

Oral and Oropharyngeal Cancers: Percent Diagnosed Advanced Stage and Proportional Incidence Ratios (PIR) for MSSAs*** within San Diego County, 2008-2012

Study Results								Demographics								
MSSA ID MSSA Description	Proportion Advanced Stage	Total Cases	Advanced Observed	Advanced Expected	Excess Advanced	PIR	95% C.I.	2010 Population	MSSA Designation	Federal Poverty Level (%)		Race (%)	Race (%)	Hispanic Ethnicity (%)	Dental Health Shortage Area (Yes/No)	Patient to Dentist Ratio**
152 Borrego Springs/Cuyamaca/Julian/Kentwood in the Pines/Laguna/Ocotillo Wells/Palomar/Pine Valley/Warner Springs	<15 cases. See note.	9,436	Frontier	Pov100 Pov200	10.3 25.4	White	92	15.5	No	.
												Black	0.5			
												Am. Ind.	6.2			
												Other/Multi	7.8			
												Asian/PI	3			
153.1 Pala/Pauma Valley	<15 cases. See note.	6,998	Rural	Pov100 Pov200	10.5 33.7	White	72	33.7	No	.
												Black	1.7			
												Am. Ind.	15			
												Other/Multi	14			
												Asian/PI	4.9			
153.2 Rincon/San Pasqual/Valley Center	<15 cases. See note.	15,826	Rural	Pov100 Pov200	5.8 16.5	White	81.2	24.8	No	.
												Black	0.6			
												Am. Ind.	7.9			
												Other/Multi	14.1			
												Asian/PI	5.3			

* The proportion of advanced stage oral cancers is significantly higher than in the comparison group (PIR p<0.01).

** Patient to dentist ratio only provided for Dental Health Primary Care Shortage Areas.

*** Medical Study Service Areas; defined by Office of Statewide Health Planning and Development (OSHPD).

Note: Statistical significance was not calculated for PIRs based on fewer than 15 total oral and oropharyngeal cancer cases. Study results have been suppressed.

Source: California Cancer Registry, California Department of Public Health (January 2016).

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154 Barona/Moreno	<15 cases. See note.	2,328	Rural	Pov100 Pov200	6.1 15.2	White	72.7	12.3	No	.
												Black	1.4			
												Am. Ind.	21.1			
												Other/Multi	6.1			
												Asian/PI	2.5			
155 Alpine/Blossom Valley/Crest/Descanso/Glen Oaks/Harbison Canyon/Japatul/Palo Verde	57	30	17	19	-2	89.5	61.1-131.1	31,733	Rural	Pov100 Pov200	6 19.4	White	93.4	13.8	No	.
												Black	1.5			
												Am. Ind.	2.1			
												Other/Multi	7			
												Asian/PI	3			
156a Encinitas Central/Leucadia/ Oceanside North and West/San Luis Rey/South Oceanside	70	57	40	33.6	6.4	119	96-147.7	109,294	Urban	Pov100 Pov200	13.4 34.3	White	70	39.4	No	.
												Black	5.2			
												Am. Ind.	1.7			
												Other/Multi	25			
												Asian/PI	9			

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156b Carlsbad East/Encinitas East/Oceanside East	59	78	46	47.3	-1.3	97.3	76.8-123.2	105,942	Urban	Pov100 Pov200	6.2 16.9	White	81.7	17.5	No	.
												Black	3.3			
												Am. Ind.	1.1			
												Other/Multi	12.6			
												Asian/PI	9.8			
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	55	95	52	56.6	-4.6	91.9	72.5-116.4	145,988	Urban	Pov100 Pov200	7.1 16.6	White	88	13.3	No	.
												Black	2.1			
												Am. Ind.	0.8			
												Other/Multi	7			
												Asian/PI	8.6			

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156d Oceanside East/San Marcos West/Vista*	75	64	48	39.2	8.8	122.4	101.9-147.2	121,789	Urban	Pov100 Pov200	13.2 37.1	White	73.9	48.1	No	.
												Black	3.4			
												Am. Ind.	1.9			
												Other/Multi	22.4			
												Asian/PI	6.3			
156e Escondido Central and South/San Marcos Central and East	70	64	45	38.8	6.2	116	94.3-142.6	128,696	Urban	Pov100 Pov200	17.1 47.8	White	79.8	54.1	No	.
												Black	2.7			
												Am. Ind.	1.6			
												Other/Multi	14.4			
												Asian/PI	6.2			
156f Escondido East/Hidden Meadows/Poway North	68	65	44	38.3	5.7	114.9	92.7-142.4	99,049	Urban	Pov100 Pov200	6.9 18.3	White	83.7	20.2	No	.
												Black	1.9			
												Am. Ind.	0.7			
												Other/Multi	9.6			
												Asian/PI	10.8			

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157 Dulzura/Engineer Springs/Indian Springs/Jamacha/Jamul	<15 cases. See note.	16,479	Rural	Pov100 Pov200	7.2 11.4	White	83.2	26.1	No	.
												Black	3.8			
												Am. Ind.	1.1			
												Other/Multi	8.7			
												Asian/PI	9.3			
158.1 Ramona/Rock Haven/Rosemont	<15 cases. See note.	24,540	Rural	Pov100 Pov200	9.9 26.8	White	91.9	30.5	No	.
												Black	1.8			
												Am. Ind.	3.8			
												Other/Multi	11.7			
												Asian/PI	2.5			
158.2 Ballena/Four Corners/San Diego Country Estates	<15 cases. See note.	11,533	Urban	Pov100 Pov200	4.1 15.6	White	95.3	11.7	No	.
												Black	0.4			
												Am. Ind.	2.1			
												Other/Multi	6.3			
												Asian/PI	3.8			

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159 Buckman Springs/Canyon City/Jacumba/Morena Village/Tecate	<15 cases. See note.	7,405	Rural	Pov100 Pov200	22.1 38.1	White	81.4	36.8	Yes	3,932:1
												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	71	34	24	20.5	3.5	117.1	89.4-153.3	86,945	Urban	Pov100 Pov200	9.6 30.9	White	75	27.8	No	.
												Black	6.1			
												Am. Ind.	1.9			
												Other/Multi	20.4			
												Asian/PI	4.8			

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161a Clairemont/Fiesta Shores/Linda Vista/Mission Beach/Sorrento/University City	63	79	50	47.7	2.3	104.8	84.7-129.7	141,861	Urban	Pov100 17.1 Pov200 31.5	White	73	17.7	No	.	
												Black				2.8
												Am. Ind.				1.2
												Other/Multi				8.8
												Asian/PI				21
161b Bay Park/Five Points/Hillcrest Northwest/Mission Hills/Mission Valley/Morena/Normal Heights/Old Town/Serra Mesa	61	69	42	41.5	0.5	101.2	79.6-128.7	93,933	Urban	Pov100 10.7 Pov200 23.8	White	80.9	16.8	No	.	
												Black				6.7
												Am. Ind.				1.6
												Other/Multi				10.3
												Asian/PI				11.8

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161c Downtown/Golden Hill/Logan Heights	61	23	14	14.1	-0.1	99.3	68.5-143.8	82,443	Urban	Pov100 Pov200	29.3 58.7	White	71.2	57	Yes	29,086:1
												Black	10.3			
												Am. Ind.	2.4			
												Other/Multi	17.2			
												Asian/PI	5.7			
161d Chollas Creek/City Heights/East San Diego/North Park/Oak Park/South Park	66	38	25	22.9	2.1	109.2	82.6-144.3	94,179	Urban	Pov100 Pov200	24.3 54.1	White	57.3	50.9	No	.
												Black	13.5			
												Am. Ind.	1.9			
												Other/Multi	19.8			
												Asian/PI	14.5			
161e College Heights/Hillcrest Southeast/Kensington/Rolando North/University Heights	64	64	41	37.8	3.2	108.5	87.1-135	90,266	Urban	Pov100 Pov200	20.9 38.8	White	76.7	24.2	No	.
												Black	10.7			
												Am. Ind.	3.1			
												Other/Multi	11.3			
												Asian/PI	9.5			

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161f La Mesa/Rolando South	49	51	25	30.8	-5.8	81.2	56.9-115.9	78,191	Urban	Pov100 Pov200	14.9 33.1	White	72	21.2	No	.
												Black	12.6			
												Am. Ind.	1.2			
												Other/Multi	11.4			
												Asian/PI	13.1			
161g Encanto/Lemon Grove Northwest/Lincoln Acres/National City East/Paradise Hills Southwest	69	54	37	33.8	3.2	109.5	87.9-136.4	93,214	Urban	Pov100 Pov200	23.2 49.9	White	52.5	53.3	No	.
												Black	17.3			
												Am. Ind.	1.4			
												Other/Multi	15.8			
												Asian/PI	19.7			

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161h El Cajon Central and South/Fletcher Hills	70	40	28	24.9	3.1	112.4	87.6-144.4	83,718	Urban	Pov100 22.8 Pov200 45.8	White	78.6	34.2	No	.	
												Black				8.5
												Am. Ind.				1.9
												Other/Multi				13.3
												Asian/PI				8.7
161i Calavo Gardens/Casa de Oro/Cottonwood/ Grossmont/Homelands/ Lemon Grove Central and North/Mount Helix/Rancho San Diego/Spring Valley	67	57	38	34.7	3.3	109.5	87-137.8	80,949	Urban	Pov100 9.3 Pov200 22.9	White	78.8	27	No	.	
												Black				10.4
												Am. Ind.				1.2
												Other/Multi				9.3
												Asian/PI				8.3

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161j Castle Park/Chula Vista Southwest/Imperial Beach West/Nestor East/Palm City/San Ysidro/South San Diego	69	77	53	46.6	6.4	113.7	94.3-137.1	141,582	Urban	Pov100 Pov200	18.6 44	White	76	63.3	No	.
												Black	5.1			
												Am. Ind.	1.1			
												Other/Multi	16.1			
												Asian/PI	8.3			
161k Chula Vista Central and Northwest/National City West	64	33	21	19.6	1.4	107.1	79.1-145.1	76,733	Urban	Pov100 Pov200	22.6 53.1	White	71.3	68.6	No	.
												Black	5.9			
												Am. Ind.	1.1			
												Other/Multi	18.7			
												Asian/PI	11.1			
161l Lemon Grove South/Paradise Hills	64	44	28	27.6	0.4	101.4	78.2-131.7	80,745	Urban	Pov100 Pov200	11.9 30	White	42.5	36	No	.
												Black	20.1			
												Am. Ind.	0.7			
												Other/Multi	15			
												Asian/PI	31.3			

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161m Carlton Hills/El Cajon North/Eucalyptus Hills/Lake Murray/Loma Portal/San Carlos/Santee	66	82	54	49.4	4.6	109.3	89.6-133.4	87,084	Urban	Pov100 5.9 Pov200 17.9	White	90	15.2	No	.	
												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	59	37	22	21.7	0.3	101.4	72.9-141	63,415	Urban	Pov100 10.3 Pov200 23.3	White	90.3	14.1	No	.	
												Black				3.8
												Am. Ind.				1.7
												Other/Multi				5.7
												Asian/PI				5.7

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161o Allied Gardens/Del Cerro/Grantville/Miramar/ Tierrasanta	68	50	34	29.5	4.5	115.3	90.6-146.6	85,486	Urban	Pov100 7.4 Pov200 20.8	White	80	14.9	No	.	
											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	67	63	42	38	4	110.5	88.3-138.4	144,599	Urban	Pov100 5.1 Pov200 10.8	White	70.6	9.2	No	.	
											Black	2.7				
											Am. Ind.	1.3				
											Other/Multi	7				
											Asian/PI	27.3				

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161q Poway Central/Poway Grove/Rancho Bernardo Southwest/Sabre Springs	62	58	36	34	2	105.9	81.5-137.5	76,219	Urban	Pov100 4.3 Pov200 11.3	White	78.2	13.5	No	.	
												Black				3.1
												Am. Ind.				1.2
												Other/Multi				8.5
												Asian/PI				19.1
161r Crown Point/Del Mar/La Jolla/Pacific Beach	64	44	28	25.5	2.5	109.8	83.5-144.3	82,404	Urban	Pov100 9.4 Pov200 17.9	White	85.4	8.7	No	.	
												Black				1.1
												Am. Ind.				0.7
												Other/Multi				5
												Asian/PI				12.9
161s Cockatoo Grove/Eastlake Greens/Otay Mesa	73	45	33	27.4	5.6	120.4	97.6-148.6	136,073	Urban	Pov100 6.3 Pov200 22.8	White	62.6	55.5	No	.	
												Black				6.5
												Am. Ind.				1.3
												Other/Multi				17.1
												Asian/PI				21.4

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Oral and Oropharyngeal Cancers: Percent Diagnosed Advanced Stage and Proportional Incidence Ratios (PIR) for MSSAs*** within San Diego County, 2008-2012

Study Results								Demographics								
MSSA ID MSSA Description	Proportion Advanced Stage	Total Cases	Advanced Observed	Advanced Expected	Excess Advanced	PIR	95% C.I.	2010 Population	MSSA Designation	Federal Poverty Level (%)	Race (%)	Race (%)	Hispanic Ethnicity (%)	Dental Health Shortage Area (Yes/No)	Patient to Dentist Ratio**	
161t Bonita/Chula Vista East/Eastlake/La Presa/Lynwood Hills/Rancho del Rey/Sunnyside/Sunny Vista	62	47	29	28.1	0.9	103.2	77.5-137.4	91,565	Urban	Pov100 6.2 Pov200 18.2	White	68.9	47.1	No	.	
											Black	6.6				
											Am. Ind.	1.6				
											Other/Multi	16.1				
											Asian/PI	17.1				
161u Bostonia/Glenview/Granite Hills/Hillsdale/Johnstown/ Lakeside/Riverview/Winter Gardens	71	48	34	30.2	3.8	112.6	91-139.3	82,987	Urban	Pov100 9.3 Pov200 24.6	White	91.6	18.4	No	.	
											Black	3.8				
											Am. Ind.	1.7				
											Other/Multi	8.5				
											Asian/PI	4.4				
161v Mira Mesa/Scripps Miramar Ranch	67	45	30	27.4	2.6	109.5	84.5-141.8	110,841	Urban	Pov100 5.9 Pov200 15.3	White	52.5	12.5	No	.	
											Black	4.7				
											Am. Ind.	1.1				
											Other/Multi	10.8				
											Asian/PI	4.3				

* The proportion of advanced stage oral cancers is significantly higher than in the comparison group (PIR p<0.01).

** Patient to dentist ratio only provided for Dental Health Primary Care Shortage Areas.

*** Medical Study Service Areas; defined by Office of Statewide Health Planning and Development (OSHPD).

Note: Statistical significance was not calculated for PIRs based on fewer than 15 total oral and oropharyngeal cancer cases. Study results have been suppressed.

Source: California Cancer Registry, California Department of Public Health (January 2016).