200	153	12.0	15.6	9.4	72	39	33	2.9	3.5	2.4
1990	355	203	152	11.5	14.6	9.1	78	43	35	2.8	3.3	2.4
1991	353	199	154	11.2	14.7	8.7	76	50	26	2.7	4.0	1.7
1992	374	213	161	11.8	15.8	8.9	92	57	35	3.0	4.1	2.2
1993	398	220	178	11.9	14.5	9.9	94	51	43	2.9	3.7	2.3
1994	390	244	146	11.3	16.6	7.5	95	58	37	3.0	4.3	2.1
1995	396	235	161	10.8	15.0	7.8	98	56	42	2.8	3.8	2.1
1996	448	271	177	11.6	16.0	8.2	86	51	35	2.4	3.3	1.8
1997	429	239	190	10.7	13.8	8.4	85	49	36	2.1	2.9	1.5
1998	516	310	206	12.2	17.1	8.6	90	54	36	2.3	3.1	1.7
1999	535	292	243	12.0	15.2	9.7	94	51	43	2.3	2.9	1.9
2000	545	322	223	11.7	16.1	8.5	102	51	51	2.2	2.6	2.0
2001	578	349	229	11.1	15.4	7.9	101	61	40	2.3	3.4	1.5
2002	615	344	271	11.6	14.6	9.3	104	56	48	2.1	2.5	1.8
2003	629	381	248	11.0	14.6	8.1	123	80	43	2.4	3.6	1.5
2004	670	368	302	11.5	14.5	9.3	115	70	45	2.1	3.0	1.5
2005	728	461	267	11.3	16.0	7.5	141	89	52	2.5	3.7	1.6
2006	708	410	298	10.8	14.3	8.2	160	89	71	2.7	3.5	2.1
2007	796	454	342	11.3	14.6	8.7	142	85	57	2.3	3.0	1.7
2008	828	502	326	11.2	14.9	8.2	157	93	64	2.3	3.0	1.8
2009	835	502	333	10.7	14.3	7.8	170	103	67	2.4	3.3	1.8
2010	886	513	373	10.7	14.1	8.1	188	120	68	2.5	3.8	1.6
2011	936	540	396	10.7	13.4	8.5	199	121	78	2.4	3.2	1.8
2012	953	554	399	10.1	12.9	7.8	208	130	78	2.5	3.5	1.7
2013	955	571	384	9.9	13.2	7.3	204	125	79	2.3	3.0	1.6
2014	1,043	615	428	10.0	12.7	7.7	212	130	82	2.3	3.2	1.7
2015	1,091	656	435	9.9	13.1	7.3	208	131	77	2.0	2.7	1.4

(Table Continues)

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Excludes cases reported by the Department of Veterans Affairs.

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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	2,956	1,613	1,343	16.7	21.5	13.2	638	333	305	3.6	4.7	2.9
1989	2,924	1,566	1,358	16.3	20.2	13.3	592	308	284	3.4	4.3	2.7
1990	2,855	1,515	1,340	15.6	19.5	12.8	627	333	294	3.5	4.4	2.8
1991	2,915	1,617	1,298	15.9	20.5	12.4	615	331	284	3.3	4.3	2.6
1992	2,832	1,518	1,314	15.3	19.1	12.4	577	310	267	3.1	4.1	2.5
1993	2,757	1,445	1,312	14.8	18.1	12.5	618	326	292	3.3	4.2	2.8
1994	2,654	1,493	1,161	14.1	18.4	10.8	658	341	317	3.5	4.4	2.9
1995	2,613	1,438	1,175	13.9	17.6	11.0	603	361	242	3.2	4.5	2.2
1996	2,669	1,465	1,204	14.1	17.7	11.2	613	355	258	3.2	4.4	2.3
1997	2,767	1,494	1,273	14.5	17.9	11.9	583	325	258	3.0	4.0	2.3
1998	2,891	1,574	1,317	14.9	18.4	12.1	558	282	276	2.9	3.3	2.4
1999	2,809	1,533	1,276	14.4	17.6	11.7	611	323	288	3.1	3.8	2.5
2000	2,796	1,550	1,246	14.2	17.7	11.3	555	321	234	2.8	3.7	2.0
2001	2,673	1,515	1,158	13.4	17.1	10.4	579	307	272	2.9	3.5	2.3
2002	2,609	1,456	1,153	13.0	16.2	10.4	590	329	261	2.9	3.7	2.2
2003	2,652	1,421	1,231	13.1	15.6	11.0	561	299	262	2.7	3.3	2.2
2004	2,471	1,361	1,110	12.1	14.8	9.8	589	335	254	2.9	3.7	2.2
2005	2,509	1,429	1,080	12.3	15.4	9.8	579	301	278	2.8	3.3	2.3
2006	2,466	1,398	1,068	12.1	15.0	9.6	565	308	257	2.7	3.4	2.1
2007	2,558	1,419	1,139	12.5	15.0	10.3	593	315	278	2.8	3.4	2.3
2008	2,534	1,378	1,156	12.2	14.4	10.4	560	301	259	2.6	3.2	2.2
2009	2,474	1,420	1,054	11.9	14.7	9.5	600	326	274	2.8	3.5	2.3
2010	2,414	1,341	1,073	11.4	13.5	9.6	610	329	281	2.8	3.4	2.3
2011	2,263	1,280	983	10.9	13.0	9.0	574	313	261	2.6	3.1	2.2
2012	2,290	1,282	1,008	10.7	12.6	9.0	624	348	276	2.8	3.5	2.3
2013	2,260	1,263	997	10.4	12.3	8.7	632	334	298	2.8	3.2	2.3
2014	2,304	1,319	985	10.7	12.8	8.8	618	352	266	2.7	3.4	2.2
2015	2,197	1,272	925	10.1	12.2	8.2	624	339	285	2.7	3.2	2.2

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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, Rectum and Rectosigmoid 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	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	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	0.0	0.0	0.0
15 - 19	5	4	1	0.0	0.1	0.0	2	1	1	0.0	0.0	0.0
20 - 24	47	26	21	0.3	0.3	0.3	11	7	4	0.1	0.1	0.1
25 - 29	110	63	47	0.8	0.9	0.7	15	13	2	0.1	0.2	0.0
30 - 34	245	127	118	1.8	1.8	1.7	44	29	15	0.3	0.4	0.2
35 - 39	450	247	203	3.5	3.8	3.2	54	28	26	0.4	0.4	0.4
40 - 44	814	451	363	6.2	6.9	5.5	142	81	61	1.1	1.2	0.9
45 - 49	1,540	857	683	11.8	13.1	10.5	255	164	91	2.0	2.5	1.4
50 - 54	2,910	1,670	1,240	22.1	25.6	18.6	412	238	174	3.1	3.7	2.6
55 - 59	2,842	1,701	1,141	23.7	29.0	18.5	576	352	224	4.8	6.0	3.6
60 - 64	2,864	1,741	1,123	28.4	36.0	21.3	634	402	232	6.3	8.3	4.4
65 - 69	2,754	1,662	1,092	35.0	44.9	26.2	589	372	217	7.5	10.1	5.2
70 - 74	2,058	1,205	853	36.9	47.2	28.2	540	329	211	9.7	12.9	7.0
75 - 79	1,791	999	792	43.6	54.9	34.5	542	292	250	13.2	16.1	10.9
80 - 84	1,476	832	644	47.7	64.1	35.8	514	287	227	16.6	22.1	12.6
85 +	1,559	689	870	46.7	57.8	40.5	876	351	525	26.2	29.4	24.5
Total/Crude	21,465	12,274	9,191	10.6	13.0	8.5	5,206	2,946	2,260	2.7	3.1	2.3
ASIAN/PACIFIC ISLANDER												
00 - 04	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	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	0.0	0.0	0.0
15 - 19	2	2	0	0.1	0.2	0.0	0	0	0	0.0	0.0	0.0
20 - 24	5	3	2	0.3	0.3	0.2	3	3	0	0.2	0.3	0.0
25 - 29	15	12	3	0.7	1.1	0.3	1	1	0	0.1	0.1	0.0
30 - 34	45	21	24	2.0	2.0	2.1	8	5	3	0.4	0.5	0.3
35 - 39	77	40	37	3.6	4.0	3.2	12	7	5	0.6	0.7	0.4
40 - 44	143	80	63	6.5	7.9	5.3	25	14	11	1.1	1.4	0.9
45 - 49	244	128	116	12.0	13.5	10.6	46	29	17	2.3	3.1	1.6
50 - 54	468	260	208	23.6	28.4	19.4	55	30	25	2.8	3.3	2.3
55 - 59	449	275	174	24.4	33.0	17.3	86	54	32	4.7	6.5	3.2
60 - 64	488	300	188	31.0	42.5	21.7	101	58	43	6.4	8.2	5.0
65 - 69	455	276	179	38.7	52.5	27.5	71	50	21	6.0	9.5	3.2
70 - 74	313	187	126	37.1	49.9	26.8	64	33	31	7.6	8.8	6.6
75 - 79	276	163	113	43.1	59.4	30.9	72	40	32	11.2	14.6	8.8
80 - 84	244	136	108	53.3	73.4	39.7	69	35	34	15.1	18.9	12.5
85 +	230	111	119	52.0	67.7	42.7	101	36	65	22.8	22.0	23.3
Total/Crude	3,454	1,994	1,460	11.2	14.6	8.5	714	395	319	2.5	3.0	2.2

(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. 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, Rectum and Rectosigmoid 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	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	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	0.0	0.0	0.0
15 - 19	0	0	0	0.0	0.0	0.0	1	0	1	0.1	0.0	0.2
20 - 24	1	1	0	0.1	0.2	0.0	0	0	0	0.0	0.0	0.0
25 - 29	7	3	4	0.8	0.6	0.9	0	0	0	0.0	0.0	0.0
30 - 34	15	9	6	1.8	2.2	1.5	4	3	1	0.5	0.7	0.3
35 - 39	19	11	8	2.6	3.0	2.2	4	4	0	0.5	1.1	0.0
40 - 44	39	19	20	5.0	4.8	5.1	11	7	4	1.4	1.8	1.0
45 - 49	85	51	34	10.0	12.1	8.0	23	18	5	2.7	4.3	1.2
50 - 54	183	88	95	20.6	20.0	21.1	35	21	14	3.9	4.8	3.1
55 - 59	202	120	82	26.0	31.8	20.6	43	23	20	5.5	6.1	5.0
60 - 64	180	107	73	29.7	37.7	22.6	46	28	18	7.6	9.9	5.6
65 - 69	159	84	75	36.4	42.8	31.2	48	29	19	11.0	14.8	7.9
70 - 74	119	55	64	37.7	40.2	35.9	33	20	13	10.5	14.6	7.3
75 - 79	97	52	45	41.7	52.3	33.8	41	19	22	17.6	19.1	16.5
80 - 84	82	45	37	55.0	77.7	40.6	27	12	15	18.1	20.7	16.5
85 +	54	21	33	37.1	45.2	33.3	32	17	15	22.0	36.6	15.1
Total/Crude	1,242	666	576	10.4	12.2	8.9	348	201	147	2.9	3.4	2.4
HISPANIC												
00 - 04	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	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	0.0	0.0	0.0
15 - 19	2	1	1	0.0	0.0	0.0	1	1	0	0.0	0.0	0.0
20 - 24	12	5	7	0.2	0.1	0.2	3	3	0	0.1	0.1	0.0
25 - 29	48	27	21	0.8	0.9	0.7	9	8	1	0.2	0.3	0.0
30 - 34	77	39	38	1.3	1.3	1.4	19	12	7	0.3	0.4	0.3
35 - 39	158	90	68	2.9	3.3	2.6	16	6	10	0.3	0.2	0.4
40 - 44	278	154	124	5.4	5.9	4.8	47	28	19	0.9	1.1	0.7
45 - 49	435	264	171	9.4	11.2	7.5	77	55	22	1.7	2.3	1.0
50 - 54	764	454	310	19.4	23.2	15.7	103	64	39	2.6	3.3	2.0
55 - 59	764	446	318	24.6	29.5	19.9	143	92	51	4.6	6.1	3.2
60 - 64	664	409	255	29.3	38.2	21.4	138	93	45	6.1	8.7	3.8
65 - 69	600	368	232	38.0	51.0	27.1	105	67	38	6.7	9.3	4.4
70 - 74	396	249	147	36.6	52.9	24.1	103	70	33	9.5	14.9	5.4
75 - 79	310	173	137	39.8	52.9	30.3	76	39	37	9.8	11.9	8.2
80 - 84	252	148	104	45.6	66.5	31.5	77	46	31	13.9	20.7	9.4
85 +	218	109	109	43.4	59.2	34.3	114	53	61	22.7	28.8	19.2
Total/Crude	4,978	2,936	2,042	10.1	13.0	7.7	1,031	637	394	1.4	1.7	1.1

(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.

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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, Rectum and Rectosigmoid 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	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
05 - 09	0	0	0	0.0	0.0	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	0.0	0.0	0.0
15 - 19	1	1	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0
20 - 24	25	16	9	0.5	0.6	0.4	5	1	4	0.1	0.0	0.2
25 - 29	34	19	15	0.7	0.7	0.6	5	4	1	0.1	0.2	0.0
30 - 34	98	53	45	2.0	2.1	1.9	13	9	4	0.3	0.4	0.2
35 - 39	186	103	83	4.2	4.5	3.9	21	11	10	0.5	0.5	0.5
40 - 44	342	192	150	7.0	7.7	6.3	54	29	25	1.1	1.2	1.1
45 - 49	746	394	352	13.7	14.2	13.1	109	62	47	2.0	2.2	1.8
50 - 54	1,375	800	575	21.9	25.2	18.5	218	123	95	3.5	3.9	3.1
55 - 59	1,337	816	521	21.5	26.3	16.7	297	179	118	4.8	5.8	3.8
60 - 64	1,479	891	588	26.4	32.5	20.6	341	216	125	6.1	7.9	4.4
65 - 69	1,483	902	581	32.1	40.4	24.3	362	225	137	7.8	10.1	5.7
70 - 74	1,191	689	502	36.0	44.3	28.7	335	202	133	10.1	13.0	7.6
75 - 79	1,089	604	485	44.6	54.5	36.4	350	191	159	14.3	17.2	11.9
80 - 84	882	496	386	45.9	60.0	35.2	336	192	144	17.5	23.2	13.1
85 +	1,046	440	606	46.7	55.4	42.0	626	242	384	28.0	30.5	26.6
Total/Crude	11,314	6,416	4,898	10.6	12.6	8.8	3,072	1,686	1,386	4.0	4.4	3.6

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.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2015, Invasive Rectum and Rectosigmoid Cancer

Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
BOTH SEXES COMBINED, ALL RACES										
1994	1,061	4.1	813	3.1	721	2.8	534	2.0	420	1.6
1995	1,007	3.8	789	3.0	712	2.7	527	2.0	456	1.7
1996	1,044	3.9	825	3.1	741	2.7	511	1.9	485	1.8
1997	1,119	4.1	800	2.9	770	2.8	500	1.8	530	1.9
1998	1,242	4.4	855	3.0	821	2.9	602	2.1	430	1.5
1999	1,221	4.2	842	2.9	828	2.8	559	1.9	503	1.7
2000	1,242	4.2	843	2.9	843	2.8	551	1.8	471	1.6
2001	1,142	3.8	812	2.7	886	2.9	534	1.8	519	1.7
2002	1,095	3.5	802	2.6	842	2.7	611	2.0	526	1.7
2003	1,148	3.6	803	2.6	835	2.6	606	1.9	551	1.7
2004	989	3.1	704	2.2	832	2.5	637	2.0	614	1.9
2005	973	3.0	772	2.3	879	2.6	648	2.0	594	1.8
2006	974	2.9	757	2.3	868	2.5	672	2.0	631	1.8
2007	1,041	3.1	788	2.3	935	2.7	675	1.9	668	1.9
2008	1,046	3.0	731	2.1	929	2.6	654	1.8	740	2.1
2009	1,000	2.8	733	2.1	934	2.5	715	2.0	764	2.1
2010	1,160	3.1	787	2.1	979	2.6	694	1.9	518	1.4
2011	1,107	2.9	734	1.9	1,026	2.7	703	1.8	466	1.2
2012	1,147	2.9	747	1.9	1,076	2.7	689	1.7	450	1.1
2013	1,068	2.6	750	1.9	1,026	2.5	795	2.0	470	1.2
2014	1,074	2.6	772	1.9	1,179	2.8	769	1.9	484	1.1
2015	1,073	2.5	712	1.7	1,165	2.8	757	1.8	494	1.1
BOTH SEXES COMBINED, ASIAN/PACIFIC ISLANDER										
1994	86	4.0	72	3.1	82	3.3	57	2.6	54	2.4
1995	90	3.7	49	2.1	83	3.2	54	2.4	53	2.3
1996	103	3.9	71	2.9	81	3.2	43	1.6	56	2.1
1997	97	3.6	66	2.5	100	3.6	45	1.5	72	2.6
1998	114	3.9	72	2.5	82	2.6	57	1.8	58	2.0
1999	124	4.0	100	3.3	96	3.1	49	1.5	56	1.9
2000	125	3.8	92	2.9	110	3.3	69	1.9	67	2.0
2001	115	3.3	109	3.2	125	3.6	65	1.8	66	2.0
2002	117	3.3	94	2.5	139	3.7	70	2.0	82	2.3
2003	143	3.8	94	2.5	98	2.4	72	1.9	78	2.0
2004	108	2.8	94	2.4	118	2.8	95	2.3	84	2.0
2005	110	2.7	108	2.5	135	3.2	72	1.6	98	2.3
2006	129	3.0	118	2.7	158	3.4	87	1.9	106	2.3
2007	148	3.2	107	2.3	132	2.8	96	2.0	134	2.8
2008	121	2.5	102	2.2	139	2.8	93	1.9	122	2.4
2009	137	2.7	95	1.9	159	3.1	90	1.7	137	2.6
2010	181	3.4	124	2.4	141	2.7	108	2.0	92	1.7
2011	180	3.2	128	2.3	172	3.0	96	1.7	87	1.6
2012	205	3.4	124	2.1	153	2.6	84	1.5	85	1.5
2013	187	3.0	115	1.9	165	2.6	116	1.9	67	1.1
2014	186	2.9	108	1.8	197	3.0	120	1.8	94	1.4
2015	174	2.5	103	1.5	180	2.7	115	1.8	96	1.4

(Table Continues)

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Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1994-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, Third Edition as modified by SEER. For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs.

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Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2015, Invasive Rectum and Rectosigmoid Cancer (continued)

Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
BOTH SEXES COMBINED, NON-HISPANIC BLACK										
1994	47	3.3	45	3.0	33	2.3	31	2.0	46	3.1
1995	53	3.7	42	2.7	44	3.1	27	1.8	49	3.3
1996	50	3.4	43	3.0	32	2.0	30	2.1	48	3.1
1997	37	2.4	48	3.1	50	3.1	32	2.0	50	3.0
1998	59	3.7	41	2.6	44	2.7	36	2.2	39	2.6
1999	39	2.4	49	3.0	43	2.6	38	2.2	57	3.4
2000	47	2.8	41	2.6	44	2.6	35	2.0	32	1.7
2001	45	2.6	35	2.0	45	2.6	34	1.9	46	2.7
2002	47	2.7	41	2.5	46	2.6	31	1.7	49	2.6
2003	58	3.3	41	2.3	39	2.0	40	2.0	56	3.1
2004	49	2.7	51	2.9	51	2.8	46	2.4	50	2.7
2005	43	2.3	27	1.4	50	2.7	47	2.4	53	2.8
2006	49	2.5	34	1.7	42	2.1	42	2.0	59	2.9
2007	48	2.5	43	2.4	56	2.7	47	2.3	56	2.7
2008	57	2.8	32	1.7	47	2.1	36	1.7	69	3.2
2009	45	2.1	42	2.0	51	2.4	52	2.4	79	3.5
2010	57	2.5	43	2.0	55	2.5	54	2.4	51	2.2
2011	73	3.2	39	1.7	43	2.0	34	1.5	45	2.1
2012	70	3.0	35	1.4	49	2.0	45	1.9	37	1.7
2013	82	3.3	34	1.5	53	2.3	53	2.0	36	1.6
2014	62	2.4	34	1.4	64	2.7	45	1.8	29	1.1
2015	69	2.8	36	1.5	60	2.3	40	1.6	33	1.3
BOTH SEXES COMBINED, HISPANIC										
1994	100	2.9	88	2.6	80	2.3	65	1.9	47	1.3
1995	95	2.6	93	2.7	89	2.3	54	1.5	53	1.4
1996	92	2.6	110	2.8	86	2.2	68	1.8	77	1.8
1997	104	2.7	105	2.6	94	2.2	56	1.4	56	1.4
1998	130	3.1	112	2.9	129	2.9	74	1.7	56	1.3
1999	134	3.2	106	2.4	110	2.4	98	2.1	76	1.8
2000	149	3.3	114	2.6	120	2.4	82	1.6	66	1.4
2001	139	2.8	116	2.3	134	2.4	104	2.0	71	1.4
2002	158	3.0	110	2.2	133	2.4	110	2.0	89	1.6
2003	141	2.7	131	2.4	141	2.3	98	1.6	103	1.8
2004	146	2.7	123	2.2	143	2.2	93	1.5	138	2.4
2005	143	2.4	137	2.2	160	2.4	122	1.9	139	2.0
2006	152	2.5	129	2.0	139	2.0	136	2.0	128	2.0
2007	143	2.1	139	2.2	177	2.3	127	1.7	165	2.2
2008	192	2.7	129	1.9	193	2.6	125	1.6	159	2.0
2009	172	2.3	146	1.9	172	2.1	151	1.8	170	2.1
2010	216	2.6	176	2.1	209	2.5	141	1.6	108	1.4
2011	229	2.7	155	1.8	229	2.5	177	1.9	112	1.3
2012	242	2.6	170	1.8	234	2.4	180	1.9	93	1.0
2013	218	2.2	179	2.0	222	2.2	190	1.9	122	1.3
2014	221	2.1	188	1.8	287	2.8	198	1.8	123	1.2
2015	274	2.5	193	1.8	283	2.6	179	1.6	131	1.2

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Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2015, Invasive Rectum and Rectosigmoid Cancer (continued)

Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
BOTH SEXES COMBINED, NON-HISPANIC WHITE										
1994	820	4.3	600	3.2	525	2.8	379	2.0	261	1.4
1995	764	4.1	600	3.2	493	2.6	390	2.1	292	1.5
1996	788	4.1	598	3.1	539	2.9	369	2.0	292	1.5
1997	870	4.5	579	3.0	523	2.8	365	1.9	340	1.8
1998	926	4.8	626	3.2	562	2.9	432	2.2	264	1.4
1999	911	4.6	586	3.0	571	2.9	372	1.9	292	1.5
2000	912	4.6	592	3.0	566	2.9	358	1.8	291	1.4
2001	836	4.2	547	2.7	574	2.9	326	1.6	322	1.6
2002	766	3.8	549	2.7	519	2.6	398	2.0	293	1.5
2003	795	3.9	534	2.6	553	2.8	394	2.0	286	1.4
2004	673	3.3	436	2.1	512	2.5	401	2.0	320	1.6
2005	664	3.3	497	2.4	530	2.7	405	2.0	287	1.4
2006	627	3.0	474	2.3	524	2.6	402	2.0	313	1.5
2007	690	3.3	490	2.4	566	2.8	403	2.0	283	1.4
2008	661	3.2	461	2.2	544	2.7	391	1.9	349	1.7
2009	631	3.0	442	2.2	549	2.7	412	2.0	346	1.6
2010	681	3.2	430	2.0	571	2.7	385	1.8	224	1.0
2011	601	2.8	403	1.9	576	2.9	390	1.9	194	0.9
2012	604	2.8	412	1.9	626	3.0	375	1.8	196	0.9
2013	554	2.5	415	1.9	574	2.7	429	2.0	212	0.9
2014	579	2.6	434	2.0	616	3.0	399	1.9	197	0.9
2015	530	2.4	373	1.7	627	3.0	413	1.9	191	0.8

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1994-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, Third Edition as modified by SEER. For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs.

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Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
MALE, ALL RACES										
1994	585	5.2	474	4.2	409	3.5	323	2.8	216	2.0
1995	555	4.8	436	3.8	401	3.4	305	2.6	240	2.2
1996	563	4.8	459	3.9	422	3.5	308	2.6	261	2.2
1997	625	5.2	419	3.5	417	3.4	293	2.4	293	2.5
1998	691	5.7	460	3.7	470	3.7	360	2.8	217	1.8
1999	664	5.2	463	3.6	472	3.6	313	2.4	246	2.0
2000	682	5.3	465	3.6	477	3.6	321	2.4	255	2.0
2001	643	4.9	477	3.5	502	3.6	320	2.3	259	1.9
2002	622	4.5	435	3.2	474	3.4	361	2.5	267	1.9
2003	627	4.5	444	3.2	469	3.2	337	2.3	280	2.0
2004	531	3.7	389	2.8	461	3.1	377	2.5	322	2.2
2005	554	3.8	462	3.1	502	3.3	409	2.7	300	1.9
2006	568	3.8	435	2.9	475	3.0	372	2.4	352	2.2
2007	586	3.9	437	2.9	534	3.3	390	2.4	345	2.2
2008	576	3.6	421	2.7	523	3.2	385	2.3	387	2.4
2009	581	3.5	414	2.5	561	3.3	414	2.4	386	2.3
2010	615	3.6	430	2.5	539	3.1	435	2.5	276	1.6
2011	607	3.5	406	2.3	587	3.3	446	2.5	244	1.4
2012	598	3.2	445	2.4	612	3.3	397	2.2	230	1.3
2013	579	3.1	432	2.3	622	3.3	487	2.6	232	1.3
2014	594	3.1	446	2.3	718	3.7	458	2.3	265	1.4
2015	616	3.0	435	2.2	684	3.5	438	2.2	280	1.4
MALE, ASIAN/PACIFIC ISLANDER										
1994	47	4.6	43	4.1	47	4.1	34	3.2	25	2.4
1995	53	5.0	33	3.1	43	3.7	26	2.4	27	2.4
1996	57	4.9	44	4.0	48	4.1	28	2.4	38	3.2
1997	60	5.1	41	3.7	60	4.9	29	2.3	45	3.8
1998	60	4.9	36	2.7	55	3.8	37	2.7	30	2.3
1999	64	4.7	57	4.1	64	4.9	29	2.1	30	2.3
2000	67	4.7	50	3.6	59	4.1	40	2.6	40	2.7
2001	65	4.4	69	4.4	59	3.8	41	2.5	31	1.9
2002	67	4.2	51	3.0	74	4.3	40	2.4	51	3.1
2003	82	5.0	53	3.1	51	2.8	43	2.7	44	2.5
2004	64	3.7	52	3.2	64	3.5	53	3.1	46	2.5
2005	56	3.1	65	3.4	68	3.6	49	2.4	45	2.4
2006	79	4.2	64	3.3	82	3.9	58	2.9	63	3.0
2007	93	4.7	60	3.0	77	3.6	51	2.5	68	3.2
2008	76	3.6	60	2.9	78	3.5	55	2.5	57	2.4
2009	71	3.2	51	2.3	96	4.2	56	2.4	68	2.9
2010	85	3.6	73	3.2	66	2.8	67	2.8	59	2.4
2011	93	3.8	74	3.2	101	4.0	59	2.3	46	2.0
2012	109	4.1	72	2.8	88	3.3	48	1.9	43	1.7
2013	109	4.0	63	2.3	103	3.7	71	2.6	42	1.6
2014	111	3.9	65	2.4	113	3.8	70	2.4	56	2.0
2015	95	3.0	72	2.4	99	3.3	64	2.2	52	1.7

(Table Continues)

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1994-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, Third Edition as modified by SEER. For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs.

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Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2015, Invasive Rectum and Rectosigmoid Cancer (continued)

Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
MALE, NON-HISPANIC BLACK										
1994	21	3.9	24	3.3	14	-	18	2.7	22	3.5
1995	26	4.2	19	2.7	25	4.1	21	3.1	33	5.2
1996	25	4.2	21	3.3	19	3.1	18	2.9	24	3.4
1997	21	3.2	23	3.3	27	3.6	18	2.5	22	2.8
1998	36	5.4	26	3.8	22	3.2	26	3.5	18	2.8
1999	22	3.0	25	3.5	16	2.7	24	3.0	31	4.4
2000	23	3.5	22	3.3	24	3.1	20	2.4	13	-
2001	21	2.8	19	2.4	21	2.5	15	1.7	20	2.6
2002	28	3.6	15	2.0	20	2.5	19	2.5	22	2.7
2003	28	3.5	21	2.5	24	2.8	25	3.0	20	2.7
2004	23	3.1	28	3.8	34	4.4	27	3.0	22	3.0
2005	22	2.8	17	1.7	26	2.9	26	2.6	25	2.9
2006	25	2.8	24	2.8	23	2.5	24	2.5	27	2.9
2007	23	2.7	22	2.8	33	3.4	27	3.0	29	3.3
2008	35	3.9	18	1.9	30	3.4	22	2.3	35	3.4
2009	23	2.7	19	2.0	25	2.7	29	3.1	33	3.5
2010	27	2.8	18	2.1	33	3.3	35	3.1	25	2.4
2011	33	3.0	24	2.3	25	2.6	25	2.5	23	2.3
2012	28	2.7	20	1.9	24	2.1	24	2.3	12	-
2013	36	3.2	21	2.1	28	2.7	34	2.7	18	1.7
2014	29	2.4	26	2.4	36	3.5	28	2.6	17	1.4
2015	33	2.9	15	1.2	40	3.4	25	2.0	19	1.6
MALE, HISPANIC										
1994	57	3.9	61	4.3	53	3.5	43	2.9	23	1.5
1995	53	3.3	56	4.1	49	2.9	40	2.5	28	1.6
1996	49	3.2	61	3.3	55	3.2	50	3.2	45	2.4
1997	54	3.1	60	3.5	52	2.8	32	1.9	32	1.9
1998	81	4.8	70	4.3	70	3.6	46	2.4	32	1.6
1999	74	4.2	59	3.1	59	2.7	56	2.8	40	2.2
2000	80	4.3	65	3.6	83	3.9	47	2.2	37	1.7
2001	80	3.7	70	3.1	93	3.8	67	3.2	29	1.2
2002	87	3.6	67	3.0	77	3.3	64	2.5	40	1.7
2003	80	3.3	78	3.2	91	3.3	62	2.0	62	2.4
2004	79	3.6	69	2.6	73	2.5	58	2.1	75	3.2
2005	92	3.6	89	3.3	103	3.5	84	2.8	75	2.2
2006	86	3.3	78	2.9	73	2.4	77	2.5	79	2.7
2007	89	3.1	76	2.8	104	3.1	74	2.2	83	2.5
2008	118	3.6	75	2.4	114	3.4	82	2.3	93	2.6
2009	104	3.2	83	2.3	121	3.4	94	2.5	84	2.4
2010	121	3.5	101	2.8	122	3.2	93	2.3	56	1.8
2011	121	3.2	85	2.2	136	3.2	122	2.8	60	1.5
2012	131	3.1	99	2.3	134	3.1	117	2.7	51	1.2
2013	136	3.1	101	2.4	141	3.2	128	2.9	56	1.2
2014	119	2.5	107	2.3	181	3.7	123	2.5	72	1.5
2015	164	3.3	122	2.6	163	3.2	113	2.1	82	1.8

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Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1994-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, Third Edition as modified by SEER. For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases are not shown. Excludes cases reported by the Department of Veterans Affairs.

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Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2015, Invasive Rectum and Rectosigmoid Cancer (continued)

Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
MALE, NON-HISPANIC WHITE										
1994	458	5.6	342	4.2	295	3.5	227	2.8	140	1.9
1995	422	5.1	324	4.0	282	3.4	216	2.6	148	1.9
1996	427	5.1	331	4.0	298	3.6	212	2.5	148	1.9
1997	484	5.7	293	3.5	276	3.3	213	2.5	186	2.3
1998	505	6.0	325	3.8	320	3.7	248	2.9	132	1.6
1999	495	5.7	321	3.7	328	3.7	204	2.3	136	1.6
2000	511	5.8	326	3.7	310	3.5	211	2.4	155	1.8
2001	471	5.4	315	3.5	322	3.6	193	2.2	170	2.0
2002	435	4.8	300	3.3	300	3.3	236	2.6	146	1.6
2003	434	4.8	290	3.2	301	3.3	205	2.3	138	1.5
2004	358	3.9	240	2.7	286	3.0	239	2.6	169	1.9
2005	377	4.0	289	3.1	304	3.3	248	2.7	142	1.5
2006	367	4.0	268	2.9	295	3.1	211	2.2	172	1.8
2007	377	4.0	274	2.9	317	3.4	237	2.5	149	1.6
2008	340	3.5	267	2.8	298	3.1	220	2.3	183	2.0
2009	375	3.8	256	2.7	316	3.3	229	2.4	185	1.9
2010	371	3.7	236	2.4	316	3.2	238	2.4	113	1.1
2011	349	3.5	218	2.2	322	3.3	236	2.4	102	1.0
2012	316	3.1	253	2.4	360	3.5	203	2.0	100	1.0
2013	283	2.7	240	2.3	344	3.4	250	2.4	98	1.0
2014	323	3.1	244	2.3	379	3.8	234	2.3	98	1.0
2015	306	2.9	222	2.1	374	3.7	232	2.2	107	1.0

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Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2015, Invasive Rectum and Rectosigmoid Cancer

Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
FEMALE, ALL RACES										
1994	476	3.2	339	2.3	312	2.1	211	1.4	204	1.4
1995	452	3.0	353	2.3	311	2.1	222	1.5	216	1.4
1996	481	3.2	366	2.4	319	2.1	203	1.3	224	1.5
1997	494	3.2	381	2.4	353	2.3	207	1.3	237	1.5
1998	551	3.5	395	2.5	351	2.2	242	1.5	213	1.3
1999	557	3.5	379	2.3	356	2.2	246	1.5	257	1.6
2000	560	3.4	378	2.3	366	2.2	230	1.4	216	1.3
2001	499	3.0	335	2.0	384	2.3	214	1.3	260	1.5
2002	473	2.7	367	2.1	368	2.2	250	1.4	259	1.5
2003	521	3.0	359	2.0	366	2.1	269	1.5	271	1.5
2004	458	2.6	315	1.7	371	2.1	260	1.5	292	1.6
2005	419	2.3	310	1.7	377	2.1	239	1.3	294	1.6
2006	406	2.2	322	1.7	393	2.1	300	1.6	279	1.5
2007	455	2.4	351	1.8	401	2.2	285	1.5	323	1.7
2008	470	2.5	310	1.6	406	2.1	269	1.4	353	1.8
2009	419	2.1	319	1.7	373	1.9	301	1.5	378	1.9
2010	545	2.7	357	1.8	440	2.2	259	1.3	242	1.2
2011	500	2.4	328	1.6	439	2.2	257	1.3	222	1.0
2012	549	2.6	302	1.4	464	2.3	292	1.4	220	1.0
2013	489	2.3	318	1.5	404	1.9	308	1.5	238	1.1
2014	480	2.1	326	1.5	461	2.1	311	1.4	219	1.0
2015	457	2.0	277	1.2	481	2.2	319	1.4	214	0.9
FEMALE, ASIAN/PACIFIC ISLANDER										
1994	39	3.5	29	2.4	35	2.6	23	2.1	29	2.4
1995	37	2.7	16	1.3	40	2.7	28	2.4	26	2.2
1996	46	3.1	27	2.0	33	2.4	15	1.0	18	1.2
1997	37	2.4	25	1.6	40	2.5	16	0.9	27	1.7
1998	54	3.3	36	2.3	27	1.6	20	1.1	28	1.7
1999	60	3.5	43	2.6	32	1.7	20	1.1	26	1.5
2000	58	3.1	42	2.4	51	2.7	29	1.4	27	1.5
2001	50	2.5	40	2.2	66	3.4	24	1.3	35	1.9
2002	50	2.6	43	2.1	65	3.2	30	1.6	31	1.6
2003	61	2.8	41	1.9	47	2.1	29	1.3	34	1.5
2004	44	2.0	42	1.9	54	2.4	42	1.8	38	1.6
2005	54	2.3	43	1.8	67	2.9	23	1.0	53	2.3
2006	50	2.1	54	2.2	76	3.0	29	1.2	43	1.6
2007	55	2.1	47	1.7	55	2.1	45	1.7	66	2.5
2008	45	1.7	42	1.6	61	2.2	38	1.4	65	2.3
2009	66	2.4	44	1.6	63	2.2	34	1.2	69	2.4
2010	96	3.3	51	1.7	75	2.6	41	1.4	33	1.1
2011	87	2.7	54	1.8	71	2.3	37	1.2	41	1.3
2012	96	2.9	52	1.6	65	2.0	36	1.1	42	1.3
2013	78	2.3	52	1.5	62	1.8	45	1.3	25	0.8
2014	75	2.1	43	1.3	84	2.3	50	1.4	38	1.0
2015	79	2.1	31	0.9	81	2.2	51	1.4	44	1.2

(Table Continues)

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Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
FEMALE, NON-HISPANIC BLACK										
1994	26	3.1	21	2.6	19	2.4	13	-	24	2.8
1995	27	3.3	23	2.7	19	2.3	6	-	16	1.9
1996	25	2.9	22	2.7	13	-	12	-	24	2.8
1997	16	1.8	25	2.9	23	2.6	14	-	28	3.1
1998	23	2.5	15	1.7	22	2.3	10	-	21	2.5
1999	17	1.9	24	2.7	27	2.8	14	-	26	2.8
2000	24	2.5	19	2.1	20	2.1	15	1.6	19	1.9
2001	24	2.4	16	1.7	24	2.5	19	2.0	26	2.7
2002	19	2.0	26	2.7	26	2.6	12	-	27	2.6
2003	30	3.0	20	2.0	15	1.4	15	1.4	36	3.6
2004	26	2.5	23	2.2	17	1.7	19	1.9	28	2.7
2005	21	2.0	10	-	24	2.4	21	2.0	28	2.7
2006	24	2.2	10	-	19	1.7	18	1.6	32	2.9
2007	25	2.3	21	2.0	23	2.1	20	1.8	27	2.4
2008	22	1.9	14	-	17	1.3	14	-	34	2.9
2009	22	1.8	23	2.0	26	2.2	23	1.9	46	3.6
2010	30	2.4	25	2.1	22	1.8	19	1.7	26	2.1
2011	40	3.3	15	1.2	18	1.5	9	-	22	1.9
2012	42	3.3	15	1.1	25	1.9	21	1.6	25	2.0
2013	46	3.5	13	-	25	2.1	19	1.4	18	1.4
2014	33	2.5	8	-	28	2.1	17	1.3	12	-
2015	36	2.7	21	1.7	20	1.5	15	1.1	14	-
FEMALE, HISPANIC										
1994	43	2.2	27	1.4	27	1.3	22	1.2	24	1.2
1995	42	2.1	37	1.8	40	1.9	14	-	25	1.3
1996	43	2.1	49	2.3	31	1.4	18	0.8	32	1.4
1997	50	2.4	45	1.9	42	1.8	24	1.0	24	1.1
1998	49	1.9	42	1.9	59	2.4	28	1.2	24	1.0
1999	60	2.5	47	1.9	51	2.0	42	1.6	36	1.5
2000	69	2.7	49	2.0	37	1.3	35	1.2	29	1.2
2001	59	2.1	46	1.6	41	1.3	37	1.2	42	1.5
2002	71	2.5	43	1.6	56	1.8	46	1.6	49	1.6
2003	61	2.1	53	1.8	50	1.5	36	1.2	41	1.3
2004	67	2.1	54	1.8	70	1.9	35	1.1	63	1.9
2005	51	1.5	48	1.4	57	1.6	38	1.1	64	1.8
2006	66	1.9	51	1.4	66	1.7	59	1.5	49	1.5
2007	54	1.4	63	1.7	73	1.8	53	1.3	82	2.0
2008	74	1.9	54	1.5	79	2.0	43	1.0	66	1.6
2009	68	1.6	63	1.6	51	1.2	57	1.2	86	2.0
2010	95	2.0	75	1.7	87	1.9	48	1.1	52	1.2
2011	108	2.4	70	1.5	93	1.8	55	1.2	52	1.2
2012	111	2.2	71	1.4	100	1.9	63	1.2	42	0.8
2013	82	1.5	78	1.6	81	1.5	62	1.1	66	1.3
2014	102	1.8	81	1.5	106	1.9	75	1.3	51	1.0
2015	110	1.8	71	1.2	120	2.1	66	1.1	49	0.8

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Year of Diagnosis	Stage at Diagnosis									
	Stage I		Stage II		Stage III		Stage IV		Unknown Stage	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
FEMALE, NON-HISPANIC WHITE										
1994	362	3.3	258	2.4	230	2.2	152	1.4	121	1.1
1995	342	3.2	276	2.5	211	2.0	174	1.6	144	1.3
1996	361	3.3	267	2.5	241	2.3	157	1.4	144	1.3
1997	386	3.6	286	2.6	247	2.4	152	1.4	154	1.4
1998	421	3.9	301	2.7	242	2.3	184	1.7	132	1.2
1999	416	3.8	265	2.4	243	2.3	168	1.6	156	1.4
2000	401	3.6	266	2.4	256	2.4	147	1.4	136	1.2
2001	365	3.3	232	2.0	252	2.3	133	1.2	152	1.4
2002	331	3.0	249	2.2	219	2.0	162	1.5	147	1.3
2003	361	3.2	244	2.2	252	2.3	189	1.7	148	1.3
2004	315	2.8	196	1.7	226	2.1	162	1.5	151	1.3
2005	287	2.6	208	1.9	226	2.1	157	1.4	145	1.2
2006	260	2.3	206	1.8	229	2.1	191	1.7	141	1.2
2007	313	2.8	216	1.9	249	2.4	166	1.5	134	1.2
2008	321	2.9	194	1.7	246	2.2	171	1.6	166	1.4
2009	256	2.3	186	1.7	233	2.2	183	1.7	161	1.4
2010	310	2.7	194	1.8	255	2.3	147	1.3	111	0.9
2011	252	2.3	185	1.7	254	2.5	154	1.4	92	0.8
2012	288	2.5	159	1.4	266	2.6	172	1.6	96	0.8
2013	271	2.3	175	1.5	230	2.1	179	1.7	114	0.9
2014	256	2.2	190	1.8	237	2.2	165	1.5	99	0.8
2015	224	2.0	151	1.3	253	2.4	181	1.6	84	0.7

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

Source: California Cancer Registry (January 2018).

Note: For cases diagnosed 1994-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, Third Edition as modified by SEER. For cases diagnosed 2004 and forward, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. Rates based on fewer than 15 cases 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.

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, Rectum and Rectosigmoid 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	1.31	0.00	0.00	0.01	0.99
25	0.01	0.07	0.24	1.33	0.01	0.06	0.19	1.00
35	0.05	0.23	0.52	1.33	0.04	0.18	0.36	1.00
45	0.18	0.47	0.81	1.30	0.14	0.32	0.55	0.96
55	0.30	0.66	0.99	1.17	0.19	0.42	0.66	0.85
65	0.40	0.75	-	0.95	0.24	0.49	-	0.70
Lifetime Risk of Being Diagnosed = 1.31%				Lifetime Risk of Being Diagnosed = 0.99%				
Lifetime Risk of Dying of Cancer = 0.39%				Lifetime Risk of Dying of Cancer = 0.31%				
ASIAN/PACIFIC ISLANDER								
0	0.00	0.00	0.01	1.77	0.00	0.00	0.00	1.20
25	0.02	0.07	0.27	1.79	0.01	0.05	0.19	1.21
35	0.06	0.26	0.60	1.79	0.04	0.18	0.37	1.21
45	0.20	0.55	0.98	1.75	0.14	0.33	0.56	1.17
55	0.36	0.80	1.23	1.59	0.19	0.43	0.70	1.05
65	0.46	0.92	-	1.31	0.25	0.53	-	0.89
Lifetime Risk of Being Diagnosed = 1.77%				Lifetime Risk of Being Diagnosed = 1.20%				
Lifetime Risk of Dying of Cancer = 0.43%				Lifetime Risk of Dying of Cancer = 0.38%				
NON-HISPANIC BLACK								
0	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.88
25	0.01	0.05	0.19	1.05	0.01	0.05	0.18	0.90
35	0.04	0.18	0.46	1.06	0.04	0.17	0.36	0.89
45	0.15	0.43	0.70	1.05	0.13	0.33	0.57	0.87
55	0.30	0.59	0.86	0.97	0.20	0.46	0.66	0.78
65	0.34	0.65	-	0.78	0.28	0.51	-	0.64
Lifetime Risk of Being Diagnosed = 1.01%				Lifetime Risk of Being Diagnosed = 0.88%				
Lifetime Risk of Dying of Cancer = 0.37%				Lifetime Risk of Dying of Cancer = 0.28%				
HISPANIC								
0	0.00	0.00	0.01	1.43	0.00	0.00	0.01	0.94
25	0.01	0.06	0.22	1.45	0.01	0.05	0.16	0.95
35	0.05	0.21	0.51	1.46	0.04	0.15	0.33	0.94
45	0.17	0.47	0.85	1.43	0.11	0.30	0.51	0.91
55	0.31	0.71	1.06	1.31	0.19	0.41	0.62	0.82
65	0.44	0.82	-	1.09	0.23	0.45	-	0.66
Lifetime Risk of Being Diagnosed = 1.43%				Lifetime Risk of Being Diagnosed = 0.94%				
Lifetime Risk of Dying of Cancer = 0.41%				Lifetime Risk of Dying of Cancer = 0.27%				
NON-HISPANIC WHITE								
0	0.00	0.00	0.01	1.21	0.00	0.00	0.01	0.98
25	0.02	0.08	0.25	1.23	0.01	0.07	0.21	0.99
35	0.06	0.24	0.50	1.23	0.05	0.20	0.37	0.98
45	0.18	0.44	0.76	1.19	0.15	0.32	0.54	0.94
55	0.27	0.60	0.90	1.05	0.18	0.40	0.64	0.81
65	0.36	0.70	-	0.87	0.24	0.49	-	0.67
Lifetime Risk of Being Diagnosed = 1.21%				Lifetime Risk of Being Diagnosed = 0.98%				
Lifetime Risk of Dying of Cancer = 0.38%				Lifetime Risk of Dying of Cancer = 0.32%				

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: Based on average annual age-specific cancer incidence and mortality rates in California, 2011-2015.
 Excludes cases reported by the Department of Veterans Affairs.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.