

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2014, 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	3,869	2,141	1,728	16.6	21.3	13.0	802	430	372	3.6	4.6	2.8
1989	3,810	2,081	1,729	15.9	20.1	12.9	764	400	364	3.3	4.2	2.7
1990	3,802	2,043	1,759	15.6	19.6	12.7	794	419	375	3.3	4.1	2.7
1991	3,927	2,225	1,702	15.8	20.7	12.2	798	437	361	3.3	4.3	2.6
1992	3,855	2,112	1,743	15.3	19.5	12.2	804	449	355	3.2	4.3	2.5
1993	3,792	2,054	1,738	14.8	18.5	12.1	860	448	412	3.4	4.3	2.8
1994	3,724	2,129	1,595	14.3	18.8	10.8	875	466	409	3.4	4.3	2.8
1995	3,694	2,096	1,598	13.9	18.1	10.7	832	493	339	3.2	4.4	2.2
1996	3,814	2,165	1,649	14.1	18.3	10.9	822	472	350	3.1	4.2	2.3
1997	3,938	2,197	1,741	14.3	18.2	11.3	795	450	345	2.9	3.9	2.2
1998	4,168	2,355	1,813	14.8	18.9	11.5	773	410	363	2.8	3.3	2.3
1999	4,170	2,326	1,844	14.4	18.1	11.4	825	448	377	2.9	3.6	2.3
2000	4,159	2,352	1,807	14.0	18.0	10.9	811	475	336	2.8	3.8	2.0
2001	4,105	2,367	1,738	13.5	17.5	10.3	813	437	376	2.7	3.4	2.2
2002	4,109	2,325	1,784	13.2	16.7	10.4	849	468	381	2.8	3.5	2.2
2003	4,175	2,330	1,845	13.2	16.4	10.5	845	468	377	2.7	3.4	2.1
2004	4,060	2,272	1,788	12.5	15.7	10.0	831	483	348	2.6	3.5	1.9
2005	4,170	2,436	1,734	12.6	16.1	9.6	882	474	408	2.7	3.3	2.2
2006	4,174	2,404	1,770	12.3	15.7	9.6	890	489	401	2.7	3.3	2.1
2007	4,397	2,477	1,920	12.7	15.8	10.2	911	504	407	2.7	3.3	2.1
2008	4,414	2,505	1,909	12.5	15.4	10.0	912	513	399	2.6	3.3	2.0
2009	4,409	2,555	1,854	12.1	15.3	9.4	941	535	406	2.6	3.4	2.0
2010	4,453	2,511	1,942	11.9	14.5	9.6	1,017	576	441	2.8	3.5	2.2
2011	4,308	2,473	1,835	11.2	13.9	9.0	983	544	439	2.6	3.2	2.1
2012	4,354	2,472	1,882	11.0	13.4	9.0	1,067	608	459	2.7	3.5	2.1
2013	4,323	2,510	1,813	10.7	13.3	8.4	1,032	583	449	2.6	3.2	2.0
2014	4,449	2,593	1,856	10.7	13.3	8.4	1,052	613	439	2.6	3.3	1.9
ASIAN/PACIFIC ISLANDER												
1988	242	146	96	15.3	21.1	10.7	40	24	16	2.8	3.7	2.0
1989	217	111	106	13.6	15.0	12.4	48	34	14	3.3	5.0	-
1990	251	135	116	14.2	17.8	11.2	36	23	13	2.2	3.1	-
1991	306	164	142	16.1	19.3	13.5	56	32	24	3.3	3.7	2.8
1992	333	190	143	16.4	21.3	12.5	70	48	22	3.6	5.4	2.2
1993	311	186	125	14.6	19.4	10.7	70	38	32	3.5	4.3	2.8
1994	364	204	160	16.0	19.4	13.2	67	35	32	2.9	3.2	2.6
1995	349	196	153	14.5	17.9	11.7	66	42	24	2.9	4.1	1.9
1996	365	223	142	14.0	19.2	9.9	65	34	31	2.7	3.0	2.4
1997	397	244	153	14.5	20.7	9.6	71	41	30	3.0	3.8	2.3
1998	407	233	174	13.6	17.4	10.5	60	37	23	2.1	2.7	1.5
1999	441	256	185	14.3	19.1	10.6	77	46	31	2.6	3.6	1.8
2000	476	267	209	14.4	18.5	11.3	81	52	29	2.7	3.9	1.7
2001	500	277	223	14.5	17.7	11.8	71	38	33	2.1	2.6	1.7
2002	519	293	226	14.2	17.6	11.4	90	51	39	2.7	3.4	2.1
2003	499	280	219	12.9	16.6	10.1	85	47	38	2.3	3.1	1.8
2004	523	294	229	12.9	16.7	10.1	72	48	24	1.9	2.9	1.1
2005	560	304	256	13.2	16.1	10.9	90	47	43	2.3	2.6	2.0
2006	622	362	260	13.9	18.3	10.4	98	57	41	2.3	3.0	1.7
2007	657	371	286	14.0	18.0	10.9	112	61	51	2.5	3.1	2.0
2008	613	342	271	12.5	15.7	10.0	121	71	50	2.6	3.6	1.9
2009	650	363	287	12.7	16.0	10.1	104	65	39	2.1	3.0	1.5
2010	680	370	310	12.8	15.6	10.6	137	84	53	2.7	3.6	1.9
2011	696	391	305	12.4	16.0	9.7	130	61	69	2.4	2.6	2.2
2012	676	378	298	11.5	14.5	9.1	167	90	77	2.9	3.5	2.4
2013	677	413	264	11.0	15.1	7.7	123	81	42	2.0	3.0	1.2
2014	732	431	301	11.3	15.0	8.4	141	83	58	2.2	2.9	1.6

(Table Continues)

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

Source: California Cancer Registry (November 2016) 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. 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, 1988-2014, 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	214	98	116	17.3	17.5	16.6	56	28	28	4.8	4.7	4.4
1989	194	96	98	15.3	17.8	13.5	51	19	32	4.4	4.0	4.7
1990	230	104	126	17.4	18.1	16.7	51	19	32	3.9	3.2	4.2
1991	234	145	89	17.3	25.4	11.7	49	23	26	3.7	4.0	3.5
1992	210	102	108	15.1	17.1	13.6	60	31	29	4.6	5.3	4.0
1993	220	115	105	15.5	18.1	13.2	77	32	45	5.7	5.7	5.8
1994	215	110	105	14.7	17.6	12.6	53	31	22	3.8	5.2	2.7
1995	232	138	94	15.7	21.3	11.3	61	33	28	4.2	5.0	3.5
1996	224	123	101	15.0	19.6	11.9	57	32	25	3.9	5.1	3.0
1997	237	127	110	14.8	17.6	12.4	55	34	21	3.5	4.6	2.5
1998	237	145	92	14.9	21.0	10.3	64	36	28	4.0	4.7	3.2
1999	241	129	112	14.6	18.3	12.1	41	26	15	2.7	4.3	1.7
2000	219	114	105	13.0	15.5	11.0	66	48	18	3.9	7.0	1.8
2001	224	108	116	12.9	13.6	11.9	58	28	30	3.7	4.1	3.3
2002	229	117	112	13.0	15.2	11.3	60	28	32	3.5	3.6	3.4
2003	249	129	120	13.5	15.8	11.8	72	38	34	4.1	4.6	3.5
2004	261	144	117	14.3	18.4	11.4	48	26	22	2.9	4.0	2.2
2005	256	143	113	13.4	15.8	11.0	67	33	34	3.6	3.8	3.4
2006	249	141	108	12.3	15.3	9.8	63	31	32	3.6	4.3	3.1
2007	270	149	121	13.6	16.8	11.2	56	37	19	3.0	4.7	1.9
2008	268	162	106	12.6	17.0	9.1	68	45	23	3.4	5.2	2.0
2009	293	146	147	13.6	15.9	12.1	61	37	24	2.9	4.0	2.0
2010	284	157	127	12.8	15.6	10.5	74	40	34	3.6	4.5	2.9
2011	255	150	105	11.3	14.5	8.6	67	41	26	3.0	4.3	2.1
2012	255	125	130	10.9	11.9	10.1	64	38	26	2.9	3.8	2.2
2013	275	149	126	11.5	13.7	9.7	70	40	30	3.1	4.0	2.4
2014	244	145	99	9.9	13.2	7.3	71	41	30	3.1	4.0	2.4
HISPANIC												
1988	343	189	154	12.3	15.0	10.1	64	41	23	2.5	3.6	1.7
1989	362	209	153	12.3	16.1	9.4	72	39	33	2.9	3.5	2.4
1990	365	213	152	11.8	15.3	9.1	78	43	35	2.8	3.3	2.4
1991	368	213	155	11.7	15.8	8.7	76	50	26	2.7	4.0	1.7
1992	385	224	161	12.1	16.7	8.9	92	57	35	3.0	4.1	2.2
1993	405	227	178	12.2	15.1	9.9	94	51	43	2.9	3.7	2.3
1994	397	251	146	11.5	16.9	7.5	95	58	37	3.0	4.3	2.1
1995	410	248	162	11.2	15.7	7.9	98	56	42	2.8	3.8	2.1
1996	457	281	176	11.8	16.7	8.1	86	51	35	2.4	3.3	1.8
1997	441	251	190	11.0	14.4	8.4	85	49	36	2.1	2.9	1.5
1998	528	322	206	12.4	17.7	8.6	90	54	36	2.3	3.1	1.7
1999	552	308	244	12.4	16.1	9.8	94	51	43	2.3	2.9	1.9
2000	554	331	223	11.9	16.6	8.5	102	51	51	2.2	2.6	2.0
2001	586	357	229	11.3	15.8	7.9	101	61	40	2.3	3.4	1.5
2002	630	359	271	11.9	15.2	9.3	104	56	48	2.1	2.5	1.8
2003	637	389	248	11.2	14.9	8.1	123	80	43	2.4	3.6	1.5
2004	690	387	303	11.9	15.3	9.4	115	70	45	2.1	3.0	1.5
2005	742	475	267	11.5	16.5	7.5	141	89	52	2.5	3.7	1.6
2006	713	413	300	10.9	14.4	8.2	160	89	71	2.7	3.5	2.1
2007	808	464	344	11.5	14.9	8.8	142	85	57	2.3	3.0	1.7
2008	838	511	327	11.3	15.3	8.2	157	93	64	2.3	3.0	1.8
2009	850	517	333	10.9	14.8	7.8	170	103	67	2.4	3.3	1.8
2010	901	528	373	10.9	14.6	8.1	188	120	68	2.5	3.8	1.6
2011	954	559	395	10.9	13.9	8.5	199	121	78	2.4	3.2	1.8
2012	970	569	401	10.2	13.2	7.8	208	130	78	2.5	3.5	1.7
2013	969	583	386	10.0	13.5	7.3	204	125	79	2.3	3.0	1.6
2014	1,047	620	427	10.0	12.8	7.7	212	130	82	2.3	3.2	1.7

(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, 1988-2014, 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 WHITE												
1988	3,034	1,685	1,349	17.1	22.3	13.3	638	333	305	3.6	4.7	2.9
1989	3,005	1,644	1,361	16.7	21.1	13.3	592	308	284	3.4	4.3	2.7
1990	2,915	1,571	1,344	15.9	20.2	12.9	627	333	294	3.5	4.4	2.8
1991	2,992	1,685	1,307	16.3	21.3	12.5	615	331	284	3.3	4.3	2.6
1992	2,897	1,577	1,320	15.6	19.8	12.5	577	310	267	3.1	4.1	2.5
1993	2,817	1,502	1,315	15.2	18.7	12.5	618	326	292	3.3	4.2	2.8
1994	2,708	1,547	1,161	14.4	19.0	10.8	658	341	317	3.5	4.4	2.9
1995	2,673	1,499	1,174	14.2	18.3	11.0	603	361	242	3.2	4.5	2.2
1996	2,722	1,513	1,209	14.4	18.2	11.3	613	355	258	3.2	4.4	2.3
1997	2,826	1,554	1,272	14.8	18.5	11.9	583	325	258	3.0	4.0	2.3
1998	2,947	1,628	1,319	15.2	19.1	12.2	558	282	276	2.9	3.3	2.4
1999	2,877	1,601	1,276	14.7	18.4	11.7	611	323	288	3.1	3.8	2.5
2000	2,858	1,614	1,244	14.5	18.4	11.3	555	321	234	2.8	3.7	2.0
2001	2,737	1,582	1,155	13.7	17.9	10.4	579	307	272	2.9	3.5	2.3
2002	2,688	1,531	1,157	13.4	17.0	10.5	590	329	261	2.9	3.7	2.2
2003	2,730	1,499	1,231	13.5	16.5	11.0	561	299	262	2.7	3.3	2.2
2004	2,526	1,416	1,110	12.4	15.4	9.8	589	335	254	2.9	3.7	2.2
2005	2,554	1,476	1,078	12.5	15.8	9.7	579	301	278	2.8	3.3	2.3
2006	2,515	1,449	1,066	12.3	15.5	9.6	565	308	257	2.7	3.4	2.1
2007	2,596	1,458	1,138	12.7	15.4	10.3	593	315	278	2.8	3.4	2.3
2008	2,599	1,441	1,158	12.5	15.0	10.4	560	301	259	2.6	3.2	2.2
2009	2,537	1,481	1,056	12.2	15.2	9.6	600	326	274	2.8	3.5	2.3
2010	2,486	1,408	1,078	11.7	14.1	9.6	610	329	281	2.8	3.4	2.3
2011	2,316	1,331	985	11.1	13.5	9.1	574	313	261	2.6	3.1	2.2
2012	2,347	1,338	1,009	10.9	13.1	9.0	624	348	276	2.8	3.5	2.3
2013	2,299	1,301	998	10.6	12.6	8.7	632	334	298	2.8	3.2	2.3
2014	2,320	1,341	979	10.7	13.0	8.7	618	352	266	2.7	3.4	2.2

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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, 2010-2014, Rectum and Rectosigmoid Cancer

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2010-2014			Annual Rate			Deaths 2010-2014			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
ALL RACES												
00 - 04	1	1	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	7	4	3	0.1	0.1	0.1	1	1	0	0.0	0.0	0.0
20 - 24	44	23	21	0.3	0.3	0.3	15	11	4	0.1	0.2	0.1
25 - 29	115	67	48	0.8	0.9	0.7	14	13	1	0.1	0.2	0.0
30 - 34	238	133	105	1.8	1.9	1.6	37	23	14	0.3	0.3	0.2
35 - 39	427	224	203	3.4	3.5	3.2	54	32	22	0.4	0.5	0.4
40 - 44	807	450	357	6.1	6.8	5.4	143	84	59	1.1	1.3	0.9
45 - 49	1,582	882	700	12.0	13.4	10.7	277	184	93	2.1	2.8	1.4
50 - 54	2,885	1,666	1,219	22.0	25.7	18.4	392	230	162	3.0	3.6	2.5
55 - 59	2,819	1,676	1,143	24.0	29.4	19.0	555	334	221	4.7	5.9	3.7
60 - 64	2,905	1,786	1,119	29.6	38.0	21.9	622	394	228	6.3	8.4	4.5
65 - 69	2,798	1,716	1,082	37.7	49.1	27.5	542	337	205	7.3	9.7	5.2
70 - 74	2,187	1,292	895	41.0	53.0	30.9	568	345	223	10.7	14.2	7.7
75 - 79	1,844	1,031	813	46.0	58.3	36.3	539	296	243	13.5	16.7	10.9
80 - 84	1,597	887	710	52.0	69.3	39.6	518	283	235	16.9	22.1	13.1
85 +	1,631	721	910	50.3	62.6	43.5	874	357	517	26.9	31.0	24.7
Total/Crude	21,887	12,559	9,328	11.5	13.3	9.7	5,151	2,924	2,227	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	4	2	2	0.2	0.2	0.2	5	5	0	0.3	0.5	0.0
25 - 29	16	12	4	0.8	1.2	0.4	3	3	0	0.1	0.3	0.0
30 - 34	43	21	22	2.0	2.1	2.0	8	5	3	0.4	0.5	0.3
35 - 39	70	38	32	3.3	3.8	2.8	10	6	4	0.5	0.6	0.4
40 - 44	135	75	60	6.3	7.6	5.2	30	16	14	1.4	1.6	1.2
45 - 49	266	137	129	13.2	14.7	12.0	46	34	12	2.3	3.7	1.1
50 - 54	453	260	193	23.3	29.0	18.4	63	34	29	3.2	3.8	2.8
55 - 59	427	249	178	24.0	31.0	18.3	82	52	30	4.6	6.5	3.1
60 - 64	487	304	183	32.4	45.0	22.1	103	63	40	6.8	9.3	4.8
65 - 69	460	274	186	42.5	56.4	31.2	60	40	20	5.5	8.2	3.4
70 - 74	323	191	132	40.1	53.4	29.5	61	33	28	7.6	9.2	6.3
75 - 79	289	164	125	47.3	63.0	35.7	70	40	30	11.5	15.4	8.6
80 - 84	261	144	117	59.6	81.7	44.7	64	33	31	14.6	18.7	11.9
85 +	225	110	115	55.1	72.4	44.8	93	35	58	22.8	23.0	22.6
Total/Crude	3,461	1,983	1,478	12.7	15.3	10.3	698	399	299	2.6	3.1	2.1

(Table Continues)

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Note: In situ cancers are excluded, unless specified.

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, 2010-2014, Rectum and Rectosigmoid Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2010-2014			Annual Rate			Deaths 2010-2014			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	0	0	0	0.0	0.0	0.0
20 - 24	1	1	0	0.1	0.2	0.0	2	2	0	0.2	0.4	0.0
25 - 29	5	3	2	0.6	0.7	0.5	0	0	0	0.0	0.0	0.0
30 - 34	13	8	5	1.6	2.0	1.3	4	3	1	0.5	0.7	0.3
35 - 39	13	8	5	1.8	2.2	1.4	3	3	0	0.4	0.8	0.0
40 - 44	39	22	17	4.8	5.5	4.2	10	8	2	1.2	2.0	0.5
45 - 49	89	56	33	10.2	13.0	7.5	32	25	7	3.7	5.8	1.6
50 - 54	189	96	93	21.3	21.9	20.7	31	17	14	3.5	3.9	3.1
55 - 59	202	121	81	26.8	33.1	20.9	43	24	19	5.7	6.6	4.9
60 - 64	206	123	83	35.0	44.8	26.5	41	25	16	7.0	9.1	5.1
65 - 69	170	86	84	41.0	46.2	36.8	43	24	19	10.4	12.9	8.3
70 - 74	130	73	57	42.3	54.4	33.0	32	18	14	10.4	13.4	8.1
75 - 79	107	56	51	47.6	58.3	39.7	43	22	21	19.1	22.9	16.3
80 - 84	88	51	37	61.1	92.2	41.7	25	13	12	17.4	23.5	13.5
85 +	61	22	39	43.3	49.4	40.5	37	16	21	26.3	35.9	21.8
Total/Crude	1,313	726	587	11.0	12.3	9.7	346	200	146	2.9	3.4	2.4
HISPANIC												
00 - 04	1	1	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	3	1	2	0.1	0.0	0.1	1	1	0	0.0	0.0	0.0
20 - 24	11	5	6	0.2	0.2	0.2	3	3	0	0.1	0.1	0.0
25 - 29	49	29	20	0.8	0.9	0.7	6	6	0	0.1	0.2	0.0
30 - 34	79	42	37	1.4	1.4	1.3	14	8	6	0.3	0.3	0.2
35 - 39	163	90	73	3.0	3.3	2.8	20	10	10	0.4	0.4	0.4
40 - 44	274	154	120	5.4	5.9	4.8	47	29	18	0.9	1.1	0.7
45 - 49	423	258	165	9.4	11.3	7.4	79	56	23	1.8	2.4	1.0
50 - 54	703	418	285	18.5	22.2	14.9	94	60	34	2.5	3.2	1.8
55 - 59	701	404	297	23.8	28.3	19.5	128	76	52	4.3	5.3	3.4
60 - 64	637	394	243	29.9	39.2	21.6	133	91	42	6.2	9.1	3.7
65 - 69	577	353	224	39.2	52.8	27.8	94	54	40	6.4	8.1	5.0
70 - 74	414	265	149	40.3	59.3	25.6	125	87	38	12.2	19.5	6.5
75 - 79	311	175	136	41.5	55.8	31.3	76	39	37	10.2	12.4	8.5
80 - 84	281	159	122	52.6	74.2	38.2	85	52	33	15.9	24.3	10.3
85 +	214	111	103	46.2	65.6	35.1	106	54	52	22.9	31.9	17.7
Total/Crude	4,841	2,859	1,982	6.7	7.8	5.5	1,011	626	385	1.4	1.7	1.1

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.
 Source: California Cancer Registry (November 2016) and CDPH Center for Health Statistics Death Master Files.
 Note: In situ cancers are excluded, unless specified.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

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, 2010-2014, Rectum and Rectosigmoid Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2010-2014			Annual Rate			Deaths 2010-2014			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	2	1	1	0.1	0.1	0.1	0	0	0	0.0	0.0	0.0
20 - 24	25	14	11	0.5	0.6	0.5	5	1	4	0.1	0.0	0.2
25 - 29	38	22	16	0.8	0.8	0.7	5	4	1	0.1	0.2	0.0
30 - 34	97	58	39	2.0	2.3	1.7	11	7	4	0.2	0.3	0.2
35 - 39	170	84	86	3.9	3.7	4.0	21	13	8	0.5	0.6	0.4
40 - 44	348	194	154	6.9	7.6	6.3	51	27	24	1.0	1.1	1.0
45 - 49	767	410	357	13.5	14.3	12.8	119	69	50	2.1	2.4	1.8
50 - 54	1,419	826	593	22.2	25.6	18.7	202	118	84	3.2	3.7	2.7
55 - 59	1,392	853	539	22.5	27.7	17.4	296	179	117	4.8	5.8	3.8
60 - 64	1,530	938	592	27.6	34.5	21.0	336	208	128	6.1	7.7	4.5
65 - 69	1,528	965	563	34.6	45.3	24.7	343	218	125	7.8	10.2	5.5
70 - 74	1,271	733	538	40.2	49.4	32.1	346	205	141	10.9	13.8	8.4
75 - 79	1,109	624	485	46.1	57.2	36.9	349	194	155	14.5	17.8	11.8
80 - 84	950	524	426	48.9	63.3	38.2	339	184	155	17.4	22.2	13.9
85 +	1,122	473	649	50.5	60.5	45.1	635	249	386	28.6	31.8	26.8
Total/Crude	11,768	6,719	5,049	15.2	17.5	13.0	3,058	1,676	1,382	4.0	4.4	3.6

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

Source: California Cancer Registry (November 2016) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

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

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2014, 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	1,078	4.1	830	3.2	736	2.8	547	2.1	441	1.7
1995	1,035	3.9	814	3.1	729	2.7	540	2.0	469	1.8
1996	1,071	4.0	840	3.1	760	2.8	523	1.9	500	1.9
1997	1,149	4.2	819	3.0	782	2.8	518	1.9	544	2.0
1998	1,276	4.5	875	3.1	837	2.9	625	2.2	432	1.5
1999	1,247	4.3	866	3.0	855	2.9	582	2.0	512	1.8
2000	1,275	4.3	874	3.0	854	2.9	567	1.9	474	1.6
2001	1,169	3.9	830	2.8	909	3.0	555	1.8	528	1.7
2002	1,131	3.7	823	2.7	861	2.8	636	2.0	533	1.7
2003	1,182	3.8	827	2.6	853	2.7	629	2.0	562	1.8
2004	1,009	3.1	729	2.3	848	2.6	657	2.0	623	1.9
2005	1,000	3.0	791	2.4	904	2.7	669	2.0	598	1.8
2006	994	3.0	772	2.3	888	2.6	691	2.0	639	1.8
2007	1,067	3.1	794	2.3	956	2.8	691	2.0	674	1.9
2008	1,072	3.0	753	2.2	966	2.7	673	1.9	749	2.1
2009	1,030	2.9	746	2.1	959	2.6	730	2.0	776	2.1
2010	1,188	3.2	820	2.2	1,011	2.7	710	1.9	516	1.4
2011	1,130	2.9	751	2.0	1,056	2.8	714	1.9	474	1.2
2012	1,171	2.9	763	1.9	1,101	2.8	715	1.8	450	1.1
2013	1,088	2.7	767	1.9	1,056	2.6	808	2.0	466	1.2
2014	1,089	2.6	788	1.9	1,188	2.9	765	1.8	0	-
BOTH SEXES COMBINED, ASIAN/PACIFIC ISLANDER										
1994	87	4.0	73	3.2	83	3.3	57	2.6	58	2.6
1995	92	3.8	50	2.2	85	3.2	54	2.4	54	2.4
1996	107	4.0	72	2.9	83	3.3	44	1.7	55	2.0
1997	98	3.6	66	2.5	101	3.6	49	1.7	73	2.6
1998	115	4.0	77	2.6	83	2.6	60	1.9	58	2.0
1999	124	4.0	101	3.3	98	3.1	54	1.7	55	1.8
2000	130	4.0	92	2.9	110	3.3	69	1.9	67	2.0
2001	117	3.4	110	3.2	126	3.6	67	1.9	67	2.0
2002	118	3.3	96	2.6	139	3.7	70	2.0	82	2.3
2003	143	3.8	94	2.5	99	2.5	74	2.0	79	2.0
2004	108	2.8	95	2.4	119	2.9	95	2.3	85	2.0
2005	113	2.7	110	2.6	136	3.3	73	1.7	98	2.3
2006	131	3.1	119	2.7	159	3.5	88	1.9	106	2.3
2007	152	3.3	107	2.3	136	2.9	96	2.0	135	2.8
2008	124	2.6	104	2.2	141	2.8	94	1.9	123	2.4
2009	139	2.8	95	1.9	161	3.1	91	1.7	139	2.7
2010	183	3.4	128	2.4	141	2.7	110	2.1	91	1.7
2011	181	3.2	129	2.4	174	3.1	97	1.7	86	1.6
2012	209	3.5	125	2.1	153	2.6	83	1.4	85	1.5
2013	186	3.0	116	1.9	165	2.6	120	1.9	67	1.1
2014	187	2.9	111	1.8	197	3.0	118	1.8	0	-

(Table Continues)

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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	48	3.4	50	3.4	34	2.3	32	2.1	49	3.3
1995	55	3.8	44	2.9	47	3.2	28	1.8	54	3.6
1996	52	3.5	43	3.0	36	2.4	33	2.3	52	3.4
1997	39	2.5	49	3.2	50	3.1	34	2.1	58	3.5
1998	60	3.8	43	2.7	49	3.0	40	2.5	38	2.6
1999	38	2.4	51	3.2	45	2.7	41	2.4	59	3.5
2000	49	3.0	45	2.8	45	2.6	36	2.1	34	1.9
2001	48	2.8	37	2.2	47	2.7	34	1.9	48	2.8
2002	50	2.9	43	2.6	47	2.7	33	1.8	50	2.7
2003	63	3.6	43	2.4	40	2.0	42	2.1	59	3.3
2004	51	2.9	52	3.0	51	2.8	47	2.4	52	2.8
2005	49	2.6	32	1.6	53	2.8	52	2.6	57	3.0
2006	51	2.6	34	1.7	44	2.2	45	2.2	61	2.9
2007	52	2.7	43	2.4	58	2.8	49	2.4	58	2.8
2008	63	3.0	36	1.8	49	2.3	40	1.8	71	3.3
2009	47	2.2	42	2.0	53	2.5	55	2.6	83	3.7
2010	60	2.7	48	2.2	60	2.7	57	2.5	49	2.1
2011	77	3.3	40	1.7	46	2.1	36	1.6	43	2.0
2012	72	3.1	39	1.6	49	2.0	48	2.1	37	1.8
2013	84	3.4	38	1.6	57	2.5	54	2.1	36	1.6
2014	62	2.4	37	1.5	65	2.7	44	1.8	0	-
BOTH SEXES COMBINED, HISPANIC										
1994	101	2.9	90	2.6	82	2.3	67	2.0	47	1.3
1995	101	2.8	95	2.7	91	2.4	56	1.5	55	1.5
1996	94	2.6	115	2.9	87	2.2	68	1.8	77	1.8
1997	107	2.8	109	2.7	95	2.2	59	1.5	56	1.4
1998	135	3.2	113	2.9	131	3.0	77	1.8	56	1.3
1999	141	3.3	110	2.5	113	2.4	99	2.1	78	1.8
2000	152	3.4	119	2.8	121	2.4	82	1.6	66	1.4
2001	139	2.8	116	2.3	137	2.5	107	2.1	73	1.4
2002	161	3.1	111	2.3	137	2.5	115	2.1	91	1.6
2003	144	2.7	131	2.4	143	2.3	100	1.6	104	1.8
2004	151	2.8	129	2.3	149	2.3	96	1.6	138	2.4
2005	146	2.4	143	2.3	164	2.5	124	1.9	137	2.0
2006	152	2.5	131	2.1	139	2.0	138	2.0	129	2.0
2007	146	2.2	140	2.2	179	2.4	131	1.8	167	2.2
2008	194	2.7	131	1.9	197	2.6	127	1.6	159	2.0
2009	176	2.4	149	2.0	174	2.2	153	1.8	172	2.2
2010	221	2.7	180	2.2	214	2.6	143	1.6	106	1.4
2011	231	2.7	160	1.9	235	2.5	179	2.0	115	1.4
2012	242	2.6	173	1.8	240	2.5	184	1.9	95	1.0
2013	224	2.3	180	2.0	230	2.3	190	1.9	121	1.2
2014	222	2.1	190	1.9	289	2.8	197	1.8	0	-

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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	833	4.4	609	3.2	536	2.9	389	2.1	272	1.5
1995	779	4.1	620	3.3	503	2.7	400	2.1	296	1.6
1996	805	4.2	607	3.2	550	2.9	376	2.0	299	1.6
1997	890	4.6	593	3.1	534	2.8	374	2.0	343	1.8
1998	952	4.9	637	3.3	570	3.0	443	2.3	264	1.4
1999	926	4.7	602	3.1	590	3.0	386	2.0	296	1.5
2000	929	4.7	614	3.1	575	2.9	372	1.9	290	1.4
2001	852	4.3	561	2.8	591	3.0	341	1.7	322	1.6
2002	793	3.9	565	2.8	532	2.7	415	2.1	296	1.5
2003	819	4.0	555	2.7	567	2.8	409	2.0	289	1.4
2004	683	3.3	452	2.2	520	2.6	413	2.1	325	1.6
2005	677	3.3	503	2.4	546	2.7	414	2.1	286	1.4
2006	641	3.1	485	2.4	539	2.7	412	2.0	309	1.5
2007	705	3.4	495	2.4	577	2.9	412	2.0	281	1.4
2008	673	3.2	475	2.3	571	2.8	400	2.0	351	1.7
2009	651	3.1	452	2.2	567	2.8	421	2.0	350	1.6
2010	697	3.3	451	2.1	594	2.8	394	1.9	222	1.0
2011	616	2.9	413	2.0	592	2.9	395	1.9	200	0.9
2012	619	2.9	420	1.9	645	3.1	394	1.9	190	0.8
2013	566	2.5	425	1.9	589	2.8	436	2.1	207	0.9
2014	591	2.7	441	2.0	622	3.0	396	1.9	0	-

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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
MALE, ALL RACES										
1994	601	5.4	491	4.3	424	3.6	336	2.9	233	2.2
1995	580	5.0	461	4.0	416	3.5	317	2.7	254	2.3
1996	585	5.0	474	4.0	439	3.7	320	2.7	276	2.4
1997	653	5.4	438	3.7	428	3.5	309	2.5	307	2.6
1998	721	5.9	480	3.9	485	3.8	381	3.0	219	1.8
1999	688	5.4	484	3.8	498	3.8	336	2.6	256	2.0
2000	715	5.5	495	3.8	487	3.6	337	2.5	260	2.0
2001	667	5.1	495	3.7	523	3.8	341	2.5	268	2.0
2002	655	4.8	455	3.3	491	3.5	386	2.7	276	2.0
2003	659	4.7	468	3.4	487	3.3	357	2.5	288	2.0
2004	551	3.9	411	2.9	477	3.2	397	2.7	329	2.3
2005	580	3.9	480	3.2	525	3.4	429	2.8	304	2.0
2006	588	4.0	449	3.0	494	3.1	389	2.5	359	2.3
2007	613	4.0	442	2.9	555	3.4	405	2.5	348	2.2
2008	601	3.8	439	2.8	556	3.4	403	2.4	396	2.4
2009	608	3.7	427	2.6	587	3.5	428	2.5	398	2.4
2010	640	3.8	458	2.7	570	3.3	450	2.5	275	1.6
2011	627	3.6	422	2.4	620	3.5	456	2.5	251	1.4
2012	618	3.3	460	2.5	639	3.4	420	2.3	232	1.3
2013	597	3.2	447	2.4	648	3.4	500	2.6	232	1.3
2014	607	3.1	464	2.4	727	3.7	456	2.3	0	-
MALE, ASIAN/PACIFIC ISLANDER										
1994	48	4.8	44	4.2	48	4.2	34	3.2	26	2.5
1995	54	5.0	34	3.3	45	3.9	26	2.4	28	2.5
1996	61	5.2	45	4.1	49	4.2	29	2.5	37	3.1
1997	61	5.3	41	3.7	60	4.9	32	2.6	45	3.8
1998	61	4.9	41	3.1	55	3.8	39	2.8	30	2.3
1999	64	4.7	57	4.1	66	5.0	34	2.5	30	2.3
2000	73	5.2	50	3.6	59	4.1	40	2.6	40	2.7
2001	65	4.4	70	4.5	60	3.8	43	2.6	32	2.0
2002	68	4.2	53	3.1	74	4.3	40	2.4	51	3.1
2003	82	5.0	53	3.1	52	2.9	45	2.8	44	2.5
2004	64	3.7	52	3.2	65	3.6	53	3.1	47	2.6
2005	58	3.2	67	3.5	69	3.7	50	2.4	45	2.4
2006	81	4.3	65	3.4	83	4.0	59	2.9	64	3.1
2007	97	4.8	60	3.0	81	3.8	51	2.5	68	3.2
2008	79	3.8	61	2.9	79	3.5	55	2.5	58	2.5
2009	73	3.3	51	2.3	98	4.2	56	2.4	70	3.0
2010	87	3.7	75	3.2	65	2.7	69	2.9	58	2.4
2011	95	3.9	74	3.2	103	4.1	60	2.3	45	1.9
2012	111	4.2	73	2.9	89	3.4	47	1.8	43	1.7
2013	108	4.0	64	2.3	102	3.7	75	2.7	43	1.6
2014	110	3.8	67	2.4	113	3.8	69	2.4	0	-

(Table Continues)

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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	22	4.1	29	4.2	15	2.3	19	2.9	24	3.8
1995	28	4.5	21	3.1	27	4.4	22	3.2	38	5.8
1996	27	4.4	21	3.3	22	3.8	21	3.4	29	4.1
1997	23	3.6	24	3.4	27	3.6	20	2.8	30	3.9
1998	37	5.6	28	4.0	27	3.9	30	4.1	18	2.8
1999	22	3.0	27	3.8	18	3.1	27	3.4	33	4.7
2000	25	3.8	25	3.7	25	3.2	21	2.6	15	1.7
2001	24	3.2	21	2.8	22	2.7	15	1.7	22	2.8
2002	31	4.2	17	2.2	21	2.6	21	2.7	24	2.9
2003	33	4.1	23	2.8	25	2.9	25	3.0	22	2.9
2004	25	3.3	29	4.0	34	4.4	28	3.1	24	3.2
2005	28	3.5	22	2.3	28	3.1	31	3.0	28	3.2
2006	27	3.0	24	2.8	25	2.7	27	2.9	30	3.2
2007	27	3.2	22	2.8	35	3.6	29	3.1	31	3.5
2008	41	4.4	21	2.1	32	3.7	26	2.6	38	3.7
2009	25	3.1	19	2.0	27	2.9	32	3.4	37	3.9
2010	30	3.1	23	2.5	38	3.9	37	3.3	24	2.3
2011	37	3.4	25	2.3	29	3.0	27	2.6	23	2.3
2012	30	2.9	24	2.3	24	2.1	27	2.6	14	-
2013	38	3.4	25	2.4	32	3.2	35	2.8	18	1.7
2014	30	2.5	29	2.8	37	3.6	27	2.4	0	-
MALE, HISPANIC										
1994	58	4.0	63	4.4	55	3.6	45	3.0	23	1.5
1995	58	3.6	58	4.3	51	3.0	42	2.6	30	1.7
1996	51	3.4	66	3.6	56	3.3	50	3.2	47	2.5
1997	57	3.2	64	3.8	53	2.9	35	2.0	32	1.9
1998	86	5.0	71	4.3	72	3.7	49	2.5	32	1.6
1999	80	4.5	63	3.3	62	2.9	57	2.9	42	2.3
2000	83	4.5	70	3.9	84	3.9	47	2.2	37	1.7
2001	80	3.7	70	3.1	96	3.9	70	3.4	31	1.4
2002	90	3.8	68	3.1	81	3.4	69	2.7	42	1.8
2003	83	3.5	78	3.2	93	3.4	64	2.1	63	2.4
2004	84	3.8	74	2.8	79	2.8	61	2.3	75	3.2
2005	95	3.7	95	3.5	106	3.6	86	2.9	74	2.2
2006	86	3.3	80	3.0	73	2.4	78	2.5	79	2.7
2007	92	3.2	77	2.9	106	3.1	78	2.3	83	2.5
2008	120	3.7	77	2.5	117	3.5	84	2.4	93	2.6
2009	107	3.3	86	2.4	124	3.4	96	2.6	86	2.5
2010	125	3.7	105	2.9	127	3.4	95	2.3	55	1.8
2011	123	3.2	90	2.4	143	3.4	124	2.9	63	1.6
2012	131	3.1	102	2.4	139	3.2	121	2.8	52	1.2
2013	142	3.3	102	2.5	147	3.3	128	2.9	55	1.2
2014	121	2.5	110	2.4	182	3.7	123	2.5	0	-

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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	471	5.8	351	4.3	306	3.7	237	2.9	151	2.0
1995	438	5.3	344	4.2	291	3.5	225	2.7	154	2.0
1996	440	5.3	340	4.1	309	3.7	219	2.6	155	2.0
1997	504	6.0	307	3.7	287	3.4	221	2.6	191	2.3
1998	527	6.2	337	3.9	328	3.8	258	3.0	134	1.6
1999	510	5.8	336	3.9	347	3.9	218	2.5	141	1.7
2000	530	6.0	348	4.0	318	3.6	225	2.6	156	1.8
2001	488	5.5	330	3.7	338	3.8	208	2.3	172	2.0
2002	459	5.1	315	3.5	312	3.5	253	2.8	151	1.7
2003	456	5.0	311	3.5	315	3.4	220	2.4	142	1.6
2004	369	4.0	255	2.8	294	3.1	252	2.7	173	1.9
2005	391	4.2	294	3.2	320	3.4	257	2.8	143	1.5
2006	381	4.1	278	3.1	310	3.3	221	2.3	172	1.8
2007	393	4.2	278	3.0	329	3.5	245	2.5	148	1.6
2008	352	3.6	279	2.9	324	3.4	229	2.4	185	2.0
2009	393	4.0	266	2.8	334	3.4	238	2.4	189	2.0
2010	385	3.9	253	2.5	339	3.4	247	2.5	112	1.1
2011	361	3.6	228	2.3	341	3.5	240	2.4	107	1.1
2012	331	3.3	260	2.5	381	3.7	219	2.1	96	1.0
2013	294	2.8	248	2.4	357	3.5	257	2.5	97	0.9
2014	335	3.2	253	2.4	386	3.9	232	2.2	0	-

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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	477	3.2	339	2.3	312	2.1	211	1.4	208	1.4
1995	455	3.1	353	2.3	313	2.1	223	1.5	215	1.4
1996	486	3.2	366	2.4	321	2.1	203	1.3	224	1.5
1997	496	3.2	381	2.4	354	2.3	209	1.4	237	1.5
1998	555	3.5	395	2.5	352	2.2	244	1.6	213	1.3
1999	559	3.5	382	2.4	357	2.2	246	1.5	256	1.6
2000	560	3.4	379	2.3	367	2.2	230	1.4	214	1.3
2001	502	3.0	335	2.0	386	2.3	214	1.3	260	1.5
2002	476	2.8	368	2.1	370	2.2	250	1.4	257	1.5
2003	523	3.0	359	2.0	366	2.1	272	1.6	274	1.5
2004	458	2.6	318	1.8	371	2.1	260	1.5	294	1.6
2005	420	2.3	311	1.7	379	2.1	240	1.3	294	1.6
2006	406	2.2	323	1.8	394	2.2	302	1.6	280	1.5
2007	454	2.4	352	1.8	401	2.2	286	1.5	326	1.7
2008	471	2.5	314	1.7	410	2.2	270	1.4	353	1.8
2009	422	2.2	319	1.7	372	1.9	302	1.5	378	1.9
2010	548	2.7	362	1.8	441	2.2	260	1.3	241	1.2
2011	503	2.5	329	1.6	436	2.2	258	1.3	223	1.1
2012	553	2.6	303	1.4	462	2.3	295	1.4	218	1.0
2013	491	2.3	320	1.5	408	1.9	308	1.5	234	1.1
2014	482	2.2	324	1.5	461	2.1	309	1.4	0	-
FEMALE, ASIAN/PACIFIC ISLANDER										
1994	39	3.5	29	2.4	35	2.6	23	2.1	32	2.6
1995	38	2.7	16	1.3	40	2.7	28	2.4	26	2.2
1996	46	3.1	27	2.0	34	2.5	15	1.0	18	1.2
1997	37	2.4	25	1.6	41	2.6	17	0.9	28	1.7
1998	54	3.3	36	2.3	28	1.7	21	1.2	28	1.7
1999	60	3.5	44	2.7	32	1.7	20	1.1	25	1.4
2000	57	3.1	42	2.4	51	2.7	29	1.4	27	1.5
2001	52	2.6	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	35	1.5
2004	44	2.0	43	1.9	54	2.4	42	1.8	38	1.6
2005	55	2.4	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	42	1.6
2007	55	2.1	47	1.7	55	2.1	45	1.7	67	2.5
2008	45	1.7	43	1.7	62	2.3	39	1.4	65	2.3
2009	66	2.4	44	1.6	63	2.2	35	1.2	69	2.4
2010	96	3.3	53	1.8	76	2.6	41	1.4	33	1.1
2011	86	2.7	55	1.8	71	2.3	37	1.2	41	1.3
2012	98	3.0	52	1.6	64	2.0	36	1.1	42	1.3
2013	78	2.3	52	1.5	63	1.8	45	1.3	24	0.7
2014	77	2.1	44	1.3	84	2.3	49	1.4	0	-

(Table Continues)

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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
FEMALE, NON-HISPANIC BLACK										
1994	26	3.1	21	2.6	19	2.4	13	-	25	2.9
1995	27	3.3	23	2.7	20	2.4	6	-	16	1.9
1996	25	2.9	22	2.7	14	-	12	-	23	2.7
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	-	20	2.4
1999	16	1.8	24	2.7	27	2.8	14	-	26	2.8
2000	24	2.5	20	2.2	20	2.1	15	1.6	19	1.9
2001	24	2.4	16	1.7	25	2.6	19	2.0	26	2.7
2002	19	2.0	26	2.7	26	2.6	12	-	26	2.5
2003	30	3.0	20	2.0	15	1.4	17	1.6	37	3.7
2004	26	2.5	23	2.2	17	1.7	19	1.9	28	2.6
2005	21	2.0	10	-	25	2.5	21	2.0	29	2.8
2006	24	2.2	10	-	19	1.7	18	1.6	31	2.8
2007	25	2.3	21	2.0	23	2.1	20	1.8	27	2.4
2008	22	1.9	15	1.5	17	1.3	14	-	33	2.8
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	20	1.8	25	2.0
2011	40	3.3	15	1.2	17	1.4	9	-	20	1.7
2012	42	3.3	15	1.1	25	1.9	21	1.6	23	1.9
2013	46	3.5	13	-	25	2.0	19	1.4	18	1.4
2014	32	2.4	8	-	28	2.1	17	1.3	0	-
FEMALE, HISPANIC										
1994	43	2.2	27	1.4	27	1.3	22	1.2	24	1.2
1995	43	2.2	37	1.8	40	1.9	14	-	25	1.3
1996	43	2.1	49	2.3	31	1.4	18	0.8	30	1.3
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	61	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	55	1.9	70	1.9	35	1.1	63	1.9
2005	51	1.5	48	1.4	58	1.6	38	1.1	63	1.8
2006	66	1.9	51	1.4	66	1.7	60	1.5	50	1.5
2007	54	1.4	63	1.7	73	1.8	53	1.3	84	2.1
2008	74	1.9	54	1.5	80	2.0	43	1.0	66	1.6
2009	69	1.7	63	1.6	50	1.2	57	1.2	86	2.0
2010	96	2.0	75	1.7	87	1.9	48	1.1	51	1.1
2011	108	2.4	70	1.5	92	1.8	55	1.2	52	1.2
2012	111	2.2	71	1.4	101	1.9	63	1.2	43	0.9
2013	82	1.6	78	1.6	83	1.5	62	1.1	66	1.3
2014	101	1.8	80	1.5	107	1.9	74	1.3	0	-

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

Source: California Cancer Registry (November 2016).

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. 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, 1994-2014, 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
FEMALE, NON-HISPANIC WHITE										
1994	362	3.3	258	2.4	230	2.2	152	1.4	121	1.1
1995	341	3.2	276	2.5	212	2.0	175	1.6	142	1.3
1996	365	3.4	267	2.5	241	2.3	157	1.4	144	1.3
1997	386	3.6	286	2.6	247	2.4	153	1.4	152	1.4
1998	425	3.9	300	2.7	242	2.3	185	1.7	130	1.2
1999	416	3.8	266	2.4	243	2.3	168	1.6	155	1.4
2000	399	3.6	266	2.4	257	2.4	147	1.4	134	1.2
2001	364	3.3	231	2.0	253	2.3	133	1.2	150	1.3
2002	334	3.0	250	2.2	220	2.0	162	1.5	145	1.3
2003	363	3.2	244	2.2	252	2.3	189	1.7	147	1.3
2004	314	2.8	197	1.7	226	2.1	161	1.4	152	1.3
2005	286	2.6	209	1.9	226	2.1	157	1.4	143	1.2
2006	260	2.3	207	1.8	229	2.1	191	1.7	137	1.2
2007	312	2.7	217	1.9	248	2.4	167	1.6	133	1.2
2008	321	2.9	196	1.7	247	2.3	171	1.6	166	1.4
2009	258	2.3	186	1.7	233	2.2	183	1.7	161	1.4
2010	312	2.8	198	1.8	255	2.3	147	1.3	110	0.9
2011	255	2.3	185	1.7	251	2.4	155	1.5	93	0.8
2012	288	2.5	160	1.4	264	2.6	175	1.6	94	0.8
2013	272	2.3	177	1.5	232	2.1	179	1.7	110	0.9
2014	256	2.2	188	1.7	236	2.2	164	1.5	0	-

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

Source: California Cancer Registry (November 2016).

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. 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	1.39	0.00	0.00	0.01	1.04
25	0.01	0.07	0.25	1.41	0.01	0.06	0.19	1.05
35	0.05	0.23	0.53	1.41	0.04	0.18	0.37	1.04
45	0.18	0.48	0.86	1.38	0.14	0.32	0.56	1.01
55	0.31	0.71	1.06	1.25	0.19	0.44	0.69	0.90
65	0.43	0.82	-	1.03	0.26	0.53	-	0.74
Lifetime Risk of Being Diagnosed = 1.39%				Lifetime Risk of Being Diagnosed = 1.04%				
Lifetime Risk of Dying of Cancer = 0.40%				Lifetime Risk of Dying of Cancer = 0.32%				
ASIAN/PACIFIC ISLANDER								
0	0.00	0.00	0.01	1.84	0.00	0.00	0.00	1.29
25	0.02	0.07	0.28	1.87	0.01	0.05	0.19	1.30
35	0.06	0.26	0.61	1.86	0.04	0.18	0.37	1.29
45	0.21	0.56	1.01	1.83	0.14	0.33	0.60	1.26
55	0.36	0.83	1.29	1.66	0.20	0.46	0.77	1.13
65	0.49	0.98	-	1.38	0.28	0.60	-	0.97
Lifetime Risk of Being Diagnosed = 1.84%				Lifetime Risk of Being Diagnosed = 1.29%				
Lifetime Risk of Dying of Cancer = 0.44%				Lifetime Risk of Dying of Cancer = 0.37%				
NON-HISPANIC BLACK								
0	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.95
25	0.01	0.05	0.20	1.18	0.01	0.04	0.16	0.97
35	0.04	0.19	0.50	1.19	0.03	0.16	0.36	0.97
45	0.16	0.48	0.79	1.19	0.13	0.34	0.59	0.96
55	0.34	0.67	0.98	1.10	0.22	0.49	0.72	0.87
65	0.39	0.76	-	0.90	0.29	0.55	-	0.72
Lifetime Risk of Being Diagnosed = 1.14%				Lifetime Risk of Being Diagnosed = 0.95%				
Lifetime Risk of Dying of Cancer = 0.38%				Lifetime Risk of Dying of Cancer = 0.29%				
HISPANIC								
0	0.00	0.00	0.01	1.50	0.00	0.00	0.00	0.97
25	0.01	0.06	0.22	1.53	0.01	0.05	0.15	0.97
35	0.05	0.21	0.50	1.53	0.04	0.14	0.33	0.97
45	0.16	0.46	0.88	1.51	0.11	0.30	0.52	0.94
55	0.31	0.75	1.13	1.40	0.19	0.42	0.65	0.85
65	0.48	0.89	-	1.19	0.24	0.49	-	0.69
Lifetime Risk of Being Diagnosed = 1.50%				Lifetime Risk of Being Diagnosed = 0.97%				
Lifetime Risk of Dying of Cancer = 0.44%				Lifetime Risk of Dying of Cancer = 0.27%				
NON-HISPANIC WHITE								
0	0.00	0.00	0.01	1.29	0.00	0.00	0.01	1.02
25	0.02	0.07	0.25	1.31	0.01	0.06	0.21	1.02
35	0.06	0.24	0.51	1.30	0.05	0.20	0.37	1.02
45	0.19	0.46	0.81	1.27	0.15	0.32	0.55	0.98
55	0.29	0.65	0.98	1.14	0.18	0.42	0.67	0.85
65	0.40	0.76	-	0.94	0.25	0.51	-	0.71
Lifetime Risk of Being Diagnosed = 1.29%				Lifetime Risk of Being Diagnosed = 1.02%				
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 (November 2016) and CDPH Center for Health Statistics Death Master Files.
 Note: Based on average annual age-specific cancer incidence and mortality rates in California, 2010-2014.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.