

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Abolhoda, Amir M	Surgeon Overall	69 (0)	0.00	Average
Abolhoda, Amir M	Lakewood Regional Medical Center	29 (0)	0.00	Average
Abolhoda, Amir M	Long Beach Memorial Medical Center	40 (0)	0.00	Average
Abraham, Reginald G	Surgeon Overall	49 (1)	1.98	Average
Abraham, Reginald G	Fountain Valley Regional Hospital and Medical Center – Euclid	49 (1)	1.98	Average
Adamson, Robert M	Surgeon Overall	30 (1)	7.87	Average
Adamson, Robert M	Sharp Memorial Hospital	30 (1)	7.87	Average
Afifi, Alaa Y	Surgeon Overall	74 (2)	2.45	Average
Afifi, Alaa Y	Anaheim Global Medical Center	20 (0)	0.00	Average
Afifi, Alaa Y	Fountain Valley Regional Hospital and Medical Center – Euclid	49 (1)	1.80	Average
Afifi, Alaa Y	Orange County Global Medical Center	3 (1)	15.15	Average
Afifi, Alaa Y	West Anaheim Medical Center	2 (0)	0.00	Average
Akhavan-Heidari, Mehdi	Surgeon Overall	25 (2)	4.79	Average
Akhavan-Heidari, Mehdi	Dameron Hospital	7 (0)	0.00	Average
Akhavan-Heidari, Mehdi	St. Joseph's Medical Center of Stockton	18 (2)	5.81	Average
Al-Dossari, Ghannam A	Surgeon Overall	3 (0)	0.00	Average
Al-Dossari, Ghannam A	UC San Francisco Medical Center	2 (0)	0.00	Average
Al-Dossari, Ghannam A	Washington Hospital – Fremont	1 (0)	0.00	Average
Ali, Mir W	Surgeon Overall	42 (1)	1.95	Average
Ali, Mir W	St. Bernardine Medical Center	42 (1)	1.95	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Allen, Jeremiah G	Surgeon Overall	192 (2)	2.24	Average
Allen, Jeremiah G	<i>Kaiser Foundation Hospital – San Francisco</i>	192 (2)	2.24	Average
Alyono, David	Surgeon Overall	176 (5)	3.02	Average
Alyono, David	<i>Kaiser Foundation Hospital – Santa Clara</i>	176 (5)	3.02	Average
Anastassiou, Peter T	Surgeon Overall	10 (0)	0.00	Average
Anastassiou, Peter T	<i>Sutter Santa Rosa Regional Hospital</i>	10 (0)	0.00	Average
Arabia, Francisco A	Surgeon Overall	5 (0)	0.00	Average
Arabia, Francisco A	<i>Cedars Sinai Medical Center</i>	5 (0)	0.00	Average
Araim, Leheb H	Surgeon Overall	183 (5)	2.71	Average
Araim, Leheb H	<i>Kaweah Delta Medical Center</i>	183 (5)	2.71	Average
Ardehali, Abbas	Surgeon Overall	118 (2)	1.70	Average
Ardehali, Abbas	<i>Ronald Reagan UCLA Medical Center</i>	118 (2)	1.70	Average
Atiya, Azmi W	Surgeon Overall	168 (7)	4.09	Average
Atiya, Azmi W	<i>Henry Mayo Newhall Memorial Hospital</i>	10 (0)	0.00	Average
Atiya, Azmi W	<i>Northridge Hospital Medical Center</i>	79 (4)	4.85	Average
Atiya, Azmi W	<i>Providence Holy Cross Medical Center</i>	25 (1)	5.12	Average
Atiya, Azmi W	<i>Providence Tarzana Medical Center</i>	29 (1)	3.81	Average
Atiya, Azmi W	<i>Valley Presbyterian Hospital</i>	6 (0)	0.00	Average
Atiya, Azmi W	<i>West Hills Hospital and Medical Center</i>	19 (1)	3.93	Average
Atkins, Broadus Z	Surgeon Overall	48 (4)	6.48	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Atkins, Broadus Z	<i>UC Davis Medical Center</i>	48 (4)	6.48	Average
Baker, Craig J	Surgeon Overall	64 (0)	0.00	Average
Baker, Craig J	<i>Huntington Memorial Hospital</i>	5 (0)	0.00	Average
Baker, Craig J	<i>Keck Hospital of University of Southern California</i>	38 (0)	0.00	Average
Baker, Craig J	<i>Los Angeles County/University of Southern California Medical Center</i>	21 (0)	0.00	Average
Baladi, Naoum	Surgeon Overall	72 (4)	5.09	Average
Baladi, Naoum	<i>Seton Medical Center</i>	56 (3)	4.71	Average
Baladi, Naoum	<i>St. Mary's Medical Center – San Francisco</i>	16 (1)	6.72	Average
Baradarian, Sam	Surgeon Overall	131 (3)	3.07	Average
Baradarian, Sam	<i>Scripps Memorial Hospital – La Jolla</i>	131 (3)	3.07	Average
Bastidas, Juan G	Surgeon Overall	87 (3)	3.54	Average
Bastidas, Juan G	<i>Loma Linda Univeristy Medical Center – Murrieta</i>	87 (3)	3.54	Average
Baumgartner, Fritz J	Surgeon Overall	23 (4)	7.48	Average
Baumgartner, Fritz J	<i>Enloe Medical Center – Esplanade Campus</i>	7 (2)	10.45	Average
Baumgartner, Fritz J	<i>Mercy Medical Center – Redding</i>	16 (2)	5.83	Average
Benharash, Peyman	Surgeon Overall	41 (1)	3.45	Average
Benharash, Peyman	<i>Ronald Reagan UCLA Medical Center</i>	41 (1)	3.45	Average
Bethencourt, Daniel M	Surgeon Overall	155 (7)	5.04	Average
Bethencourt, Daniel M	<i>Long Beach Memorial Medical Center</i>	109 (7)	7.12	<b>Worse</b>
Bethencourt, Daniel M	<i>Orange Coast Memorial Medical Center</i>	46 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Beygui, Ramin E	Surgeon Overall	77 (3)	6.11	Average
Beygui, Ramin E	<i>North Bay Medical Center</i>	55 (3)	10.15	Average
Beygui, Ramin E	<i>UC San Francisco Medical Center</i>	1 (0)	0.00	Average
Beygui, Ramin E	<i>Washington Hospital – Fremont</i>	21 (0)	0.00	Average
Birnbaum, Peter L	Surgeon Overall	138 (3)	2.03	Average
Birnbaum, Peter L	<i>Saint Agnes Medical Center</i>	138 (3)	2.03	Average
Biswas, Shankha S	Surgeon Overall	202 (2)	0.90	Average
Biswas, Shankha S	<i>Riverside Community Hospital</i>	167 (2)	1.03	Average
Biswas, Shankha S	<i>San Antonio Community Hospital</i>	12 (0)	0.00	Average
Biswas, Shankha S	<i>St. Bernardine Medical Center</i>	1 (0)	0.00	Average
Biswas, Shankha S	<i>St. Mary Medical Center – Apple Valley</i>	22 (0)	0.00	Average
Bowdish, Michael E	Surgeon Overall	63 (2)	6.14	Average
Bowdish, Michael E	<i>Huntington Memorial Hospital</i>	12 (1)	10.86	Average
Bowdish, Michael E	<i>Keck Hospital of University of Southern California</i>	10 (0)	0.00	Average
Bowdish, Michael E	<i>Los Angeles County/University of Southern California Medical Center</i>	41 (1)	6.84	Average
Boyd, Jack H	Surgeon Overall	118 (0)	0.00	Average
Boyd, Jack H	<i>Stanford Hospital</i>	118 (0)	0.00	Average
Boyd, Walter D	Surgeon Overall	55 (1)	3.92	Average
Boyd, Walter D	<i>UC Davis Medical Center</i>	55 (1)	3.92	Average
Brewster, Scot A	Surgeon Overall	67 (1)	2.25	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Brewster, Scot A	<i>Scripps Memorial Hospital – La Jolla</i>	67 (1)	2.25	Average
Burdon, Thomas A	Surgeon Overall	1 (0)	0.00	Average
Burdon, Thomas A	<i>Stanford Hospital</i>	1 (0)	0.00	Average
Burton, Elan C	Surgeon Overall	26 (0)	0.00	Average
Burton, Elan C	<i>Santa Clara Valley Medical Center</i>	26 (0)	0.00	Average
Bushnell, Lamar J	Surgeon Overall	67 (1)	1.17	Average
Bushnell, Lamar J	<i>Community Memorial Hospital – San Buenaventura</i>	67 (1)	1.17	Average
Caffarelli, Anthony D	Surgeon Overall	120 (3)	3.12	Average
Caffarelli, Anthony D	<i>Hoag Memorial Hospital Presbyterian</i>	120 (3)	3.12	Average
Cain, Brian S	Surgeon Overall	271 (3)	1.73	Average
Cain, Brian S	<i>Kaiser Foundation Hospital – San Francisco</i>	271 (3)	1.73	Average
Cambroner, Neil F	Surgeon Overall	7 (0)	0.00	Average
Cambroner, Neil F	<i>UC San Francisco Medical Center</i>	7 (0)	0.00	Average
Caminha, Sergio D	Surgeon Overall	164 (1)	0.48	Average
Caminha, Sergio D	<i>Kaweah Delta Medical Center</i>	164 (1)	0.48	Average
Canvasser, David A	Surgeon Overall	139 (4)	2.57	Average
Canvasser, David A	<i>French Hospital Medical Center</i>	79 (2)	2.93	Average
Canvasser, David A	<i>Marian Regional Medical Center</i>	60 (2)	2.28	Average
Capouya, Eli R	Surgeon Overall	175 (1)	0.84	Average
Capouya, Eli R	<i>Citrus Valley Medical Center Inter Community Campus</i>	36 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Capouya, Eli R	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	58 (0)	0.00	Average
Capouya, Eli R	<i>Good Samaritan Hospital – Los Angeles</i>	20 (0)	0.00	Average
Capouya, Eli R	<i>Huntington Memorial Hospital</i>	.	.	NA
Capouya, Eli R	<i>Methodist Hospital of Southern California</i>	55 (1)	2.83	Average
Capouya, Eli R	<i>Providence Saint Joseph Medical Center</i>	5 (0)	0.00	Average
Capouya, Eli R	<i>St. Vincent Medical Center</i>	1 (0)	0.00	Average
Castro, Luis J	Surgeon Overall	76 (2)	3.84	Average
Castro, Luis J	<i>Sequoia Hospital</i>	76 (2)	3.84	Average
Chammas, Joseph H	Surgeon Overall	22 (1)	9.14	Average
Chammas, Joseph H	<i>Palomar Health Downtown Campus</i>	6 (1)	21.91	Average
Chammas, Joseph H	<i>Sharp Memorial Hospital</i>	16 (1)	0.00	Average
Chaudhry, Pervaiz A	Surgeon Overall	205 (9)	3.45	Average
Chaudhry, Pervaiz A	<i>Community Regional Medical Center – Fresno</i>	179 (8)	3.28	Average
Chaudhry, Pervaiz A	<i>Fresno Heart and Surgical Hospital</i>	.	.	NA
Chaudhry, Pervaiz A	<i>Saint Agnes Medical Center</i>	26 (1)	5.91	Average
Chen, Raymond H	Surgeon Overall	180 (1)	1.12	Average
Chen, Raymond H	<i>Kaiser Foundation Hospital – Sunset</i>	180 (1)	1.12	Average
Cheng, Wen	Surgeon Overall	6 (2)	53.72	<b>Worse</b>
Cheng, Wen	<i>Cedars Sinai Medical Center</i>	6 (2)	53.72	<b>Worse</b>
Chow, Michael I	Surgeon Overall	228 (2)	1.03	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Chow, Michael I	<i>Mercy General Hospital</i>	228 (2)	1.03	Average
Chung, Joshua S	Surgeon Overall	8 (0)	0.00	Average
Chung, Joshua S	<i>Cedars Sinai Medical Center</i>	8 (0)	0.00	Average
Cobanoglu, Mustafa A	Surgeon Overall	7 (0)	0.00	Average
Cobanoglu, Mustafa A	<i>Loma Linda University Medical Center – Murrieta</i>	7 (0)	0.00	Average
Cohen, Robbin G	Surgeon Overall	158 (0)	0.00	Average
Cohen, Robbin G	<i>Huntington Memorial Hospital</i>	157 (0)	0.00	Average
Cohen, Robbin G	<i>Keck Hospital of University of Southern California</i>	1 (0)	0.00	Average
Cohler, Larry F	Surgeon Overall	38 (1)	1.50	Average
Cohler, Larry F	<i>Community Regional Medical Center – Fresno</i>	35 (1)	1.58	Average
Cohler, Larry F	<i>Saint Agnes Medical Center</i>	3 (0)	0.00	Average
Concepcion, Noel L	Surgeon Overall	177 (3)	1.32	Average
Concepcion, Noel L	<i>Doctors Medical Center</i>	134 (1)	0.57	Average
Concepcion, Noel L	<i>Emanuel Medical Center</i>	42 (2)	3.80	Average
Concepcion, Noel L	<i>Memorial Hospital Medical Center – Modesto</i>	1 (0)	0.00	Average
Cunningham, Mark J	Surgeon Overall	28 (2)	8.13	Average
Cunningham, Mark J	<i>Huntington Memorial Hospital</i>	3 (1)	32.75	Average
Cunningham, Mark J	<i>Keck Hospital of University of Southern California</i>	24 (1)	4.70	Average
Cunningham, Mark J	<i>Los Angeles County/University of Southern California Medical Center</i>	1 (0)	0.00	Average
Danielson, Daren S	Surgeon Overall	16 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Danielson, Daren S	<i>Sutter Medical Center – Sacramento</i>	16 (0)	0.00	Average
Darbinian, Sevak H	Surgeon Overall	142 (3)	2.34	Average
Darbinian, Sevak H	<i>Mission Hospital Regional Medical Center</i>	141 (3)	2.36	Average
Darbinian, Sevak H	<i>Saddleback Memorial Medical Center</i>	1 (0)	0.00	Average
Davtyan, Hakob G	Surgeon Overall	188 (5)	2.94	Average
Davtyan, Hakob G	<i>Riverside Community Hospital</i>	68 (1)	1.81	Average
Davtyan, Hakob G	<i>St. Bernardine Medical Center</i>	32 (1)	2.45	Average
Davtyan, Hakob G	<i>St. Mary Medical Center – Apple Valley</i>	88 (3)	4.04	Average
Deanda, Abelardo	Surgeon Overall	3 (0)	0.00	Average
Deanda, Abelardo	<i>Washington Hospital – Fremont</i>	3 (0)	0.00	Average
Declusin, Richard J	Surgeon Overall	59 (0)	0.00	Average
Declusin, Richard J	<i>St. John's Regional Medical Center</i>	59 (0)	0.00	Average
Deeik, Ramzi K	Surgeon Overall	92 (0)	0.00	Average
Deeik, Ramzi K	<i>Santa Rosa Memorial Hospital – Montgomery</i>	92 (0)	0.00	Average
Defilippi, Vincent J	Surgeon Overall	145 (4)	3.26	Average
Defilippi, Vincent J	<i>Salinas Valley Memorial Hospital</i>	145 (4)	3.26	Average
Dein, John R	Surgeon Overall	172 (0)	0.00	<b>Better</b>
Dein, John R	<i>Mercy General Hospital</i>	142 (0)	0.00	Average
Dein, John R	<i>Mercy San Juan Hospital</i>	30 (0)	0.00	Average
Delrio, Michael J	Surgeon Overall	52 (1)	1.91	Average



California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Delrio, Michael J	<i>Garfield Medical Center</i>	8 (0)	0.00	Average
Delrio, Michael J	<i>Riverside Community Hospital</i>	44 (1)	2.02	Average
Dembitsky, Walter P	Surgeon Overall	27 (0)	0.00	Average
Dembitsky, Walter P	<i>Sharp Memorial Hospital</i>	27 (0)	0.00	Average
Deuse, Tobias	Surgeon Overall	37 (0)	0.00	Average
Deuse, Tobias	<i>UC San Francisco Medical Center</i>	37 (0)	0.00	Average
Dhar, Naveen	Surgeon Overall	6 (0)	0.00	Average
Dhar, Naveen	<i>Fountain Valley Regional Hospital and Medical Center – Euclid</i>	6 (0)	0.00	Average
Dharan, Murali	Surgeon Overall	125 (0)	0.00	Average
Dharan, Murali	<i>John Muir Medical Center – Concord Campus</i>	87 (0)	0.00	Average
Dharan, Murali	<i>San Ramon Regional Medical Center</i>	19 (0)	0.00	Average
Dharan, Murali	<i>Valleycare Medical Center</i>	19 (0)	0.00	Average
Dhawan, Puneet	Surgeon Overall	125 (1)	1.04	Average
Dhawan, Puneet	<i>Los Angeles County/Harbor – UCLA Medical Center</i>	63 (1)	2.13	Average
Dhawan, Puneet	<i>St. Jude Medical Center</i>	59 (0)	0.00	Average
Dhawan, Puneet	<i>St. Mary Medical Center – Apple Valley</i>	3 (0)	0.00	Average
Dhillon, Jatinder S	Surgeon Overall	93 (3)	3.12	Average
Dhillon, Jatinder S	<i>John Muir Medical Center – Concord Campus</i>	78 (1)	1.24	Average
Dhillon, Jatinder S	<i>San Ramon Regional Medical Center</i>	6 (0)	0.00	Average
Dhillon, Jatinder S	<i>Valleycare Medical Center</i>	9 (2)	21.06	<b>Worse</b>

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Dunnington, Gansevoort H	Surgeon Overall	72 (4)	6.67	Average
Dunnington, Gansevoort H	<i>St. Helena Hospital</i>	72 (4)	6.67	Average
Egrie, Glenn D	Surgeon Overall	100 (4)	3.36	Average
Egrie, Glenn D	<i>California Pacific Medical Center – Pacific Campus</i>	100 (4)	3.36	Average
Ehrman, Walter J	Surgeon Overall	8 (1)	6.85	Average
Ehrman, Walter J	<i>Desert Regional Medical Center</i>	8 (1)	6.85	Average
Esmailian, Fardad	Surgeon Overall	141 (3)	3.24	Average
Esmailian, Fardad	<i>Cedars Sinai Medical Center</i>	141 (3)	3.24	Average
Faber, Luke A	Surgeon Overall	78 (1)	1.54	Average
Faber, Luke A	<i>French Hospital Medical Center</i>	50 (0)	0.00	Average
Faber, Luke A	<i>Marian Regional Medical Center</i>	28 (1)	3.29	Average
Faraci, Philip A	Surgeon Overall	37 (0)	0.00	Average
Faraci, Philip A	<i>Kaweah Delta Medical Center</i>	18 (0)	0.00	Average
Faraci, Philip A	<i>Lakewood Regional Medical Center</i>	.	.	NA
Faraci, Philip A	<i>Los Robles Hospital and Medical Center</i>	19 (0)	0.00	Average
Felahy, Isam	Surgeon Overall	70 (3)	3.10	Average
Felahy, Isam	<i>Dameron Hospital</i>	30 (1)	2.41	Average
Felahy, Isam	<i>St. Joseph's Medical Center of Stockton</i>	40 (2)	3.62	Average
Fischbein, Michael P	Surgeon Overall	36 (0)	0.00	Average
Fischbein, Michael P	<i>Stanford Hospital</i>	36 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Fleischman, Fernando	Surgeon Overall	42 (0)	0.00	Average
Fleischman, Fernando	<i>Huntington Memorial Hospital</i>	4 (0)	0.00	Average
Fleischman, Fernando	<i>Keck Hospital of University of Southern California</i>	8 (0)	0.00	Average
Fleischman, Fernando	<i>Los Angeles County/University of Southern California Medical Center</i>	30 (0)	0.00	Average
Florida, Rosario	Surgeon Overall	102 (5)	2.98	Average
Florida, Rosario	<i>Loma Linda University Medical Center</i>	94 (5)	3.19	Average
Florida, Rosario	<i>Loma Linda University Medical Center – Murrieta</i>	8 (0)	0.00	Average
Folkerth, Theodore L	Surgeon Overall	89 (1)	1.51	Average
Folkerth, Theodore L	<i>Tri-City Medical Center – Oceanside</i>	89 (1)	1.51	Average
Fontana, Gregory P	Surgeon Overall	12 (0)	0.00	Average
Fontana, Gregory P	<i>Los Robles Hospital and Medical Center</i>	12 (0)	0.00	Average
Freyaldenhoven, Stephen J	Surgeon Overall	91 (5)	4.41	Average
Freyaldenhoven, Stephen J	<i>French Hospital Medical Center</i>	40 (4)	6.01	Average
Freyaldenhoven, Stephen J	<i>Marian Regional Medical Center</i>	51 (1)	2.14	Average
Fung, Lit K	Surgeon Overall	217 (10)	3.39	Average
Fung, Lit K	<i>Memorial Hospital Medical Center – Modesto</i>	217 (10)	3.39	Average
Gao, Guangqiang	Surgeon Overall	165 (3)	1.40	Average
Gao, Guangqiang	<i>Beverly Hospital</i>	9 (0)	0.00	Average
Gao, Guangqiang	<i>Citrus Valley Medical Center Inter Community Campus</i>	30 (1)	3.98	Average
Gao, Guangqiang	<i>Garfield Medical Center</i>	23 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Gao, Guangqiang	<i>Methodist Hospital of Southern California</i>	7 (0)	0.00	Average
Gao, Guangqiang	<i>Pomona Valley Hospital Medical Center</i>	96 (2)	1.30	Average
Gates, Richard N	Surgeon Overall	55 (1)	2.83	Average
Gates, Richard N	<i>St. Joseph Hospital – Orange</i>	54 (1)	2.92	Average
Gates, Richard N	<i>UC Irvine Medical Center</i>	1 (0)	0.00	Average
Gaudiani, Vincent A	Surgeon Overall	34 (2)	6.73	Average
Gaudiani, Vincent A	<i>California Pacific Medical Center – Pacific Campus</i>	1 (0)	0.00	Average
Gaudiani, Vincent A	<i>Community Hospital of the Monterey Peninsula</i>	15 (1)	8.27	Average
Gaudiani, Vincent A	<i>El Camino Hospital</i>	17 (1)	7.02	Average
Gaudiani, Vincent A	<i>Mills Peninsula Medical Center</i>	1 (0)	0.00	Average
George, Kristopher M	Surgeon Overall	7 (1)	7.35	Average
George, Kristopher M	<i>Community Regional Medical Center – Fresno</i>	6 (1)	7.43	Average
George, Kristopher M	<i>Fresno Heart and Surgical Hospital</i>	1 (0)	0.00	Average
Gharai, Fariba	Surgeon Overall	25 (1)	4.94	Average
Gharai, Fariba	<i>Mission Hospital Regional Medical Center</i>	8 (0)	0.00	Average
Gharai, Fariba	<i>St. Joseph Hospital – Orange</i>	1 (0)	0.00	Average
Gharai, Fariba	<i>St. Jude Medical Center</i>	16 (1)	6.01	Average
Gharavi, Mohammad A	Surgeon Overall	57 (2)	2.64	Average
Gharavi, Mohammad A	<i>Los Robles Hospital and Medical Center</i>	25 (2)	5.29	Average
Gharavi, Mohammad A	<i>Providence Tarzana Medical Center</i>	13 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Gharavi, Mohammad A	<i>West Hills Hospital and Medical Center</i>	19 (0)	0.00	Average
Gheissari, Ali	Surgeon Overall	149 (2)	1.38	Average
Gheissari, Ali	<i>Citrus Valley Medical Center Inter Community Campus</i>	1 (0)	0.00	Average
Gheissari, Ali	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	11 (0)	0.00	Average
Gheissari, Ali	<i>Good Samaritan Hospital – Los Angeles</i>	115 (2)	1.78	Average
Gheissari, Ali	<i>Methodist Hospital of Southern California</i>	2 (0)	0.00	Average
Gheissari, Ali	<i>St. Vincent Medical Center</i>	20 (0)	0.00	Average
Gibson, Christopher F	Surgeon Overall	214 (4)	1.80	Average
Gibson, Christopher F	<i>St. Bernardine Medical Center</i>	213 (4)	1.81	Average
Gibson, Christopher F	<i>St. Mary Medical Center – Apple Valley</i>	1 (0)	0.00	Average
Golts, Eugene M	Surgeon Overall	139 (2)	2.13	Average
Golts, Eugene M	<i>Temecula Valley Hospital</i>	1 (0)	0.00	Average
Golts, Eugene M	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	138 (2)	2.18	Average
Gordon, Robert T	Surgeon Overall	134 (1)	0.85	Average
Gordon, Robert T	<i>Kaiser Foundation Hospital – Santa Clara</i>	134 (1)	0.85	Average
Gottner, Robert J	Surgeon Overall	131 (2)	2.08	Average
Gottner, Robert J	<i>Citrus Valley Medical Center Inter Community Campus</i>	1 (0)	0.00	Average
Gottner, Robert J	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	5 (0)	0.00	Average
Gottner, Robert J	<i>Good Samaritan Hospital – Los Angeles</i>	14 (1)	8.54	Average
Gottner, Robert J	<i>Methodist Hospital of Southern California</i>	25 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Gottner, Robert J	<i>Providence Saint Joseph Medical Center</i>	86 (1)	1.71	Average
Gramins, Daniel L	Surgeon Overall	14 (1)	3.65	Average
Gramins, Daniel L	<i>Temecula Valley Hospital</i>	1 (0)	0.00	Average
Gramins, Daniel L	<i>Tri-City Medical Center – Oceanside</i>	12 (1)	4.01	Average
Gramins, Daniel L	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	1 (0)	0.00	Average
Gregory, Richard D	Surgeon Overall	178 (3)	2.11	Average
Gregory, Richard D	<i>Saint Agnes Medical Center</i>	178 (3)	2.11	Average
Grewal, Navrose S	Surgeon Overall	135 (4)	2.19	Average
Grewal, Navrose S	<i>Lakewood Regional Medical Center</i>	56 (4)	4.48	Average
Grewal, Navrose S	<i>Long Beach Memorial Medical Center</i>	27 (0)	0.00	Average
Grewal, Navrose S	<i>PIH Hospital – Downey</i>	33 (0)	0.00	Average
Grewal, Navrose S	<i>Shasta Regional Medical Center</i>	2 (0)	0.00	Average
Grewal, Navrose S	<i>St. Mary Medical Center – Long Beach</i>	17 (0)	0.00	Average
Griffith, Patrick K	Surgeon Overall	120 (10)	8.63	<b>Worse</b>
Griffith, Patrick K	<i>Rideout Memorial Hospital</i>	120 (10)	8.63	<b>Worse</b>
Gundry, Steven R	Surgeon Overall	34 (2)	4.25	Average
Gundry, Steven R	<i>Desert Regional Medical Center</i>	34 (2)	4.25	Average
Ha, Richard–Tien V	Surgeon Overall	24 (0)	0.00	Average
Ha, Richard–Tien V	<i>Stanford Hospital</i>	24 (0)	0.00	Average
Habibipour, Saied	Surgeon Overall	181 (5)	2.42	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Habibipour, Saied	<i>Desert Regional Medical Center</i>	180 (5)	2.46	Average
Habibipour, Saied	<i>Eisenhower Medical Center</i>	1 (0)	0.00	Average
Hackmann, Amy E	Surgeon Overall	33 (0)	0.00	Average
Hackmann, Amy E	<i>Huntington Memorial Hospital</i>	2 (0)	0.00	Average
Hackmann, Amy E	<i>Keck Hospital of University of Southern California</i>	9 (0)	0.00	Average
Hackmann, Amy E	<i>Los Angeles County/University of Southern California Medical Center</i>	22 (0)	0.00	Average
Hajiseyedjavadi, Omid	Surgeon Overall	82 (0)	0.00	Average
Hajiseyedjavadi, Omid	<i>Good Samaritan Hospital – San Jose</i>	45 (0)	0.00	Average
Hajiseyedjavadi, Omid	<i>O'Connor Hospital – San Jose</i>	28 (0)	0.00	Average
Hajiseyedjavadi, Omid	<i>Regional Medical of San Jose</i>	9 (0)	0.00	Average
Harmon, Adam L	Surgeon Overall	11 (0)	0.00	Average
Harmon, Adam L	<i>Sequoia Hospital</i>	11 (0)	0.00	Average
Harper, Baron D	Surgeon Overall	82 (4)	4.46	Average
Harper, Baron D	<i>Rideout Memorial Hospital</i>	82 (4)	4.46	Average
Hasaniya, Nahidh W	Surgeon Overall	114 (3)	1.86	Average
Hasaniya, Nahidh W	<i>Loma Linda University Medical Center</i>	96 (3)	2.15	Average
Hasaniya, Nahidh W	<i>Loma Linda Univeristy Medical Center – Murrieta</i>	18 (0)	0.00	Average
Hemp, James R	Surgeon Overall	124 (1)	1.32	Average
Hemp, James R	<i>Scripps Green Hospital</i>	5 (0)	0.00	Average
Hemp, James R	<i>Scripps Memorial Hospital – La Jolla</i>	3 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Hemp, James R	<i>Scripps Mercy Hospital</i>	116 (1)	1.45	Average
Hiesinger, William	Surgeon Overall	4 (0)	0.00	Average
Hiesinger, William	<i>Stanford Hospital</i>	4 (0)	0.00	Average
Hill, Arthur C	Surgeon Overall	20 (0)	0.00	Average
Hill, Arthur C	<i>UC San Francisco Medical Center</i>	20 (0)	0.00	Average
Hodgins, Darren M	Surgeon Overall	107 (3)	2.53	Average
Hodgins, Darren M	<i>Beverly Hospital</i>	3 (1)	13.90	Average
Hodgins, Darren M	<i>Citrus Valley Medical Center – Inter Community Campus</i>	21 (0)	0.00	Average
Hodgins, Darren M	<i>Garfield Medical Center</i>	16 (1)	10.55	Average
Hodgins, Darren M	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	6 (1)	19.28	Average
Hodgins, Darren M	<i>White Memorial Medical Center</i>	61 (0)	0.00	Average
Hood, James S	Surgeon Overall	33 (2)	10.30	Average
Hood, James S	<i>Kaiser Foundation Hospital – San Francisco</i>	33 (2)	10.30	Average
Horan, Siobain M	Surgeon Overall	1 (0)	0.00	Average
Horan, Siobain M	<i>St. John's Regional Medical Center</i>	1 (0)	0.00	Average
Howden, Frederick M	Surgeon Overall	50 (1)	1.86	Average
Howden, Frederick M	<i>Alvarado Hospital Medical Center</i>	37 (0)	0.00	Average
Howden, Frederick M	<i>Grossmont Hospital</i>	11 (0)	0.00	Average
Howden, Frederick M	<i>Palomar Health Downtown Campus</i>	1 (1)	16.66	Average
Howden, Frederick M	<i>Tri-City Medical Center – Oceanside</i>	1 (0)	0.00	Average



California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Howe, Steven C	Surgeon Overall	145 (4)	2.91	Average
Howe, Steven C	<i>Temecula Valley Hospital</i>	144 (4)	2.94	Average
Howe, Steven C	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	1 (0)	0.00	Average
Huang, Mark W	Surgeon Overall	68 (0)	0.00	Average
Huang, Mark W	<i>Alvarado Hospital Medical Center</i>	1 (0)	0.00	Average
Huang, Mark W	<i>Palomar Health Downtown Campus</i>	3 (0)	0.00	Average
Huang, Mark W	<i>Sharp Chula Vista Medical Center</i>	64 (0)	0.00	Average
Huang, Ming–Lu	Surgeon Overall	369 (11)	2.59	Average
Huang, Ming–Lu	<i>Beverly Hospital</i>	28 (0)	0.00	Average
Huang, Ming–Lu	<i>Citrus Valley Medical Center Inter Community Campus</i>	134 (4)	2.31	Average
Huang, Ming–Lu	<i>Garfield Medical Center</i>	198 (6)	2.94	Average
Huang, Ming–Lu	<i>Methodist Hospital of Southern California</i>	9 (1)	6.36	Average
Huh, Joseph	Surgeon Overall	111 (0)	0.00	Average
Huh, Joseph	<i>Mercy General Hospital</i>	111 (0)	0.00	Average
Hunter, Curtis T	Surgeon Overall	49 (1)	2.16	Average
Hunter, Curtis T	<i>Ronald Reagan UCLA Medical Center</i>	38 (1)	3.84	Average
Hunter, Curtis T	<i>Saint John's Health Center</i>	11 (0)	0.00	Average
Hurwitz, Andrew S	Surgeon Overall	129 (4)	3.08	Average
Hurwitz, Andrew S	<i>California Hospital Medical Center – Los Angeles</i>	2 (0)	0.00	Average
Hurwitz, Andrew S	<i>Garfield Medical Center</i>	7 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Hurwitz, Andrew S	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	35 (1)	2.03	Average
Hurwitz, Andrew S	<i>Glendale Memorial Hospital and Health Center</i>	85 (3)	3.98	Average
Ingram, Michael T	Surgeon Overall	212 (7)	2.79	Average
Ingram, Michael T	<i>Sutter Medical Center – Sacramento</i>	212 (7)	2.79	Average
Iyengar, Sridhara K	Surgeon Overall	100 (1)	0.78	Average
Iyengar, Sridhara K	<i>Fountain Valley Regional Hospital and Medical Center – Euclid</i>	100 (1)	0.78	Average
Jain, Sarika	Surgeon Overall	129 (1)	0.61	Average
Jain, Sarika	<i>Pomona Valley Hospital Medical Center</i>	129 (1)	0.61	Average
Jolly, Shashank	Surgeon Overall	149 (1)	0.84	Average
Jolly, Shashank	<i>Regional Medical of San Jose</i>	1 (0)	0.00	Average
Jolly, Shashank	<i>Washington Hospital – Fremont</i>	148 (1)	0.84	Average
Jones, Blanding U	Surgeon Overall	181 (2)	2.00	Average
Jones, Blanding U	<i>Kaiser Foundation Hospital – Fontana</i>	10 (0)	0.00	Average
Jones, Blanding U	<i>Kaiser Foundation Hospital – Sunset</i>	171 (2)	2.16	Average
Joyo, Colin I	Surgeon Overall	97 (2)	2.00	Average
Joyo, Colin I	<i>Hoag Memorial Hospital Presbyterian</i>	97 (2)	2.00	Average
Kamlot, Andreas	Surgeon Overall	97 (1)	1.18	Average
Kamlot, Andreas	<i>John Muir Medical Center – Concord Campus</i>	86 (1)	1.31	Average
Kamlot, Andreas	<i>San Ramon Regional Medical Center</i>	2 (0)	0.00	Average
Kamlot, Andreas	<i>Valleycare Medical Center</i>	9 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Kaplon, Richard J	Surgeon Overall	167 (0)	0.00	<b>Better</b>
Kaplon, Richard J	<i>Mercy General Hospital</i>	43 (0)	0.00	Average
Kaplon, Richard J	<i>Mercy San Juan Hospital</i>	124 (0)	0.00	Average
Keyser, Eric	Surgeon Overall	50 (1)	1.86	Average
Keyser, Eric	<i>Pomona Valley Hospital Medical Center</i>	36 (0)	0.00	Average
Keyser, Eric	<i>St. Bernardine Medical Center</i>	14 (1)	6.76	Average
Khan, Ahmed M	Surgeon Overall	79 (4)	4.48	Average
Khan, Ahmed M	<i>Citrus Valley Medical Center – Inter Community Campus</i>	32 (1)	3.85	Average
Khan, Ahmed M	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	23 (0)	0.00	Average
Khan, Ahmed M	<i>Good Samaritan Hospital – Los Angeles</i>	15 (2)	6.07	Average
Khan, Ahmed M	<i>Methodist Hospital of Southern California</i>	6 (1)	28.42	Average
Khan, Ahmed M	<i>Providence Saint Joseph Medical Center</i>	3 (0)	0.00	Average
Khan, Junaid H	Surgeon Overall	119 (1)	0.78	Average
Khan, Junaid H	<i>Alta Bates Summit Medical Center – Summit Campus</i>	119 (1)	0.78	Average
Khan, Tanveer A	Surgeon Overall	77 (1)	1.44	Average
Khan, Tanveer A	<i>John Muir Medical Center – Concord Campus</i>	62 (0)	0.00	Average
Khan, Tanveer A	<i>San Ramon Regional Medical Center</i>	4 (0)	0.00	Average
Khan, Tanveer A	<i>Valleycare Medical Center</i>	11 (1)	5.55	Average
Khodaverdian, Reza	Surgeon Overall	69 (1)	1.43	Average
Khodaverdian, Reza	<i>Salinas Valley Memorial Hospital</i>	69 (1)	1.43	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Khoynezhad, Ali	Surgeon Overall	16 (1)	13.29	Average
Khoynezhad, Ali	<i>Cedars Sinai Medical Center</i>	16 (1)	13.29	Average
Khwaja, Shamsuddin	Surgeon Overall	339 (5)	1.70	Average
Khwaja, Shamsuddin	<i>Community Regional Medical Center – Fresno</i>	28 (1)	3.49	Average
Khwaja, Shamsuddin	<i>Fresno Heart and Surgical Hospital</i>	255 (4)	1.83	Average
Khwaja, Shamsuddin	<i>Saint Agnes Medical Center</i>	56 (0)	0.00	Average
Kiankhooy, Armin	Surgeon Overall	116 (0)	0.00	Average
Kiankhooy, Armin	<i>California Hospital Medical Center – Los Angeles</i>	23 (0)	0.00	Average
Kiankhooy, Armin	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	63 (0)	0.00	Average
Kiankhooy, Armin	<i>Glendale Memorial Hospital and Health Center</i>	27 (0)	0.00	Average
Kiankhooy, Armin	<i>St. Vincent Medical Center</i>	3 (0)	0.00	Average
Kincade, Robert C	Surgeon Overall	233 (3)	1.21	Average
Kincade, Robert C	<i>Sutter Medical Center – Sacramento</i>	233 (3)	1.21	Average
Kleisli, Thomas	Surgeon Overall	4 (0)	0.00	Average
Kleisli, Thomas	<i>Presbyterian Intercommunity Hospital</i>	4 (0)	0.00	Average
Klingman, Robert R	Surgeon Overall	122 (5)	3.49	Average
Klingman, Robert R	<i>North Bay Medical Center</i>	36 (3)	5.80	Average
Klingman, Robert R	<i>Queen of the Valley Hospital – Napa</i>	84 (2)	2.34	Average
Klingman, Robert R	<i>St. Helena Hospital</i>	2 (0)	0.00	Average
Kochamba, Gary S	Surgeon Overall	198 (1)	0.85	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Kochamba, Gary S	<i>Kaiser Foundation Hospital – Sunset</i>	198 (1)	0.85	Average
Korver, Keith F	Surgeon Overall	171 (6)	4.19	Average
Korver, Keith F	<i>California Pacific Medical Center – Pacific Campus</i>	1 (0)	0.00	Average
Korver, Keith F	<i>Marin General Hospital</i>	35 (3)	7.61	Average
Korver, Keith F	<i>Santa Rosa Memorial Hospital – Montgomery</i>	64 (1)	1.92	Average
Korver, Keith F	<i>Sutter Santa Rosa Regional Hospital</i>	71 (2)	3.89	Average
Koumjian, Michael P	Surgeon Overall	108 (8)	5.13	Average
Koumjian, Michael P	<i>Alvarado Hospital</i>	8 (0)	0.00	Average
Koumjian, Michael P	<i>Grossmont Hospital</i>	82 (6)	4.71	Average
Koumjian, Michael P	<i>Scripps Mercy Hospital</i>	11 (2)	11.47	Average
Koumjian, Michael P	<i>Sharp Chula Vista Medical Center</i>	7 (0)	0.00	Average
Kwon, Murray H	Surgeon Overall	37 (0)	0.00	Average
Kwon, Murray H	<i>Ronald Reagan UCLA Medical Center</i>	37 (0)	0.00	Average
Laks, Hillel	Surgeon Overall	7 (0)	0.00	Average
Laks, Hillel	<i>Ronald Reagan UCLA Medical Center</i>	7 (0)	0.00	Average
Lam, Tuan T	Surgeon Overall	157 (4)	2.80	Average
Lam, Tuan T	<i>Long Beach Memorial Medical Center</i>	27 (2)	6.50	Average
Lam, Tuan T	<i>Orange Coast Memorial Medical Center</i>	72 (2)	3.39	Average
Lam, Tuan T	<i>St. Jude Medical Center</i>	58 (0)	0.00	Average
Lapunzina, Paul M	Surgeon Overall	80 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Lapunzina, Paul M	<i>Kaiser Foundation Hospital – San Francisco</i>	80 (0)	0.00	Average
Larson, Craig R	Surgeon Overall	86 (1)	1.28	Average
Larson, Craig R	<i>Loma Linda Univeristy Medical Center</i>	.	.	NA
Larson, Craig R	<i>Loma Linda Univeristy Medical Center – Murrieta</i>	77 (1)	1.43	Average
Larson, Craig R	<i>Sharp Memorial Hospital</i>	9 (0)	0.00	Average
Lee, Anson M	Surgeon Overall	34 (2)	6.91	Average
Lee, Anson M	<i>Santa Clara Valley Medical Center</i>	14 (0)	0.00	Average
Lee, Anson M	<i>Stanford Hospital</i>	20 (2)	8.13	Average
Lee, Anthony W	Surgeon Overall	18 (0)	0.00	Average
Lee, Anthony W	<i>St. Francis Medical Center</i>	18 (0)	0.00	Average
Lee, Hon S	Surgeon Overall	119 (1)	0.80	Average
Lee, Hon S	<i>Kaiser Foundation Hospital – Santa Clara</i>	119 (1)	0.80	Average
Lee, Jeffrey D	Surgeon Overall	10 (0)	0.00	Average
Lee, Jeffrey D	<i>Saddleback Memorial Medical Center</i>	10 (0)	0.00	Average
Lee, Kenneth T	Surgeon Overall	25 (3)	11.13	Average
Lee, Kenneth T	<i>Desert Regional Medical Center</i>	24 (3)	11.46	Average
Lee, Kenneth T	<i>Shasta Regional Medical Center</i>	1 (0)	0.00	Average
Lee, Sang H	Surgeon Overall	110 (1)	0.94	Average
Lee, Sang H	<i>O'Connor Hospital – San Jose</i>	29 (0)	0.00	Average
Lee, Sang H	<i>Regional Medical of San Jose</i>	81 (1)	1.29	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Lemire, Guy G	Surgeon Overall	3 (1)	100.00	<b>Worse</b>
Lemire, Guy G	<i>Enloe Medical Center – Esplanade Campus</i>	2 (1)	100.00	<b>Worse</b>
Lemire, Guy G	<i>Shasta Regional Medical Center</i>	1 (0)	0.00	Average
Lemoine, Philippe H	Surgeon Overall	105 (7)	5.50	Average
Lemoine, Philippe H	<i>Centinela Hospital Medical Center</i>	61 (4)	5.60	Average
Lemoine, Philippe H	<i>Providence Little Company of Mary Hospital</i>	44 (3)	5.38	Average
Limmer, Karl K	Surgeon Overall	85 (2)	3.36	Average
Limmer, Karl K	<i>Sharp Memorial Hospital</i>	85 (2)	3.36	Average
Lin, John C	Surgeon Overall	38 (2)	4.62	Average
Lin, John C	<i>Community Regional Medical Center – Fresno</i>	8 (0)	0.00	Average
Lin, John C	<i>Fresno Heart and Surgical Hospital</i>	30 (2)	5.87	Average
Lin, Yuan H	Surgeon Overall	129 (4)	1.74	Average
Lin, Yuan H	<i>Alvarado Hospital</i>	6 (0)	0.00	Average
Lin, Yuan H	<i>Grossmont Hospital</i>	56 (2)	2.04	Average
Lin, Yuan H	<i>Palomar Health Downtown Campus</i>	67 (2)	1.56	Average
Liu, Minghui	Surgeon Overall	266 (12)	3.74	Average
Liu, Minghui	<i>Doctors Medical Center</i>	242 (10)	3.34	Average
Liu, Minghui	<i>Emanuel Medical Center</i>	24 (2)	9.28	Average
Longoria, James	Surgeon Overall	172 (3)	1.41	Average
Longoria, James	<i>Sutter Medical Center – Sacramento</i>	172 (3)	1.41	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
MacMillan, James C	Surgeon Overall	120 (5)	3.13	Average
MacMillan, James C	<i>Doctors Medical Center</i>	98 (4)	2.90	Average
MacMillan, James C	<i>Emanuel Medical Center</i>	22 (1)	4.65	Average
Madani, Michael M	Surgeon Overall	9 (0)	0.00	Average
Madani, Michael M	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	9 (0)	0.00	Average
Mahendra, Tom	Surgeon Overall	18 (0)	0.00	Average
Mahendra, Tom	<i>Antelope Valley Hospital</i>	11 (0)	0.00	Average
Mahendra, Tom	<i>Palmdale Regional Medical Center</i>	7 (0)	0.00	Average
Malekmehr, Farshad	Surgeon Overall	52 (1)	2.85	Average
Malekmehr, Farshad	<i>Hollywood Presbyterian Medical Center</i>	1 (0)	0.00	Average
Malekmehr, Farshad	<i>Providence Holy Cross Medical Center</i>	1 (0)	0.00	Average
Malekmehr, Farshad	<i>St. Francis Medical Center</i>	17 (1)	10.32	Average
Malekmehr, Farshad	<i>Valley Presbyterian Hospital</i>	33 (0)	0.00	Average
Malki, Alan E	Surgeon Overall	244 (17)	6.11	<b>Worse</b>
Malki, Alan E	<i>Santa Barbara Cottage Hospital</i>	18 (0)	0.00	Average
Malki, Alan E	<i>St. Bernardine Medical Center</i>	226 (17)	6.51	<b>Worse</b>
Marmureanu, Alexandru R	Surgeon Overall	20 (0)	0.00	Average
Marmureanu, Alexandru R	<i>Hollywood Presbyterian Medical Center</i>	10 (0)	0.00	Average
Marmureanu, Alexandru R	<i>St. Vincent Medical Center</i>	10 (0)	0.00	Average
Mazur, Paul A	Surgeon Overall	128 (2)	1.60	Average



California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Mazur, Paul A	<i>Shasta Regional Medical Center</i>	119 (1)	0.85	Average
Mazur, Paul A	<i>Tri-City Medical Center – Oceanside</i>	9 (1)	13.34	Average
McConnell, Douglas H	Surgeon Overall	4 (0)	0.00	Average
McConnell, Douglas H	<i>Shasta Regional Medical Center</i>	4 (0)	0.00	Average
McLean, Michael K	Surgeon Overall	26 (1)	2.24	Average
McLean, Michael K	<i>California Hospital Medical Center – Los Angeles</i>	.	.	NA
McLean, Michael K	<i>Hollywood Presbyterian Medical Center</i>	1 (0)	0.00	Average
McLean, Michael K	<i>Shasta Regional Medical Center</i>	12 (0)	0.00	Average
McLean, Michael K	<i>St. Vincent Medical Center</i>	13 (1)	10.89	Average
McPherson, James G	Surgeon Overall	48 (3)	5.83	Average
McPherson, James G	<i>Centinela Hospital Medical Center</i>	2 (1)	13.79	Average
McPherson, James G	<i>St. John's Regional Medical Center</i>	41 (2)	4.80	Average
McPherson, James G	<i>St. Vincent Medical Center</i>	5 (0)	0.00	Average
Melikian, Vicken	Surgeon Overall	42 (1)	2.56	Average
Melikian, Vicken	<i>Kaiser Foundation Hospital – San Francisco</i>	42 (1)	2.56	Average
Mellinger, Douglas N	Surgeon Overall	104 (2)	2.99	Average
Mellinger, Douglas N	<i>Scripps Memorial Hospital – La Jolla</i>	104 (2)	2.99	Average
Merrick, Scot H	Surgeon Overall	104 (0)	0.00	Average
Merrick, Scot H	<i>Marin General Hospital</i>	21 (0)	0.00	Average
Merrick, Scot H	<i>UC San Francisco Medical Center</i>	83 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Meyer, Dan M	Surgeon Overall	46 (0)	0.00	Average
Meyer, Dan M	<i>Scripps Memorial Hospital – La Jolla</i>	46 (0)	0.00	Average
Miller, David C	Surgeon Overall	.	.	NA
Miller, David C	<i>Stanford Hospital</i>	.	.	NA
Milliken, Jeffrey C	Surgeon Overall	118 (6)	5.50	Average
Milliken, Jeffrey C	<i>UC Irvine Medical Center</i>	118 (6)	5.50	Average
Minasyan, Sarah Z	Surgeon Overall	3 (0)	0.00	Average
Minasyan, Sarah Z	<i>Community Regional Medical Center – Fresno</i>	3 (0)	0.00	Average
Misbach, Gregory A	Surgeon Overall	2 (0)	0.00	Average
Misbach, Gregory A	<i>St. Mary Medical Center – Apple Valley</i>	2 (0)	0.00	Average
Mitruka, Surindra N	Surgeon Overall	44 (2)	6.34	Average
Mitruka, Surindra N	<i>Palomar Health Downtown Campus</i>	44 (2)	6.34	Average
Mohammadzadeh, Gholam R	Surgeon Overall	109 (4)	2.97	Average
Mohammadzadeh, Gholam R	<i>Los Robles Hospital and Medical Center</i>	54 (2)	2.72	Average
Mohammadzadeh, Gholam R	<i>Providence Tarzana Medical Center</i>	25 (0)	0.00	Average
Mohammadzadeh, Gholam R	<i>St. John's Regional Medical Center</i>	5 (0)	0.00	Average
Mohammadzadeh, Gholam R	<i>West Hills Hospital and Medical Center</i>	25 (2)	5.92	Average
Montero, Erick L	Surgeon Overall	95 (3)	4.41	Average
Montero, Erick L	<i>Long Beach Memorial Medical Center</i>	1 (0)	0.00	Average
Montero, Erick L	<i>Mission Hospital Regional Medical Center</i>	14 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Montero, Erick L	<i>Orange Coast Memorial Medical Center</i>	15 (0)	0.00	Average
Montero, Erick L	<i>Saddleback Memorial Medical Center</i>	65 (3)	6.98	Average
Morales, Rodolfo A	Surgeon Overall	52 (1)	1.50	Average
Morales, Rodolfo A	<i>Good Samaritan Hospital – San Jose</i>	52 (1)	1.50	Average
Morenocabral, Ricardo J	Surgeon Overall	127 (10)	5.12	<b>Worse</b>
Morenocabral, Ricardo J	<i>Alvarado Hospital</i>	2 (0)	0.00	Average
Morenocabral, Ricardo J	<i>Grossmont Hospital</i>	61 (4)	4.79	Average
Morenocabral, Ricardo J	<i>Scripps Mercy Hospital</i>	4 (0)	0.00	Average
Morenocabral, Ricardo J	<i>Sharp Chula Vista Medical Center</i>	60 (6)	5.58	Average
Morris, Allen S	Surgeon Overall	80 (3)	3.74	Average
Morris, Allen S	<i>Mercy General Hospital</i>	79 (3)	3.76	Average
Morris, Allen S	<i>Mercy San Juan Hospital</i>	1 (0)	0.00	Average
Morrissey, James D	Surgeon Overall	262 (8)	1.91	Average
Morrissey, James D	<i>Dameron Hospital</i>	29 (0)	0.00	Average
Morrissey, James D	<i>St. Joseph's Medical Center of Stockton</i>	233 (8)	2.09	Average
Mudge, Devin R	Surgeon Overall	259 (2)	0.94	Average
Mudge, Devin R	<i>Kaiser Foundation Hospital – Fontana</i>	259 (2)	0.94	Average
Mumtaz, Seemal	Surgeon Overall	52 (1)	0.94	Average
Mumtaz, Seemal	<i>Grossmont Hospital</i>	1 (0)	0.00	Average
Mumtaz, Seemal	<i>Sharp Chula Vista Medical Center</i>	51 (1)	0.95	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Nasseri, Andrew F	Surgeon Overall	2 (0)	0.00	Average
Nasseri, Andrew F	<i>Emanuel Medical Center</i>	2 (0)	0.00	Average
Nucho, Ramsay C	Surgeon Overall	74 (2)	2.61	Average
Nucho, Ramsay C	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	11 (0)	0.00	Average
Nucho, Ramsay C	<i>White Memorial Medical Center</i>	63 (2)	2.96	Average
Odeh, Yousef M	Surgeon Overall	3 (0)	0.00	Average
Odeh, Yousef M	<i>Presbyterian Intercommunity Hospital</i>	3 (0)	0.00	Average
Ogden, William D	Surgeon Overall	68 (0)	0.00	Average
Ogden, William D	<i>Santa Clara Valley Medical Center</i>	68 (0)	0.00	Average
Oka, Tomomi	Surgeon Overall	114 (0)	0.00	Average
Oka, Tomomi	<i>El Camino Hospital</i>	51 (0)	0.00	Average
Oka, Tomomi	<i>Mills Peninsula Medical Center</i>	63 (0)	0.00	Average
Omari, Bassam O	Surgeon Overall	98 (2)	2.86	Average
Omari, Bassam O	<i>Desert Valley Hospital</i>	1 (0)	0.00	Average
Omari, Bassam O	<i>Los Angeles County/Harbor – UCLA Medical Center</i>	58 (1)	2.38	Average
Omari, Bassam O	<i>St. Francis Medical Center</i>	34 (1)	4.71	Average
Omari, Bassam O	<i>St. Mary Medical Center – Apple Valley</i>	3 (0)	0.00	Average
Omari, Bassam O	<i>St. Mary Medical Center – Long Beach</i>	2 (0)	0.00	Average
Ott, Richard A	Surgeon Overall	288 (4)	1.41	Average
Ott, Richard A	<i>AHMC Anaheim Regional Medical Center</i>	173 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Ott, Richard A	Anaheim Global Medical Center	22 (2)	4.38	Average
Ott, Richard A	Orange County Global Medical Center	93 (2)	1.40	Average
Overton, John B	Surgeon Overall	18 (0)	0.00	Average
Overton, John B	Dameron Hospital	18 (0)	0.00	Average
Palafox, Brian A	Surgeon Overall	121 (2)	1.57	Average
Palafox, Brian A	St. Joseph Hospital – Orange	120 (2)	1.59	Average
Palafox, Brian A	UC Irvine Medical Center	1 (0)	0.00	Average
Pamula, Ramesh B	Surgeon Overall	17 (1)	2.65	Average
Pamula, Ramesh B	Community Regional Medical Center – Fresno	14 (0)	0.00	Average
Pamula, Ramesh B	Fresno Heart and Surgical Hospital	3 (1)	4.35	Average
Panagiotides, George P	Surgeon Overall	201 (4)	1.76	Average
Panagiotides, George P	Lakewood Regional Medical Center	91 (3)	2.67	Average
Panagiotides, George P	Long Beach Memorial Medical Center	60 (1)	1.88	Average
Panagiotides, George P	Orange County Global Medical Center	2 (0)	0.00	Average
Panagiotides, George P	PIH Hospital – Downey	31 (0)	0.00	Average
Panagiotides, George P	Presbyterian Intercommunity Hospital	1 (0)	0.00	Average
Panagiotides, George P	Shasta Regional Medical Center	10 (0)	0.00	Average
Panagiotides, George P	St. Mary Medical Center – Long Beach	6 (0)	0.00	Average
Paw, Patrick T	Surgeon Overall	119 (2)	1.48	Average
Paw, Patrick T	Bakersfield Heart Hospital	3 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Paw, Patrick T	<i>Bakersfield Memorial Hospital</i>	54 (0)	0.00	Average
Paw, Patrick T	<i>San Joaquin Community Hospital</i>	62 (2)	3.64	Average
Peck, Eric A	Surgeon Overall	93 (5)	5.86	Average
Peck, Eric A	<i>Bakersfield Heart Hospital</i>	5 (1)	20.46	Average
Peck, Eric A	<i>Bakersfield Memorial Hospital</i>	50 (4)	7.19	Average
Peck, Eric A	<i>San Joaquin Community Hospital</i>	38 (0)	0.00	Average
Perch, Paul G	Surgeon Overall	250 (2)	1.47	Average
Perch, Paul G	<i>Kaiser Foundation Hospital – Sunset</i>	250 (2)	1.47	Average
Perkowski, David J	Surgeon Overall	61 (4)	5.11	Average
Perkowski, David J	<i>Saddleback Memorial Medical Center</i>	61 (4)	5.11	Average
Perricone, Anthony	Surgeon Overall	1 (0)	0.00	Average
Perricone, Anthony	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	1 (0)	0.00	Average
Perry, Paul A	Surgeon Overall	14 (1)	12.68	Average
Perry, Paul A	<i>UC Davis Medical Center</i>	14 (1)	12.68	Average
Petrik, Pavel V	Surgeon Overall	11 (2)	30.19	<b>Worse</b>
Petrik, Pavel V	<i>Antelope Valley Hospital</i>	7 (1)	24.10	Average
Petrik, Pavel V	<i>Palmdale Regional Medical Center</i>	4 (1)	40.39	Average
Pfeffer, Thomas A	Surgeon Overall	270 (6)	3.85	Average
Pfeffer, Thomas A	<i>Kaiser Foundation Hospital – Sunset</i>	270 (6)	3.85	Average
Phillips, Robert A	Surgeon Overall	15 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Phillips, Robert A	<i>Long Beach Memorial Medical Center</i>	8 (0)	0.00	Average
Phillips, Robert A	<i>Orange Coast Memorial Medical Center</i>	7 (0)	0.00	Average
Poa, Li	Surgeon Overall	166 (10)	5.34	<b>Worse</b>
Poa, Li	<i>Providence Little Company of Mary Hospital</i>	166 (10)	5.34	<b>Worse</b>
Pollema, Travis L	Surgeon Overall	56 (0)	0.00	Average
Pollema, Travis L	<i>Temecula Valley Hospital</i>	5 (0)	0.00	Average
Pollema, Travis L	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	51 (0)	0.00	Average
Pompili, Mario F	Surgeon Overall	113 (3)	2.42	Average
Pompili, Mario F	<i>Kaiser Foundation Hospital – San Francisco</i>	.	.	NA
Pompili, Mario F	<i>Kaiser Foundation Hospital – Santa Clara</i>	113 (3)	2.42	Average
Postel, Joachim M	Surgeon Overall	38 (1)	1.14	Average
Postel, Joachim M	<i>St. Joseph Hospital – Eureka</i>	38 (1)	1.14	Average
Pottmeyer, Edward W	Surgeon Overall	171 (4)	1.90	Average
Pottmeyer, Edward W	<i>Good Samaritan Hospital – San Jose</i>	5 (0)	0.00	Average
Pottmeyer, Edward W	<i>Mercy Medical Center – Redding</i>	161 (4)	1.96	Average
Pottmeyer, Edward W	<i>Shasta Regional Medical Center</i>	5 (0)	0.00	Average
Powers, Matthew E	Surgeon Overall	141 (4)	2.89	Average
Powers, Matthew E	<i>Eisenhower Medical Center</i>	141 (4)	2.89	Average
Pretorius, Gertdiederick V	Surgeon Overall	73 (2)	1.90	Average
Pretorius, Gertdiederick V	<i>UC San Diego Health – Sulpizio Cardiovascular Center</i>	73 (2)	1.90	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Puig–Palomar, Miguel	Surgeon Overall	280 (6)	2.47	Average
Puig–Palomar, Miguel	<i>Enloe Medical Center – Esplanade Campus</i>	280 (6)	2.47	Average
Purewal, Sarabjit S	Surgeon Overall	249 (8)	3.65	Average
Purewal, Sarabjit S	<i>Bakersfield Heart Hospital</i>	90 (6)	8.72	<b>Worse</b>
Purewal, Sarabjit S	<i>Bakersfield Memorial Hospital</i>	86 (0)	0.00	Average
Purewal, Sarabjit S	<i>San Joaquin Community Hospital</i>	73 (2)	2.14	Average
Pusca, Sorin V	Surgeon Overall	6 (0)	0.00	Average
Pusca, Sorin V	<i>Enloe Medical Center – Esplanade Campus</i>	6 (0)	0.00	Average
Rabkin, David G	Surgeon Overall	127 (4)	2.24	Average
Rabkin, David G	<i>Loma Linda University Medical Center</i>	124 (4)	2.28	Average
Rabkin, David G	<i>Loma Linda University Medical Center – Murrieta</i>	3 (0)	0.00	Average
Raissi, Sharo	Surgeon Overall	2 (0)	0.00	Average
Raissi, Sharo	<i>Saint John's Health Center</i>	2 (0)	0.00	Average
Ramzy, Danny	Surgeon Overall	73 (1)	2.06	Average
Ramzy, Danny	<i>Cedars Sinai Medical Center</i>	73 (1)	2.06	Average
Raney, Aidan A	Surgeon Overall	60 (1)	1.69	Average
Raney, Aidan A	<i>Hoag Memorial Hospital Presbyterian</i>	60 (1)	1.69	Average
Rasi, Alfredo L	Surgeon Overall	29 (2)	8.66	Average
Rasi, Alfredo L	<i>Loma Linda Univeristy Medical Center – Murrieta</i>	29 (2)	8.66	Average
Razzouk, Anees J	Surgeon Overall	49 (0)	0.00	Average



California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Razzouk, Anees J	<i>Loma Linda Univeristy Medical Center</i>	49 (0)	0.00	Average
Reemtsen, Brian L	Surgeon Overall	26 (0)	0.00	Average
Reemtsen, Brian L	<i>Ronald Reagan UCLA Medical Center</i>	26 (0)	0.00	Average
Roberts, Randall F	Surgeon Overall	166 (5)	2.99	Average
Roberts, Randall F	<i>California Hospital Medical Center – Los Angeles</i>	33 (0)	0.00	Average
Roberts, Randall F	<i>Glendale Adventist Medical Center – Wilson Terrace</i>	47 (4)	7.49	Average
Roberts, Randall F	<i>Glendale Memorial Hospital and Health Center</i>	85 (1)	1.72	Average
Roberts, Randall F	<i>St. Vincent Medical Center</i>	1 (0)	0.00	Average
Robertson, John M	Surgeon Overall	34 (1)	5.09	Average
Robertson, John M	<i>Saint John's Health Center</i>	34 (1)	5.09	Average
Rosenburg, Jeffrey M	Surgeon Overall	14 (0)	0.00	Average
Rosenburg, Jeffrey M	<i>Palomar Health Downtown Campus</i>	14 (0)	0.00	Average
Sakopoulos, Andreas G	Surgeon Overall	105 (7)	4.64	Average
Sakopoulos, Andreas G	<i>St. Helena Hospital</i>	105 (7)	4.64	Average
Salem, Fakhri M	Surgeon Overall	115 (7)	4.33	Average
Salem, Fakhri M	<i>Grossmont Hospital</i>	11 (1)	5.94	Average
Salem, Fakhri M	<i>Scripps Mercy Hospital</i>	104 (6)	4.15	Average
Schwartz, Steven M	Surgeon Overall	28 (0)	0.00	Average
Schwartz, Steven M	<i>Good Samaritan Hospital – San Jose</i>	25 (0)	0.00	Average
Schwartz, Steven M	<i>O'Connor Hospital – San Jose</i>	3 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Serna, Daniel L	Surgeon Overall	253 (3)	1.43	Average
Serna, Daniel L	<i>Kaiser Foundation Hospital – Fontana</i>	253 (3)	1.43	Average
Shafi, Bilal M	Surgeon Overall	136 (4)	2.04	Average
Shafi, Bilal M	<i>Community Hospital of the Monterey Peninsula</i>	2 (0)	0.00	Average
Shafi, Bilal M	<i>Dominican Hospital – Santa Cruz/Soquel</i>	127 (4)	2.09	Average
Shafi, Bilal M	<i>El Camino Hospital</i>	2 (0)	0.00	Average
Shafi, Bilal M	<i>Good Samaritan Hospital – San Jose</i>	5 (0)	0.00	Average
Shah, Aamir S	Surgeon Overall	13 (0)	0.00	Average
Shah, Aamir S	<i>Cedars Sinai Medical Center</i>	13 (0)	0.00	Average
Shah, Sachin	Surgeon Overall	28 (1)	3.19	Average
Shah, Sachin	<i>California Pacific Medical Center – Pacific Campus</i>	23 (1)	3.73	Average
Shah, Sachin	<i>Dominican Hospital – Santa Cruz/Soquel</i>	5 (0)	0.00	Average
Sharma, Kapil	Surgeon Overall	53 (1)	1.76	Average
Sharma, Kapil	<i>Mercy General Hospital</i>	53 (1)	1.76	Average
Shayan, Hossein	Surgeon Overall	144 (8)	4.47	Average
Shayan, Hossein	<i>Riverside Community Hospital</i>	23 (0)	0.00	Average
Shayan, Hossein	<i>San Antonio Community Hospital</i>	105 (8)	5.43	Average
Shayan, Hossein	<i>St. Mary Medical Center – Apple Valley</i>	16 (0)	0.00	Average
Sheikh, Ahmad Y	Surgeon Overall	188 (0)	0.00	Average
Sheikh, Ahmad Y	<i>Kaiser Foundation Hospital – San Francisco</i>	160 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Sheikh, Ahmad Y	<i>Salinas Valley Memorial Hospital</i>	1 (0)	0.00	Average
Sheikh, Ahmad Y	<i>Santa Clara Valley Medical Center</i>	27 (0)	0.00	Average
Shemin, Richard J	Surgeon Overall	48 (1)	1.86	Average
Shemin, Richard J	<i>Ronald Reagan UCLA Medical Center</i>	48 (1)	1.86	Average
Sheridan, Brett C	Surgeon Overall	11 (0)	0.00	Average
Sheridan, Brett C	<i>California Pacific Medical Center – Pacific Campus</i>	11 (0)	0.00	Average
Shuman, Robert L	Surgeon Overall	13 (1)	2.75	Average
Shuman, Robert L	<i>Long Beach Memorial Medical Center</i>	13 (1)	2.75	Average
Silva, Raymond	Surgeon Overall	25 (4)	12.18	<b>Worse</b>
Silva, Raymond	<i>Good Samaritan Hospital – San Jose</i>	19 (2)	8.22	Average
Silva, Raymond	<i>Mercy Medical Center – Redding</i>	1 (0)	0.00	Average
Silva, Raymond	<i>O'Connor Hospital – San Jose</i>	1 (0)	0.00	Average
Silva, Raymond	<i>Orange Coast Memorial Medical Center</i>	1 (1)	43.43	Average
Silva, Raymond	<i>Regional Medical of San Jose</i>	2 (0)	0.00	Average
Silva, Raymond	<i>Washington Hospital – Fremont</i>	1 (1)	18.87	Average
Slachman, Frank N	Surgeon Overall	93 (1)	1.02	Average
Slachman, Frank N	<i>Mercy General Hospital</i>	86 (1)	1.08	Average
Slachman, Frank N	<i>Mercy San Juan Hospital</i>	7 (0)	0.00	Average
Smith, Larry H	Surgeon Overall	13 (3)	12.48	<b>Worse</b>
Smith, Larry H	<i>Mercy Medical Center – Redding</i>	13 (3)	12.48	<b>Worse</b>

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015-2016\*

Surgeon	Hospital	Operative Mortality 2015-2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Soltero, Michael J	Surgeon Overall	98 (3)	2.44	Average
Soltero, Michael J	<i>Henry Mayo Newhall Memorial Hospital</i>	26 (1)	3.48	Average
Soltero, Michael J	<i>Northridge Hospital Medical Center</i>	31 (1)	2.47	Average
Soltero, Michael J	<i>Providence Holy Cross Medical Center</i>	34 (1)	2.05	Average
Soltero, Michael J	<i>Providence Tarzana Medical Center</i>	4 (0)	0.00	Average
Soltero, Michael J	<i>Valley Presbyterian Hospital</i>	1 (0)	0.00	Average
Soltero, Michael J	<i>West Hills Hospital and Medical Center</i>	2 (0)	0.00	Average
Spowart, Gregory S	Surgeon Overall	177 (2)	1.14	Average
Spowart, Gregory S	<i>Community Hospital of the Monterey Peninsula</i>	177 (2)	1.14	Average
Stahl, Richard D	Surgeon Overall	185 (4)	2.47	Average
Stahl, Richard D	<i>Scripps Memorial Hospital – La Jolla</i>	185 (4)	2.47	Average
Stanten, Russell D	Surgeon Overall	107 (3)	2.07	Average
Stanten, Russell D	<i>Alta Bates Summit Medical Center – Summit Campus – Hawthorne</i>	107 (3)	2.07	Average
Starnes, Vaughn A	Surgeon Overall	28 (0)	0.00	Average
Starnes, Vaughn A	<i>Keck Hospital of University of Southern California</i>	28 (0)	0.00	Average
Stein, Alexander G	Surgeon Overall	118 (5)	2.33	Average
Stein, Alexander G	<i>Long Beach Memorial Medical Center</i>	30 (1)	1.84	Average
Stein, Alexander G	<i>St. Mary Medical Center – Long Beach</i>	88 (4)	2.50	Average
Stewart, Robert D	Surgeon Overall	109 (3)	2.37	Average
Stewart, Robert D	<i>Community Regional Medical Center – Fresno</i>	91 (2)	1.82	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Stewart, Robert D	<i>Fresno Heart and Surgical Hospital</i>	7 (1)	14.59	Average
Stewart, Robert D	<i>Saint Agnes Medical Center</i>	11 (0)	0.00	Average
Stoneburner, John M	Surgeon Overall	90 (1)	1.43	Average
Stoneburner, John M	<i>Torrance Memorial Medical Center</i>	90 (1)	1.43	Average
Sun, Jack C	Surgeon Overall	78 (0)	0.00	Average
Sun, Jack C	<i>Keck Hospital of University of Southern California</i>	.	.	NA
Sun, Jack C	<i>Los Angeles County/University of Southern California Medical Center</i>	1 (0)	0.00	Average
Sun, Jack C	<i>Torrance Memorial Medical Center</i>	77 (0)	0.00	Average
Talieh, Yahya J	Surgeon Overall	66 (0)	0.00	Average
Talieh, Yahya J	<i>Doctors Medical Center</i>	18 (0)	0.00	Average
Talieh, Yahya J	<i>Memorial Hospital Medical Center – Modesto</i>	48 (0)	0.00	Average
Tang, Eddie	Surgeon Overall	86 (8)	4.67	Average
Tang, Eddie	<i>O'Connor Hospital – San Jose</i>	16 (3)	10.79	Average
Tang, Eddie	<i>Regional Medical of San Jose</i>	56 (4)	3.35	Average
Tang, Eddie	<i>St. Mary's Medical Center – San Francisco</i>	14 (1)	4.13	Average
Tang, Taylor	Surgeon Overall	21 (0)	0.00	Average
Tang, Taylor	<i>Mission Hospital Regional Medical Center</i>	18 (0)	0.00	Average
Tang, Taylor	<i>St. Joseph Hospital – Orange</i>	3 (0)	0.00	Average
Taylor, Benedict J	Surgeon Overall	2 (0)	0.00	Average
Taylor, Benedict J	<i>Santa Barbara Cottage Hospital</i>	.	.	NA

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Taylor, Benedict J	<i>St. Helena Hospital</i>	2 (0)	0.00	Average
Tedesco, Dominic J	Surgeon Overall	108 (7)	7.46	<b>Worse</b>
Tedesco, Dominic J	<i>Community Memorial Hospital – San Buenaventura</i>	108 (7)	7.46	<b>Worse</b>
Tedesco, Dominic J	<i>St. John's Regional Medical Center</i>	.	.	NA
Tendulkar, Amod P	Surgeon Overall	154 (8)	3.67	Average
Tendulkar, Amod P	<i>Dameron Hospital</i>	19 (0)	0.00	Average
Tendulkar, Amod P	<i>St. Joseph's Medical Center of Stockton</i>	135 (8)	3.99	Average
Thibault, William N	Surgeon Overall	62 (0)	0.00	Average
Thibault, William N	<i>Mission Hospital Regional Medical Center</i>	19 (0)	0.00	Average
Thibault, William N	<i>St. Jude Medical Center</i>	43 (0)	0.00	Average
Thomas, Donald D	Surgeon Overall	59 (0)	0.00	Average
Thomas, Donald D	<i>Santa Barbara Cottage Hospital</i>	59 (0)	0.00	Average
Toporoff, Bruce M	Surgeon Overall	48 (1)	1.42	Average
Toporoff, Bruce M	<i>Los Robles Hospital and Medical Center</i>	11 (0)	0.00	Average
Toporoff, Bruce M	<i>Orange Coast Memorial Medical Center</i>	..	.	NA
Toporoff, Bruce M	<i>St. John's Regional Medical Center</i>	37 (1)	1.74	Average
Tovar, Eduardo A	Surgeon Overall	116 (2)	1.16	Average
Tovar, Eduardo A	<i>Presbyterian Intercommunity Hospital</i>	116 (2)	1.16	Average
Trento, Alfredo	Surgeon Overall	59 (0)	0.00	Average
Trento, Alfredo	<i>Cedars Sinai Medical Center</i>	59 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Trivedi, Rohitkumar R	Surgeon Overall	55 (2)	3.65	Average
Trivedi, Rohitkumar R	<i>Desert Valley Hospital</i>	55 (2)	3.65	Average
Trivedi, Rohitkumar R	<i>San Antonio Community Hospital</i>	.	.	NA
Tsau, Pei H	Surgeon Overall	127 (5)	3.41	Average
Tsau, Pei H	<i>El Camino Hospital</i>	107 (4)	2.92	Average
Tsau, Pei H	<i>Mills Peninsula Medical Center</i>	20 (1)	10.44	Average
Tyner, John J	Surgeon Overall	118 (0)	0.00	Average
Tyner, John J	<i>Scripps Green Hospital</i>	77 (0)	0.00	Average
Tyner, John J	<i>Scripps Memorial Hospital – La Jolla</i>	41 (0)	0.00	Average
Veeragandham, Ramesh S	Surgeon Overall	78 (1)	1.17	Average
Veeragandham, Ramesh S	<i>John Muir Medical Center – Concord Campus</i>	64 (1)	1.32	Average
Veeragandham, Ramesh S	<i>San Ramon Regional Medical Center</i>	7 (0)	0.00	Average
Veeragandham, Ramesh S	<i>Valleycare Medical Center</i>	7 (0)	0.00	Average
Vial, Conrad M	Surgeon Overall	19 (0)	0.00	Average
Vial, Conrad M	<i>El Camino Hospital</i>	1 (0)	0.00	Average
Vial, Conrad M	<i>Mills Peninsula Medical Center</i>	18 (0)	0.00	Average
Vo, Quang T	Surgeon Overall	35 (1)	3.98	Average
Vo, Quang T	<i>Citrus Valley Medical Center Inter Community Campus</i>	2 (0)	0.00	Average
Vo, Quang T	<i>Fountain Valley Regional Hospital and Medical Center – Euclid</i>	11 (0)	0.00	Average
Vo, Quang T	<i>Garfield Medical Center</i>	19 (1)	10.98	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Vo, Quang T	<i>Riverside Community Hospital</i>	3 (0)	0.00	Average
Vunnamadala, Syam P	Surgeon Overall	114 (6)	7.38	<b>Worse</b>
Vunnamadala, Syam P	<i>AHMC Anaheim Regional Medical Center</i>	50 (3)	12.46	<b>Worse</b>
Vunnamadala, Syam P	<i>Anaheim Global Medical Center</i>	2 (0)	0.00	Average
Vunnamadala, Syam P	<i>Orange County Global Medical Center</i>	2 (0)	0.00	Average
Vunnamadala, Syam P	<i>West Anaheim Medical Center</i>	60 (3)	5.68	Average
Wang, Nan	Surgeon Overall	172 (1)	0.53	Average
Wang, Nan	<i>Riverside Community Hospital</i>	14 (0)	0.00	Average
Wang, Nan	<i>San Antonio Community Hospital</i>	128 (0)	0.00	Average
Wang, Nan	<i>St. Mary Medical Center – Apple Valley</i>	30 (1)	3.99	Average
West, Phillip N	Surgeon Overall	99 (1)	1.19	Average
West, Phillip N	<i>Santa Barbara Cottage Hospital</i>	99 (1)	1.19	Average
Wheeler, Nicole M	Surgeon Overall	4 (0)	0.00	Average
Wheeler, Nicole M	<i>Loma Linda University Medical Center – Murrieta</i>	4 (0)	0.00	Average
Wieselthaler, Georg M	Surgeon Overall	39 (0)	0.00	Average
Wieselthaler, Georg M	<i>UC San Francisco Medical Center</i>	39 (0)	0.00	Average
Wilson, Joseph W	Surgeon Overall	169 (5)	2.62	Average
Wilson, Joseph W	<i>Eisenhower Medical Center</i>	169 (5)	2.62	Average
Woo, Yi-Ping J	Surgeon Overall	25 (0)	0.00	Average
Woo, Yi-Ping J	<i>Stanford Hospital</i>	25 (0)	0.00	Average



California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Yap, Alexander G	Surgeon Overall	33 (0)	0.00	Average
Yap, Alexander G	<i>Seton Medical Center</i>	28 (0)	0.00	Average
Yap, Alexander G	<i>St. Mary's Medical Center, San Francisco</i>	5 (0)	0.00	Average
Yasuda, Roderick K	Surgeon Overall	124 (2)	1.66	Average
Yasuda, Roderick K	<i>Henry Mayo Newhall Memorial Hospital</i>	17 (0)	0.00	Average
Yasuda, Roderick K	<i>Northridge Hospital Medical Center</i>	42 (1)	2.41	Average
Yasuda, Roderick K	<i>Providence Holy Cross Medical Center</i>	30 (1)	3.68	Average
Yasuda, Roderick K	<i>Providence Tarzana Medical Center</i>	10 (0)	0.00	Average
Yasuda, Roderick K	<i>Valley Presbyterian Hospital</i>	4 (0)	0.00	Average
Yasuda, Roderick K	<i>West Hills Hospital and Medical Center</i>	21 (0)	0.00	Average
Yokoyama, Taro	Surgeon Overall	126 (8)	6.74	<b>Worse</b>
Yokoyama, Taro	<i>Centinela Hospital Medical Center</i>	7 (0)	0.00	Average
Yokoyama, Taro	<i>Hollywood Presbyterian Medical Center</i>	81 (3)	3.42	Average
Yokoyama, Taro	<i>Providence Saint Joseph Medical Center</i>	5 (2)	56.19	<b>Worse</b>
Yokoyama, Taro	<i>St. Vincent Medical Center</i>	33 (3)	15.45	<b>Worse</b>
Young, Joseph N	Surgeon Overall	47 (1)	2.69	Average
Young, Joseph N	<i>UC Davis Medical Center</i>	47 (1)	2.69	Average
Yun, Kwok L	Surgeon Overall	199 (0)	0.00	Average
Yun, Kwok L	<i>Kaiser Foundation Hospital – Fontana</i>	1 (0)	0.00	Average
Yun, Kwok L	<i>Kaiser Foundation Hospital – Sunset</i>	198 (0)	0.00	Average

California Surgeon Risk-Adjusted Operative Mortality Rates for Coronary Artery Bypass Graft (CABG) Surgery, 2015–2016\*

Surgeon	Hospital	Operative Mortality 2015–2016 <sup>1</sup>		
		Cases (Deaths)	Risk-Adjusted Rate	Performance Rating <sup>†</sup>
<b>Statewide</b>		<b>25,366 (619)</b>	<b>2.44</b>	
Zhu, Henry L	Surgeon Overall	261 (1)	0.36	<b>Better</b>
<p>1 Operative Mortality is defined as patient death occurring in the hospital after isolated CABG surgery, up to 90 days, death occurring anywhere after hospital discharge but within 30 days after the isolated CABG surgery or all deaths after transfer to another acute care center up to 90 days. Provider ratings are risk-adjusted using a statistical technique that allows for fair comparison of provider outcomes even though some providers have sicker patients than average.</p>				
<p>* The number of CABG cases by surgeon may not equal the total number of CABG cases reported by hospitals for various reasons, such as the surgeon appeals process and cases not appearing for surgeons who died.</p>				
<p>† The performance rating is based on a comparison of each provider's risk-adjusted mortality rate to the California observed mortality rate. Providers are classified as "Better" if the upper 95% confidence limit of their risk-adjusted mortality rates fall below the California observed mortality rate. Providers are classified as "Worse" if the lower 95% confidence limit of their risk-adjusted mortality rates are higher than the California observed mortality rate. A provider is classified as "Average" if the California mortality rate falls within the confidence interval of the provider's risk-adjusted mortality rate.</p>				