

California Hospital Performance Ratings for Coronary Artery Bypass Graft (CABG) Surgery by Region, 2011-2012

Region	Hospital	Operative Mortality 2012 ¹			Post-Operative Stroke 2011-2012 ²			30-Day Readmission 2012 ³			Internal Mammary Artery Use 2012 ⁴	
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating [#]	Cases (Stroke)	Risk-Adjusted Rate	Performance Rating [#]	Cases (Readmission)	Risk-Adjusted Rate	Performance Rating [#]	Cases (Rate)	Performance Rating
Statewide		11,720 (247)	2.11		24,119 (358)	1.48		10,553 (1,292)	12.24		10,527 (96.5)	
Sacramento Valley & Northern California Region	Enloe Medical Center Esplanade Campus	132 (1)	0.78	Average	281 (2)	0.76	Average	129 (19)	15.90	Average	113 (97.4)	
	Mercy General Hospital	451 (9)	2.27	Average	990 (19)	2.11	Average	400 (45)	11.50	Average	419 (98.8)	
	Mercy Medical Center – Redding	104 (2)	1.50	Average	206 (2)	1.07	Average	101 (13)	11.80	Average	81 (100)	
	Mercy San Juan Hospital	114 (0)	0.00	Average	242 (2)	1.04	Average	108 (8)	7.38	Average	99 (99.0)	
	Rideout Memorial Hospital	96 (4)	4.47	Average	186 (7)	4.73	Worse	88 (17)	18.09	Average	84 (100)	
	Shasta Regional Medical Center	69 (2)	3.52	Average	128 (0)	0.00	Average	66 (8)	13.45	Average	61 (82.0) Low	
	St. Joseph Hospital – Eureka	18 (0)	0.00	Average	51 (0)	0.00	Average	16 (0)	0.00	Average	17 (82.4) Low	
	Sutter Memorial Hospital	324 (4)	1.19	Average	638 (2)	0.36	Better	286 (29)	10.26	Average	301 (97.3)	
	UC Davis Medical Center	105 (2)	2.79	Average	202 (3)	1.70	Average	97 (14)	14.62	Average	93 (100)	
San Francisco Bay Area & San Jose	Alta Bates Summit Medical Center – Summit Campus – Hawthorne	112 (3)	2.37	Average	242 (3)	1.01	Average	92 (16)	16.53	Average	106 (99.1)	
	California Pacific Medical Center – Pacific Campus	65 (0)	0.00	Average	103 (0)	0.00	Average	56 (10)	19.57	Average	60 (98.3)	
	Community Hospital Monterey Peninsula	69 (1)	1.42	Average	130 (2)	1.65	Average	66 (9)	13.76	Average	63 (100)	

Dominican Hospital – Santa Cruz/Soquel	58 (2)	3.85	Average	105 (2)	2.14	Average	52 (7)	14.97	Average	55 (89.1)	
El Camino Hospital	59 (1)	1.86	Average	125 (1)	0.89	Average	52 (5)	11.54	Average	54 (100)	
Good Samaritan Hospital – San Jose	76 (1)	1.45	Average	138 (3)	1.92	Average	71 (9)	13.90	Average	70 (97.1)	
John Muir Medical Center – Concord Campus	218 (3)	1.63	Average	425 (4)	1.04	Average	202 (11)	5.63	Better	200 (97.5)	
Kaiser Foundation Hospital – San Francisco	316 (8)	4.21	Average	631 (14)	2.68	Average	305 (27)	10.01	Average	302 (97.7)	
Kaiser Foundation Hospital – Santa Clara	204 (2)	1.12	Average	383 (2)	0.54	Average	198 (19)	9.31	Average	189 (98.9)	
Marin General Hospital	40 (0)	0.00	Average	84 (0)	0.00	Average	34 (2)	6.24	Average	40 (85.0)	Low
North Bay Medical Center	56 (2)	4.65	Average	88 (3)	3.38	Average	49 (8)	16.36	Average	50 (98.0)	
O'Connor Hospital – San Jose	55 (2)	4.46	Average	112 (2)	1.77	Average	52 (5)	9.95	Average	53 (100)	
Peninsula Medical Center	45 (0)	0.00	Average	81 (1)	1.67	Average	41 (3)	8.99	Average	44 (97.7)	
Queen of the Valley Hospital – Napa	56 (1)	1.50	Average	108 (4)	3.32	Average	48 (8)	17.54	Average	53 (98.1)	
Regional Medical of San Jose	61 (0)	0.00	Average	129 (0)	0.00	Average	55 (7)	10.87	Average	56 (100)	
Salinas Valley Memorial Hospital	75 (2)	3.19	Average	170 (5)	2.86	Average	72 (4)	5.94	Average	66 (100)	
San Ramon Regional Medical Center	33 (0)	0.00	Average	64 (0)	0.00	Average	31 (0)	0.00	Average	31 (100)	
Santa Clara Valley Medical Center	87 (2)	4.63	Average	159 (2)	1.37	Average	75 (9)	13.13	Average	86 (97.7)	
Santa Rosa Memorial Hospital – Montgomery	61 (2)	3.20	Average	148 (0)	0.00	Average	55 (4)	7.98	Average	57 (87.7)	
Sequoia Hospital	52 (0)	0.00	Average	109 (0)	0.00	Average	47 (3)	7.76	Average	46 (100)	
Seton Medical Center	38 (2)	5.76	Average	114 (9)	6.36	Worse	34 (8)	24.54	Average	36 (97.2)	

	St. Helena Hospital	55 (2)	1.78	Average	101 (1)	0.82	Average	50 (4)	7.84	Average	38 (89.5)
	St. Mary's Medical Center – San Francisco	19 (1)	3.58	Average	54 (3)	4.63	Average	16 (3)	16.52	Average	17 (100)
	Stanford Hospital	71 (0)	0.00	Average	133 (2)	1.78	Average	57 (3)	4.98	Average	63 (96.8)
	Sutter Medical Center of Santa Rosa	66 (0)	0.00	Average	131 (1)	1.21	Average	60 (5)	8.89	Average	53 (67.9) Low
	UCSF Medical Center	60 (5)	8.18	Worse	126 (3)	2.56	Average	47 (7)	17.84	Average	53 (100)
	Valleycare Medical Center	38 (0)	0.00	Average	72 (0)	0.00	Average	34 (2)	5.69	Average	37 (91.9)
	Washington Hospital – Fremont	77 (1)	1.05	Average	166 (2)	0.95	Average	65 (9)	13.04	Average	68 (100)
Central California	Bakersfield Heart Hospital	80 (1)	1.14	Average	174 (7)	3.98	Worse	74 (12)	16.02	Average	73 (93.2)
	Bakersfield Memorial Hospital	123 (2)	1.50	Average	248 (1)	0.44	Average	112 (14)	11.96	Average	109 (93.6)
	Community Regional Medical Center – Fresno	234 (7)	3.00	Average	477 (5)	0.99	Average	217 (38)	16.49	Average	202 (99.5)
	Dameron Hospital	43 (3)	4.30	Average	105 (5)	3.70	Average	37 (4)	8.44	Average	32 (93.8)
	Doctors Medical Center	222 (6)	2.11	Average	464 (5)	0.94	Average	199 (20)	8.81	Average	200 (95.5)
	Emanuel Medical Center	15 (0)	0.00	Average	31 (0)	0.00	Average	12 (0)	0.00	Average	13 (100)
	Fresno Heart and Surgical Center	187 (1)	0.66	Average	359 (4)	1.31	Average	182 (20)	11.61	Average	165 (98.2)
	Kaweah Delta Medical Center	141 (3)	2.41	Average	342 (8)	2.25	Average	133 (20)	14.40	Average	132 (98.5)
	Marian Medical Center	62 (1)	1.33	Average	122 (2)	1.68	Average	59 (9)	14.63	Average	51 (98.0)
	Memorial Hospital Medical Center – Modesto	133 (1)	0.85	Average	319 (6)	1.89	Average	123 (13)	10.33	Average	122 (90.2)
	San Joaquin Community Hospital	58 (1)	1.89	Average	135 (0)	0.00	Average	47 (6)	12.39	Average	51 (94.1)

	St. Agnes Medical Center	240 (10)	4.25	Average	529 (5)	0.90	Average	202 (21)	10.15	Average	195 (98.5)	
	St. Joseph's Medical Center of Stockton	178 (7)	2.10	Average	427 (6)	1.16	Average	168 (14)	6.61	Better	143 (95.8)	
San Fernando Valley, Antelope Valley, Ventura & Santa Barbara	Antelope Valley Hospital	20 (0)	0.00	Average	48 (2)	4.20	Average	18 (3)	20.15	Average	18 (77.8)	Low
	Community Memorial Hospital of San Buenaventura	95 (5)	4.97	Average	143 (2)	1.43	Average	87 (11)	13.29	Average	86 (97.7)	
	French Hospital Medical Center	65 (2)	2.14	Average	141 (4)	2.69	Average	57 (3)	5.45	Average	50 (100)	
	Glendale Adventist Medical Center – Wilson Terrace	115 (4)	4.02	Average	225 (1)	0.55	Average	101 (22)	21.30	Worse	107 (99.1)	
	Glendale Memorial Hospital and Health Center	117 (1)	1.34	Average	222 (2)	1.01	Average	110 (11)	10.37	Average	110 (100)	
	Los Robles Hospital and Medical Center	51 (0)	0.00	Average	102 (3)	3.12	Average	49 (4)	8.19	Average	45 (97.8)	
	Northridge Hospital Medical Center	59 (4)	5.58	Average	130 (6)	4.51	Worse	49 (9)	19.46	Average	54 (98.2)	
	Palmdale Regional Medical Center	11 (1)	13.43	Average	19 (0)	0.00	Average	9 (1)	13.47	Average	11 (90.9)	
	Providence Holy Cross Medical Center	62 (2)	2.11	Average	114 (1)	0.86	Average	59 (8)	12.87	Average	50 (100)	
	Providence St. Joseph Medical Center	48 (2)	3.95	Average	95 (0)	0.00	Average	42 (5)	14.13	Average	42 (100)	
	Providence Tarzana Medical Center	39 (2)	5.50	Average	93 (3)	3.18	Average	37 (7)	20.27	Average	33 (97.0)	
	Santa Barbara Cottage Hospital	92 (2)	2.92	Average	176 (3)	1.66	Average	87 (8)	9.86	Average	87 (100)	
	St. John's Regional Medical Center	64 (1)	1.77	Average	130 (3)	1.81	Average	57 (7)	11.69	Average	63 (98.4)	
	Valley Presbyterian Hospital	49 (2)	5.62	Average	102 (2)	2.10	Average	46 (11)	27.13	Worse	44 (97.7)	
West Hills Hospital and Medical Center	41 (3)	8.30	Average	97 (1)	1.28	Average	37 (4)	11.61	Average	35 (100)		
Greater Los Angeles	Beverly Hospital	20 (0)	0.00	Average	40 (1)	1.80	Average	15 (1)	6.17	Average	20 (95.0)	

California Hospital Medical Center – Los Angeles	8 (0)	0.00	Average	8 (0)	0.00	Average	8 (0)	0.00	Average	8 (100)
Cedars Sinai Medical Center	111 (3)	3.77	Average	223 (2)	1.18	Average	92 (8)	10.41	Average	98 (100)
Centinela Hospital Medical Center	26 (1)	3.35	Average	40 (2)	3.80	Average	22 (4)	15.82	Average	21 (100)
Citrus Valley Medical Center – IC Campus	113 (4)	4.38	Average	215 (5)	2.11	Average	104 (10)	9.13	Average	99 (96.0)
Downey Regional Medical Center	39 (1)	3.75	Average	73 (0)	0.00	Average	35 (7)	17.59	Average	31 (93.6)
Garfield Medical Center	136 (0)	0.00	Average	252 (6)	1.82	Average	98 (12)	11.09	Average	119 (92.4)
Good Samaritan Hospital – Los Angeles	85 (2)	2.25	Average	179 (2)	0.86	Average	65 (11)	14.70	Average	76 (97.4)
Henry Mayo Newhall Memorial Hospital	2 (0)	0.00	Average	2 (0)	0.00	Average	2 (0)	0.00	Average	2 (100)
Hollywood Presbyterian Medical Center	22 (0)	0.00	Average	34 (0)	0.00	Average	18 (4)	23.27	Average	20 (100)
Huntington Memorial Hospital	65 (1)	2.10	Average	143 (1)	0.82	Average	62 (5)	8.52	Average	63 (98.4)
Kaiser Foundation Hospital – Sunset	512 (4)	0.95	Average	1,010 (13)	1.26	Average	502 (61)	11.24	Average	481 (96.5)
Keck Hospital of USC	55 (1)	2.18	Average	109 (2)	2.01	Average	50 (7)	15.01	Average	50 (100)
Los Angeles County/ University of Southern California Medical Center	112 (1)	2.51	Average	229 (2)	1.17	Average	84 (6)	8.43	Average	112 (98.2)
Los Angeles County/ Harbor – UCLA Medical Center	68 (1)	2.26	Average	145 (3)	1.97	Average	51 (11)	20.79	Average	64 (98.4)
Lakewood Regional Medical Center	81 (3)	2.63	Average	184 (3)	1.25	Average	74 (9)	10.76	Average	72 (95.8)
Long Beach Memorial Medical Center	154 (3)	1.66	Average	313 (3)	0.88	Average	141 (25)	16.08	Average	136 (92.7)
Methodist Hospital of Southern California	48 (0)	0.00	Average	86 (1)	0.95	Average	46 (1)	2.06	Better	45 (100)

	Presbyterian Intercommunity Hospital	74 (1)	1.66	Average	143 (1)	0.51	Average	72 (5)	6.57	Average	66 (95.5)	
	Providence Little Company of Mary Hospital	56 (1)	1.91	Average	114 (2)	1.31	Average	53 (6)	10.36	Average	50 (98.0)	
	Ronald Reagan UCLA Medical Center	102 (2)	1.63	Average	194 (6)	3.18	Average	94 (19)	17.26	Average	89 (96.6)	
	Santa Monica – UCLA Medical Center and Orthopaedic Hospital	No cases			1 (0)	0.00	Average	No cases			No cases	
	St. Francis Medical Center	27 (0)	0.00	Average	67 (0)	0.00	Average	25 (5)	19.13	Average	25 (76.0)	Low
	St. John's Health Center	31 (0)	0.00	Average	78 (0)	0.00	Average	30 (2)	7.36	Average	27 (96.3)	
	St. Mary Medical Center	33 (0)	0.00	Average	86 (0)	0.00	Average	30 (7)	21.37	Average	28 (100)	
	St. Vincent Medical Center	73 (3)	3.57	Average	138 (2)	1.34	Average	61 (10)	17.60	Average	64 (96.9)	
	Torrance Memorial Medical Center	36 (0)	0.00	Average	101 (4)	3.58	Average	35 (4)	10.75	Average	30 (100)	
	White Memorial Medical Center	60 (2)	4.05	Average	101 (4)	3.33	Average	55 (17)	28.27	Worse	56 (100)	
Inland Empire, Riverside & San Bernardino	Desert Regional Medical Center	98 (4)	3.21	Average	227 (2)	0.90	Average	93 (15)	17.13	Average	83 (97.6)	
	Desert Valley Hospital	5 (1)	17.93	Average	5 (0)	0.00	Average	4 (2)	36.47	Average	4 (75.0)	Low
	Eisenhower Medical Center	145 (3)	1.75	Average	305 (3)	1.01	Average	131 (19)	14.80	Average	134 (91.0)	
	Loma Linda Murrieta*	44 (NA)	NA	NA	44 (0)	0.00	Average	9 (NA)	NA	NA	36 (100)	
	Loma Linda University Medical Center	187 (7)	3.99	Average	384 (8)	2.12	Average	157 (25)	15.21	Average	157 (98.7)	
	Pomona Valley Hospital Medical Center	108 (0)	0.00	Average	226 (3)	0.97	Average	102 (13)	12.74	Average	90 (100)	
	Riverside Community Hospital	199 (3)	1.35	Average	357 (3)	0.87	Average	185 (21)	12.04	Average	169 (97.0)	

	San Antonio Community Hospital	127 (3)	2.69	Average	266 (1)	0.39	Average	110 (11)	10.17	Average	104 (99.0)
	St. Bernardine Medical Center	508 (8)	1.87	Average	994 (13)	1.37	Average	436 (50)	11.86	Average	487 (98.0)
	St. Mary Regional Medical Center	88 (1)	1.39	Average	212 (2)	1.04	Average	84 (10)	10.82	Average	75 (94.7)
Orange County	AHMC Anaheim Regional Medical Center	100 (2)	2.96	Average	235 (4)	1.66	Average	75 (15)	20.26	Average	91 (97.8)
	Fountain Valley Regional Hospital and Medical Center – Euclid	96 (1)	1.04	Average	212 (6)	1.98	Average	89 (8)	7.26	Average	85 (95.3)
	Hoag Memorial Hospital Presbyterian	114 (2)	0.96	Average	242 (2)	0.86	Average	107 (14)	13.64	Average	92 (97.8)
	Mission Hospital Regional Medical Center	116 (2)	1.35	Average	237 (1)	0.55	Average	105 (9)	9.31	Average	101 (98.0)
	Orange Coast Memorial Medical Center	56 (1)	2.54	Average	99 (3)	3.31	Average	51 (6)	14.54	Average	55 (96.4)
	Saddleback Memorial Medical Center	72 (3)	5.13	Average	160 (3)	2.39	Average	66 (8)	12.96	Average	56 (96.4)
	St. Joseph Hospital – Orange	74 (0)	0.00	Average	174 (1)	0.63	Average	67 (4)	6.11	Average	70 (100)
	St. Jude Medical Center	87 (1)	1.01	Average	172 (3)	1.93	Average	86 (5)	5.95	Average	80 (97.5)
	UC Irvine Medical Center	54 (1)	1.10	Average	108 (1)	0.80	Average	43 (7)	14.05	Average	50 (96.0)
	West Anaheim Medical Center	21 (2)	6.92	Average	41 (0)	0.00	Average	13 (2)	15.73	Average	18 (94.4)
	Western Medical Center – Santa Ana	45 (1)	2.20	Average	96 (1)	0.95	Average	41 (4)	8.88	Average	24 (100)
Western Medical Center Hospital – Anaheim	56 (1)	1.89	Average	120 (1)	0.71	Average	48 (7)	12.77	Average	49 (98.0)	
Greater San Diego	Alvarado Hospital Medical Center	32 (0)	0.00	Average	80 (3)	2.97	Average	30 (10)	30.24	Worse	29 (100)
	Grossmont Hospital	138 (6)	2.43	Average	281 (7)	2.05	Average	119 (20)	14.39	Average	123 (98.4)

Palomar Medical Center	47 (1)	2.40	Average	100 (2)	2.14	Average	44 (6)	11.47	Average	42 (97.6)
Scripps Green Hospital	31 (0)	0.00	Average	76 (1)	1.84	Average	30 (6)	21.40	Average	30 (100)
Scripps Memorial Hospital – La Jolla	203 (2)	1.16	Average	448 (6)	1.44	Average	187 (20)	11.51	Average	198 (99.5)
Scripps Mercy Hospital	131 (3)	2.81	Average	271 (6)	2.23	Average	115 (14)	11.31	Average	123 (99.2)
Sharp Chula Vista Medical Center	86 (5)	4.04	Average	236 (9)	2.75	Average	76 (12)	13.19	Average	76 (100)
Sharp Memorial Hospital	76 (2)	2.68	Average	160 (3)	1.93	Average	70 (4)	6.05	Average	71 (97.2)
Tri-City Medical Center	79 (5)	5.76	Average	146 (2)	1.37	Average	74 (15)	19.43	Average	70 (97.1)
UC San Diego Health - Sulpizio Cardiovascular Center	69 (0)	0.00	Average	165 (0)	0.00	Average	65 (6)	9.73	Average	66 (100)
UC San Diego – Hillcrest Medical Center	0 (0)			8 (0)	0.00	Average	0 (0)			0 (0)

¹ **Operative Mortality** is defined as patient death occurring in the hospital after isolated CABG surgery, regardless of length of stay, or death occurring anywhere after hospital discharge but within 30 days after the isolated CABG surgery. Hospital ratings are risk-adjusted using a statistical technique that allows for fair comparison of hospital outcomes even though some hospitals have sicker patients than average.

² **Post-Operative Stroke** is defined as a post-operative, central neurologic deficit persisting for more than 24 hours after isolated CABG surgery while in the operating hospital.

³ **Readmission** is defined as an isolated CABG surgery patient being readmitted to an acute care hospital within 30 days of being discharged to home or a non-acute care setting with a principal diagnosis indicating a heart-related condition, or an infection or a complication that was likely related to the CABG surgery.

⁴ **Internal Mammary Artery (IMA)** Usage in CABG surgery is an evidence-based indicator of surgery quality. Clinical research shows that IMA grafts used in CABG surgery stay open longer and increase patients' survival. Very low hospital utilization rates may be associated with poorer care. Hospitals are not assessed for very high IMA usage rates because there is no consensus on what constitutes an optimal rate. Most first-time CABG surgery patients are eligible to receive an IMA bypass.

The performance rating is based on a comparison of each provider's risk-adjusted mortality/stroke/readmission rate to the California observed mortality/stroke/readmission rate. A provider is classified as "Better" if the upper 95% confidence limit of its risk-adjusted mortality/stroke/readmission rate falls below California observed mortality/stroke/readmission rate. A provider is classified as "Worse" if the lower 95% confidence limit of its risk-adjusted mortality/stroke/readmission rate is higher than the California observed mortality/stroke/readmission rate. A provider is classified as "Average" if the California mortality/stroke/readmission rate falls within the confidence interval of the provider's risk adjusted mortality/stroke/readmission rate.