

Breast Cancer: % Diagnosed Advanced Stage and PIRs for MSSAs within Orange County, 2007-2011

Study Results								Demographics				
MSSA ID	% Advanced Stage	Total Cases	Advanced Observed	Advanced Expected	Excess Advanced	PIR	95% C.I.	2010 Pop.	Poverty (%)	Race (%)	Hispanic Ethnicity (%)	
115.1 Dana Point/ San Clemente/ San Juan Capistrano	26	524	137	128.5	8.5	106.6	88.3- 128.7	110,202	Pov100 8.1 Pov200 20.4	White 83.3 Black 1 Am. Ind. 1.1 Other/Multi 15 Asian/PI 5.7	19.9	
115.2a* Lake Forest East/ Mission Viejo Central and South	30	489	148	121.6	26.4	121.7	102- 145.2	108,797	Pov100 4.2 Pov200 12.9	White 78.7 Black 1.8 Am. Ind. 1 Other/Multi 12.9 Asian/PI 13.6	17.8	
115.2b Coto de Caza/ Las Flores/Mission Viejo Northwest/Rancho Santa Margarita/ Trabuco Canyon	28	569	160	142	18	112.7	95- 133.6	132,190	Pov100 3.4 Pov200 8.7	White 85.1 Black 1.5 Am. Ind. 0.7 Other/Multi 8.5 Asian/PI 11	12.3	
115.2c Aliso Viejo/ Laguna Hills/ Laguna Niguel	27	548	146	137	9	106.6	88.9- 127.8	122,651	Pov100 5 Pov200 12.1	White 80.5 Black 2.9 Am. Ind. 0.7 Other/Multi 9.8 Asian/PI 13.7	13	
115.2d Laguna Beach/ Laguna Woods	23	532	124	129.5	-5.5	95.8	78.3- 117.1	75,190	Pov100 9.1 Pov200 22.6	White 78.7 Black 1 Am. Ind. 1 Other/Multi 12.9 Asian/PI 11.5	20.8	

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MSSA Description	Stage	Cases	Observed	Expected	Advanced			Pop.			Ethnicity (%)
116a* Buena Park/La Palma	32	295	95	72.7	22.3	130.7	105.3- 162.1	79,311	Pov100 10.5 Pov200 31.7	White 51.1 Black 5.5 Am. Ind. 1.2 Other/Multi 20.2 Asian/PI 28.4	39.5
116b* Santa Ana Central	36	145	52	36.1	15.9	144	108.7- 190.9	115,581	Pov100 22.8 Pov200 57.1	White 45.1 Black 1 Am. Ind. 1 Other/Multi 50.8 Asian/PI 4	90.7
116c Anaheim West	30	344	103	85.2	17.8	120.9	97.8- 149.4	122,087	Pov100 14.9 Pov200 39.2	White 47.1 Black 4 Am. Ind. 0.6 Other/Multi 29.6 Asian/PI 24	45.9
116d Irvine South/ Newport Beach/ Newport Coast/ San Joaquin Hills	20	594	118	146.7	-28.7	80.4	65.1- 99.4	145,518	Pov100 8.6 Pov200 16.1	White 80.1 Black 1.2 Am. Ind. 0.5 Other/Multi 5 Asian/PI 18.2	7.5
116e* Cypress/ Los Alamitos/ Rossmoor	29	601	175	147.2	27.8	118.9	101- 140	113,696	Pov100 5.6 Pov200 17	White 66.9 Black 3 Am. Ind. 1.1 Other/Multi 10.7 Asian/PI 26.4	17.4
116f Fullerton Central and South	29	399	115	98.3	16.7	117	95.6- 143.1	103,829	Pov100 10.8 Pov200 29.7	White 56.1 Black 3.1 Am. Ind. 1.8 Other/Multi 23.1 Asian/PI 22.2	35.4

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116g Santa Ana South	32	215	68	53.9	14.1	126.2	97.9- 162.7	116,647	Pov100 15.7 Pov200 46.4	White 41.6 Black 1.6 Am. Ind. 0.8 Other/Multi 51 Asian/PI 8.9	81.7
116h City of Orange South/ Santa Ana North/ Tustin Foothills/ Tustin West	29	442	126	109.5	16.5	115.1	94.8- 139.6	130,242	Pov100 12.3 Pov200 30	White 62.4 Black 2.1 Am. Ind. 0.9 Other/Multi 23.7 Asian/PI 16.1	43.4
116i* Garden Grove South/ Santa Ana West	33	239	78	59.5	18.5	131.1	103.6- 165.8	116,065	Pov100 17.4 Pov200 45.4	White 35.5 Black 0.8 Am. Ind. 0.8 Other/Multi 24.7 Asian/PI 40.9	47
116j Fountain Valley/ Huntington Beach Central	28	391	109	95.2	13.8	114.5	93- 140.9	77,229	Pov100 6.7 Pov200 17.6	White 65.9 Black 1.7 Am. Ind. 1.6 Other/Multi 7.9 Asian/PI 30.2	14.3
116k Brea West/ Fullerton North/ La Habra	27	426	115	103.4	11.6	111.2	90.6- 136.5	108,323	Pov100 8.6 Pov200 24.3	White 58.8 Black 2.7 Am. Ind. 1.3 Other/Multi 26.2 Asian/PI 17.5	40.1
116l Anaheim Central	29	212	62	52.6	9.4	117.9	89.7- 154.9	96,505	Pov100 19.5 Pov200 49.4	White 65.3 Black 3 Am. Ind. 0.6 Other/Multi 24.8 Asian/PI 11.1	70.2

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116m Brea East/ Placentia Central and North/ Yorba Linda	29	626	179	153.8	25.2	116.4	98.9- 136.9	134,780	Pov100 5.5 Pov200 15.7	White 73 Black 2.2 Am. Ind. 1.1 Other/Multi 11.4 Asian/PI 18.9	20
116n Anaheim Hills/ City of Orange East/ Villa Park	26	541	143	133.5	9.5	107.1	89.3- 128.6	128,451	Pov100 5.4 Pov200 15.1	White 70.8 Black 1.3 Am. Ind. 1 Other/Multi 16.4 Asian/PI 17.1	24
116o Irvine Central/Tustin East	28	357	99	88.2	10.8	112.2	90.3- 139.5	86,324	Pov100 7.5 Pov200 16.6	White 59 Black 3.4 Am. Ind. 0.5 Other/Multi 7.4 Asian/PI 36.4	12.3
116p Costa Mesa	28	359	101	88.6	12.4	114	91.8- 141.6	109,198	Pov100 14.1 Pov200 32	White 71.4 Black 1.9 Am. Ind. 0.7 Other/Multi 16.9 Asian/PI 13.3	35.5
116q* Anaheim East/ City of Orange North/ Placentia Southwest	32	361	115	88.5	26.5	129.9	106.7- 158.3	113,806	Pov100 13.4 Pov200 35.5	White 68.2 Black 2.3 Am. Ind. 1 Other/Multi 23.3 Asian/PI 11	53.9
116r Garden Grove North/ Stanton	29	371	109	91.8	17.2	118.7	96.8- 145.7	125,853	Pov100 13.3 Pov200 38	White 46.9 Black 1.9 Am. Ind. 1 Other/Multi 26.7 Asian/PI 28.7	47.9

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116s* Huntington Beach North/ Seal Beach East/ Westminster	36	364	131	90.2	40.8	145.2	121.5- 173.6	124,466	Pov100 13.9 Pov200 35.5	White 44 Black 1.1 Am. Ind. 0.7 Other/Multi 17.3 Asian/PI 41.5	29.1
116t Huntington Beach South	24	426	103	104.6	-1.6	98.5	79- 122.7	80,986	Pov100 6.1 Pov200 14.1	White 85.9 Black 0.9 Am. Ind. 0.8 Other/Multi 5.9 Asian/PI 11.7	12.7
116u Huntington Beach West/ Seal Beach West	29	461	133	112.2	20.8	118.5	98.2- 143.1	85,913	Pov100 5.7 Pov200 14.9	White 83.9 Black 0.9 Am. Ind. 1 Other/Multi 7.3 Asian/PI 12.2	12.1
116v Foothill Ranch/ IrvineNortheast/ Lake Forest West/ Portola Hills/ Tustin East	27	393	108	98.7	9.3	109.4	88.6- 135.1	101,685	Pov100 4.4 Pov200 9.9	White 62.4 Black 2 Am. Ind. 0.6 Other/Multi 7.9 Asian/PI 35	10.6

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

Source: California Cancer Registry (May 2014).