

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, 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	3,703	1,978	1,725	15.5	19.1	12.8	764	400	364	3.3	4.2	2.7
1990	3,706	1,955	1,751	15.2	18.8	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	2,028	1,730	14.9	18.8	12.1	804	449	355	3.2	4.3	2.5
1993	3,694	1,960	1,734	14.5	17.6	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	3,721	2,081	1,640	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	4,070	2,264	1,806	14.4	18.2	11.5	773	410	363	2.8	3.3	2.3
1999	4,061	2,220	1,841	14.0	17.3	11.4	825	448	377	2.9	3.6	2.3
2000	4,058	2,254	1,804	13.7	17.2	10.9	811	475	336	2.8	3.8	2.0
2001	4,004	2,271	1,733	13.2	16.8	10.3	813	437	376	2.7	3.4	2.2
2002	3,999	2,220	1,779	12.9	16.0	10.3	849	468	381	2.8	3.5	2.2
2003	4,068	2,229	1,839	12.8	15.7	10.5	845	468	377	2.7	3.4	2.1
2004	3,964	2,183	1,781	12.3	15.0	10.0	831	483	348	2.6	3.5	1.9
2005	4,068	2,341	1,727	12.3	15.6	9.5	882	474	408	2.7	3.3	2.2
2006	4,090	2,326	1,764	12.1	15.2	9.5	890	489	401	2.7	3.3	2.1
2007	4,322	2,406	1,916	12.5	15.3	10.2	911	504	407	2.7	3.3	2.1
2008	4,305	2,401	1,904	12.2	14.8	9.9	912	513	399	2.6	3.3	2.0
2009	4,308	2,457	1,851	11.8	14.8	9.4	941	535	406	2.6	3.4	2.0
2010	4,346	2,408	1,938	11.6	14.0	9.6	1,017	576	441	2.8	3.5	2.2
2011	4,227	2,391	1,836	11.1	13.5	9.0	983	544	439	2.6	3.2	2.1
2012	4,264	2,385	1,879	10.8	13.0	9.0	1,067	608	459	2.7	3.5	2.1
2013	4,275	2,453	1,822	10.6	13.1	8.5	1,032	583	449	2.6	3.2	2.0
2014	4,451	2,576	1,875	10.7	13.3	8.5	1,052	613	439	2.6	3.3	2.0
2015	4,440	2,584	1,856	10.5	13.0	8.3	1,072	598	474	2.6	3.1	2.1
2016	4,556	2,610	1,946	10.5	12.8	8.6	1,084	626	458	2.5	3.2	2.0
2017	4,555	2,607	1,948	10.4	12.6	8.5	1,128	621	507	2.6	3.1	2.1

(Table Continues)

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

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

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, 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
ASIAN/PACIFIC ISLANDER												
1988	238	142	96	15.0	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	248	131	117	14.1	17.5	11.4	36	23	13	2.2	3.1	-
1991	300	159	141	15.9	18.9	13.5	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	359	201	158	15.8	19.1	13.1	67	35	32	2.9	3.2	2.6
1995	343	191	152	14.2	17.4	11.7	66	42	24	2.9	4.1	1.9
1996	358	216	142	13.8	18.6	9.9	65	34	31	2.7	3.0	2.4
1997	389	238	151	14.2	20.2	9.5	71	41	30	3.0	3.8	2.3
1998	397	225	172	13.3	17.0	10.4	60	37	23	2.1	2.7	1.5
1999	436	251	185	14.1	18.6	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	495	273	222	14.3	17.5	11.7	71	38	33	2.1	2.6	1.7
2002	519	293	226	14.3	17.7	11.4	90	51	39	2.7	3.4	2.1
2003	497	277	220	12.9	16.4	10.1	85	47	38	2.3	3.1	1.8
2004	520	293	227	12.9	16.7	10.0	72	48	24	1.9	2.9	1.1
2005	553	299	254	13.1	15.8	10.9	90	47	43	2.3	2.6	2.0
2006	618	357	261	13.8	18.1	10.5	98	57	41	2.3	3.0	1.7
2007	649	363	286	13.8	17.7	10.9	112	61	51	2.5	3.1	2.0
2008	604	335	269	12.3	15.4	9.9	121	71	50	2.6	3.6	1.9
2009	645	358	287	12.6	15.8	10.1	104	65	39	2.1	3.0	1.5
2010	677	367	310	12.8	15.5	10.6	137	84	53	2.7	3.6	1.9
2011	700	392	308	12.5	16.0	9.8	130	61	69	2.4	2.6	2.2
2012	670	373	297	11.5	14.4	9.1	167	90	77	2.9	3.6	2.4
2013	680	414	266	11.1	15.3	7.8	123	81	42	2.0	3.1	1.2
2014	738	433	305	11.5	15.2	8.6	141	83	58	2.2	2.9	1.6
2015	708	407	301	10.6	13.5	8.3	153	80	73	2.4	2.8	2.0
2016	751	433	318	10.8	14.0	8.3	135	87	48	2.0	2.9	1.2
2017	709	402	307	9.9	12.6	7.8	163	80	83	2.2	2.5	2.0

(Table Continues)

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Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC 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	202	98	104	14.3	15.3	13.1	77	32	45	5.7	5.7	5.8
1994	203	99	104	13.9	15.6	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	212	111	101	14.2	17.5	11.8	57	32	25	3.9	5.1	3.0
1997	225	115	110	14.0	15.9	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	234	120	114	14.1	16.9	12.3	41	26	15	2.7	4.3	1.7
2000	209	104	105	12.4	14.1	11.1	66	48	18	3.9	7.0	1.8
2001	213	98	115	12.2	12.4	11.8	58	28	30	3.7	4.1	3.3
2002	218	106	112	12.4	13.7	11.3	60	28	32	3.5	3.6	3.4
2003	238	120	118	12.9	14.7	11.6	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	250	144	106	11.8	15.3	9.1	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	271	143	128	12.3	14.3	10.6	74	40	34	3.6	4.5	2.9
2011	248	140	108	11.0	13.6	8.8	67	41	26	3.0	4.3	2.1
2012	252	120	132	10.7	11.5	10.2	64	38	26	2.9	3.8	2.2
2013	267	140	127	11.2	12.9	9.9	70	40	30	3.1	4.0	2.4
2014	244	142	102	9.9	12.8	7.6	71	41	30	3.1	4.0	2.4
2015	253	139	114	10.1	11.8	8.7	76	41	35	3.2	4.0	2.7
2016	257	142	115	10.0	12.0	8.3	66	37	29	2.8	3.6	2.2
2017	229	116	113	9.0	10.1	8.2	79	46	33	3.3	4.4	2.5

(Table Continues)

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	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
HISPANIC												
1988	341	185	156	12.3	14.9	10.3	64	41	23	2.5	3.6	1.7
1989	354	199	155	12.0	15.5	9.5	72	39	33	2.9	3.5	2.4
1990	354	202	152	11.5	14.6	9.1	78	43	35	2.8	3.3	2.4
1991	353	200	153	11.2	14.8	8.6	76	50	26	2.7	4.0	1.7
1992	372	211	161	11.7	15.6	8.9	92	57	35	3.0	4.1	2.2
1993	397	220	177	11.9	14.6	9.8	94	51	43	2.9	3.7	2.3
1994	392	247	145	11.3	16.6	7.4	95	58	37	3.0	4.3	2.1
1995	390	235	155	10.6	15.0	7.5	98	56	42	2.8	3.8	2.1
1996	445	273	172	11.4	16.1	7.9	86	51	35	2.4	3.3	1.8
1997	429	240	189	10.7	13.8	8.4	85	49	36	2.1	2.9	1.5
1998	507	304	203	11.9	16.7	8.5	90	54	36	2.3	3.1	1.7
1999	534	294	240	12.0	15.3	9.7	94	51	43	2.3	2.9	1.9
2000	542	320	222	11.6	16.0	8.5	102	51	51	2.2	2.6	2.0
2001	578	351	227	11.1	15.4	7.8	101	61	40	2.3	3.4	1.5
2002	606	342	264	11.3	14.4	9.0	104	56	48	2.1	2.5	1.8
2003	629	377	252	11.1	14.5	8.3	123	80	43	2.4	3.6	1.5
2004	674	370	304	11.5	14.5	9.4	115	70	45	2.1	3.0	1.5
2005	725	460	265	11.2	15.9	7.5	141	89	52	2.5	3.7	1.6
2006	706	409	297	10.7	14.2	8.1	160	89	71	2.7	3.5	2.1
2007	794	455	339	11.2	14.6	8.7	142	85	57	2.3	3.0	1.7
2008	828	504	324	11.2	15.0	8.1	157	93	64	2.3	3.0	1.8
2009	842	508	334	10.8	14.5	7.8	170	103	67	2.4	3.3	1.8
2010	888	516	372	10.8	14.2	8.1	188	120	68	2.5	3.8	1.6
2011	940	540	400	10.8	13.4	8.6	199	121	78	2.4	3.2	1.8
2012	949	555	394	10.1	13.0	7.7	208	130	78	2.5	3.5	1.7
2013	959	577	382	10.0	13.4	7.2	204	125	79	2.3	3.0	1.6
2014	1,050	621	429	10.1	12.9	7.8	212	130	82	2.3	3.2	1.7
2015	1,124	675	449	10.3	13.6	7.6	208	131	77	2.0	2.7	1.4
2016	1,178	699	479	10.4	13.5	7.9	240	142	98	2.3	3.0	1.8
2017	1,163	676	487	10.1	12.6	8.0	258	153	105	2.4	3.0	1.9

(Table Continues)

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Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE												
1988	2,952	1,613	1,339	16.6	21.5	13.2	638	333	305	3.6	4.7	2.9
1989	2,925	1,569	1,356	16.3	20.2	13.3	592	308	284	3.4	4.3	2.7
1990	2,856	1,517	1,339	15.6	19.5	12.8	627	333	294	3.5	4.4	2.8
1991	2,915	1,616	1,299	15.9	20.5	12.4	615	331	284	3.3	4.3	2.6
1992	2,835	1,523	1,312	15.3	19.2	12.4	577	310	267	3.1	4.1	2.5
1993	2,756	1,442	1,314	14.8	18.0	12.5	618	326	292	3.3	4.2	2.8
1994	2,652	1,490	1,162	14.1	18.4	10.8	658	341	317	3.5	4.4	2.9
1995	2,619	1,438	1,181	13.9	17.6	11.0	603	361	242	3.2	4.5	2.2
1996	2,672	1,463	1,209	14.1	17.6	11.3	613	355	258	3.2	4.4	2.3
1997	2,766	1,492	1,274	14.5	17.8	11.9	583	325	258	3.0	4.0	2.3
1998	2,900	1,579	1,321	15.0	18.5	12.2	558	282	276	2.9	3.3	2.4
1999	2,811	1,531	1,280	14.4	17.6	11.8	611	323	288	3.1	3.8	2.5
2000	2,800	1,553	1,247	14.2	17.7	11.3	555	321	234	2.8	3.7	2.0
2001	2,676	1,517	1,159	13.4	17.1	10.4	579	307	272	2.9	3.5	2.3
2002	2,620	1,459	1,161	13.1	16.2	10.5	590	329	261	2.9	3.7	2.2
2003	2,659	1,430	1,229	13.1	15.7	11.0	561	299	262	2.7	3.3	2.2
2004	2,468	1,361	1,107	12.1	14.8	9.8	589	335	254	2.9	3.7	2.2
2005	2,515	1,434	1,081	12.3	15.4	9.8	579	301	278	2.8	3.3	2.3
2006	2,471	1,402	1,069	12.1	15.0	9.6	565	308	257	2.7	3.4	2.1
2007	2,561	1,418	1,143	12.5	15.0	10.3	593	315	278	2.8	3.4	2.3
2008	2,541	1,379	1,162	12.2	14.4	10.4	560	301	259	2.6	3.2	2.2
2009	2,470	1,417	1,053	11.9	14.6	9.5	600	326	274	2.8	3.5	2.3
2010	2,420	1,341	1,079	11.4	13.5	9.6	610	329	281	2.8	3.4	2.3
2011	2,261	1,281	980	10.9	13.0	9.0	574	313	261	2.6	3.1	2.2
2012	2,296	1,283	1,013	10.7	12.6	9.1	624	348	276	2.8	3.5	2.3
2013	2,285	1,274	1,011	10.5	12.4	8.9	632	334	298	2.8	3.2	2.3
2014	2,325	1,328	997	10.8	12.9	8.9	618	352	266	2.7	3.4	2.2
2015	2,260	1,311	949	10.4	12.6	8.4	624	339	285	2.7	3.2	2.2
2016	2,250	1,267	983	10.3	12.1	8.6	634	354	280	2.7	3.4	2.2
2017	2,271	1,307	964	10.5	12.6	8.7	624	341	283	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, 2013-2017, Rectum and Rectosigmoid Cancer

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2013-2017			Annual Rate			Deaths 2013-2017			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
ALL RACES												
00 - 04	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	6	4	2	0.0	0.1	0.0	2	1	1	0.0	0.0	0.0
20 - 24	52	26	26	0.4	0.4	0.4	10	5	5	0.1	0.1	0.1
25 - 29	119	63	56	0.8	0.8	0.8	21	18	3	0.1	0.2	0.0
30 - 34	285	157	128	2.0	2.2	1.8	41	32	9	0.3	0.4	0.1
35 - 39	484	282	202	3.7	4.3	3.1	54	27	27	0.4	0.4	0.4
40 - 44	859	468	391	6.7	7.3	6.1	126	66	60	1.0	1.0	0.9
45 - 49	1,539	875	664	11.9	13.5	10.3	254	157	97	2.0	2.4	1.5
50 - 54	3,094	1,759	1,335	23.7	27.2	20.3	401	249	152	3.1	3.8	2.3
55 - 59	3,017	1,813	1,204	24.3	29.9	19.0	541	330	211	4.4	5.4	3.3
60 - 64	3,073	1,896	1,177	29.0	37.4	21.3	663	434	229	6.3	8.6	4.2
65 - 69	2,946	1,743	1,203	34.2	43.1	26.4	653	403	250	7.6	10.0	5.5
70 - 74	2,091	1,245	846	34.1	44.3	25.5	566	348	218	9.2	12.4	6.6
75 - 79	1,715	960	755	39.4	49.7	31.2	569	296	273	13.1	15.3	11.3
80 - 84	1,403	781	622	44.6	58.7	34.2	538	287	251	17.1	21.6	13.8
85 +	1,594	758	836	45.4	59.4	37.3	929	388	541	26.4	30.4	24.2
Total/Crude	22,277	12,830	9,447	11.4	13.3	9.6	5,368	3,041	2,327	2.8	3.1	2.4
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	3	1	0.2	0.3	0.1	2	2	0	0.1	0.2	0.0
25 - 29	19	15	4	0.8	1.3	0.3	4	4	0	0.2	0.3	0.0
30 - 34	45	27	18	1.9	2.4	1.5	5	3	2	0.2	0.3	0.2
35 - 39	93	50	43	4.2	4.8	3.6	11	5	6	0.5	0.5	0.5
40 - 44	153	85	68	6.7	8.1	5.6	20	12	8	0.9	1.1	0.7
45 - 49	251	140	111	11.8	14.3	9.8	39	20	19	1.8	2.0	1.7
50 - 54	496	275	221	24.4	29.3	20.2	54	38	16	2.7	4.0	1.5
55 - 59	448	286	162	23.3	32.8	15.5	86	54	32	4.5	6.2	3.1
60 - 64	514	309	205	30.4	40.8	21.9	99	56	43	5.9	7.4	4.6
65 - 69	504	307	197	37.1	50.9	26.1	85	64	21	6.3	10.6	2.8
70 - 74	312	194	118	33.4	46.8	22.7	72	42	30	7.7	10.1	5.8
75 - 79	269	150	119	38.6	49.6	30.1	69	39	30	9.9	12.9	7.6
80 - 84	245	129	116	49.3	63.3	39.6	65	30	35	13.1	14.7	11.9
85 +	231	117	114	45.1	61.6	35.4	104	42	62	20.3	22.1	19.3
Total/Crude	3,586	2,089	1,497	12.2	15.0	9.7	715	411	304	2.4	2.9	2.0

(Table Continues)

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

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

Note: In situ cancers are excluded, unless specified.

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

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

Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, Rectum and Rectosigmoid Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2013-2017			Annual Rate			Deaths 2013-2017			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC BLACK												
00 - 04	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	3	2	1	0.3	0.4	0.2	1	0	1	0.1	0.0	0.2
25 - 29	6	4	2	0.6	0.8	0.4	0	0	0	0.0	0.0	0.0
30 - 34	20	15	5	2.4	3.5	1.2	5	5	0	0.6	1.2	0.0
35 - 39	24	12	12	3.1	3.1	3.1	4	2	2	0.5	0.5	0.5
40 - 44	44	19	25	5.9	5.1	6.7	9	4	5	1.2	1.1	1.3
45 - 49	91	52	39	11.2	12.8	9.5	20	13	7	2.5	3.2	1.7
50 - 54	180	89	91	20.7	20.8	20.7	27	15	12	3.1	3.5	2.7
55 - 59	209	121	88	25.7	30.5	21.1	39	19	20	4.8	4.8	4.8
60 - 64	174	108	66	27.1	35.7	19.4	47	29	18	7.3	9.6	5.3
65 - 69	169	84	85	35.0	38.7	32.0	53	35	18	11.0	16.1	6.8
70 - 74	123	62	61	37.1	43.2	32.4	38	26	12	11.5	18.1	6.4
75 - 79	82	51	31	33.7	49.5	22.1	48	24	24	19.7	23.3	17.1
80 - 84	76	39	37	47.3	61.2	38.2	35	14	21	21.8	22.0	21.7
85 +	49	21	28	31.6	41.8	26.7	35	19	16	22.6	37.8	15.3
Total/Crude	1,250	679	571	10.3	11.3	9.4	362	205	157	3.0	3.4	2.6
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	20	10	10	0.3	0.3	0.3	2	2	0	0.0	0.1	0.0
25 - 29	51	23	28	0.8	0.7	0.9	9	7	2	0.1	0.2	0.1
30 - 34	92	47	45	1.6	1.6	1.6	18	12	6	0.3	0.4	0.2
35 - 39	175	102	73	3.2	3.6	2.7	19	10	9	0.4	0.4	0.3
40 - 44	287	154	133	5.5	5.9	5.1	48	22	26	0.9	0.8	1.0
45 - 49	492	286	206	10.3	11.8	8.7	80	53	27	1.7	2.2	1.1
50 - 54	906	527	379	21.9	25.4	18.3	112	74	38	2.7	3.6	1.8
55 - 59	792	471	321	23.5	28.6	18.6	150	99	51	4.5	6.0	3.0
60 - 64	763	482	281	30.4	40.4	21.3	167	118	49	6.7	9.9	3.7
65 - 69	647	411	236	36.4	50.2	24.6	124	75	49	7.0	9.2	5.1
70 - 74	431	272	159	36.0	51.9	23.6	96	67	29	8.0	12.8	4.3
75 - 79	328	182	146	39.3	51.9	30.2	88	39	49	10.5	11.1	10.1
80 - 84	233	139	94	40.1	59.4	27.1	76	43	33	13.1	18.4	9.5
85 +	255	141	114	44.4	66.8	31.3	132	59	73	23.0	27.9	20.1
Total/Crude	5,474	3,248	2,226	7.2	8.5	5.9	1,122	681	441	1.5	1.8	1.2

(Table Continues)

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

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

Note: In situ cancers are excluded, unless specified.

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

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

Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, Rectum and Rectosigmoid Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 2013-2017			Annual Rate			Deaths 2013-2017			Annual Rate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
NON-HISPANIC WHITE												
00 - 04	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	0.0	0.1	0	0	0	0.0	0.0	0.0
20 - 24	21	11	10	0.5	0.5	0.5	5	1	4	0.1	0.0	0.2
25 - 29	37	18	19	0.7	0.7	0.8	8	7	1	0.2	0.3	0.0
30 - 34	116	62	54	2.3	2.4	2.2	13	12	1	0.3	0.5	0.0
35 - 39	189	117	72	4.2	5.0	3.3	19	10	9	0.4	0.4	0.4
40 - 44	349	199	150	7.7	8.5	6.8	47	27	20	1.0	1.2	0.9
45 - 49	676	373	303	13.1	14.2	12.0	115	71	44	2.2	2.7	1.7
50 - 54	1,383	796	587	23.3	26.6	20.0	205	121	84	3.5	4.0	2.9
55 - 59	1,477	888	589	23.8	28.5	19.0	261	155	106	4.2	5.0	3.4
60 - 64	1,534	939	595	27.0	33.7	20.6	343	224	119	6.0	8.0	4.1
65 - 69	1,544	894	650	31.3	37.5	25.5	390	229	161	7.9	9.6	6.3
70 - 74	1,186	694	492	32.7	40.6	25.6	355	209	146	9.8	12.2	7.6
75 - 79	1,006	563	443	39.4	48.3	31.9	358	191	167	14.0	16.4	12.0
80 - 84	829	462	367	43.7	56.1	34.2	359	198	161	18.9	24.1	15.0
85 +	1,042	470	572	46.1	57.4	39.7	654	265	389	29.0	32.4	27.0
Total/Crude	11,391	6,487	4,904	14.8	16.9	12.7	3,132	1,720	1,412	4.1	4.5	3.7

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

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

Note: In situ cancers are excluded, unless specified.

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

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

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	419	1.6
1995	1,007	3.8	789	3.0	712	2.7	527	2.0	454	1.7
1996	1,044	3.9	826	3.1	741	2.7	511	1.9	482	1.8
1997	1,121	4.1	798	2.9	770	2.8	500	1.8	526	1.9
1998	1,242	4.4	856	3.0	821	2.9	602	2.1	428	1.5
1999	1,221	4.2	843	2.9	828	2.8	559	1.9	502	1.7
2000	1,242	4.2	843	2.9	843	2.8	550	1.8	469	1.6
2001	1,142	3.8	813	2.7	886	2.9	534	1.8	518	1.7
2002	1,095	3.5	802	2.6	841	2.7	611	2.0	526	1.7
2003	1,148	3.6	804	2.6	838	2.6	606	1.9	551	1.7
2004	989	3.1	703	2.2	832	2.5	637	2.0	613	1.9
2005	973	3.0	771	2.3	881	2.6	648	2.0	594	1.8
2006	975	2.9	759	2.3	868	2.5	672	2.0	630	1.8
2007	1,041	3.1	788	2.3	935	2.7	675	1.9	670	1.9
2008	1,046	3.0	732	2.1	930	2.6	656	1.8	741	2.1
2009	1,000	2.8	734	2.1	933	2.5	716	2.0	766	2.1
2010	1,165	3.1	788	2.1	982	2.6	695	1.9	515	1.4
2011	1,108	2.9	734	1.9	1,030	2.7	705	1.8	468	1.2
2012	1,150	2.9	748	1.9	1,081	2.7	691	1.8	447	1.1
2013	1,071	2.6	749	1.9	1,042	2.6	803	2.0	474	1.2
2014	1,084	2.6	777	1.9	1,186	2.9	778	1.9	484	1.2
2015	1,103	2.6	729	1.7	1,204	2.9	765	1.8	509	1.2
2016	973	2.2	670	1.5	1,259	2.9	821	1.9	762	1.8
2017	896	2.0	637	1.5	1,319	3.0	812	1.9	834	1.9

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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, ASIAN/PACIFIC ISLANDER										
1994	86	4.0	73	3.2	82	3.3	57	2.6	55	2.5
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	115	4.0	72	2.5	82	2.6	57	1.8	57	1.9
1999	124	4.0	100	3.3	96	3.1	49	1.5	57	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	68	2.0
2002	117	3.3	95	2.5	139	3.7	70	2.0	84	2.3
2003	144	3.8	94	2.5	98	2.4	72	1.9	79	2.0
2004	107	2.8	94	2.4	118	2.8	95	2.3	85	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	107	2.3
2007	148	3.2	107	2.3	132	2.8	95	2.0	136	2.8
2008	121	2.5	102	2.2	139	2.8	93	1.9	122	2.4
2009	136	2.7	96	1.9	159	3.1	91	1.7	140	2.7
2010	182	3.4	124	2.4	143	2.7	108	2.0	93	1.8
2011	182	3.2	128	2.3	173	3.1	98	1.7	90	1.6
2012	205	3.4	125	2.2	152	2.6	84	1.5	85	1.5
2013	187	3.1	115	1.9	169	2.7	117	1.9	69	1.2
2014	186	2.9	111	1.8	198	3.0	123	1.9	94	1.4
2015	184	2.7	106	1.6	184	2.8	117	1.8	97	1.4
2016	179	2.5	98	1.4	227	3.3	119	1.7	116	1.7
2017	144	2.0	115	1.6	219	3.0	115	1.6	105	1.5

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	45	3.0
1995	53	3.7	42	2.7	44	3.1	27	1.8	49	3.3
1996	51	3.4	44	3.0	32	2.0	30	2.1	47	3.1
1997	38	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	40	2.5	49	3.0	43	2.6	38	2.2	57	3.4
2000	47	2.8	41	2.6	45	2.7	35	2.0	33	1.8
2001	45	2.6	35	2.0	44	2.5	34	1.9	46	2.7
2002	47	2.7	41	2.5	46	2.6	31	1.7	47	2.5
2003	58	3.3	41	2.3	39	2.0	40	2.0	57	3.2
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	51	2.4	79	3.5
2010	58	2.6	43	2.0	56	2.5	54	2.4	51	2.2
2011	73	3.2	39	1.7	44	2.0	34	1.5	45	2.1
2012	71	3.0	35	1.4	50	2.0	46	2.0	40	1.8
2013	82	3.4	35	1.5	53	2.3	54	2.1	37	1.6
2014	64	2.5	34	1.4	64	2.7	47	1.9	29	1.1
2015	70	2.8	37	1.6	62	2.4	42	1.7	34	1.4
2016	72	2.8	29	1.1	52	2.0	48	1.8	56	2.2
2017	54	2.0	23	0.9	54	2.2	44	1.7	53	2.0

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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, HISPANIC										
1994	99	2.8	91	2.7	82	2.3	64	1.9	46	1.3
1995	92	2.5	92	2.6	88	2.3	54	1.5	52	1.4
1996	90	2.5	108	2.7	88	2.2	68	1.8	75	1.8
1997	105	2.7	102	2.5	95	2.3	56	1.4	56	1.4
1998	125	2.9	110	2.8	128	2.9	73	1.7	56	1.3
1999	133	3.2	108	2.4	109	2.4	97	2.1	75	1.7
2000	151	3.4	114	2.6	119	2.4	80	1.6	64	1.3
2001	140	2.8	117	2.3	133	2.4	102	2.0	71	1.4
2002	154	2.9	109	2.2	131	2.4	111	2.1	86	1.5
2003	140	2.6	130	2.4	141	2.3	99	1.6	103	1.8
2004	149	2.8	122	2.2	145	2.2	93	1.5	138	2.4
2005	141	2.3	137	2.2	161	2.4	122	1.9	137	2.0
2006	151	2.4	127	2.0	141	2.0	136	2.0	126	2.0
2007	143	2.1	139	2.2	176	2.3	127	1.7	166	2.2
2008	191	2.6	130	1.9	192	2.6	126	1.6	159	2.1
2009	174	2.4	147	2.0	173	2.2	153	1.8	171	2.1
2010	216	2.6	178	2.2	208	2.5	141	1.6	109	1.4
2011	232	2.7	156	1.8	227	2.5	177	1.9	114	1.4
2012	241	2.6	165	1.8	234	2.4	181	1.9	94	1.0
2013	222	2.3	179	2.0	222	2.2	190	1.9	122	1.3
2014	220	2.1	190	1.9	289	2.8	200	1.9	124	1.2
2015	277	2.5	203	1.9	295	2.7	183	1.6	135	1.3
2016	220	1.9	157	1.5	322	2.7	228	2.0	229	2.1
2017	219	1.9	163	1.4	331	2.9	207	1.8	232	2.0

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	821	4.3	597	3.2	523	2.8	380	2.0	261	1.4
1995	767	4.1	601	3.2	494	2.6	390	2.1	292	1.5
1996	790	4.1	600	3.2	537	2.9	369	2.0	292	1.5
1997	871	4.5	580	3.0	521	2.8	365	1.9	337	1.8
1998	930	4.8	629	3.2	563	2.9	433	2.2	263	1.4
1999	912	4.6	585	3.0	572	3.0	373	1.9	292	1.5
2000	911	4.6	592	3.0	567	2.9	359	1.8	292	1.5
2001	836	4.2	547	2.7	576	2.9	328	1.6	321	1.6
2002	770	3.8	549	2.7	520	2.6	397	2.0	297	1.5
2003	797	3.9	535	2.6	556	2.8	393	2.0	288	1.4
2004	671	3.3	436	2.1	510	2.5	401	2.0	319	1.6
2005	667	3.3	496	2.4	531	2.7	405	2.0	289	1.4
2006	630	3.1	478	2.4	522	2.6	402	2.0	314	1.5
2007	690	3.3	490	2.4	567	2.9	404	2.0	282	1.4
2008	661	3.2	461	2.2	546	2.7	392	1.9	351	1.7
2009	630	3.0	441	2.2	547	2.7	412	2.0	346	1.6
2010	685	3.2	430	2.0	573	2.7	387	1.9	222	1.0
2011	598	2.8	402	1.9	579	2.9	390	1.9	192	0.9
2012	608	2.8	416	1.9	630	3.0	375	1.8	190	0.8
2013	556	2.5	415	1.9	587	2.8	434	2.1	215	1.0
2014	587	2.7	435	2.0	620	3.0	401	1.9	202	0.9
2015	549	2.5	377	1.7	648	3.1	413	1.9	206	0.9
2016	475	2.2	376	1.7	648	3.1	421	1.9	295	1.3
2017	458	2.1	325	1.5	693	3.3	430	2.0	332	1.4

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	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	239	2.1
1996	563	4.8	460	3.9	422	3.5	308	2.6	259	2.2
1997	626	5.2	418	3.5	417	3.4	293	2.4	290	2.5
1998	691	5.7	460	3.7	470	3.7	360	2.8	215	1.8
1999	663	5.2	463	3.6	472	3.6	313	2.4	245	1.9
2000	682	5.3	465	3.6	477	3.6	321	2.4	255	2.0
2001	643	4.9	478	3.6	502	3.6	320	2.3	258	1.9
2002	622	4.5	435	3.2	473	3.4	362	2.6	267	1.9
2003	627	4.5	445	3.2	471	3.2	337	2.3	279	2.0
2004	532	3.7	389	2.8	461	3.1	377	2.5	321	2.2
2005	554	3.8	463	3.1	503	3.3	409	2.7	300	1.9
2006	569	3.8	437	2.9	475	3.0	372	2.4	351	2.2
2007	586	3.9	437	2.9	535	3.3	390	2.4	345	2.2
2008	575	3.6	421	2.7	523	3.2	386	2.3	388	2.4
2009	582	3.5	416	2.6	561	3.3	414	2.4	386	2.3
2010	615	3.6	430	2.5	541	3.1	435	2.5	276	1.6
2011	609	3.5	406	2.3	589	3.3	447	2.5	244	1.4
2012	600	3.3	443	2.4	616	3.3	399	2.2	229	1.3
2013	581	3.1	432	2.3	632	3.3	491	2.6	234	1.3
2014	599	3.1	449	2.3	720	3.7	465	2.4	266	1.4
2015	636	3.1	443	2.2	706	3.6	442	2.2	293	1.5
2016	528	2.6	377	1.9	726	3.6	511	2.5	424	2.1
2017	486	2.3	376	1.8	780	3.8	489	2.4	440	2.1

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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, ASIAN/PACIFIC ISLANDER										
1994	47	4.6	43	4.1	47	4.1	34	3.2	26	2.5
1995	53	5.0	33	3.1	43	3.7	26	2.4	27	2.5
1996	57	4.9	44	4.0	48	4.1	28	2.4	37	3.1
1997	60	5.1	41	3.7	60	4.9	29	2.3	44	3.7
1998	61	5.0	36	2.7	55	3.8	37	2.7	29	2.2
1999	64	4.7	57	4.1	64	4.9	29	2.1	31	2.4
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	32	2.0
2002	67	4.2	52	3.1	74	4.3	40	2.4	53	3.3
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	47	2.6
2005	56	3.1	66	3.5	68	3.6	49	2.4	45	2.4
2006	79	4.2	64	3.3	82	3.9	58	2.9	64	3.1
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	54	2.5	57	2.4
2009	71	3.2	52	2.4	96	4.2	57	2.4	69	3.0
2010	85	3.6	72	3.1	68	2.9	67	2.8	59	2.4
2011	94	3.8	75	3.2	102	4.1	60	2.3	47	2.0
2012	108	4.1	72	2.8	88	3.3	48	1.9	43	1.8
2013	109	4.0	63	2.3	107	3.9	73	2.7	42	1.6
2014	111	3.9	66	2.4	113	3.8	72	2.5	55	2.0
2015	102	3.3	75	2.5	102	3.5	65	2.2	52	1.7
2016	110	3.5	54	1.8	132	4.3	72	2.3	58	1.9
2017	79	2.4	67	2.1	123	3.8	69	2.2	55	1.8

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	21	3.4
1995	26	4.2	19	2.7	25	4.1	21	3.1	33	5.2
1996	26	4.3	21	3.3	19	3.1	18	2.9	24	3.4
1997	22	3.3	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	25	3.3	20	2.4	13	-
2001	21	2.8	19	2.4	20	2.4	15	1.7	20	2.6
2002	28	3.6	15	2.0	20	2.5	19	2.5	21	2.6
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	28	3.0	33	3.5
2010	27	2.8	18	2.1	34	3.4	35	3.1	25	2.4
2011	33	3.0	24	2.3	26	2.7	25	2.5	23	2.3
2012	29	2.8	20	1.9	25	2.2	25	2.4	15	1.5
2013	35	3.1	22	2.2	28	2.8	35	2.8	19	1.8
2014	30	2.5	26	2.4	36	3.6	29	2.6	17	1.4
2015	33	2.9	16	1.4	41	3.5	26	2.1	19	1.6
2016	37	3.2	16	1.5	25	2.2	29	2.3	35	2.9
2017	17	1.3	14	-	35	3.0	25	2.3	24	2.1

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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, HISPANIC										
1994	57	3.9	62	4.3	54	3.6	43	2.8	24	1.6
1995	53	3.3	56	4.1	49	2.9	40	2.5	28	1.6
1996	50	3.2	61	3.3	55	3.2	51	3.3	45	2.4
1997	55	3.1	60	3.5	52	2.8	32	1.9	31	1.9
1998	76	4.5	69	4.2	71	3.6	45	2.3	32	1.6
1999	75	4.2	60	3.2	59	2.7	56	2.8	40	2.2
2000	80	4.3	65	3.6	82	3.8	47	2.2	36	1.6
2001	81	3.7	70	3.1	92	3.7	67	3.2	30	1.2
2002	86	3.6	67	3.0	76	3.2	65	2.5	39	1.7
2003	79	3.3	77	3.2	90	3.3	61	2.0	62	2.4
2004	81	3.7	69	2.6	73	2.5	58	2.1	75	3.1
2005	91	3.6	89	3.3	102	3.4	84	2.8	75	2.2
2006	85	3.2	78	2.9	74	2.4	77	2.5	78	2.6
2007	89	3.1	76	2.8	104	3.1	74	2.2	84	2.5
2008	117	3.6	77	2.5	114	3.4	83	2.4	93	2.6
2009	106	3.3	84	2.4	121	3.4	96	2.6	85	2.4
2010	120	3.5	104	2.9	122	3.2	92	2.3	58	1.8
2011	123	3.2	85	2.2	134	3.2	122	2.8	60	1.5
2012	132	3.2	96	2.3	135	3.1	118	2.7	52	1.2
2013	139	3.2	102	2.5	143	3.3	127	2.9	57	1.3
2014	118	2.4	108	2.3	182	3.8	125	2.5	75	1.5
2015	166	3.3	127	2.7	171	3.3	113	2.1	86	1.9
2016	114	2.3	80	1.7	202	3.8	149	2.8	140	2.8
2017	108	1.9	98	1.8	211	4.0	116	2.2	136	2.6

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	341	4.2	294	3.5	227	2.8	139	1.9
1995	422	5.1	324	4.0	282	3.4	216	2.6	148	1.9
1996	425	5.1	332	4.0	298	3.6	211	2.5	147	1.9
1997	484	5.7	292	3.5	275	3.3	213	2.5	185	2.3
1998	509	6.0	326	3.8	319	3.7	249	2.9	131	1.6
1999	494	5.6	320	3.7	328	3.7	204	2.3	135	1.6
2000	511	5.8	326	3.7	311	3.5	211	2.4	157	1.8
2001	471	5.4	316	3.5	324	3.6	193	2.2	169	2.0
2002	436	4.8	299	3.3	300	3.3	236	2.6	147	1.6
2003	435	4.8	291	3.2	304	3.3	206	2.3	140	1.6
2004	357	3.9	240	2.7	286	3.0	239	2.6	168	1.9
2005	379	4.1	289	3.1	306	3.3	248	2.7	142	1.5
2006	370	4.0	270	3.0	294	3.1	211	2.2	172	1.8
2007	377	4.0	274	2.9	318	3.4	237	2.5	147	1.5
2008	339	3.5	265	2.7	298	3.1	221	2.3	185	2.0
2009	374	3.8	256	2.7	316	3.3	228	2.4	184	1.9
2010	372	3.7	235	2.3	316	3.2	239	2.4	112	1.1
2011	349	3.5	217	2.2	324	3.3	236	2.4	101	1.0
2012	318	3.1	254	2.5	362	3.5	203	2.0	96	1.0
2013	284	2.7	240	2.3	349	3.4	252	2.5	99	1.0
2014	327	3.2	245	2.3	379	3.8	235	2.3	99	1.0
2015	320	3.0	221	2.1	384	3.8	234	2.3	118	1.1
2016	252	2.3	221	2.1	360	3.5	258	2.5	155	1.5
2017	269	2.5	189	1.8	396	3.9	266	2.6	168	1.5

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	203	1.4
1995	452	3.0	353	2.3	311	2.1	222	1.5	215	1.4
1996	481	3.2	366	2.4	319	2.1	203	1.3	223	1.5
1997	495	3.2	380	2.4	353	2.3	207	1.3	236	1.5
1998	551	3.5	396	2.5	351	2.2	242	1.5	213	1.3
1999	558	3.5	380	2.4	356	2.2	246	1.5	257	1.6
2000	560	3.4	378	2.3	366	2.2	229	1.4	214	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	249	1.4	259	1.5
2003	521	3.0	359	2.0	367	2.1	269	1.5	272	1.5
2004	457	2.5	314	1.7	371	2.1	260	1.5	292	1.6
2005	419	2.3	308	1.7	378	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	400	2.2	285	1.5	325	1.7
2008	471	2.5	311	1.6	407	2.1	270	1.4	353	1.8
2009	418	2.1	318	1.7	372	1.9	302	1.5	380	1.9
2010	550	2.7	358	1.8	441	2.2	260	1.3	239	1.2
2011	499	2.4	328	1.6	441	2.2	258	1.3	224	1.1
2012	550	2.6	305	1.5	465	2.3	292	1.4	218	1.0
2013	490	2.3	317	1.5	410	1.9	312	1.5	240	1.1
2014	485	2.2	328	1.5	466	2.1	313	1.5	218	1.0
2015	467	2.1	286	1.3	498	2.3	323	1.4	216	0.9
2016	445	2.0	293	1.3	533	2.4	310	1.4	338	1.5
2017	410	1.8	261	1.1	539	2.4	323	1.4	394	1.7

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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, ASIAN/PACIFIC ISLANDER										
1994	39	3.5	30	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	19	1.3
1997	37	2.4	25	1.6	40	2.5	16	0.9	28	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	36	2.0
2002	50	2.6	43	2.1	65	3.2	30	1.6	31	1.6
2003	62	2.9	41	1.9	47	2.1	29	1.3	35	1.5
2004	43	2.0	42	1.9	54	2.4	42	1.8	38	1.6
2005	54	2.3	42	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	44	1.7	68	2.5
2008	45	1.7	42	1.6	61	2.2	39	1.4	65	2.3
2009	65	2.3	44	1.6	63	2.2	34	1.2	71	2.4
2010	97	3.3	52	1.8	75	2.6	41	1.4	34	1.2
2011	88	2.8	53	1.7	71	2.3	38	1.2	43	1.4
2012	97	2.9	53	1.6	64	2.0	36	1.1	42	1.3
2013	78	2.3	52	1.5	62	1.8	44	1.3	27	0.8
2014	75	2.1	45	1.3	85	2.4	51	1.4	39	1.0
2015	82	2.2	31	0.9	82	2.3	52	1.5	45	1.2
2016	69	1.8	44	1.1	95	2.5	47	1.2	58	1.5
2017	65	1.6	48	1.2	96	2.4	46	1.2	50	1.3

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	-	24	2.8
1995	27	3.3	23	2.7	19	2.3	6	-	16	1.9
1996	25	2.9	23	2.8	13	-	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	-	21	2.5
1999	18	2.0	24	2.7	27	2.8	14	-	26	2.8
2000	24	2.5	19	2.1	20	2.1	15	1.6	20	2.0
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	-	26	2.5
2003	30	3.0	20	2.0	15	1.4	15	1.4	37	3.7
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	31	2.5	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	47	3.6	13	-	25	2.1	19	1.4	18	1.4
2014	34	2.5	8	-	28	2.1	18	1.4	12	-
2015	37	2.8	21	1.7	21	1.5	16	1.2	15	1.2
2016	35	2.5	13	-	27	1.9	19	1.4	21	1.6
2017	37	2.7	9	-	19	1.6	19	1.2	29	2.0

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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, HISPANIC										
1994	42	2.1	29	1.5	28	1.4	21	1.1	22	1.1
1995	39	1.9	36	1.7	39	1.9	14	-	24	1.2
1996	40	1.9	47	2.2	33	1.5	17	0.7	30	1.3
1997	50	2.4	42	1.8	43	1.8	24	1.0	25	1.1
1998	49	1.9	41	1.8	57	2.3	28	1.2	24	1.0
1999	58	2.4	48	1.9	50	2.0	41	1.6	35	1.4
2000	71	2.7	49	2.0	37	1.3	33	1.2	28	1.1
2001	59	2.1	47	1.7	41	1.3	35	1.1	41	1.5
2002	68	2.4	42	1.5	55	1.7	46	1.6	47	1.5
2003	61	2.1	53	1.8	51	1.5	38	1.2	41	1.3
2004	68	2.2	53	1.8	72	2.0	35	1.1	63	1.9
2005	50	1.4	48	1.4	59	1.6	38	1.1	62	1.8
2006	66	1.9	49	1.3	67	1.7	59	1.5	48	1.5
2007	54	1.4	63	1.7	72	1.8	53	1.3	82	2.0
2008	74	1.9	53	1.4	78	1.9	43	1.0	66	1.6
2009	68	1.6	63	1.6	52	1.2	57	1.2	86	1.9
2010	96	2.0	74	1.6	86	1.9	49	1.1	51	1.1
2011	109	2.4	71	1.5	93	1.9	55	1.2	54	1.2
2012	109	2.2	69	1.3	99	1.9	63	1.2	42	0.8
2013	83	1.6	77	1.5	79	1.4	63	1.2	65	1.3
2014	102	1.8	82	1.5	107	1.9	75	1.3	49	0.9
2015	111	1.8	76	1.3	124	2.2	70	1.2	49	0.8
2016	106	1.7	77	1.3	120	1.9	79	1.4	89	1.5
2017	111	1.8	65	1.1	120	1.9	91	1.5	96	1.6

(Table Continues)

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Sex, Year, Stage at Diagnosis, and Race/Ethnicity, California, 1994-2017, 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	363	3.3	256	2.4	229	2.2	153	1.4	122	1.1
1995	345	3.2	277	2.6	212	2.0	174	1.6	144	1.3
1996	365	3.4	268	2.5	239	2.3	158	1.5	145	1.3
1997	387	3.6	288	2.6	246	2.4	152	1.4	152	1.4
1998	421	3.9	303	2.7	244	2.3	184	1.7	132	1.2
1999	418	3.8	265	2.4	244	2.3	169	1.6	157	1.4
2000	400	3.6	266	2.4	256	2.4	148	1.4	135	1.2
2001	365	3.3	231	2.0	252	2.3	135	1.2	152	1.4
2002	334	3.0	250	2.2	220	2.0	161	1.5	150	1.4
2003	362	3.2	244	2.2	252	2.3	187	1.7	148	1.3
2004	314	2.8	196	1.7	224	2.1	162	1.5	151	1.3
2005	288	2.7	207	1.8	225	2.1	157	1.4	147	1.2
2006	260	2.3	208	1.8	228	2.1	191	1.7	142	1.2
2007	313	2.8	216	1.9	249	2.4	167	1.6	135	1.2
2008	322	2.9	196	1.7	248	2.3	171	1.6	166	1.4
2009	256	2.3	185	1.7	231	2.2	184	1.7	162	1.4
2010	313	2.8	195	1.8	257	2.3	148	1.3	110	0.9
2011	249	2.3	185	1.7	255	2.5	154	1.4	91	0.7
2012	290	2.5	162	1.4	268	2.6	172	1.6	94	0.8
2013	272	2.3	175	1.5	238	2.2	182	1.7	116	0.9
2014	260	2.2	190	1.8	241	2.2	166	1.6	103	0.8
2015	229	2.1	156	1.4	264	2.5	179	1.5	88	0.7
2016	223	2.1	155	1.3	288	2.7	163	1.4	140	1.1
2017	189	1.7	136	1.2	297	2.8	164	1.5	164	1.3

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

Source: California Cancer Registry (December 2019).

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 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th edition. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Risk (Percent) of Being Diagnosed with Invasive Cancer within the Next 10, 20, or 30 Years, or in the Remaining Lifetime, Assuming Cancer Free at Current Age, and Lifetime Risk of Being Diagnosed with or Dying of Cancer by Race/Ethnicity and Sex, 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	0.97
25	0.02	0.07	0.26	1.33	0.01	0.06	0.20	0.98
35	0.06	0.25	0.54	1.33	0.05	0.19	0.37	0.97
45	0.19	0.49	0.82	1.30	0.14	0.33	0.54	0.93
55	0.31	0.66	0.96	1.15	0.19	0.41	0.63	0.81
65	0.38	0.71	-	0.92	0.23	0.47	-	0.65
	Lifetime Risk of Being Diagnosed = 1.31%				Lifetime Risk of Being Diagnosed = 0.97%			
	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	1.68	0.00	0.00	0.00	1.11
25	0.02	0.08	0.28	1.70	0.01	0.05	0.19	1.12
35	0.06	0.27	0.60	1.70	0.05	0.18	0.36	1.11
45	0.21	0.55	0.95	1.65	0.14	0.32	0.53	1.08
55	0.35	0.76	1.14	1.48	0.18	0.40	0.66	0.95
65	0.44	0.84	-	1.20	0.23	0.50	-	0.80
	Lifetime Risk of Being Diagnosed = 1.68%				Lifetime Risk of Being Diagnosed = 1.11%			
	Lifetime Risk of Dying of Cancer = 0.42%				Lifetime Risk of Dying of Cancer = 0.33%			
NON-HISPANIC BLACK								
0	0.00	0.00	0.01	0.99	0.00	0.00	0.00	0.82
25	0.02	0.06	0.21	1.02	0.01	0.06	0.19	0.84
35	0.04	0.19	0.46	1.02	0.05	0.18	0.37	0.84
45	0.15	0.43	0.69	1.01	0.14	0.32	0.55	0.81
55	0.29	0.57	0.81	0.92	0.20	0.43	0.60	0.70
65	0.33	0.62	-	0.74	0.27	0.45	-	0.56
	Lifetime Risk of Being Diagnosed = 0.99%				Lifetime Risk of Being Diagnosed = 0.82%			
	Lifetime Risk of Dying of Cancer = 0.38%				Lifetime Risk of Dying of Cancer = 0.29%			
HISPANIC								
0	0.00	0.00	0.01	1.46	0.00	0.00	0.01	0.92
25	0.01	0.06	0.23	1.49	0.01	0.05	0.18	0.93
35	0.05	0.22	0.53	1.49	0.04	0.17	0.35	0.92
45	0.18	0.49	0.87	1.47	0.13	0.31	0.52	0.89
55	0.32	0.72	1.06	1.34	0.19	0.40	0.60	0.78
65	0.44	0.80	-	1.11	0.22	0.43	-	0.62
	Lifetime Risk of Being Diagnosed = 1.46%				Lifetime Risk of Being Diagnosed = 0.92%			
	Lifetime Risk of Dying of Cancer = 0.39%				Lifetime Risk of Dying of Cancer = 0.28%			
NON-HISPANIC WHITE								
0	0.00	0.00	0.01	1.21	0.00	0.00	0.01	0.95
25	0.02	0.08	0.27	1.22	0.01	0.07	0.21	0.96
35	0.07	0.25	0.52	1.22	0.05	0.20	0.38	0.95
45	0.19	0.46	0.76	1.18	0.15	0.33	0.54	0.91
55	0.29	0.59	0.88	1.03	0.19	0.40	0.62	0.78
65	0.34	0.65	-	0.83	0.23	0.46	-	0.63
	Lifetime Risk of Being Diagnosed = 1.21%				Lifetime Risk of Being Diagnosed = 0.95%			
	Lifetime Risk of Dying of Cancer = 0.38%				Lifetime Risk of Dying of Cancer = 0.33%			

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

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

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

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

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