

# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
Alameda	Alameda County Medical Center – Highland Campus**	22.8 (226)	13.3 (110)	29.8 (53)	29.3 (48)	88.8 (143)
	Alameda Hospital					94.4 (34)
	Alta Bates Summit Medical Center – Alta Bates Campus	22.2 (1,384)	13.6 (720)	28.7 (323)	31.0 (299)	91.8 (112)
	Alta Bates Summit Medical Center – Summit Campus – Hawthorne					91.8 (112)
	Children’s Hospital and Research Center at Oakland					100.0 (5)
	Eden Medical Center	29.1 (297)	18.7 (166)	0.7 (1)	0.8 (1)	90.5 (114)
	Kaiser Foundation Hospital – Hayward	28.1 (602)	18.9 (343)	18.1 (68)	19.3 (62)	90.5 (210)
	Kaiser Foundation Hospital – Oakland Campus	26.4 (494)	18.8 (301)	26.9 (82)	27.4 (73)	87.1 (176)
	Kindred Hospital – San Francisco Bay Area					
	Saint Rose Hospital	24.1 (240)	14.9 (132)	0.9 (1)	0.9 (1)	97.3 (107)
	San Leandro Hospital					87.2 (34)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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<b>STATEWIDE AVERAGE</b>		<b>29.8</b> (129,364)	<b>17.2</b> (61,746)	<b>8.9</b> (7,460)	<b>8.9</b> (6,646)	<b>88.0</b> (34,801)
	Valleycare Medical Center	<b>33.1</b> (389)	<b>18.8</b> (182)	<b>2.6</b> (6)	<b>1.4</b> (3)	<b>98.2</b> (107)
	Washington Hospital – Fremont	<b>31.9</b> (553)	<b>19.3</b> (283)			<b>87.0</b> (87)
Amador	Sutter Amador Hospital	<b>30.9</b> (92)	<b>20.5</b> (53)			<b>72.7</b> (24)
Butte	Biggs Gridley Memorial Hospital					<b>84.6</b> (11)
	Enloe Medical Center – Esplanade Campus	<b>24.2</b> (285)	<b>12.8</b> (130)	<b>5.3</b> (10)	<b>4.3</b> (7)	<b>84.4</b> (141)
	Feather River Hospital	<b>21.7</b> (198)	<b>11.7</b> (95)	<b>0.9</b> (1)		<b>92.6</b> (75)
	Oroville Hospital	<b>32.2</b> (124)	<b>18.0</b> (57)	<b>1.3</b> (1)	<b>1.5</b> (1)	<b>95.1</b> (136)
Calaveras	Mark Twain Saint Joseph’s Hospital					<b>93.3</b> (14)
Colusa	Colusa Regional Medical Center	<b>42.7</b> (67)	<b>27.0</b> (33)	<b>2.7</b> (1)	<b>2.9</b> (1)	<b>73.1</b> (19)

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Contra Costa	Contra Costa Regional Medical Center	21.2 (403)	11.8 (192)	20.5 (62)	21.6 (58)	98.4 (182)
	Doctors Medical Center – San Pablo					86.6 (58)
	John Muir Medical Center – Concord Campus					94.4 (136)
	John Muir Medical Center – Walnut Creek Campus	24.4 (548)	14.0 (264)	19.4 (78)	20.9 (75)	90.2 (148)
	Kaiser Foundation Hospital – Antioch	20.9 (275)	12.0 (137)	19.2 (35)	18.8 (32)	72.0 (59)
	Kaiser Foundation Hospital – Walnut Creek	23.5 (687)	14.4 (361)	18.1 (87)	19.3 (78)	82.2 (120)
	San Ramon Regional Medical Center	37.1 (231)	21.6 (107)	1.4 (2)	1.6 (2)	100.0 (88)
	Sutter Delta Medical Center	23.1 (200)	14.6 (112)	8.6 (9)	9.3 (9)	94.6 (123)
Del Norte	Sutter Coast Hospital	24.5 (81)	15.8 (47)			92.9 (39)
El Dorado	Barton Memorial Hospital	23.8 (88)	11.0 (35)			91.2 (31)

Source: [Agency for Healthcare Research and Quality \(AHRQ\) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011](#).

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	Marshall Medical Center	<b>28.0</b> (138)	<b>18.7</b> (80)	<b>9.9</b> (7)	<b>10.8</b> (7)	<b>91.5</b> (75)
Fresno	Clovis Community Medical Center	<b>36.0</b> (1,099)	<b>20.8</b> (502)	<b>7.1</b> (51)	<b>7.6</b> (49)	<b>89.4</b> (168)
	Coalinga Regional Medical Center					
	Community Regional Medical Center – Fresno	<b>28.8</b> (1,522)	<b>14.3</b> (606)	<b>11.6</b> (155)	<b>11.9</b> (124)	<b>87.8</b> (287)
	Fresno Heart and Surgical Hospital					<b>91.3</b> (84)
	Fresno Surgical Hospital					
	Kaiser Foundation Hospital – Fresno	<b>27.5</b> (285)	<b>17.5</b> (154)	<b>16.6</b> (29)	<b>17.6</b> (28)	<b>91.5</b> (108)
	Saint Agnes Medical Center	<b>32.6</b> (1,207)	<b>18.5</b> (564)	<b>2.2</b> (16)	<b>1.5</b> (10)	<b>88.2</b> (253)
	San Joaquin Valley Rehabilitation Hospital					
	Sierra Kings District Hospital**	<b>35.1</b> (347)	<b>20.0</b> (160)	<b>0.4</b> (1)	<b>0.5</b> (1)	<b>100.0</b> (4)
Glenn	Glenn Medical Center					
Humboldt	Jerold Phelps Community Hospital					

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	Mad River Community Hospital	21.2 (90)	12.6 (46)	29.7 (19)	27.9 (17)	93.8 (30)
	Redwood Memorial Hospital	19.3 (59)	10.2 (27)	18.2 (8)	20.0 (8)	76.9 (10)
	Saint Joseph Hospital – Eureka	22.9 (123)	12.4 (59)	1.2 (1)		88.0 (66)
Imperial	El Centro Regional Medical Center	43.7 (487)	22.5 (182)	0.3 (1)	0.3 (1)	83.5 (66)
	Pioneers Memorial Hospital**	31.7 (530)	16.2 (220)	1.2 (4)	1.3 (4)	95.9 (70)
Inyo	Northern Inyo Hospital	24.4 (44)	14.0 (22)	4.0 (1)	4.3 (1)	54.5 (6)
	Southern Inyo Hospital					
Kern	Bakersfield Heart Hospital					88.6 (31)
	Bakersfield Memorial Hospital	21.2 (672)	9.9 (270)	8.2 (40)	8.4 (37)	88.9 (255)
	Delano Regional Medical Center	25.0 (182)	13.3 (83)	3.4 (4)	3.9 (4)	83.6 (56)

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	Good Samaritan Hospital – Bakersfield					<b>75.0</b> <b>(6)</b>
	Kern Medical Center	<b>23.5</b> <b>(732)</b>	<b>8.5</b> <b>(213)</b>	<b>16.3</b> <b>(117)</b>	<b>16.0</b> <b>(99)</b>	<b>77.1</b> <b>(74)</b>
	Kern Valley Healthcare District					
	Mercy Hospital – Bakersfield	<b>25.4</b> <b>(532)</b>	<b>14.8</b> <b>(264)</b>	<b>12.4</b> <b>(45)</b>	<b>13.3</b> <b>(41)</b>	<b>85.2</b> <b>(161)</b>
	Ridgecrest Regional Hospital	<b>37.0</b> <b>(191)</b>	<b>21.3</b> <b>(87)</b>	<b>3.5</b> <b>(4)</b>	<b>2.8</b> <b>(3)</b>	<b>95.7</b> <b>(66)</b>
	San Joaquin Community Hospital	<b>20.4</b> <b>(500)</b>	<b>10.7</b> <b>(232)</b>	<b>9.3</b> <b>(31)</b>	<b>9.2</b> <b>(27)</b>	<b>90.8</b> <b>(324)</b>
	Tehachapi Hospital					
Kings	Adventist Medical Center	<b>30.8</b> <b>(304)</b>	<b>13.6</b> <b>(107)</b>	<b>0.9</b> <b>(2)</b>	<b>0.5</b> <b>(1)</b>	<b>88.6</b> <b>(171)</b>
	Central Valley General Hospital	<b>38.6</b> <b>(663)</b>	<b>20.5</b> <b>(270)</b>	<b>1.8</b> <b>(8)</b>	<b>1.5</b> <b>(6)</b>	
	Corcoran District Hospital					<b>75.0</b> <b>(3)</b>
Lake	Saint Helena Hospital – Clearlake	<b>21.4</b> <b>(39)</b>	<b>11.3</b> <b>(18)</b>	<b>4.2</b> <b>(1)</b>	<b>4.5</b> <b>(1)</b>	<b>88.9</b> <b>(24)</b>

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	Sutter Lakeside Hospital	<b>27.1</b> <b>(70)</b>	<b>16.1</b> <b>(36)</b>			<b>80.0</b> <b>(16)</b>
Lassen	Banner Lassen Medical Center	<b>30.1</b> <b>(75)</b>	<b>16.7</b> <b>(35)</b>			<b>93.3</b> <b>(28)</b>
Los Angeles	Alhambra Hospital					<b>85.2</b> <b>(52)</b>
	Antelope Valley Hospital	<b>32.4</b> <b>(1,551)</b>	<b>17.8</b> <b>(696)</b>	<b>2.4</b> <b>(24)</b>	<b>2.1</b> <b>(18)</b>	<b>88.7</b> <b>(197)</b>
	Barlow Respiratory Hospital					<b>100.0</b> <b>(1)</b>
	Bellflower Medical Center	<b>55.4</b> <b>(755)</b>	<b>39.1</b> <b>(390)</b>			<b>93.9</b> <b>(46)</b>
	Beverly Hospital	<b>40.0</b> <b>(322)</b>	<b>24.4</b> <b>(156)</b>			<b>78.0</b> <b>(85)</b>
	Brotman Medical Center					<b>74.1</b> <b>(20)</b>
	California Hospital Medical Center – Los Angeles	<b>28.0</b> <b>(1,079)</b>	<b>15.1</b> <b>(469)</b>	<b>17.9</b> <b>(159)</b>	<b>18.4</b> <b>(138)</b>	<b>87.6</b> <b>(169)</b>
	Catalina Island Medical Center					

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	Cedars Sinai Medical Center	32.5 (1,917)	22.1 (1,098)	11.9 (125)	12.4 (116)	87.3 (356)
	Centinela Hospital Medical Center	35.7 (358)	19.3 (152)	5.3 (13)	4.6 (10)	85.2 (46)
	Children's Hospital of Los Angeles					91.7 (11)
	Citrus Valley Medical Center – Inter Community Campus					84.7 (94)
	Citrus Valley Medical Center – Queen of the Valley Campus	46.2 (1,763)	28.8 (824)	1.6 (17)	1.6 (15)	92.1 (256)
	City of Hope Helford Clinical Research Hospital					45.5 (10)
	Coast Plaza Doctors Hospital					91.2 (31)
	Community Hospital of Long Beach					87.5 (21)
	Community and Mission Hospital of Huntington Park – Slauson					74.7 (56)
	Doctors Hospital of West Covina, Inc.					
	Downey Regional Medical Center	27.5 (328)	14.8 (147)	7.7 (17)	7.7 (15)	90.1 (128)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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

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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 Delivery 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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Earl and Lorraine Miller Children's Hospital	<b>32.0</b> <b>(1,409)</b>	<b>18.8</b> <b>(670)</b>	<b>12.4</b> <b>(122)</b>	<b>12.1</b> <b>(102)</b>	<b>100.0</b> <b>(4)</b>
	East Los Angeles Doctors Hospital	<b>51.6</b> <b>(410)</b>	<b>34.2</b> <b>(199)</b>	<b>0.4</b> <b>(1)</b>	<b>0.5</b> <b>(1)</b>	<b>87.8</b> <b>(36)</b>
	East Valley Hospital Medical Center	<b>54.8</b> <b>(108)</b>	<b>38.2</b> <b>(55)</b>			<b>85.7</b> <b>(12)</b>
	Encino Hospital Medical Center					<b>100.0</b> <b>(11)</b>
	Foothill Presbyterian Hospital – Johnston Memorial	<b>37.4</b> <b>(321)</b>	<b>21.3</b> <b>(145)</b>	<b>1.0</b> <b>(2)</b>	<b>0.6</b> <b>(1)</b>	<b>80.5</b> <b>(66)</b>
	Garfield Medical Center	<b>38.5</b> <b>(1,152)</b>	<b>21.0</b> <b>(487)</b>	<b>2.2</b> <b>(17)</b>	<b>1.8</b> <b>(12)</b>	<b>72.0</b> <b>(59)</b>
	Glendale Adventist Medical Center – Wilson Terrace	<b>38.5</b> <b>(819)</b>	<b>23.9</b> <b>(404)</b>	<b>4.6</b> <b>(24)</b>	<b>5.5</b> <b>(24)</b>	<b>91.2</b> <b>(187)</b>
	Glendale Memorial Hospital and Medical Center	<b>39.3</b> <b>(713)</b>	<b>24.2</b> <b>(347)</b>	<b>3.8</b> <b>(16)</b>	<b>3.9</b> <b>(15)</b>	<b>78.7</b> <b>(107)</b>
	Good Samaritan Hospital – Los Angeles	<b>28.3</b> <b>(1,154)</b>	<b>15.7</b> <b>(532)</b>	<b>9.5</b> <b>(74)</b>	<b>9.5</b> <b>(65)</b>	<b>87.9</b> <b>(94)</b>
	Greater El Monte Community Hospital	<b>38.4</b> <b>(164)</b>	<b>21.5</b> <b>(71)</b>	<b>2.9</b> <b>(3)</b>	<b>3.1</b> <b>(3)</b>	<b>83.7</b> <b>(36)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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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 Delivery 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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Henry Mayo Newhall Memorial Hospital	33.4 (353)	18.1 (155)	1.4 (3)	1.5 (3)	95.9 (116)
	Hollywood Community Hospital					100.0 (4)
	Hollywood Presbyterian Medical Center	36.6 (1,331)	22.0 (630)	8.7 (76)	8.8 (68)	84.8 (156)
	Huntington Memorial Hospital	36.8 (1,003)	24.0 (539)	3.0 (17)	2.3 (11)	93.9 (369)
	Kaiser Foundation Hospital – Baldwin Park	26.3 (667)	16.6 (357)	20.7 (92)	19.7 (76)	95.0 (245)
	Kaiser Foundation Hospital – Downey	27.7 (845)	18.1 (470)	17.8 (99)	17.9 (82)	90.0 (487)
	Kaiser Foundation Hospital – Panorama City	24.8 (405)	14.4 (199)	17.2 (50)	16.9 (42)	62.0 (62)
	Kaiser Foundation Hospital – South Bay	25.2 (448)	15.8 (241)	17.7 (49)	17.9 (45)	86.2 (112)
	Kaiser Foundation Hospital – Sunset	27.8 (559)	18.5 (317)	20.1 (69)	19.6 (59)	83.7 (154)
	Kaiser Foundation Hospital – West Los Angeles	25.1 (364)	16.8 (213)	15.0 (31)	16.6 (30)	89.8 (132)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Kaiser Foundation Hospital – Woodland Hills	25.6 (352)	15.2 (178)	15.0 (34)	15.1 (31)	91.5 (161)
	Keck Hospital of University of Southern California					44.2 (19)
	Kindred Hospital – Baldwin Park					100.0 (2)
	Kindred Hospital – La Mirada					
	Kindred Hospital – Los Angeles					
	Kindred Hospital – South Bay					100.0 (2)
	Lakewood Regional Medical Center					89.1 (98)
	Long Beach Memorial Medical Center	50.0 (1)	50.0 (1)	100.0 (1)		88.1 (266)
	Los Angeles Community Hospital	63.9 (108)	49.2 (59)			91.7 (22)
	Los Angeles County/Harbor – UCLA Medical Center	34.5 (245)	24.3 (143)	15.5 (22)	17.1 (21)	90.9 (340)
	Los Angeles County/Olive View – UCLA Medical Center	33.5 (175)	17.1 (66)	17.1 (31)	19.9 (27)	95.0 (441)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Los Angeles County/Rancho Los Amigos National Rehabilitation Center					<b>54.5</b> <b>(6)</b>
	Los Angeles County/University of Southern California Medical Center	<b>34.2</b> <b>(289)</b>	<b>23.6</b> <b>(159)</b>	<b>22.9</b> <b>(50)</b>	<b>23.1</b> <b>(39)</b>	<b>86.4</b> <b>(298)</b>
	Los Angeles Metropolitan Medical Center					<b>66.7</b> <b>(2)</b>
	Marina Del Rey Hospital					<b>78.1</b> <b>(25)</b>
	Memorial Hospital of Gardena	<b>40.6</b> <b>(465)</b>	<b>22.9</b> <b>(202)</b>	<b>0.6</b> <b>(2)</b>	<b>0.4</b> <b>(1)</b>	<b>86.8</b> <b>(33)</b>
	Methodist Hospital of Southern California	<b>27.6</b> <b>(418)</b>	<b>15.6</b> <b>(200)</b>	<b>5.8</b> <b>(16)</b>	<b>6.8</b> <b>(16)</b>	<b>89.9</b> <b>(248)</b>
	Miracle Mile Medical Center					
	Mission Community Hospital – Panorama Campus					<b>33.3</b> <b>(3)</b>
	Monrovia Medical Center					
	Monterey Park Hospital	<b>44.1</b> <b>(642)</b>	<b>27.3</b> <b>(305)</b>			<b>47.4</b> <b>(27)</b>
	Motion Picture and Television Hospital					<b>100.0</b> <b>(1)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Northridge Hospital Medical Center	<b>36.2</b> <b>(695)</b>	<b>20.0</b> <b>(307)</b>	<b>0.2</b> <b>(1)</b>		<b>75.5</b> <b>(188)</b>
	Norwalk Community Hospital					<b>100.0</b> <b>(15)</b>
	Olympia Medical Center					<b>83.7</b> <b>(36)</b>
	Pacific Alliance Medical Center, Inc.	<b>33.8</b> <b>(649)</b>	<b>17.2</b> <b>(264)</b>	<b>0.2</b> <b>(1)</b>	<b>0.3</b> <b>(1)</b>	<b>86.7</b> <b>(52)</b>
	Pacific Hospital of Long Beach	<b>34.5</b> <b>(265)</b>	<b>12.4</b> <b>(71)</b>	<b>0.5</b> <b>(1)</b>	<b>0.5</b> <b>(1)</b>	<b>77.8</b> <b>(7)</b>
	Pacifica Hospital of the Valley	<b>45.8</b> <b>(248)</b>	<b>28.3</b> <b>(116)</b>			<b>78.6</b> <b>(22)</b>
	Palmdale Regional Medical Center					<b>88.1</b> <b>(111)</b>
	Pomona Valley Hospital Medical Center	<b>31.1</b> <b>(1,926)</b>	<b>15.9</b> <b>(793)</b>	<b>4.4</b> <b>(58)</b>	<b>4.5</b> <b>(54)</b>	<b>85.1</b> <b>(234)</b>
	Presbyterian Intercommunity Hospital	<b>29.8</b> <b>(856)</b>	<b>17.5</b> <b>(419)</b>	<b>9.7</b> <b>(53)</b>	<b>9.7</b> <b>(47)</b>	<b>91.6</b> <b>(251)</b>
	Promise Hospital of East Los Angeles – East Los Angeles Campus					

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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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Providence Holy Cross Medical Center	30.5 (728)	17.2 (343)	2.3 (10)	1.5 (6)	88.0 (184)
	Providence Little Company of Mary Medical Center – San Pedro	29.0 (187)	16.1 (88)	1.9 (2)	1.0 (1)	91.7 (121)
	Providence Little Company of Mary Medical Center – Torrance	34.6 (761)	23.5 (443)	0.9 (3)	0.3 (1)	91.2 (268)
	Providence Saint Joseph Medical Center	33.7 (765)	22.5 (436)	0.8 (3)	0.6 (2)	94.2 (261)
	Providence Tarzana Medical Center	36.0 (701)	23.0 (367)	4.5 (18)	5.1 (18)	91.7 (189)
	Ronald Reagan UCLA Medical Center	28.4 (541)	20.8 (341)	23.3 (71)	24.2 (64)	53.9 (62)
	Saint Francis Medical Center	34.2 (1,598)	18.9 (703)	6.7 (76)	7.0 (67)	86.7 (156)
	Saint John’s Health Center	33.7 (448)	23.6 (271)	2.8 (6)	2.7 (5)	68.8 (55)
	Saint Mary Medical Center	29.7 (819)	16.3 (374)	4.1 (21)	4.1 (19)	70.0 (35)
	Saint Vincent Medical Center					82.1 (78)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	San Dimas Community Hospital	<b>28.1</b> <b>(110)</b>	<b>15.8</b> <b>(53)</b>			<b>85.7</b> <b>(48)</b>
	San Gabriel Valley Medical Center	<b>37.1</b> <b>(692)</b>	<b>20.9</b> <b>(310)</b>	<b>0.9</b> <b>(4)</b>	<b>1.0</b> <b>(4)</b>	<b>83.1</b> <b>(74)</b>
	Santa Monica – UCLA Medical Center and Orthopedic Hospital	<b>37.2</b> <b>(418)</b>	<b>23.0</b> <b>(208)</b>	<b>4.0</b> <b>(10)</b>	<b>4.1</b> <b>(9)</b>	<b>85.9</b> <b>(67)</b>
	Sherman Oaks Hospital					<b>100.0</b> <b>(38)</b>
	Shriners Hospital for Children – Los Angeles					
	Silver Lake Medical Center – Downtown Campus					<b>85.7</b> <b>(12)</b>
	Temple Community Hospital					<b>83.3</b> <b>(5)</b>
	Torrance Memorial Medical Center	<b>42.5</b> <b>(1,223)</b>	<b>28.6</b> <b>(653)</b>	<b>3.5</b> <b>(23)</b>	<b>3.4</b> <b>(20)</b>	<b>87.7</b> <b>(285)</b>
	Tri-City Regional Medical Center – Hawaiian Gardens					<b>91.9</b> <b>(34)</b>
	University of Southern California Kenneth Norris, Jr. Cancer Hospital					
	Valley Presbyterian Hospital	<b>37.9</b> <b>(1,367)</b>	<b>20.4</b> <b>(569)</b>	<b>1.9</b> <b>(18)</b>	<b>1.8</b> <b>(15)</b>	<b>89.5</b> <b>(196)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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

\*\*Hospital consolidated or changed name from 2011 to 2012.

<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 Delivery also excludes prior C-sections.

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Verdugo Hills Hospital	<b>44.1</b> <b>(258)</b>	<b>27.8</b> <b>(126)</b>			<b>87.5</b> <b>(56)</b>
	West Hills Hospital and Medical Center	<b>36.5</b> <b>(272)</b>	<b>24.3</b> <b>(152)</b>	<b>0.7</b> <b>(1)</b>		<b>86.1</b> <b>(68)</b>
	White Memorial Medical Center	<b>32.8</b> <b>(1,139)</b>	<b>19.1</b> <b>(523)</b>	<b>17.1</b> <b>(154)</b>	<b>17.2</b> <b>(128)</b>	<b>88.6</b> <b>(140)</b>
	Whittier Hospital Medical Center	<b>33.0</b> <b>(642)</b>	<b>19.2</b> <b>(308)</b>	<b>2.1</b> <b>(8)</b>	<b>1.8</b> <b>(6)</b>	<b>96.8</b> <b>(151)</b>
Madera	Children's Hospital Central California					<b>50.0</b> <b>(1)</b>
	Madera Community Hospital	<b>29.8</b> <b>(476)</b>	<b>14.3</b> <b>(185)</b>	<b>5.0</b> <b>(17)</b>	<b>5.2</b> <b>(16)</b>	<b>89.2</b> <b>(74)</b>
Marin	Kaiser Foundation Hospital – San Rafael					<b>81.5</b> <b>(53)</b>
	Kentfield Rehabilitation Hospital					
	Marin General Hospital	<b>23.6</b> <b>(294)</b>	<b>15.0</b> <b>(159)</b>	<b>26.1</b> <b>(53)</b>	<b>27.4</b> <b>(51)</b>	<b>87.9</b> <b>(94)</b>
	Novato Community Hospital					<b>96.4</b> <b>(27)</b>
Mariposa	John C. Fremont Healthcare District					

Source: [Agency for Healthcare Research and Quality \(AHRQ\)](http://www.ahrq.gov) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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		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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
Mendocino	Frank R. Howard Memorial Hospital					<b>87.8</b> <b>(36)</b>
	Mendocino Coast District Hospital	<b>22.4</b> <b>(35)</b>	<b>11.0</b> <b>(15)</b>			<b>81.8</b> <b>(9)</b>
	Ukiah Valley Medical Center	<b>25.9</b> <b>(201)</b>	<b>16.2</b> <b>(108)</b>	<b>13.8</b> <b>(16)</b>	<b>14.7</b> <b>(16)</b>	<b>91.2</b> <b>(52)</b>
Merced	Memorial Hospital Los Banos	<b>28.6</b> <b>(196)</b>	<b>14.7</b> <b>(84)</b>	<b>2.4</b> <b>(3)</b>	<b>1.8</b> <b>(2)</b>	<b>88.9</b> <b>(8)</b>
	Mercy Medical Center – Merced	<b>30.6</b> <b>(754)</b>	<b>17.1</b> <b>(350)</b>	<b>4.2</b> <b>(20)</b>	<b>4.3</b> <b>(18)</b>	<b>92.7</b> <b>(228)</b>
Modoc	Modoc Medical Center					
	Surprise Valley Community Hospital					
Mono	Mammoth Hospital	<b>23.4</b> <b>(25)</b>	<b>13.7</b> <b>(13)</b>			<b>100.0</b> <b>(3)</b>
Monterey	Community Hospital Monterey Peninsula	<b>25.7</b> <b>(294)</b>	<b>15.4</b> <b>(155)</b>	<b>0.6</b> <b>(1)</b>		<b>93.9</b> <b>(200)</b>
	George L. Mee Memorial Hospital	<b>28.4</b> <b>(137)</b>	<b>12.0</b> <b>(47)</b>			<b>93.1</b> <b>(27)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Natividad Medical Center	26.2 (664)	13.0 (265)	19.2 (108)	19.4 (96)	96.5 (82)
	Salinas Valley Memorial Hospital	26.4 (417)	12.9 (172)	0.4 (1)	0.4 (1)	87.0 (261)
Napa	Queen of the Valley Hospital – Napa	27.8 (221)	17.3 (117)	12.4 (17)	12.6 (15)	90.8 (79)
	Saint Helena Hospital	23.5 (54)	12.1 (24)	3.1 (1)	3.2 (1)	51.4 (19)
Nevada	Sierra Nevada Memorial Hospital	17.8 (76)	9.4 (36)	8.5 (4)	9.1 (4)	72.1 (49)
	Tahoe Forest Hospital	23.8 (77)	14.9 (43)	2.5 (1)	2.9 (1)	77.4 (24)
Orange	AHMC Anaheim Regional Medical Center	23.9 (399)	11.9 (170)	2.8 (7)	3.0 (7)	91.7 (243)
	Anaheim General Hospital					100.0 (16)
	Chapman Medical Center					94.7 (36)
	Children’s Hospital at Mission					

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Children's Hospital of Orange County					<b>100.0</b> <b>(1)</b>
	Coastal Communities Hospital	<b>42.2</b> <b>(558)</b>	<b>23.0</b> <b>(228)</b>	<b>0.8</b> <b>(3)</b>	<b>0.6</b> <b>(2)</b>	<b>86.2</b> <b>(112)</b>
	College Hospital Costa Mesa					
	Fountain Valley Regional Hospital and Medical Center – Euclid	<b>31.5</b> <b>(895)</b>	<b>16.8</b> <b>(386)</b>	<b>6.1</b> <b>(36)</b>	<b>6.1</b> <b>(33)</b>	<b>88.9</b> <b>(248)</b>
	Garden Grove Hospital and Medical Center	<b>39.4</b> <b>(684)</b>	<b>21.2</b> <b>(280)</b>	<b>2.8</b> <b>(13)</b>	<b>3.1</b> <b>(13)</b>	<b>88.1</b> <b>(96)</b>
	Hoag Memorial Hospital Presbyterian	<b>33.5</b> <b>(1,788)</b>	<b>21.9</b> <b>(972)</b>	<b>7.9</b> <b>(77)</b>	<b>8.5</b> <b>(76)</b>	<b>92.7</b> <b>(292)</b>
	Hoag Orthopedic Institute					
	Huntington Beach Hospital					<b>92.7</b> <b>(38)</b>
	Kaiser Foundation Hospital – Anaheim	<b>26.9</b> <b>(1,184)</b>	<b>18.2</b> <b>(690)</b>	<b>19.6</b> <b>(136)</b>	<b>20.5</b> <b>(127)</b>	<b>91.4</b> <b>(213)</b>
	Kindred Hospital – Brea					
	Kindred Hospital – Westminster					
	La Palma Intercommunity Hospital	<b>15.1</b> <b>(27)</b>	<b>5.0</b> <b>(8)</b>	<b>4.8</b> <b>(1)</b>	<b>5.0</b> <b>(1)</b>	<b>94.4</b> <b>(34)</b>

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Los Alamitos Medical Center	25.4 (368)	12.6 (155)	5.3 (13)	5.3 (12)	82.1 (101)
	Mission Hospital Laguna Beach					100.0 (13)
	Mission Hospital Regional Medical Center	31.8 (844)	17.8 (389)	3.0 (16)	3.2 (15)	94.7 (177)
	Newport Specialty Hospital					100.0 (2)
	Orange Coast Memorial Medical Center	29.6 (448)	17.8 (230)	1.7 (4)	1.8 (4)	84.7 (194)
	Placentia Linda Hospital					93.0 (120)
	Saddleback Memorial Medical Center	29.5 (642)	18.1 (324)	16.9 (74)	16.5 (63)	93.0 (106)
	Saint Joseph Hospital – Orange	33.6 (1,469)	21.1 (752)	11.2 (102)	11.7 (95)	74.8 (110)
	Saint Jude Medical Center	27.0 (502)	15.6 (244)	12.5 (41)	11.9 (35)	86.9 (113)
	UC Irvine Medical Center	28.1 (259)	16.3 (120)	24.4 (63)	25.3 (47)	76.5 (104)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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		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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	West Anaheim Medical Center					<b>95.6</b> <b>(130)</b>
	Western Medical Center – Anaheim	<b>27.3</b> <b>(448)</b>	<b>11.0</b> <b>(148)</b>	<b>1.2</b> <b>(4)</b>	<b>1.0</b> <b>(3)</b>	<b>88.2</b> <b>(30)</b>
	Western Medical Center – Santa Ana	<b>34.8</b> <b>(721)</b>	<b>16.1</b> <b>(256)</b>	<b>4.2</b> <b>(23)</b>	<b>3.9</b> <b>(19)</b>	<b>78.9</b> <b>(90)</b>
Placer	Kaiser Foundation Hospital – Roseville	<b>21.8</b> <b>(954)</b>	<b>13.8</b> <b>(522)</b>	<b>26.6</b> <b>(187)</b>	<b>27.9</b> <b>(167)</b>	<b>87.0</b> <b>(201)</b>
	Sutter Auburn Faith Hospital	<b>30.7</b> <b>(55)</b>	<b>21.0</b> <b>(33)</b>			<b>95.4</b> <b>(83)</b>
	Sutter Roseville Medical Center	<b>25.4</b> <b>(663)</b>	<b>14.8</b> <b>(329)</b>	<b>14.6</b> <b>(63)</b>	<b>14.6</b> <b>(57)</b>	<b>88.5</b> <b>(262)</b>
Plumas	Eastern Plumas Hospital – Portola Campus					
	Plumas District Hospital	<b>37.5</b> <b>(24)</b>	<b>27.3</b> <b>(15)</b>			<b>92.3</b> <b>(12)</b>
	Seneca Healthcare District					<b>100.0</b> <b>(1)</b>
Riverside	Corona Regional Medical Center – Main	<b>27.4</b> <b>(381)</b>	<b>14.4</b> <b>(170)</b>	<b>0.4</b> <b>(1)</b>	<b>0.5</b> <b>(1)</b>	<b>95.4</b> <b>(103)</b>

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	Desert Regional Medical Center	<b>27.9</b> <b>(826)</b>	<b>13.9</b> <b>(337)</b>	<b>9.8</b> <b>(59)</b>	<b>9.4</b> <b>(51)</b>	<b>89.9</b> <b>(268)</b>
	Eisenhower Medical Center					<b>92.2</b> <b>(423)</b>
	Hemet Valley Medical Center	<b>38.8</b> <b>(355)</b>	<b>21.5</b> <b>(153)</b>	<b>1.7</b> <b>(4)</b>	<b>1.0</b> <b>(2)</b>	<b>76.4</b> <b>(84)</b>
	John F. Kennedy Memorial Hospital	<b>30.5</b> <b>(661)</b>	<b>14.0</b> <b>(244)</b>	<b>1.0</b> <b>(5)</b>	<b>0.7</b> <b>(3)</b>	<b>95.3</b> <b>(161)</b>
	Kaiser Foundation Hospital – Moreno Valley	<b>30.3</b> <b>(314)</b>	<b>16.8</b> <b>(145)</b>	<b>3.2</b> <b>(6)</b>	<b>2.9</b> <b>(5)</b>	<b>92.9</b> <b>(65)</b>
	Kaiser Foundation Hospital – Riverside	<b>31.2</b> <b>(906)</b>	<b>18.6</b> <b>(441)</b>	<b>12.2</b> <b>(71)</b>	<b>12.1</b> <b>(64)</b>	<b>87.3</b> <b>(172)</b>
	Kindred Hospital – Riverside					<b>50.0</b> <b>(1)</b>
	Loma Linda University Medical Center – Murrieta	<b>15.4</b> <b>(12)</b>	<b>13.2</b> <b>(10)</b>			<b>100.0</b> <b>(11)</b>
	Menifee Valley Medical Center					<b>73.2</b> <b>(30)</b>
	Palo Verde Hospital	<b>41.8</b> <b>(64)</b>	<b>27.9</b> <b>(34)</b>	<b>2.6</b> <b>(1)</b>	<b>3.2</b> <b>(1)</b>	<b>84.6</b> <b>(11)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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

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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 Delivery 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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Parkview Community Hospital Medical Center	32.2 (574)	15.4 (219)	0.2 (1)		83.6 (51)
	Riverside Community Hospital	29.2 (1,013)	15.1 (436)	0.6 (4)	0.3 (2)	66.8 (151)
	Riverside County Regional Medical Center	28.8 (594)	16.5 (281)	12.1 (52)	11.8 (42)	91.1 (194)
	San Geronio Memorial Hospital	32.9 (139)	18.7 (65)	3.6 (3)	2.6 (2)	76.2 (32)
	Southwest Healthcare System – Murrieta	25.6 (900)	11.7 (345)	1.1 (7)	1.2 (7)	95.8 (364)
Sacramento	Kaiser Foundation Hospital – Sacramento					80.5 (132)
	Kaiser Foundation Hospital – South Sacramento	16.2 (351)	8.8 (167)	31.3 (97)	32.8 (90)	89.4 (127)
	Kindred Hospital – Sacramento					
	Mercy General Hospital	26.7 (751)	16.5 (395)	13.4 (60)	14.0 (58)	90.2 (101)
	Mercy Hospital – Folsom	23.5 (206)	13.5 (102)	11.3 (14)	11.9 (14)	90.7 (78)
	Mercy San Juan Hospital	25.1 (534)	14.4 (261)	12.7 (46)	13.3 (42)	86.7 (124)

Source: [Agency for Healthcare Research and Quality \(AHRQ\)](http://www.ahrq.gov) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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

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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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Methodist Hospital of Sacramento	23.0 (234)	11.9 (102)	15.9 (28)	15.9 (25)	97.9 (94)
	Shriners Hospital for Children Northern California					
	Sutter General Hospital	100.0 (1)	100.0 (1)			87.8 (115)
	Sutter Memorial Hospital	31.3 (1,417)	17.5 (643)	9.3 (95)	10.1 (87)	89.1 (57)
	UC Davis Medical Center	24.5 (412)	14.4 (197)	31.4 (117)	32.4 (103)	77.8 (140)
San Benito	Hazel Hawkins Memorial Hospital**	33.1 (135)	18.8 (63)			97.7 (85)
San Bernardino	Arrowhead Regional Medical Center	27.9 (713)	14.3 (299)	10.8 (57)	10.8 (50)	88.4 (311)
	Barstow Community Hospital	31.2 (64)	19.3 (33)	8.1 (3)	8.8 (3)	75.9 (22)
	Bear Valley Community Hospital					62.5 (5)
	Chino Valley Medical Center					86.5 (96)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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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 Delivery 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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Colorado River Medical Center					<b>100.0</b> <b>(1)</b>
	Community Hospital of San Bernardino	<b>41.7</b> <b>(890)</b>	<b>21.9</b> <b>(349)</b>	<b>0.8</b> <b>(5)</b>	<b>0.9</b> <b>(5)</b>	<b>93.4</b> <b>(169)</b>
	Desert Valley Hospital	<b>26.5</b> <b>(127)</b>	<b>10.4</b> <b>(41)</b>	<b>1.0</b> <b>(1)</b>		<b>83.9</b> <b>(94)</b>
	Hi-Desert Medical Center	<b>39.3</b> <b>(137)</b>	<b>27.6</b> <b>(81)</b>			<b>91.7</b> <b>(99)</b>
	Kaiser Foundation Hospital – Fontana	<b>26.1</b> <b>(1,014)</b>	<b>14.0</b> <b>(456)</b>	<b>11.8</b> <b>(85)</b>	<b>11.6</b> <b>(73)</b>	<b>88.5</b> <b>(278)</b>
	Kindred Hospital – Ontario					
	Kindred Hospital – Rancho					<b>100.0</b> <b>(1)</b>
	Loma Linda University Medical Center	<b>28.6</b> <b>(595)</b>	<b>16.7</b> <b>(275)</b>	<b>23.6</b> <b>(132)</b>	<b>26.3</b> <b>(114)</b>	<b>77.9</b> <b>(95)</b>
	Montclair Hospital Medical Center	<b>39.4</b> <b>(325)</b>	<b>23.2</b> <b>(151)</b>	<b>0.5</b> <b>(1)</b>	<b>0.6</b> <b>(1)</b>	<b>90.7</b> <b>(49)</b>
	Mountains Community Hospital					
	Redlands Community Hospital	<b>26.6</b> <b>(625)</b>	<b>14.8</b> <b>(299)</b>	<b>0.6</b> <b>(2)</b>	<b>0.6</b> <b>(2)</b>	<b>74.3</b> <b>(133)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Saint Bernardine Medical Center	22.4 (407)	11.2 (176)	5.6 (15)	5.3 (13)	92.0 (184)
	Saint Mary Regional Medical Center	20.9 (499)	11.0 (232)	2.8 (9)	1.8 (5)	90.5 (209)
	San Antonio Community Hospital	36.5 (742)	23.3 (392)	0.5 (2)	0.6 (2)	85.3 (267)
	Victor Valley Community Hospital	36.3 (491)	17.8 (186)	0.9 (3)	1.0 (3)	93.5 (101)
San Diego	Alvarado Hospital					84.7 (83)
	Fallbrook Hospital District	27.4 (113)	17.5 (63)	1.8 (1)	2.0 (1)	100.0 (31)
	Grossmont Hospital	31.5 (1,007)	18.2 (469)	12.5 (82)	12.7 (78)	95.5 (514)
	Kaiser Foundation Hospital – San Diego	30.5 (1,113)	20.4 (628)	14.6 (97)	15.1 (86)	83.9 (265)
	Kindred Hospital – San Diego					
	Palomar Medical Center**	29.7 (968)	17.7 (478)	11.3 (68)	12.0 (67)	92.9 (183)
	Paradise Valley Hospital	29.2 (299)	16.1 (139)	1.7 (3)	1.8 (3)	87.0 (47)

Source: [Agency for Healthcare Research and Quality \(AHRQ\)](http://www.ahrq.gov) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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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, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Pomerado Hospital	<b>30.4</b> <b>(319)</b>	<b>17.7</b> <b>(152)</b>	<b>12.3</b> <b>(25)</b>	<b>13.0</b> <b>(25)</b>	<b>94.1</b> <b>(128)</b>
	Promise Hospital of San Diego					<b>80.0</b> <b>(8)</b>
	Rady Children's Hospital – San Diego					<b>100.0</b> <b>(3)</b>
	San Diego Hospice and Palliative Care – Acute Care Center					
	Scripps Green Hospital					<b>86.6</b> <b>(116)</b>
	Scripps Memorial Hospital – Encinitas	<b>29.6</b> <b>(405)</b>	<b>19.0</b> <b>(219)</b>	<b>13.2</b> <b>(32)</b>	<b>13.9</b> <b>(30)</b>	<b>91.7</b> <b>(122)</b>
	Scripps Memorial Hospital – La Jolla	<b>34.6</b> <b>(1,219)</b>	<b>21.5</b> <b>(616)</b>	<b>7.2</b> <b>(51)</b>	<b>7.4</b> <b>(48)</b>	<b>93.8</b> <b>(150)</b>
	Scripps Mercy Hospital	<b>28.7</b> <b>(1,058)</b>	<b>17.3</b> <b>(537)</b>	<b>11.0</b> <b>(68)</b>	<b>11.1</b> <b>(65)</b>	<b>94.3</b> <b>(596)</b>
	Sharp Chula Vista Medical Center	<b>34.8</b> <b>(888)</b>	<b>17.3</b> <b>(345)</b>	<b>2.9</b> <b>(18)</b>	<b>2.7</b> <b>(15)</b>	<b>83.6</b> <b>(153)</b>
	Sharp Coronado Hospital and Healthcare Center					<b>100.0</b> <b>(17)</b>

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Sharp Memorial Hospital	37.5 (2,745)	25.1 (1,497)	6.7 (105)	6.9 (92)	91.3 (443)
	Tri-City Medical Center – Oceanside	28.5 (750)	15.8 (346)	8.7 (44)	9.0 (40)	84.1 (164)
	UC San Diego Medical Center	30.4 (619)	21.3 (372)	13.4 (47)	14.8 (43)	72.1 (62)
	Vibra Hospital of San Diego					
San Francisco	California Pacific Medical Center – Pacific Campus	25.0 (1,174)	16.0 (654)	13.4 (94)	14.2 (86)	74.5 (140)
	California Pacific Medical Center – St. Luke’s Campus	20.3 (166)	12.9 (96)			97.9 (47)
	Chinese Hospital					75.9 (22)
	Kaiser Foundation Hospital – San Francisco	25.6 (590)	17.9 (364)	18.6 (62)	18.7 (52)	84.0 (79)
	Laguna Honda Hospital and Rehabilitation Center					
	Saint Francis Memorial Hospital					85.0 (17)
	Saint Mary’s Medical Center, San Francisco					76.4 (42)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	San Francisco General Hospital	16.9 (179)	11.3 (105)	39.3 (59)	42.2 (54)	86.1 (105)
	UC San Francisco Medical Center	18.7 (277)	14.1 (189)	35.7 (65)	37.6 (53)	66.1 (78)
San Joaquin	Dameron Hospital	30.3 (343)	16.0 (147)	7.5 (19)	7.5 (16)	80.8 (80)
	Doctors Hospital of Manteca	32.3 (221)	19.2 (109)	3.3 (4)	3.4 (4)	100.0 (44)
	Kaiser Foundation Hospital – Manteca	22.7 (479)	12.3 (221)	18.8 (66)	19.6 (63)	89.9 (169)
	Lodi Memorial Hospital	38.5 (396)	21.1 (168)	0.8 (2)	0.9 (2)	75.9 (85)
	Saint Joseph's Medical Center of Stockton	23.4 (523)	11.3 (215)	8.5 (33)	8.9 (30)	89.1 (156)
	San Joaquin General Hospital	28.6 (539)	14.8 (227)	10.8 (43)	10.9 (38)	87.7 (114)
	Sutter Tracy Community Hospital	33.8 (199)	18.8 (90)			96.7 (119)
San Luis Obispo	Arroyo Grande Community Hospital					96.6 (57)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	French Hospital Medical Center	21.0 (145)	13.4 (84)	1.6 (1)	1.6 (1)	94.3 (50)
	Sierra Vista Regional Medical Center	32.1 (348)	18.3 (158)	13.3 (33)	14.0 (31)	88.9 (48)
	Twin Cities Community Hospital	22.0 (154)	10.2 (62)	1.0 (1)	1.1 (1)	96.7 (88)
San Mateo	Kaiser Foundation Hospital – Redwood City	16.3 (187)	9.7 (99)	30.3 (44)	31.8 (41)	70.4 (19)
	Kaiser Foundation Hospital – South San Francisco					82.9 (87)
	Menlo Park Surgical Hospital					100.0 (1)
	Peninsula Medical Center	28.6 (471)	19.5 (276)	14.6 (37)	15.2 (35)	93.4 (142)
	San Mateo Medical Center					98.1 (105)
	Sequoia Hospital	31.1 (424)	18.3 (204)	11.1 (31)	12.0 (30)	95.5 (63)
	Seton Medical Center	27.1 (154)	20.1 (100)	22.5 (18)	23.9 (17)	79.8 (75)

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
Santa Barbara	Goleta Valley Cottage Hospital					<b>94.9</b> <b>(37)</b>
	Lompoc Valley Medical Center	<b>25.6</b> <b>(111)</b>	<b>14.2</b> <b>(53)</b>	<b>1.6</b> <b>(1)</b>	<b>1.7</b> <b>(1)</b>	<b>87.3</b> <b>(48)</b>
	Marian Medical Center**	<b>30.1</b> <b>(747)</b>	<b>15.6</b> <b>(319)</b>	<b>2.8</b> <b>(14)</b>	<b>1.6</b> <b>(7)</b>	<b>92.6</b> <b>(150)</b>
	Santa Barbara Cottage Hospital	<b>27.2</b> <b>(569)</b>	<b>15.6</b> <b>(282)</b>	<b>0.9</b> <b>(3)</b>	<b>1.0</b> <b>(3)</b>	<b>96.3</b> <b>(236)</b>
	Santa Ynez Valley Cottage Hospital					
Santa Clara	El Camino Hospital	<b>26.3</b> <b>(1,128)</b>	<b>15.2</b> <b>(560)</b>	<b>4.6</b> <b>(31)</b>	<b>4.7</b> <b>(28)</b>	<b>90.7</b> <b>(127)</b>
	Good Samaritan Hospital – San Jose	<b>36.1</b> <b>(1,001)</b>	<b>23.3</b> <b>(525)</b>	<b>8.3</b> <b>(49)</b>	<b>8.3</b> <b>(43)</b>	<b>87.2</b> <b>(197)</b>
	Kaiser Foundation Hospital – San Jose	<b>20.7</b> <b>(366)</b>	<b>12.0</b> <b>(184)</b>	<b>24.4</b> <b>(64)</b>	<b>24.8</b> <b>(60)</b>	<b>86.3</b> <b>(63)</b>
	Kaiser Foundation Hospital – Santa Clara	<b>22.5</b> <b>(815)</b>	<b>13.2</b> <b>(411)</b>	<b>19.9</b> <b>(122)</b>	<b>21.7</b> <b>(112)</b>	<b>89.0</b> <b>(178)</b>
	Lucile Salter Packard Children’s Hospital at Stanford	<b>24.1</b> <b>(847)</b>	<b>13.9</b> <b>(416)</b>	<b>15.6</b> <b>(100)</b>	<b>16.6</b> <b>(86)</b>	
	O’Connor Hospital – San Jose	<b>26.6</b> <b>(810)</b>	<b>14.8</b> <b>(386)</b>	<b>2.7</b> <b>(13)</b>	<b>2.8</b> <b>(12)</b>	<b>85.0</b> <b>(113)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Regional Medical of San Jose	22.6 (75)	9.2 (26)	3.5 (2)		85.3 (157)
	Saint Louise Regional Hospital	25.5 (163)	14.1 (78)	2.2 (2)	2.3 (2)	89.4 (59)
	Santa Clara Valley Medical Center	23.5 (883)	14.1 (446)	26.8 (187)	27.5 (166)	84.7 (200)
	Stanford Hospital	40.0 (2)	25.0 (1)			65.6 (99)
Santa Cruz	Dominican Hospital – Santa Cruz/Soquel	22.6 (171)	13.3 (87)	15.6 (19)	17.6 (18)	94.3 (116)
	Sutter Maternity and Surgery Center of Santa Cruz	21.6 (196)	14.9 (120)	23.6 (26)	25.5 (26)	100.0 (15)
	Watsonville Community Hospital	29.3 (398)	13.7 (152)	2.4 (7)	2.8 (7)	100.0 (78)
Shasta	Mayers Memorial Hospital	12.7 (8)	1.8 (1)			
	Mercy Medical Center – Redding	28.8 (490)	16.3 (235)	1.0 (3)	0.8 (2)	86.6 (110)
	Northern California Rehabilitation Hospital**					
	Patients' Hospital of Redding					

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Shasta Regional Medical Center					<b>94.1</b> <b>(176)</b>
Siskiyou	Fairchild Medical Center	<b>33.7</b> <b>(69)</b>	<b>18.4</b> <b>(30)</b>	<b>7.0</b> <b>(3)</b>	<b>7.1</b> <b>(3)</b>	<b>100.0</b> <b>(29)</b>
	Mercy Medical Center Mt. Shasta	<b>19.4</b> <b>(26)</b>	<b>12.3</b> <b>(15)</b>	<b>7.7</b> <b>(1)</b>	<b>8.3</b> <b>(1)</b>	<b>50.0</b> <b>(7)</b>
Solano	Kaiser Foundation Hospital – Rehabilitation Center Vallejo	<b>24.8</b> <b>(497)</b>	<b>15.7</b> <b>(270)</b>	<b>18.4</b> <b>(56)</b>	<b>18.9</b> <b>(53)</b>	<b>81.7</b> <b>(116)</b>
	Kaiser Foundation Hospital – Vacaville					<b>85.3</b> <b>(58)</b>
	North Bay Medical Center	<b>27.4</b> <b>(343)</b>	<b>15.9</b> <b>(171)</b>	<b>1.9</b> <b>(4)</b>	<b>1.7</b> <b>(3)</b>	<b>85.4</b> <b>(76)</b>
	North Bay VacaValley Hospital					<b>95.0</b> <b>(57)</b>
	Sutter Solano Medical Center	<b>25.8</b> <b>(183)</b>	<b>15.2</b> <b>(94)</b>	<b>2.0</b> <b>(2)</b>	<b>2.2</b> <b>(2)</b>	<b>88.0</b> <b>(81)</b>
Sonoma	Healdsburg District Hospital					<b>42.9</b> <b>(6)</b>
	Kaiser Foundation Hospital – Santa Rosa	<b>25.4</b> <b>(440)</b>	<b>15.7</b> <b>(233)</b>	<b>15.8</b> <b>(42)</b>	<b>15.9</b> <b>(39)</b>	<b>83.2</b> <b>(134)</b>

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

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



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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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Palm Drive Hospital					<b>92.9</b> <b>(13)</b>
	Petaluma Valley Hospital	<b>25.5</b> <b>(104)</b>	<b>13.4</b> <b>(47)</b>	<b>1.6</b> <b>(1)</b>	<b>1.7</b> <b>(1)</b>	<b>94.3</b> <b>(33)</b>
	Santa Rosa Memorial Hospital – Montgomery	<b>28.9</b> <b>(248)</b>	<b>14.9</b> <b>(99)</b>	<b>20.7</b> <b>(44)</b>	<b>22.4</b> <b>(43)</b>	<b>83.6</b> <b>(102)</b>
	Sonoma Valley Hospital	<b>21.1</b> <b>(38)</b>	<b>8.4</b> <b>(13)</b>			<b>69.2</b> <b>(9)</b>
	Sutter Medical Center of Santa Rosa	<b>20.0</b> <b>(289)</b>	<b>11.4</b> <b>(149)</b>	<b>0.6</b> <b>(1)</b>	<b>0.7</b> <b>(1)</b>	<b>85.4</b> <b>(41)</b>
Stanislaus	Doctors Medical Center	<b>31.6</b> <b>(1,074)</b>	<b>16.5</b> <b>(449)</b>	<b>7.2</b> <b>(54)</b>	<b>7.3</b> <b>(49)</b>	<b>76.2</b> <b>(138)</b>
	Emanuel Medical Center, Inc.	<b>20.7</b> <b>(262)</b>	<b>7.2</b> <b>(78)</b>			<b>90.6</b> <b>(211)</b>
	Memorial Hospital Medical Center – Modesto	<b>35.5</b> <b>(648)</b>	<b>22.6</b> <b>(344)</b>	<b>0.6</b> <b>(2)</b>	<b>0.3</b> <b>(1)</b>	<b>86.5</b> <b>(237)</b>
	Oak Valley District Hospital	<b>33.3</b> <b>(82)</b>	<b>20.1</b> <b>(41)</b>	<b>2.1</b> <b>(1)</b>	<b>2.4</b> <b>(1)</b>	<b>75.0</b> <b>(15)</b>
	Stanislaus Surgical Hospital					<b>100.0</b> <b>(4)</b>

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

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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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
Sutter	Sutter Surgical Hospital – North Valley					<b>89.5</b> <b>(17)</b>
Tehama	Saint Elizabeth Community Hospital	<b>24.0</b> <b>(150)</b>	<b>14.6</b> <b>(81)</b>			<b>77.3</b> <b>(34)</b>
Trinity	Trinity Hospital					<b>30.0</b> <b>(3)</b>
Tulare	Kaweah Delta Medical Center	<b>34.6</b> <b>(1,270)</b>	<b>18.9</b> <b>(556)</b>	<b>2.2</b> <b>(18)</b>	<b>2.2</b> <b>(16)</b>	<b>90.3</b> <b>(261)</b>
	Sierra View District Hospital	<b>31.3</b> <b>(557)</b>	<b>16.2</b> <b>(236)</b>	<b>0.9</b> <b>(3)</b>	<b>0.9</b> <b>(3)</b>	<b>87.9</b> <b>(123)</b>
	Tulare Regional Medical Center	<b>32.2</b> <b>(366)</b>	<b>15.0</b> <b>(135)</b>	<b>1.1</b> <b>(3)</b>	<b>0.9</b> <b>(2)</b>	<b>79.8</b> <b>(103)</b>
Tuolumne	Sonora Regional Medical Center – Greenley	<b>32.6</b> <b>(147)</b>	<b>19.8</b> <b>(75)</b>			<b>81.7</b> <b>(67)</b>
Ventura	Community Memorial Hospital – San Buenaventura	<b>28.9</b> <b>(652)</b>	<b>15.2</b> <b>(287)</b>	<b>1.5</b> <b>(6)</b>	<b>1.1</b> <b>(4)</b>	<b>90.8</b> <b>(256)</b>
	Los Robles Hospital and Medical Center	<b>33.9</b> <b>(527)</b>	<b>20.5</b> <b>(258)</b>	<b>9.0</b> <b>(31)</b>	<b>9.7</b> <b>(29)</b>	<b>91.4</b> <b>(117)</b>

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# Utilization Rates\* for Selected Medical Procedures in California Hospitals, 2011

## 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>29.8</b> <b>(129,364)</b>	<b>17.2</b> <b>(61,746)</b>	<b>8.9</b> <b>(7,460)</b>	<b>8.9</b> <b>(6,646)</b>	<b>88.0</b> <b>(34,801)</b>
	Ojai Valley Community Hospital					<b>75.0</b> <b>(6)</b>
	Saint John's Pleasant Valley Hospital	<b>22.7</b> <b>(49)</b>	<b>13.5</b> <b>(26)</b>	<b>4.0</b> <b>(1)</b>	<b>4.2</b> <b>(1)</b>	<b>92.2</b> <b>(47)</b>
	Saint John's Regional Medical Center	<b>29.6</b> <b>(644)</b>	<b>17.3</b> <b>(319)</b>	<b>0.8</b> <b>(3)</b>	<b>0.3</b> <b>(1)</b>	<b>88.2</b> <b>(142)</b>
	Simi Valley Hospital and Healthcare Services – Sycamore	<b>28.0</b> <b>(172)</b>	<b>16.0</b> <b>(84)</b>	<b>1.0</b> <b>(1)</b>	<b>1.1</b> <b>(1)</b>	<b>92.9</b> <b>(130)</b>
	Thousand Oaks Surgical Hospital**					<b>100.0</b> <b>(4)</b>
	Ventura County Medical Center	<b>26.0</b> <b>(521)</b>	<b>11.7</b> <b>(195)</b>	<b>2.1</b> <b>(8)</b>	<b>2.4</b> <b>(8)</b>	<b>95.9</b> <b>(162)</b>
Yolo	Sutter Davis Hospital	<b>15.6</b> <b>(184)</b>	<b>9.0</b> <b>(98)</b>	<b>2.0</b> <b>(2)</b>	<b>2.3</b> <b>(2)</b>	<b>83.1</b> <b>(59)</b>
	Woodland Memorial Hospital	<b>17.8</b> <b>(114)</b>	<b>7.0</b> <b>(40)</b>			<b>82.4</b> <b>(56)</b>
Yuba	Rideout Memorial Hospital	<b>27.6</b> <b>(538)</b>	<b>12.4</b> <b>(196)</b>	<b>5.8</b> <b>(23)</b>	<b>6.0</b> <b>(22)</b>	<b>84.7</b> <b>(171)</b>

Source: [Agency for Healthcare Research and Quality](http://www.ahrq.gov) (AHRQ) Quality Indicators, SAS Software, Version 4.5 and OSHPD hospital Patient Discharge Data, 2011 .

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

\*\*Hospital consolidated or changed name from 2011 to 2012.

<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 Delivery 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).