

## Colorectal Cancer: % Diagnosed Advanced Stage and PIRs for MSSAs within San Diego County, 2007-2011

Study Results								Demographics				
MSSA ID	% Advanced	Total	Advanced	Advanced	Excess	PIR	95% C.I.	2010 Pop.	Poverty (%)	Race (%)	Hispanic Ethnicity (%)	
MSSA Description	Stage	Cases	Observed	Expected	Advanced							
152 Borrego Springs/ Cuyamaca/ Julian/Kentwood in the Pines/Laguna/Ocotillo Wells/Palomar/Pine Valley/Warner Springs	63	19	12	9.9	2.1	121.2	80.1- 183.3	9,436	Pov100 10.3 Pov200 25.4	White 92 Black 0.5 Am. Ind. 6.2 Other/Multi 7.8 Asian/PI 3	15.5	
153.1 Pala/Pauma Valley		<15 cases See note.						6,998	Pov100 10.5 Pov200 33.7	White 72 Black 1.7 Am. Ind. 15 Other/Multi 14 Asian/PI 4.9	33.7	
153.2 Rincon/San Pasqual/Valley Center	46	28	13	14.6	-1.6	89	53.4- 148.6	15,826	Pov100 5.8 Pov200 16.5	White 81.2 Black 0.6 Am. Ind. 7.9 Other/Multi 14.1 Asian/PI 5.3	24.8	
154 Barona/Moreno		<15 cases See note.						2,328	Pov100 6.1 Pov200 15.2	White 72.7 Black 1.4 Am. Ind. 21.1 Other/Multi 6.1 Asian/PI 2.5	12.3	
155 Alpine/Blossom Valley/Crest/Descanso/ Glen Oaks/Harbison Canyon/Japatul/ Palo Verde	60	72	43	37.5	5.5	114.7	89.5- 146.9	31,733	Pov100 6 Pov200 19.4	White 93.4 Black 1.5 Am. Ind. 2.1 Other/Multi 7 Asian/PI 3	13.8	

MSSA ID	% Advanced	Total	Advanced	Advanced	Excess	PIR	95% C.I.	2010	Poverty (%)	Race (%)	Hispanic
MSSA Description	Stage	Cases	Observed	Expected	Advanced			Pop.			Ethnicity (%)
156a Encinitas Central/Leucadia/ Oceanside North and West/San Luis Rey/South Oceanside	55	198	108	103.8	4.2	104	88.2- 122.7	109,294	Pov100 13.4 Pov200 34.3	White 70 Black 5.2 Am. Ind. 1.7 Other/Multi 25 Asian/PI 9	39.4
156b Carlsbad East/ Encinitas East/ Oceanside East	51	192	97	100.9	-3.9	96.1	80.1- 115.4	105,942	Pov100 6.2 Pov200 16.9	White 81.7 Black 3.3 Am. Ind. 1.1 Other/Multi 12.6 Asian/PI 9.8	17.5
156c Cardiff by the Sea/Eden Gardens/Harmony Grove/La Costa/Ocean Hills/Lomas Santa Fe/Olivehain/Rancho Santa Fe/San Marcos South/Solana Beach/Vista South	57	253	143	132.9	10.1	107.6	93.5- 123.8	145,988	Pov100 7.1 Pov200 16.6	White 88 Black 2.1 Am. Ind. 0.8 Other/Multi 7 Asian/PI 8.6	13.3
156d Oceanside East/ San Marcos West/ Vista	58	161	94	84.9	9.1	110.7	93.4- 131.3	121,789	Pov100 13.2 Pov200 37.1	White 73.9 Black 3.4 Am. Ind. 1.9 Other/Multi 22.4 Asian/PI 6.3	48.1
156e Escondido Central and South/San Marcos Central and East	54	170	91	89	2	102.2	85.1- 122.9	128,696	Pov100 17.1 Pov200 47.8	White 79.8 Black 2.7 Am. Ind. 1.6 Other/Multi 14.4 Asian/PI 6.2	54.1

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MSSA Description	Stage	Cases	Observed	Expected	Advanced			Pop.	Pov100	Pov200			Ethnicity (%)
156f Escondido East/ Hidden Meadows/ Poway North	51	192	97	101.2	-4.2	95.8	80- 114.9	99,049	6.9	18.3	White	83.7	20.2
											Black	1.9	
											Am. Ind.	0.7	
											Other/Multi	9.6	
											Asian/PI	10.8	
157 Dulzura/ Engineer Springs/ Indian Springs/ Jamacha/Jamul	48	21	10	11.1	-1.1	90.1	51.3- 158.3	16,479	7.2	11.4	White	83.2	26.1
											Black	3.8	
											Am. Ind.	1.1	
											Other/Multi	8.7	
											Asian/PI	9.3	
158.1 Ramona/ Rock Haven/Rosemont	43	40	17	21	-4	81	51- 128.5	24,540	9.9	26.8	White	91.9	30.5
											Black	1.8	
											Am. Ind.	3.8	
											Other/Multi	11.7	
											Asian/PI	2.5	
158.2 Ballena/ Four Corners/ San Diego Country Estates	44	16	7	8.3	-1.3	84.3	42.8- 166.2	11,533	4.1	15.6	White	95.3	11.7
											Black	0.4	
											Am. Ind.	2.1	
											Other/Multi	6.3	
											Asian/PI	3.8	
159 Buckman Springs/Canyon City/Jacumba/Morena Village/Tecate		<15 cases See note.						7,405	22.1	38.1	White	81.4	36.8
											Black	4.8	
											Am. Ind.	8.4	
											Other/Multi	8.8	
											Asian/PI	4.7	
160 Bonsall/Camp Pendleton/Fallbrook/ Live Oak Park/Rainbow/ San Luis Rey Heights/Winterwarm	61	87	53	45.5	7.5	116.5	93.4- 145.3	86,945	9.6	30.9	White	75	27.8
											Black	6.1	
											Am. Ind.	1.9	
											Other/Multi	20.4	
											Asian/PI	4.8	

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MSSA Description	Stage	Cases	Observed	Expected	Advanced			Pop.			Ethnicity (%)
161a Clairemont/Fiesta Shores/Linda Vista/Mission Beach/Sorrento/ University City	52	261	137	137.6	-0.6	99.6	85.7- 115.6	141,861	Pov100 17.1 Pov200 31.5	White 73 Black 2.8 Am. Ind. 1.2 Other/Multi 8.8 Asian/PI 21	17.7
161b Bay Park/Five Points/Hillcrest Northwest/Mission Hills/Mission Valley/Morena/Normal Heights/Old Town/Serra Mesa	57	174	100	91	9	109.9	93.5- 129.1	93,933	Pov100 10.7 Pov200 23.8	White 80.9 Black 6.7 Am. Ind. 1.6 Other/Multi 10.3 Asian/PI 11.8	16.8
161c Downtown/Golden Hill/Logan Heights	60	105	63	54.5	8.5	115.6	94.2- 141.9	82,443	Pov100 29.3 Pov200 58.7	White 71.2 Black 10.3 Am. Ind. 2.4 Other/Multi 17.2 Asian/PI 5.7	57
161d Chollas Creek/City Heights/East San Diego/North Park/Oak Park/South Park	53	81	43	42.1	0.9	102.1	78.1- 133.6	94,179	Pov100 24.3 Pov200 54.1	White 57.3 Black 13.5 Am. Ind. 1.9 Other/Multi 19.8 Asian/PI 14.5	50.9
161e College Heights/Hillcrest Southeast/Kensington/ Rolando North/ University Heights	56	150	84	78.8	5.2	106.6	88.6- 128.2	90,266	Pov100 20.9 Pov200 38.8	White 76.7 Black 10.7 Am. Ind. 3.1 Other/Multi 11.3 Asian/PI 9.5	24.2
161f La Mesa/Rolando South	55	132	73	69.4	3.6	105.2	86.1- 128.5	78,191	Pov100 14.9 Pov200 33.1	White 72 Black 12.6 Am. Ind. 1.2 Other/Multi 11.4 Asian/PI 13.1	21.2

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MSSA Description		Stage	Cases	Observed	Expected	Advanced			Pop.			Ethnicity (%)
161g Encanto/Lemon Grove Northwest/Lincoln Acres/National City East/Paradise Hills Southwest		56	167	93	86.9	6.1	107	89.8- 127.6	93,214	Pov100 23.2 Pov200 49.9	White 52.5 Black 17.3 Am. Ind. 1.4 Other/Multi 15.8 Asian/PI 19.7	53.3
161h Cajon Central and South/Fletcher Hills	El	58	147	85	76.1	8.9	111.7	93.4- 133.5	83,718	Pov100 22.8 Pov200 45.8	White 78.6 Black 8.5 Am. Ind. 1.9 Other/Multi 13.3 Asian/PI 8.7	34.2
161i Calavo Gardens/ Casa de Oro/Cottonwood/ Grossmont/Homelands/ Lemon Grove Central and North/Mount Helix/Rancho San Diego/Spring Valley		49	166	81	87	-6	93.1	75.9- 114.2	80,949	Pov100 9.3 Pov200 22.9	White 78.8 Black 10.4 Am. Ind. 1.2 Other/Multi 9.3 Asian/PI 8.3	27
161j Castle Park/Chula Vista Southwest/Imperial Beach West/Nestor East/Palm City/ San Ysidro/ South San Diego		60	229	137	119.6	17.4	114.5	99.8- 131.4	141,582	Pov100 18.6 Pov200 44	White 76 Black 5.1 Am. Ind. 1.1 Other/Multi 16.1 Asian/PI 8.3	63.3
161k* Chula Vista Central and Northwest/National City West		63	139	88	73.2	14.8	120.2	101.9- 141.8	76,733	Pov100 22.6 Pov200 53.1	White 71.3 Black 5.9 Am. Ind. 1.1 Other/Multi 18.7 Asian/PI 11.1	68.6

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MSSA Description	Stage	Cases	Observed	Expected	Advanced			Pop.	Pov100	Pov200			Ethnicity (%)
161l Lemon Grove South/Paradise Hills	60	141	84	73.2	10.8	114.8	96.1- 137.1	80,745	11.9	30	White	42.5	36
											Black	20.1	
											Am. Ind.	0.7	
											Other/Multi	15	
											Asian/PI	31.3	
161m Carlton Hills/El Cajon North/Eucalyptus Hills/Lake Murray/ Loma Portal/ San Carlos/Santee	51	201	102	105.4	-3.4	96.8	81.2- 115.3	87,084	5.9	17.9	White	90	15.2
											Black	3.4	
											Am. Ind.	2.3	
											Other/Multi	9.3	
											Asian/PI	7.7	
161n Civic Center/Coronado/ Harbor Island/Imperial Beach East/Nestor West/Ocean Beach/ Point Loma/Silver Strand	57	83	47	43.7	3.3	107.6	84.7- 136.6	63,415	10.3	23.3	White	90.3	14.1
											Black	3.8	
											Am. Ind.	1.7	
											Other/Multi	5.7	
											Asian/PI	5.7	
161o Allied Gardens/Del Cerro/Grantville/Miramar/ Tierrasanta	51	143	73	75.2	-2.2	97.1	78.6- 119.8	85,486	7.4	20.8	White	80	14.9
											Black	6.4	
											Am. Ind.	1.3	
											Other/Multi	8.8	
											Asian/PI	13.1	
161p Carmel Valley/ Del Dios/Escondido South/Fairbanks Ranch/Poway Southeast/Rancho Bernardo Southeast/ Rancho Penasquitos	49	171	84	89	-5	94.4	77.3- 115.2	144,599	5.1	10.8	White	70.6	9.2
											Black	2.7	
											Am. Ind.	1.3	
											Other/Multi	7	
											Asian/PI	27.3	

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MSSA Description	Stage	Cases	Observed	Expected	Advanced			Pop.			Ethnicity (%)
161q Poway Central/ Poway Grove/ Rancho Bernardo Southwest/ Sabre Springs	52	128	67	67.6	-0.6	99.1	79.8- 123.1	76,219	Pov100 4.3 Pov200 11.3	White 78.2 Black 3.1 Am. Ind. 1.2 Other/Multi 8.5 Asian/PI 19.1	13.5
161r Crown Point/Del Mar/ La Jolla/Pacific Beach	52	129	67	68.6	-1.6	97.7	79- 120.7	82,404	Pov100 9.4 Pov200 17.9	White 85.4 Black 1.1 Am. Ind. 0.7 Other/Multi 5 Asian/PI 12.9	8.7
161s Cockatoo Grove/ Eastlake Greens/ Otay Mesa	53	169	89	87.8	1.2	101.4	84.1- 122.2	136,073	Pov100 6.3 Pov200 22.8	White 62.6 Black 6.5 Am. Ind. 1.3 Other/Multi 17.1 Asian/PI 21.4	55.5
161t Bonita/Chula Vista East/Eastlake/La Presa/ Lynwood Hills/Rancho del Rey/ Sunnyside/ Sunny Vista	56	170	95	88.8	6.2	107	89.8- 127.4	91,565	Pov100 6.2 Pov200 18.2	White 68.9 Black 6.6 Am. Ind. 1.6 Other/Multi 16.1 Asian/PI 17.1	47.1
161u Bostonia/Glenview/ Granite Hills/Hillsdale/ Johnstown/Lakeside/ Riverview/ Winter Gardens	53	174	92	90.6	1.4	101.5	84.5- 122	82,987	Pov100 9.3 Pov200 24.6	White 91.6 Black 3.8 Am. Ind. 1.7 Other/Multi 8.5 Asian/PI 4.4	18.4

MSSA ID	% Advanced Stage	Total Cases	Advanced Observed	Advanced Expected	Excess Advanced	PIR	95% C.I.	2010 Pop.	Poverty (%)	Race (%)	Hispanic Ethnicity (%)
161v* Mira Mesa/Scripps Miramar Ranch	71	125	89	65.5	23.5	135.9	117.6- 157	110,841	Pov100 5.9 Pov200 15.3	White 52.5 Black 4.7 Am. Ind. 1.1 Other/Multi 10.8 Asian/PI 4.3	12.5

\* The proportion of advanced stage colorectal cancers is significantly higher than in the comparison group (PIR p<0.05).

Note: Statistical significance was not calculated for PIRs based on fewer than 15 total colorectal cancer cases.

Source: California Cancer Registry (May 2014).