

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
Alameda	Alameda County Medical Center – Highland Campus	20.9 (263)	12.2 (133)	25.0 (48)	24.9 (43)	83.2 (84)
	Alameda Hospital					91.3 (21)
	Alta Bates Summit Medical Center – Alta Bates Campus	24.1 (1,607)	15.0 (853)	20.9 (234)	22.0 (213)	92.6 (125)
	Alta Bates Summit Medical Center – Summit Campus – Hawthorne					93.8 (180)
	Children’s Hospital and Research Center at Oakland					100.0 (2)
	Eden Medical Center	24.9 (246)	14.6 (127)	0.7 (1)	0.8 (1)	86.1 (93)
	Kaiser Foundation Hospital – Fremont					97.1 (101)
	Kaiser Foundation Hospital – Hayward	25.5 (672)	15.5 (348)	16.1 (70)	16.7 (65)	70.4 (95)
	Kaiser Foundation Hospital – Oakland Campus	26.0 (569)	17.1 (321)	20.4 (70)	21.0 (66)	93.9 (77)
	Kindred Hospital – San Francisco Bay Area					
	Saint Rose Hospital	25.0 (294)	16.2 (170)	2.1 (3)	1.6 (2)	86.1 (87)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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	San Leandro Hospital					<b>87.4</b> (76)
	Valleycare Medical Center	<b>35.5</b> (468)	<b>23.4</b> (259)	<b>1.8</b> (4)	<b>1.4</b> (3)	<b>90.5</b> (95)
	Washington Hospital – Fremont	<b>27.6</b> (602)	<b>16.2</b> (302)	<b>5.2</b> (19)	<b>6.0</b> (19)	<b>84.6</b> (104)
Amador	Sutter Amador Hospital	<b>31.4</b> (90)	<b>19.3</b> (47)	<b>1.9</b> (1)	<b>2.3</b> (1)	<b>77.8</b> (28)
Butte	Biggs Gridley Memorial Hospital					<b>100.0</b> (5)
	Enloe Medical Center – Esplanade Campus	<b>24.2</b> (363)	<b>13.5</b> (177)	<b>4.7</b> (10)	<b>3.6</b> (7)	<b>79.8</b> (103)
	Feather River Hospital	<b>25.2</b> (195)	<b>14.6</b> (99)			<b>98.6</b> (71)
	Oroville Hospital	<b>26.2</b> (122)	<b>12.1</b> (47)	<b>4.5</b> (4)	<b>2.6</b> (2)	<b>90.1</b> (173)
Calaveras	Mark Twain Saint Joseph’s Hospital					<b>70.6</b> (12)
Colusa	Colusa Regional Medical Center	<b>37.8</b> (76)	<b>29.0</b> (51)			<b>57.1</b> (12)

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Contra Costa	Contra Costa Regional Medical Center	20.2 (496)	11.7 (250)	24.2 (86)	25.2 (83)	94.2 (147)
	Doctors Medical Center – San Pablo					85.5 (65)
	John Muir Medical Center – Concord Campus					92.7 (153)
	John Muir Medical Center – Walnut Creek Campus	24.3 (606)	13.5 (284)	15.5 (67)	16.8 (65)	86.7 (150)
	Kaiser Foundation Hospital – Antioch	20.7 (235)	12.3 (123)	14.6 (22)	15.2 (20)	89.4 (84)
	Kaiser Foundation Hospital – Richmond Campus					95.7 (44)
	Kaiser Foundation Hospital – Walnut Creek	26.7 (755)	17.7 (433)	14.8 (67)	15.3 (58)	76.0 (139)
	San Ramon Regional Medical Center	38.6 (261)	24.9 (137)	1.4 (2)	1.6 (2)	95.2 (60)
	Sutter Delta Medical Center	22.2 (194)	12.1 (92)	10.2 (13)	11.3 (13)	93.8 (106)
Del Norte	Sutter Coast Hospital	19.7 (59)	8.4 (22)			87.5 (21)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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El Dorado	Barton Memorial Hospital	26.8 (121)	15.8 (62)	1.5 (1)		92.8 (64)
	Marshall Medical Center	26.8 (143)	16.7 (78)	5.0 (4)	4.4 (3)	88.4 (84)
Fresno	Clovis Community Medical Center	32.6 (989)	19.2 (478)	6.4 (39)	6.2 (34)	88.3 (143)
	Coalinga Regional Medical Center					
	Community Regional Medical Center – Fresno	27.0 (1,520)	13.2 (609)	10.9 (139)	10.5 (107)	85.3 (238)
	Fresno Heart and Surgical Hospital					80.0 (44)
	Fresno Surgical Hospital					66.7 (4)
	Kaiser Foundation Hospital – Fresno	27.4 (292)	18.1 (163)	20.0 (36)	20.4 (33)	87.3 (110)
	Kingsburg Medical Center					
	Saint Agnes Medical Center	32.5 (1,211)	21.0 (662)	5.0 (33)	4.9 (28)	80.6 (249)
	San Joaquin Valley Rehabilitation Hospital					
	Sierra Kings District Hospital	33.6 (468)	19.0 (217)			90.9 (20)

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Glenn	Glenn Medical Center					
Humboldt	Jerold Phelps Community Hospital					
	Mad River Community Hospital	<b>20.2</b> <b>(88)</b>	<b>13.6</b> <b>(53)</b>	<b>23.1</b> <b>(12)</b>	<b>25.5</b> <b>(12)</b>	<b>75.0</b> <b>(30)</b>
	Redwood Memorial Hospital	<b>17.2</b> <b>(59)</b>	<b>10.4</b> <b>(32)</b>	<b>21.6</b> <b>(8)</b>	<b>22.9</b> <b>(8)</b>	<b>91.7</b> <b>(11)</b>
	Saint Joseph Hospital – Eureka	<b>26.4</b> <b>(169)</b>	<b>14.3</b> <b>(79)</b>			<b>75.5</b> <b>(74)</b>
Imperial	El Centro Regional Medical Center	<b>49.0</b> <b>(700)</b>	<b>35.6</b> <b>(402)</b>	<b>0.3</b> <b>(1)</b>	<b>0.3</b> <b>(1)</b>	<b>82.5</b> <b>(99)</b>
	Pioneers Memorial Hospital	<b>28.5</b> <b>(411)</b>	<b>16.4</b> <b>(202)</b>	<b>1.3</b> <b>(3)</b>	<b>0.9</b> <b>(2)</b>	<b>89.5</b> <b>(68)</b>
Inyo	Northern Inyo Hospital	<b>29.2</b> <b>(61)</b>	<b>15.9</b> <b>(28)</b>			<b>66.7</b> <b>(14)</b>
	Southern Inyo Hospital					
Kern	Bakersfield Heart Hospital					<b>81.8</b> <b>(36)</b>
	Bakersfield Memorial Hospital	<b>22.6</b> <b>(503)</b>	<b>9.9</b> <b>(186)</b>	<b>5.7</b> <b>(21)</b>	<b>5.7</b> <b>(19)</b>	<b>80.8</b> <b>(181)</b>

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	Delano Regional Medical Center	22.8 (205)	8.8 (67)			46.0 (69)
	Good Samaritan Hospital – Bakersfield					85.7 (6)
	Kern Medical Center	23.3 (883)	9.8 (304)	15.3 (126)	16.2 (112)	79.7 (94)
	Kern Valley Healthcare District					100.0 (1)
	Mercy Hospital – Bakersfield	22.7 (722)	13.4 (371)	15.6 (71)	15.0 (62)	82.0 (155)
	Ridgecrest Regional Hospital	38.1 (186)	26.0 (106)	1.2 (1)		87.5 (70)
	San Joaquin Community Hospital	16.9 (424)	8.4 (190)	9.4 (26)	9.3 (24)	83.3 (174)
	Tehachapi Hospital					
Kings	Central Valley General Hospital	37.2 (732)	21.9 (346)	0.7 (3)	0.5 (2)	93.9 (31)
	Corcoran District Hospital					
	Hanford Community Medical Center	30.2 (277)	16.5 (126)	1.7 (3)	1.9 (3)	95.0 (151)

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Lake	Redbud Community Hospital	24.0 (42)	13.1 (20)			72.7 (16)
	Sutter Lakeside Hospital	23.8 (68)	13.8 (34)	11.6 (5)	12.8 (5)	60.0 (6)
Lassen	Banner Lassen Medical Center	24.7 (64)	15.6 (36)			89.7 (26)
Los Angeles	Alhambra Hospital					67.6 (23)
	Antelope Valley Hospital	31.2 (1,608)	18.4 (797)	1.3 (12)	1.0 (8)	76.7 (201)
	Barlow Respiratory Hospital					
	Bellflower Medical Center	48.0 (749)	32.2 (386)	0.3 (1)		91.4 (53)
	Beverly Hospital	37.0 (492)	20.4 (214)	1.3 (4)	1.1 (3)	67.5 (52)
	Brotman Medical Center					60.6 (20)
	California Hospital Medical Center – Los Angeles	28.1 (1,208)	15.9 (565)	13.7 (122)	14.0 (105)	84.7 (149)
	Catalina Island Medical Center					

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	Cedars Sinai Medical Center	32.7 (1,956)	23.7 (1,224)	10.1 (95)	10.7 (88)	83.6 (316)
	Centinela Hospital Medical Center	31.9 (571)	18.3 (268)	5.7 (21)	5.6 (18)	93.0 (53)
	Children's Hospital of Los Angeles					50.0 (1)
	Citrus Valley Medical Center – Inter Community Campus					84.4 (76)
	Citrus Valley Medical Center – Queen of the Valley Campus	44.3 (2,200)	28.5 (1,099)	1.5 (19)	1.4 (16)	78.4 (152)
	City of Hope Helford Clinical Research Hospital					70.8 (17)
	Coast Plaza Doctors Hospital					76.2 (32)
	Community Hospital of Long Beach					90.5 (19)
	Community and Mission Hospital of Huntington Park – Slauson	50.6 (122)	33.7 (60)	1.5 (1)	1.6 (1)	75.4 (95)
	Doctors Hospital of West Covina, Inc.					
	Downey Regional Medical Center	26.7 (399)	14.4 (179)	11.9 (34)	12.0 (30)	88.5 (115)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Earl and Lorraine Miller Children's Hospital	30.6 (1,533)	18.5 (761)	12.3 (131)	12.3 (108)	100.0 (2)
	East Los Angeles Doctors Hospital	47.1 (415)	28.9 (190)	0.4 (1)		66.7 (18)
	East Valley Hospital Medical Center	54.8 (190)	40.8 (108)			86.7 (13)
	Encino Hospital Medical Center					93.3 (14)
	Foothill Presbyterian Hospital – Johnston Memorial	40.8 (287)	27.1 (154)	1.3 (2)	0.7 (1)	79.0 (49)
	Garfield Medical Center	38.4 (1,182)	23.4 (575)	1.9 (13)	1.6 (10)	66.7 (42)
	Glendale Adventist Medical Center – Wilson Terrace	37.9 (816)	25.3 (446)	4.8 (22)	4.6 (18)	92.8 (192)
	Glendale Memorial Hospital and Medical Center	32.8 (528)	17.9 (234)	2.8 (9)	3.0 (9)	73.5 (100)
	Good Samaritan Hospital – Los Angeles	28.8 (1,265)	17.7 (665)	4.9 (35)	5.1 (32)	83.0 (146)
	Greater El Monte Community Hospital	35.0 (177)	17.8 (71)	0.8 (1)	0.9 (1)	53.6 (15)
	Henry Mayo Newhall Memorial Hospital	31.3 (356)	18.3 (175)			90.1 (145)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

\*See Webpage ([http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util\\_IndicatorsRpt/index.html](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html)) for definitions. Blank cells indicate no deliveries or procedures were performed.

<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Hollywood Community Hospital					<b>100.0</b> (4)
	Hollywood Presbyterian Medical Center	<b>34.6</b> (1,445)	<b>21.1</b> (713)	<b>7.9</b> (74)	<b>7.8</b> (62)	<b>74.3</b> (107)
	Huntington Memorial Hospital	<b>36.4</b> (1,073)	<b>24.4</b> (601)	<b>2.9</b> (17)	<b>2.5</b> (12)	<b>93.8</b> (365)
	Kaiser Foundation Hospital – Baldwin Park	<b>23.2</b> (625)	<b>13.9</b> (324)	<b>18.3</b> (76)	<b>19.3</b> (72)	<b>91.5</b> (214)
	Kaiser Foundation Hospital – Bellflower	<b>26.7</b> (793)	<b>16.2</b> (401)	<b>18.8</b> (107)	<b>20.3</b> (100)	<b>91.0</b> (393)
	Kaiser Foundation Hospital – Harbor City	<b>26.8</b> (490)	<b>16.7</b> (258)	<b>16.6</b> (52)	<b>18.0</b> (51)	<b>82.1</b> (124)
	Kaiser Foundation Hospital – Panorama City	<b>26.6</b> (421)	<b>15.0</b> (199)	<b>14.7</b> (45)	<b>14.3</b> (37)	<b>63.9</b> (46)
	Kaiser Foundation Hospital – Sunset	<b>33.6</b> (657)	<b>25.1</b> (419)	<b>15.7</b> (49)	<b>16.8</b> (48)	<b>82.0</b> (132)
	Kaiser Foundation Hospital – West Los Angeles	<b>24.2</b> (344)	<b>16.3</b> (202)	<b>19.4</b> (41)	<b>21.5</b> (39)	<b>93.1</b> (94)
	Kaiser Foundation Hospital – Woodland Hills	<b>23.0</b> (309)	<b>14.3</b> (166)	<b>23.0</b> (49)	<b>23.9</b> (45)	<b>89.5</b> (128)
	Kindred Hospital – La Mirada					
	Kindred Hospital – Los Angeles					

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](#), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Lakewood Regional Medical Center					<b>80.8</b> (80)
	Lancaster Community Hospital					<b>85.5</b> (59)
	Little Company of Mary Hospital – San Pedro	<b>23.3</b> (154)	<b>12.6</b> (73)			<b>85.3</b> (81)
	Little Company of Mary Hospital – Torrance	<b>32.8</b> (825)	<b>23.8</b> (523)	<b>2.7</b> (9)	<b>2.9</b> (9)	<b>91.3</b> (200)
	Long Beach Memorial Medical Center	<b>66.7</b> (2)	<b>66.7</b> (2)	<b>33.3</b> (1)		<b>85.9</b> (244)
	Los Angeles Community Hospital	<b>63.7</b> (305)	<b>51.3</b> (183)			<b>92.3</b> (36)
	Los Angeles County/Harbor – UCLA Medical Center	<b>28.3</b> (265)	<b>18.2</b> (146)	<b>11.2</b> (18)	<b>11.2</b> (15)	<b>89.3</b> (267)
	Los Angeles County/Olive View – UCLA Medical Center	<b>30.3</b> (255)	<b>18.2</b> (120)	<b>22.1</b> (52)	<b>25.8</b> (47)	<b>90.8</b> (385)
	Los Angeles County/Rancho Los Amigos National Rehabilitation Center					<b>80.0</b> (4)
	Los Angeles County/University of Southern California Medical Center	<b>31.4</b> (373)	<b>20.8</b> (201)	<b>20.3</b> (55)	<b>21.8</b> (48)	<b>77.2</b> (176)
	Los Angeles Metropolitan Medical Center	<b>36.9</b> (418)	<b>22.0</b> (200)	<b>1.8</b> (4)	<b>1.8</b> (4)	<b>50.0</b> (1)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov/), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Marina Del Rey Hospital					<b>92.7</b> (38)
	Memorial Hospital of Gardena	<b>42.4</b> (627)	<b>27.7</b> (326)	<b>0.9</b> (3)	<b>0.3</b> (1)	<b>88.4</b> (76)
	Methodist Hospital of Southern California	<b>28.5</b> (513)	<b>17.7</b> (272)	<b>5.4</b> (16)	<b>5.9</b> (15)	<b>92.6</b> (199)
	Miracle Mile Medical Center					
	Mission Community Hospital – Panorama Campus					<b>60.0</b> (12)
	Monrovia Medical Center					
	Monterey Park Hospital	<b>47.2</b> (767)	<b>32.8</b> (419)			<b>67.2</b> (41)
	Motion Picture and Television Hospital					
	Northridge Hospital Medical Center	<b>35.7</b> (911)	<b>20.9</b> (433)	<b>1.6</b> (9)	<b>1.6</b> (8)	<b>76.4</b> (165)
	Norwalk Community Hospital					<b>88.6</b> (31)
	Olympia Medical Center					<b>68.8</b> (22)
	Pacific Alliance Medical Center, Inc.	<b>36.7</b> (648)	<b>22.8</b> (330)	<b>0.3</b> (1)	<b>0.3</b> (1)	<b>63.2</b> (12)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Pacific Hospital of Long Beach	32.8 (325)	12.5 (95)	0.4 (1)	0.4 (1)	71.4 (15)
	Pacifica Hospital of the Valley	46.6 (393)	30.6 (199)			68.8 (11)
	Pomona Valley Hospital Medical Center	31.6 (2,189)	16.0 (893)	3.5 (52)	3.6 (48)	79.7 (212)
	Presbyterian Intercommunity Hospital	30.0 (942)	17.4 (458)	6.5 (38)	6.0 (31)	87.9 (211)
	Promise Hospital of East Los Angeles – East Los Angeles Campus					
	Providence Holy Cross Medical Center	33.8 (845)	22.7 (486)	0.5 (2)	0.6 (2)	81.2 (134)
	Providence Saint Joseph Medical Center	31.6 (818)	22.1 (502)	1.6 (6)	1.3 (4)	92.0 (287)
	Providence Tarzana Medical Center	34.2 (605)	21.5 (316)	3.2 (11)	2.7 (8)	86.8 (118)
	Ronald Reagan UCLA Medical Center	24.7 (431)	18.0 (276)	26.6 (68)	27.9 (60)	48.2 (53)
	Saint Francis Medical Center	33.5 (2,067)	20.3 (1,022)	8.0 (101)	7.7 (87)	83.4 (151)
	Saint John's Health Center	30.4 (489)	21.3 (300)	6.6 (15)	7.4 (15)	75.0 (75)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Saint Mary Medical Center	27.2 (723)	16.7 (385)	4.6 (18)	4.8 (17)	62.9 (39)
	Saint Vincent Medical Center					77.3 (102)
	San Dimas Community Hospital	27.9 (166)	15.8 (80)	2.1 (2)	2.3 (2)	87.2 (82)
	San Gabriel Valley Medical Center	34.0 (728)	21.3 (381)	1.5 (6)	1.7 (6)	81.8 (54)
	Santa Monica – UCLA Medical Center and Orthopedic Hospital	41.7 (551)	28.9 (309)	3.4 (10)	3.6 (9)	88.8 (79)
	Sherman Oaks Hospital					85.7 (30)
	Shriners Hospital for Children – Los Angeles					
	Silver Lake Medical Center – Downtown Campus					66.7 (2)
	Temple Community Hospital					66.7 (16)
	Torrance Memorial Medical Center	38.1 (1,239)	23.4 (612)	0.4 (3)	0.5 (3)	85.6 (256)
	Tri-City Regional Medical Center – Hawaiian Gardens					78.2 (43)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	University of Southern California Kenneth Norris, Jr. Cancer Hospital					
	University of Southern California University Hospital					<b>51.8</b> (29)
	Valley Presbyterian Hospital	<b>36.6</b> (1,752)	<b>21.7</b> (836)	<b>3.2</b> (36)	<b>3.0</b> (28)	<b>82.0</b> (123)
	Verdugo Hills Hospital	<b>37.4</b> (259)	<b>24.0</b> (137)			<b>88.5</b> (54)
	Vista Hospital of San Gabriel Valley					<b>50.0</b> (1)
	Vista Hospital of South Bay					<b>100.0</b> (1)
	West Hills Hospital and Medical Center	<b>36.9</b> (385)	<b>22.4</b> (190)	<b>1.0</b> (2)	<b>0.5</b> (1)	<b>83.9</b> (104)
	White Memorial Medical Center	<b>29.9</b> (1,007)	<b>17.6</b> (477)	<b>18.7</b> (145)	<b>18.6</b> (121)	<b>85.8</b> (175)
	Whittier Hospital Medical Center	<b>32.0</b> (659)	<b>17.8</b> (302)	<b>1.7</b> (7)	<b>1.9</b> (7)	<b>83.7</b> (118)
Madera	Children's Hospital Central California					<b>100.0</b> (1)
	Madera Community Hospital	<b>29.0</b> (476)	<b>15.8</b> (215)	<b>6.2</b> (20)	<b>6.5</b> (18)	<b>77.5</b> (69)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
Marin	Kaiser Foundation Hospital – San Rafael					<b>74.1</b> (43)
	Kentfield Rehabilitation Hospital					
	Marin General Hospital	<b>22.4</b> (308)	<b>14.6</b> (176)	<b>19.4</b> (40)	<b>23.3</b> (40)	<b>77.9</b> (60)
	Novato Community Hospital					<b>82.9</b> (34)
Mariposa	John C. Fremont Healthcare District					
Mendocino	Frank R. Howard Memorial Hospital					<b>88.7</b> (47)
	Mendocino Coast District Hospital	<b>25.9</b> (41)	<b>14.0</b> (19)	<b>4.2</b> (1)		<b>72.7</b> (8)
	Ukiah Valley Medical Center	<b>23.4</b> (191)	<b>14.4</b> (103)	<b>12.9</b> (15)	<b>12.0</b> (12)	<b>91.5</b> (65)
Merced	Memorial Hospital Los Banos	<b>21.0</b> (143)	<b>6.8</b> (39)			<b>96.6</b> (28)
	Mercy Medical Center – Merced	<b>26.0</b> (638)	<b>13.4</b> (280)	<b>4.3</b> (18)	<b>3.5</b> (13)	<b>94.7</b> (178)
Modoc	Modoc Medical Center					

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIQualInd/Vol-Util_IndicatorsRpt/index.html), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

\*See Webpage ([http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIQualInd/Vol-Util\\_IndicatorsRpt/index.html](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIQualInd/Vol-Util_IndicatorsRpt/index.html)) for definitions. Blank cells indicate no deliveries or procedures were performed.

<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Surprise Valley Community Hospital					
Mono	Mammoth Hospital	<b>28.8</b> (32)	<b>23.3</b> (24)			<b>77.8</b> (7)
Monterey	Community Hospital Monterey Peninsula	<b>25.7</b> (293)	<b>13.9</b> (136)	<b>0.6</b> (1)		<b>83.7</b> (103)
	George L. Mee Memorial Hospital	<b>27.4</b> (155)	<b>15.1</b> (73)	<b>1.0</b> (1)	<b>1.2</b> (1)	<b>94.0</b> (47)
	Natividad Medical Center	<b>28.0</b> (657)	<b>14.6</b> (288)	<b>0.5</b> (2)	<b>0.3</b> (1)	<b>95.3</b> (121)
	Salinas Valley Memorial Hospital	<b>30.7</b> (672)	<b>17.7</b> (326)	<b>0.5</b> (2)	<b>0.3</b> (1)	<b>93.2</b> (315)
Napa	N.M. Holderman Memorial Hospital (Veterans Home of California)					
	Queen of the Valley Hospital – Napa	<b>23.0</b> (208)	<b>14.0</b> (109)	<b>20.1</b> (29)	<b>22.0</b> (28)	<b>84.9</b> (79)
	Saint Helena Hospital	<b>34.5</b> (89)	<b>20.3</b> (43)			<b>48.6</b> (17)
Nevada	Sierra Nevada Memorial Hospital	<b>24.6</b> (120)	<b>14.1</b> (60)	<b>1.4</b> (1)	<b>1.6</b> (1)	<b>90.8</b> (109)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
Tahoe Forest Hospital		<b>20.4</b> (89)	<b>10.6</b> (41)	<b>3.8</b> (2)	<b>4.0</b> (2)	<b>86.5</b> (32)
Orange	Anaheim General Hospital	<b>28.2</b> (131)	<b>13.7</b> (53)			<b>95.5</b> (42)
	Anaheim Memorial Medical Center	<b>24.3</b> (400)	<b>12.8</b> (181)	<b>2.4</b> (6)	<b>2.7</b> (6)	<b>90.8</b> (167)
	Chapman Medical Center					<b>97.7</b> (42)
	Children's Hospital at Mission					
	Children's Hospital of Orange County					<b>33.3</b> (1)
	Coastal Communities Hospital	<b>42.9</b> (884)	<b>27.8</b> (452)	<b>1.1</b> (5)	<b>0.9</b> (4)	<b>76.9</b> (70)
	College Hospital Costa Mesa					
	Fountain Valley Regional Hospital and Medical Center – Euclid	<b>29.6</b> (938)	<b>18.8</b> (512)	<b>4.9</b> (25)	<b>5.1</b> (23)	<b>80.2</b> (178)
	Garden Grove Hospital and Medical Center	<b>31.0</b> (803)	<b>16.6</b> (352)	<b>3.8</b> (20)	<b>3.8</b> (18)	<b>87.4</b> (104)
	Hoag Hospital Irvine	<b>33.0</b> (325)	<b>20.7</b> (169)	<b>6.6</b> (12)	<b>6.0</b> (10)	<b>88.5</b> (100)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Hoag Memorial Hospital Presbyterian	34.2 (1,533)	22.6 (851)	5.0 (40)	4.5 (32)	90.9 (321)
	Huntington Beach Hospital					93.5 (29)
	Kaiser Foundation Hospital – Anaheim	25.3 (921)	15.9 (498)	15.4 (90)	16.1 (81)	87.2 (266)
	Kindred Hospital – Brea					
	Kindred Hospital – Westminster					
	La Palma Intercommunity Hospital	27.2 (55)	14.6 (25)	2.8 (1)	3.2 (1)	85.3 (29)
	Los Alamitos Medical Center	27.5 (467)	16.0 (233)	1.9 (5)	1.7 (4)	80.2 (105)
	Mission Hospital Laguna Beach	33.0 (63)	14.4 (21)	6.4 (3)	6.7 (3)	100.0 (9)
	Mission Hospital Regional Medical Center	29.6 (856)	17.0 (414)	2.8 (14)	3.1 (14)	97.3 (179)
	Orange Coast Memorial Medical Center	30.4 (400)	18.8 (211)	1.9 (4)	1.6 (3)	84.1 (201)
	Placentia Linda Hospital					88.9 (104)
	Saddleback Memorial Medical Center	24.7 (618)	12.9 (268)	17.4 (82)	18.2 (78)	92.4 (73)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

\*See Webpage ([http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util\\_IndicatorsRpt/index.html](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html)) for definitions. Blank cells indicate no deliveries or procedures were performed.

<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Saddleback Memorial Medical Center – San Clemente					<b>87.9</b> (29)
	Saint Joseph Hospital – Orange	<b>31.5</b> (1,407)	<b>20.1</b> (750)	<b>9.4</b> (76)	<b>10.0</b> (73)	<b>89.0</b> (276)
	Saint Jude Medical Center	<b>27.8</b> (503)	<b>17.7</b> (274)	<b>9.7</b> (28)	<b>10.5</b> (27)	<b>86.2</b> (150)
	Tustin Hospital and Medical Center					<b>100.0</b> (1)
	UC Irvine Medical Center	<b>26.5</b> (240)	<b>15.8</b> (119)	<b>22.6</b> (53)	<b>21.4</b> (33)	<b>75.5</b> (108)
	West Anaheim Medical Center			<b>100.0</b> (1)		<b>94.7</b> (107)
	Western Medical Center – Anaheim	<b>26.3</b> (668)	<b>12.0</b> (256)	<b>0.4</b> (2)	<b>0.5</b> (2)	<b>94.7</b> (36)
	Western Medical Center – Santa Ana	<b>34.5</b> (961)	<b>17.6</b> (389)	<b>0.8</b> (5)	<b>0.9</b> (5)	<b>89.6</b> (103)
Placer	Sutter Auburn Faith Hospital	<b>27.0</b> (93)	<b>15.5</b> (46)			<b>95.5</b> (63)
	Sutter Roseville Medical Center	<b>23.9</b> (679)	<b>13.5</b> (331)	<b>12.4</b> (55)	<b>12.3</b> (49)	<b>82.6</b> (123)
Plumas	Eastern Plumas Hospital – Portola Campus					

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Plumas District Hospital	<b>36.0</b> (27)	<b>18.6</b> (11)			<b>100.0</b> (5)
	Seneca Healthcare District					<b>100.0</b> (1)
Riverside	Corona Regional Medical Center – Main	<b>27.5</b> (491)	<b>15.9</b> (244)			<b>80.2</b> (65)
	Desert Regional Medical Center	<b>29.8</b> (927)	<b>17.6</b> (457)	<b>7.1</b> (41)	<b>7.3</b> (37)	<b>87.3</b> (240)
	Eisenhower Medical Center					<b>90.7</b> (398)
	Hemet Valley Medical Center	<b>41.4</b> (508)	<b>28.9</b> (292)	<b>0.4</b> (1)		<b>47.3</b> (35)
	John F. Kennedy Memorial Hospital	<b>31.0</b> (876)	<b>17.4</b> (411)	<b>0.6</b> (3)	<b>0.4</b> (2)	<b>93.4</b> (225)
	Kaiser Foundation Hospital – Moreno Valley	<b>22.5</b> (348)	<b>9.1</b> (121)			<b>86.5</b> (64)
	Kaiser Foundation Hospital – Riverside	<b>30.2</b> (1,025)	<b>20.1</b> (580)	<b>12.4</b> (71)	<b>12.2</b> (62)	<b>82.0</b> (150)
	Menifee Valley Medical Center					<b>37.5</b> (12)
	Palo Verde Hospital	<b>34.1</b> (30)	<b>17.4</b> (12)	<b>5.0</b> (1)	<b>5.3</b> (1)	<b>100.0</b> (6)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Parkview Community Hospital Medical Center	36.6 (657)	21.5 (310)	1.7 (7)	1.4 (5)	58.5 (24)
	Riverside Community Hospital	32.2 (1,011)	19.3 (507)	1.4 (8)	1.6 (8)	70.1 (164)
	Riverside County Regional Medical Center	23.0 (501)	9.1 (165)	7.5 (31)	7.9 (29)	86.4 (190)
	San Geronio Memorial Hospital	27.3 (117)	11.1 (39)	1.1 (1)	1.3 (1)	75.0 (30)
	Southwest Healthcare System – Murrieta	26.8 (887)	14.7 (417)	1.5 (8)	1.5 (7)	93.5 (314)
	Vista Hospital of Riverside					
Sacramento	Kaiser Foundation Hospital – Sacramento/Roseville-Morse	24.7 (839)	15.4 (447)	19.3 (111)	20.3 (100)	77.3 (280)
	Kaiser Foundation Hospital – South Sacramento	16.8 (539)	10.5 (300)	29.8 (114)	31.1 (108)	87.2 (123)
	Kindred Hospital – Sacramento					
	Mercy General Hospital	29.5 (757)	19.5 (430)	9.1 (36)	9.2 (33)	90.1 (118)
	Mercy Hospital – Folsom	25.5 (223)	12.3 (91)	4.2 (6)	4.3 (6)	85.7 (54)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov/), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Mercy San Juan Hospital	23.3 (627)	13.4 (311)	13.6 (58)	13.9 (51)	88.1 (111)
	Methodist Hospital of Sacramento	24.0 (253)	15.2 (139)	16.4 (26)	16.8 (23)	92.0 (104)
	Shriners Hospital for Children Northern California					
	Sutter General Hospital					88.4 (153)
	Sutter Memorial Hospital	28.6 (1,356)	16.7 (654)	12.9 (126)	14.2 (116)	100.0 (55)
	UC Davis Medical Center	24.7 (530)	15.2 (272)	27.5 (116)	28.3 (102)	79.8 (138)
San Benito	Hazel Hawkins Memorial Hospital	32.2 (145)	16.8 (62)	1.0 (1)		92.9 (65)
San Bernardino	Arrowhead Regional Medical Center	25.2 (928)	12.9 (401)	9.0 (57)	9.3 (54)	89.4 (245)
	Barstow Community Hospital	27.2 (82)	11.7 (29)	3.3 (2)	3.6 (2)	68.8 (22)
	Bear Valley Community Hospital					
	Chino Valley Medical Center					80.9 (55)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Colorado River Medical Center					<b>100.0</b> (1)
	Community Hospital of San Bernardino	<b>39.4</b> (1,025)	<b>24.4</b> (508)	<b>1.5</b> (9)	<b>1.0</b> (5)	<b>84.5</b> (174)
	Desert Valley Hospital	<b>25.2</b> (82)	<b>11.0</b> (30)			<b>80.6</b> (54)
	Hi-Desert Medical Center	<b>35.1</b> (162)	<b>24.9</b> (99)	<b>1.4</b> (1)	<b>1.6</b> (1)	<b>90.0</b> (81)
	Kaiser Foundation Hospital – Fontana	<b>25.9</b> (1,049)	<b>14.5</b> (498)	<b>10.0</b> (70)	<b>10.0</b> (61)	<b>79.1</b> (155)
	Kindred Hospital – Ontario					
	Loma Linda University Medical Center	<b>26.5</b> (588)	<b>15.8</b> (289)	<b>22.7</b> (111)	<b>23.1</b> (90)	<b>71.4</b> (100)
	Montclair Hospital Medical Center	<b>38.1</b> (337)	<b>24.7</b> (179)	<b>0.6</b> (1)	<b>0.6</b> (1)	<b>89.2</b> (33)
	Mountains Community Hospital	<b>21.6</b> (25)	<b>9.9</b> (10)			<b>85.7</b> (6)
	Rancho Specialty Hospital					<b>100.0</b> (1)
	Redlands Community Hospital	<b>25.7</b> (528)	<b>15.3</b> (275)	<b>0.7</b> (2)	<b>0.4</b> (1)	<b>64.3</b> (81)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Saint Bernardine Medical Center	21.3 (419)	12.1 (212)	4.5 (11)	4.2 (9)	79.6 (121)
	Saint Mary Regional Medical Center	18.5 (476)	9.8 (226)	2.6 (8)	2.7 (7)	82.3 (102)
	San Antonio Community Hospital	35.1 (710)	22.4 (380)	1.1 (4)	0.6 (2)	81.9 (253)
	Victor Valley Community Hospital	31.0 (472)	13.2 (159)	0.9 (3)	0.9 (3)	81.4 (48)
San Diego	Alvarado Hospital					84.5 (82)
	Continental Rehabilitation Hospital					
	Fallbrook Hospital District	25.1 (116)	15.8 (64)	7.4 (5)	8.8 (5)	86.5 (32)
	Grossmont Hospital	29.2 (992)	17.3 (487)	13.8 (90)	14.4 (85)	90.9 (391)
	Kaiser Foundation Hospital – San Diego	27.8 (1,026)	18.0 (569)	12.4 (77)	13.4 (71)	81.9 (186)
	Kindred Hospital – San Diego					
	Palomar Medical Center	29.2 (1,096)	15.9 (490)	8.3 (58)	8.3 (55)	89.9 (213)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

\*See Webpage ([http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util\\_IndicatorsRpt/index.html](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html)) for definitions. Blank cells indicate no deliveries or procedures were performed.

<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Paradise Valley Hospital	27.2 (326)	15.1 (155)	1.1 (2)	1.2 (2)	79.4 (50)
	Pomerado Hospital	27.8 (287)	14.7 (128)			85.3 (110)
	Promise Hospital of San Diego					
	Rady Children's Hospital – San Diego					100.0 (1)
	San Diego Hospice and Palliative Care – Acute Care Center					
	Scripps Green Hospital					94.1 (321)
	Scripps Memorial Hospital – Encinitas	25.7 (368)	16.1 (194)	21.8 (52)	22.3 (50)	90.5 (124)
	Scripps Memorial Hospital – La Jolla	35.4 (1,266)	24.8 (743)	10.0 (64)	10.3 (60)	85.9 (183)
	Scripps Mercy Hospital	26.5 (563)	17.9 (328)	18.5 (58)	18.7 (54)	91.7 (374)
	Scripps Mercy Hospital – Chula Vista	32.1 (622)	22.8 (387)	3.6 (10)	4.1 (10)	84.1 (122)
	Sharp Chula Vista Medical Center	32.6 (1,067)	17.3 (459)	2.2 (15)	2.1 (13)	89.3 (150)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov/), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Sharp Coronado Hospital and Healthcare Center					<b>93.8</b> (15)
	Sharp Mary Birch Hospital for Women	<b>35.6</b> (2,621)	<b>23.8</b> (1,458)	<b>5.8</b> (83)	<b>6.1</b> (75)	<b>100.0</b> (1)
	Sharp Memorial Hospital	<b>100.0</b> (1)	<b>100.0</b> (1)			<b>87.7</b> (278)
	Tri-City Medical Center – Oceanside	<b>27.7</b> (946)	<b>16.2</b> (469)	<b>8.6</b> (50)	<b>8.8</b> (46)	<b>66.2</b> (129)
	UC San Diego Medical Center	<b>28.5</b> (581)	<b>19.3</b> (339)	<b>12.2</b> (42)	<b>12.9</b> (36)	<b>59.3</b> (51)
San Francisco	California Pacific Medical Center – Pacific Campus	<b>24.2</b> (1,249)	<b>16.1</b> (733)	<b>13.8</b> (98)	<b>14.6</b> (88)	<b>82.2</b> (231)
	California Pacific Medical Center – St. Luke’s Campus	<b>17.3</b> (144)	<b>10.2</b> (78)	<b>1.3</b> (1)	<b>1.5</b> (1)	<b>95.2</b> (60)
	Chinese Hospital					<b>71.0</b> (44)
	Kaiser Foundation Hospital – San Francisco	<b>27.4</b> (610)	<b>19.4</b> (375)	<b>20.8</b> (71)	<b>19.8</b> (58)	<b>76.6</b> (59)
	Laguna Honda Hospital and Rehabilitation Center					
	Saint Francis Memorial Hospital					<b>76.5</b> (26)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov/), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Saint Mary's Medical Center, San Francisco					<b>63.4</b> (26)
	San Francisco General Hospital	<b>16.8</b> (201)	<b>10.5</b> (109)	<b>40.5</b> (75)	<b>42.5</b> (68)	<b>82.2</b> (83)
	UC San Francisco Medical Center	<b>20.2</b> (318)	<b>14.3</b> (203)	<b>25.2</b> (54)	<b>29.0</b> (47)	<b>63.7</b> (72)
San Joaquin	Dameron Hospital	<b>26.4</b> (567)	<b>14.4</b> (265)	<b>3.1</b> (12)	<b>2.6</b> (8)	<b>84.4</b> (114)
	Doctors Hospital of Manteca	<b>25.5</b> (182)	<b>14.9</b> (93)	<b>1.9</b> (2)	<b>2.2</b> (2)	<b>97.7</b> (43)
	Kaiser Foundation Hospital – Manteca	<b>23.9</b> (102)	<b>13.4</b> (48)	<b>19.2</b> (14)	<b>20.6</b> (14)	<b>78.9</b> (75)
	Lodi Memorial Hospital	<b>36.9</b> (414)	<b>21.8</b> (197)	<b>1.3</b> (3)	<b>1.4</b> (3)	<b>70.9</b> (95)
	Saint Joseph's Medical Center of Stockton	<b>26.3</b> (553)	<b>15.4</b> (281)	<b>2.7</b> (9)	<b>3.2</b> (9)	<b>88.3</b> (212)
	San Joaquin General Hospital	<b>27.5</b> (613)	<b>14.0</b> (260)	<b>4.0</b> (17)	<b>4.6</b> (17)	<b>92.2</b> (130)
	Sutter Tracy Community Hospital	<b>28.5</b> (185)	<b>13.8</b> (74)			<b>98.5</b> (130)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
San Luis Obispo	Arroyo Grande Community Hospital					<b>87.5</b> (56)
	French Hospital Medical Center	<b>17.5</b> (139)	<b>12.1</b> (90)	<b>1.9</b> (1)	<b>2.0</b> (1)	<b>84.6</b> (44)
	Sierra Vista Regional Medical Center	<b>30.8</b> (302)	<b>18.0</b> (142)	<b>15.8</b> (35)	<b>16.2</b> (31)	<b>89.8</b> (53)
	Twin Cities Community Hospital	<b>26.3</b> (173)	<b>13.4</b> (75)			<b>80.0</b> (60)
San Mateo	Kaiser Foundation Hospital – Redwood City	<b>17.2</b> (213)	<b>11.2</b> (126)	<b>24.2</b> (30)	<b>24.3</b> (28)	<b>69.8</b> (30)
	Kaiser Foundation Hospital – South San Francisco					<b>89.4</b> (101)
	Menlo Park Surgical Hospital					<b>100.0</b> (3)
	Peninsula Medical Center	<b>25.1</b> (400)	<b>16.8</b> (239)	<b>6.5</b> (14)	<b>6.9</b> (12)	<b>90.5</b> (105)
	San Mateo Medical Center					<b>94.9</b> (75)
	Sequoia Hospital	<b>33.7</b> (442)	<b>23.7</b> (263)	<b>12.2</b> (27)	<b>11.8</b> (24)	<b>93.9</b> (62)
	Seton Medical Center	<b>24.6</b> (162)	<b>17.9</b> (105)	<b>20.5</b> (17)	<b>20.8</b> (15)	<b>83.1</b> (113)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Seton Medical Center – Coastside					
Santa Barbara	Goleta Valley Cottage Hospital	25.2 (32)	15.9 (18)			80.8 (21)
	Lompoc Valley Medical Center	25.8 (100)	16.1 (55)	2.0 (1)	2.2 (1)	83.9 (26)
	Marian Medical Center	31.7 (868)	17.2 (389)	0.4 (2)	0.4 (2)	85.5 (100)
	Santa Barbara Cottage Hospital	26.6 (612)	15.4 (306)	0.3 (1)		86.2 (219)
	Santa Ynez Valley Cottage Hospital					
Santa Clara	Community Hospital of Los Gatos	30.7 (183)	18.5 (92)	8.6 (9)	9.0 (9)	87.2 (41)
	El Camino Hospital	28.9 (1,151)	16.8 (569)	1.7 (11)	1.9 (11)	88.5 (138)
	Good Samaritan Hospital – San Jose	36.6 (1,115)	25.4 (647)	5.9 (35)	5.5 (27)	90.6 (242)
	Kaiser Foundation Hospital – San Jose	20.8 (415)	13.0 (227)	23.0 (64)	24.5 (61)	70.7 (53)
	Kaiser Foundation Hospital – Santa Clara	23.1 (803)	16.4 (505)	23.5 (110)	25.1 (100)	90.4 (217)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>1</sup> Over Utilization means performing a medical procedure that is not necessary, given current medical guidelines or best practices. Uncomplicated Cesarean Delivery excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Uncomplicated Primary Cesarean also excludes prior C-sections.

<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Lucile Salter Packard Children's Hospital at Stanford	24.5 (1,017)	13.9 (490)	13.4 (98)	14.2 (87)	
	O'Connor Hospital – San Jose	28.3 (967)	17.1 (505)	2.0 (11)	1.3 (6)	87.0 (241)
	Regional Medical of San Jose	28.8 (177)	16.3 (85)	2.8 (3)	3.2 (3)	84.8 (151)
	Saint Louise Regional Hospital	26.6 (160)	15.5 (81)	1.1 (1)	1.3 (1)	92.7 (51)
	Santa Clara Valley Medical Center	19.2 (908)	11.2 (445)	33.6 (288)	36.3 (264)	78.3 (170)
	Stanford Hospital	100.0 (1)				60.1 (83)
Santa Cruz	Dominican Hospital – Santa Cruz/Soquel	23.2 (207)	14.2 (108)	22.7 (34)	24.4 (32)	94.7 (143)
	Sutter Maternity and Surgery Center of Santa Cruz	20.8 (184)	13.1 (102)	20.2 (22)	21.2 (22)	97.2 (69)
	Watsonville Community Hospital	24.8 (381)	11.6 (150)	5.4 (16)	6.1 (15)	97.1 (136)
Shasta	Mayers Memorial Hospital	20.2 (17)	9.5 (7)			

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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<sup>2</sup> Under Utilization means underuse of a medical procedure given current medical guidelines or best practices. VBAC includes all births with prior cesarean delivery in the denominator. Uncomplicated VBAC excludes cases with abnormal or breech presentation, pre-term, twins, and fetal deaths. Laparoscopic Cholecystectomy denominator includes all patients 18 years and older with an uncomplicated cholecystectomy procedure (for example, procedures without rupture or obstruction of the gall bladder).

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
County	Hospital Name	Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Mercy Medical Center – Redding	<b>26.8</b> (505)	<b>15.0</b> (243)	<b>0.3</b> (1)	<b>0.4</b> (1)	<b>96.0</b> (121)
	Northern California Rehabilitation Hospital					
	Patients’ Hospital of Redding					<b>100.0</b> (2)
	Shasta Regional Medical Center					<b>91.3</b> (105)
Siskiyou	Fairchild Medical Center	<b>30.7</b> (65)	<b>15.7</b> (27)	<b>4.8</b> (2)	<b>5.0</b> (2)	<b>88.2</b> (15)
	Mercy Medical Center Mt. Shasta	<b>22.6</b> (28)	<b>10.3</b> (11)			<b>60.0</b> (12)
Solano	Kaiser Foundation Hospital – Rehabilitation Center Vallejo	<b>22.7</b> (496)	<b>13.4</b> (252)	<b>16.5</b> (54)	<b>17.6</b> (52)	<b>74.7</b> (171)
	North Bay Medical Center	<b>29.7</b> (411)	<b>16.7</b> (195)	<b>0.4</b> (1)		<b>93.4</b> (71)
	North Bay VacaValley Hospital					<b>90.9</b> (40)
	Sutter Solano Medical Center	<b>23.0</b> (190)	<b>12.9</b> (90)	<b>22.3</b> (31)	<b>23.7</b> (31)	<b>89.8</b> (53)
Sonoma	Healdsburg District Hospital					<b>93.3</b> (14)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov/), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



County	Hospital Name	Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
		Uncomplicated Cesarean Delivery	Uncomplicated Primary Cesarean Delivery	Vaginal Birth after Cesarean (VBAC)	Uncomplicated VBAC	Laparoscopic Cholecystectomy (Gall Bladder Surgery)
		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Kaiser Foundation Hospital – Santa Rosa	25.1 (421)	15.6 (226)	12.6 (32)	13.7 (31)	71.4 (80)
	Palm Drive Hospital					85.7 (12)
	Petaluma Valley Hospital	26.4 (138)	16.5 (76)			93.0 (66)
	Santa Rosa Memorial Hospital – Montgomery	25.5 (260)	11.5 (92)	22.7 (59)	23.3 (51)	83.7 (118)
	Sonoma Valley Hospital	20.3 (38)	9.1 (15)			90.3 (28)
	Sutter Medical Center of Santa Rosa	17.8 (275)	10.3 (145)	0.6 (1)		81.8 (63)
Stanislaus	Doctors Medical Center	30.1 (1,204)	17.0 (562)	8.4 (67)	8.5 (60)	75.5 (139)
	Emanuel Medical Center, Inc.	21.8 (470)	10.1 (188)	4.8 (15)	4.7 (14)	88.2 (179)
	Memorial Hospital Medical Center – Modesto	29.4 (564)	18.6 (308)	1.0 (3)	0.8 (2)	82.3 (214)
	Oak Valley District Hospital	28.3 (77)	15.9 (37)			68.0 (17)
	Stanislaus Surgical Hospital					100.0 (2)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators](http://www.ahrq.gov), SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2008

## Office of Statewide Health Planning and Development, Hospital Patient Data



		Possible Over Utilization <sup>1</sup>		Possible Under Utilization <sup>2</sup>		
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		NOTE: In each cell, the first line indicates the rate per 100 deliveries, with the exception of Laparoscopic Cholecystectomy (per 100 procedures). The number in parentheses ( ) on the second line indicates the total number of deliveries or procedures performed.*				
<b>STATEWIDE AVERAGE</b>		<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
Sutter	Fremont Medical Center	25.6 (516)	12.3 (205)	9.9 (39)	10.4 (36)	88.5 (23)
Tehama	Saint Elizabeth Community Hospital	21.0 (134)	10.0 (56)			82.5 (52)
Trinity	Trinity Hospital					50.0 (3)
Tulare	Kaweah Delta Medical Center	32.0 (1,190)	18.4 (566)	3.2 (23)	2.8 (18)	81.7 (170)
	Sierra View District Hospital	29.7 (569)	16.1 (258)	0.3 (1)		82.5 (113)
	Tulare District Hospital	35.8 (404)	17.0 (148)	0.7 (2)	0.8 (2)	83.1 (103)
Tuolumne	Sonora Regional Medical Center – Greenley	32.8 (166)	21.7 (94)	2.4 (2)	1.4 (1)	88.1 (74)
Ventura	Community Memorial Hospital – San Buenaventura	28.7 (763)	14.7 (324)	1.8 (9)	1.8 (8)	93.2 (262)
	Los Robles Hospital and Medical Center	34.6 (575)	20.4 (273)	5.6 (22)	6.2 (20)	90.4 (161)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2008](http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPOQualInd/Vol-Util_IndicatorsRpt/index.html).

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	<b>STATEWIDE AVERAGE</b>	<b>29.2</b> (139,266)	<b>17.4</b> (69,926)	<b>8.0</b> (6,865)	<b>8.1</b> (6,122)	<b>85.0</b> (32,399)
	Ojai Valley Community Hospital					<b>100.0</b> (6)
	Saint John's Pleasant Valley Hospital	<b>22.8</b> (69)	<b>13.1</b> (35)			<b>95.5</b> (63)
	Saint John's Regional Medical Center	<b>25.1</b> (404)	<b>14.1</b> (197)	<b>2.5</b> (6)	<b>1.4</b> (3)	<b>93.5</b> (115)
	Simi Valley Hospital and Healthcare Services – Sycamore	<b>27.7</b> (132)	<b>18.2</b> (77)			<b>95.5</b> (84)
	Thousand Oaks Surgical Hospital					<b>100.0</b> (9)
	Ventura County Medical Center	<b>23.0</b> (730)	<b>10.0</b> (269)	<b>3.6</b> (19)	<b>3.8</b> (18)	<b>92.5</b> (147)
Yolo	Sutter Davis Hospital	<b>15.7</b> (197)	<b>8.9</b> (103)	<b>1.9</b> (2)	<b>2.1</b> (2)	<b>91.5</b> (43)
	Woodland Memorial Hospital	<b>24.7</b> (158)	<b>14.0</b> (78)	<b>1.1</b> (1)	<b>1.2</b> (1)	<b>79.3</b> (46)
Yuba	Rideout Memorial Hospital					<b>87.2</b> (150)

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