

Surgical Site Infection Data Technical Notes and Tables, January 6, 2012

This document provides technical notes for the surgical site infections (SSI) data appearing on the California Department of Public Health (CDPH) Healthcare Associated Infection Program web site and in the tables in this document. The SSI data presented on the CDPH HAI Program website is an interactive presentation of data recorded by NHSN as of October 25, 2011. This risk adjusted data covers four operative procedures for 48 hospitals. Whereas, the data presented in Tables 1 through 3 represents SSI data recorded by NHSN as of October 31, 2011. Consequently there are more reported procedures and infections in the tables compared to the website. The data presented in Tables 1 through 3 and in the interactive web presentation was reported by California hospitals to CDPH through the Centers for Disease Control and Prevention (CDC) National Healthcare Safety Network (NHSN) on SSIs following surgical procedures performed on April 1, 2011, through June 30, 2011. The data reported in these tables was that required by All Facilities Letter Number 23 of 2011 (<http://www.cdph.ca.gov/programs/hai/Documents/AFL-11-23SurgicalSiteInfectionReporting.pdf>). Additional data required by All Facilities Letter Number 32 of 2011 (<http://www.cdph.ca.gov/programs/hai/Documents/LNC-AFL-11-32.pdf>), for surgical procedures performed after May 31, 2011 will be released at a later date.

The following statutes pertain to the reporting of SSIs by general acute care hospitals and the California Department of Public Health.

Health and Safety Code Section 1288.55 (a) (3) states:

Each health facility shall report quarterly to the department all health-care-associated surgical site infections of deep or organ space surgical sites, health-care-associated infections of orthopedic surgical sites, cardiac surgical sites, and gastrointestinal surgical sites designated as clean and clean-contaminated, and the number of surgeries involving deep or organ space, and orthopedic, cardiac, and gastrointestinal surgeries designated clean and clean-contaminated.

Health and Safety Code Section 1288.55 (b) (2) states:

Commencing January 1, 2012, post on the department's Web site information regarding the incidence rate of deep or organ space surgical site infections, orthopedic, cardiac, and gastrointestinal surgical procedures designated as clean and clean-contaminated,

acquired at each health facility in California, including information on the number of inpatient days.

Health and Safety Code Section 1288.55 states:

(c) Any information reported publicly as required under this section shall meet all of the following requirements:

(1) The department shall follow a risk adjustment process that is consistent with the federal Centers for Disease Control and Prevention's National Healthcare Safety Network (NHSN), or its successor, risk adjustment, and use its definitions, unless the department adopts, by regulation, a fair and equitable risk adjustment process that is consistent with the recommendations of the Healthcare Associated Infection Advisory Committee (HAI-AC), established pursuant to Section 1288.5, or its successor.

Rates of SSI vary depending on modifiable risk factors, such as surgical technique and infection prevention measures, and non-modifiable risk factors, such as underlying patient illnesses, whether the surgery was an emergency, and whether the wound was contaminated prior to surgery. The distribution of non-modifiable risk factors among patients, referred to as patient case mix, can vary widely among different hospitals. In order to report SSI rates that allow for meaningful comparisons between hospitals, it is critical to adjust for the differences in patient case mix. Current NHSN risk adjustment methodology for SSIs, instituted in October 2010, applies a mathematical model to adjust for patient case mix, using different factors for different surgical procedures, based on data collected through NHSN [1]. This mathematical model is then used to generate a Standardized Infection Ratio (SIR) for each procedure. In compliance with Health and Safety Code Section 1288.55 (c) (1), we used the SIR generated by NHSN for each procedure in these tables.

The SIR generated has two restrictions [2]. First, NHSN only computes SIRs when the predicted number of infections is at least one; otherwise the SIR is too imprecise and unstable. For most types of surgery, between 50 and 200 procedures are required to generate an SIR, although certain high risk procedures may need fewer. Second, NHSN generates SIRs for fixed time periods, e.g. monthly, calendar quarters and half-years. It will also not generate an SIR for a current time period. Since NHSN SSI reporting was initiated on April 1, SIRs were only available for the second quarter, April through June, 2011.

As specified in All Facilities Letter Number 23 OF 2011, hospitals reported on two NHSN-defined surgical procedures. If hip replacement surgery or coronary artery bypass graft surgery (CABG) were performed, these were reported. If one or both were not performed, hospitals chose from a list of other operative procedures to report. Table 6 lists the NHSN operative procedures specified in All Facilities Letter Number 23 OF 2011[3].

Tables 1 through 3 include all SSI data reported to NHSN for “Complex A/R” infections resulting from procedures done during April, May and June, 2011. Complex refers to deep and organ space infections, consistent with Health and Safety Code Section 1288.55 (b) (2). A/R refers to infections identified upon the initial admission to the hospital or readmission to the same hospital where the surgery was performed. Most complex infections are detected on admission or readmission [1]. These tables use all information recorded by NHSN on October 31, 2011. As the interactive SSI map on the HAI Program webpage was created from information recorded by NHSN on October 25, 2011, there are more procedures and infections reported in the tables.

The HAI Program selected four operative procedures to display on the web-based interactive map. The four procedures were selected as there were a sufficient number of hospitals with a risk-adjusted SIR. Those procedures are CABG, hip replacement, knee replacement and colon surgery. The four procedures represent 57 calculated SIRs for 48 hospitals. In some cases a hospital will have more than one calculated SIR. Because of one week of additional data included in the tables, but not in the data for the interactive map, there are 63 total SIRs in tables 1 and 2 for the four operative procedures.

SSI data was reported by individually licensed general acute care hospitals, some of which have multiple campuses, or by individual campuses of a licensed general acute care hospital. For Second Quarter 2011, data was reported by 322 of these 388 entities, hereafter referred to as hospitals. An additional 40 hospitals reported that no surgeries are performed at the facility and 26 hospitals hadn’t reported SSI data for this time period by October 31, 2011.

Table contents for Tables 1 and 2

For each hospital and procedure type, the tables include the actual number of infections reported, the number of procedures reported and, if computed, the SIR, the number of infections that a risk-adjusting algorithm predicts based on the procedures reported and the 95 percent confidence interval of the SIR.

NHSN computes the predicted number of infections using algorithms for each procedure type that were developed by logistic regression on required information that hospitals submit for each procedure. An algorithm is applied to each reported procedure to find the probability of an infection. Then all of the probabilities for every procedure within each procedure type are summed to create the predicted number of infections for each procedure type.

The SIR is the ratio of the actual number of infections to the predicted number. NHSN only computes SIRs when the predicted number of infections is at least one. Otherwise the SIR is too imprecise and unstable. For the entries with too few procedures to calculate an SIR, the number of infections and procedures are

published if the number of procedures is at least 20. An SIR of 1 indicates that the number of infections for a surgery type at a hospital was the same as the national average, after adjusting for specifics of the patients' health and surgery.

Since any statistic such as an SIR is an estimate of an underlying state, the confidence interval indicates a range of values for the actual SIR that could result in this SIR statistic, given random variation and the number of procedures performed. This means that an SIR 95 percent confidence interval that includes one indicates an observed number of infections for that hospital that is not truly different from the predicted number of infections based on the national rate for that surgical procedure. None of the SIRs in these tables are significantly different from predicted. This is the same as a risk adjusted rate of infections not different than the national rate of infections for that procedure.

Inclusion criteria for tables 1 and 2

Hospitals were requested to notify the program if they were reporting operative procedures other than hip replacement and CABG. Twenty-one hospitals replied with specified procedures, e.g. laminectomy. For these hospitals, the specified operative procedures are reported in Table 2 if they include at least 20 reported procedures. For those hospitals that did not respond, procedure entries are included in the tables if an SIR is present for one or more of the four selected procedures for web presentation (hip replacement, CABG, colon surgery or knee replacement) up to 2 procedures. If the hospital has less than two SIRs in these categories, the next entry is chosen from operative procedures (with at least 20 procedures reported) in this order: hip replacement, CABG, colon surgery and knee replacement.

The tables

Table 1

Hip replacement and CABG data for hospitals with at least 20 procedures are reported in Table 1. For CABG, there are two surgery categories: coronary artery bypass graft with both a chest and donor incision (CBGB) or with only a chest incision (CBGC). For those hospitals that reported either CBGB or CBGC or both, the one with more procedures is published. In almost all cases where hospitals reported both they reported more CBGB than CBGC.

Table 2

For those hospitals with SIRs for colon surgery or knee replacement and those that did not report both hip replacement and CABG surgeries, Table 2 includes up to 2 procedures where at least 20 procedures were reported. If the hospital specified the procedure categories, those are the ones reported. Some hospitals reported on many more procedures than the required two. A maximum of 2 operative procedures, if available, are reported for any hospital.

Table 3

The 154 hospitals that reported less than 20 procedures for the four operative procedures and didn't specify an operative procedure that would be reported beyond those are listed in Table 3.

Table 4

Some hospitals are not included in Tables 1, 2 and 3, nor the interactive map, because there are no surgeries performed there. The 40 hospitals listed on this table have been reported as having no inpatient surgeries of the procedural types specified in All Facilities Letter Number 23 of 2011 performed on their premises.

Table 5

Table 5 lists 26 hospitals that neither reported that no surgeries are performed nor reported SSI data as specified in All Facilities Letter Number 23 of 2011 by the October 31, 2011 close of data collection for this data release. These hospitals may have reported data on these procedures later or reported on procedures that are not required by All Facilities Letter Number 23 of 2011.

Table 6

Table 6 is extracted from the NHSN guide describing the procedure codes that are used in Table 2 [4].

REFERENCES

1. Mu Y, Edwards JR, Horan TC, Berrios-Torres SI, Fridkin SK., Improving risk-adjusted measures of surgical site infection for the national healthcare safety network. *Infect Control Hosp Epidemiol.* 2011 Oct; 32(10):970-86.
2. Centers for Disease Control and Prevention National Healthcare Safety Network (NHSN). NHSN e-News: SIRs Special Edition, Updated December 10, 2010. http://www.cdc.gov/nhsn/PDFs/Newsletters/NHSN_NL_OCT_2010SE_final.pdf accessed 30 Nov 2011.
3. Centers for Disease Control and Prevention National Healthcare Safety Network (NHSN). ICD9-CM Procedure Code Mapping to NHSN Operative Procedure Categories, June 2011. <http://www.cdc.gov/nhsn/XLS/ICD-9-cmCODEScurrent.xlsx> accessed 30 Nov 2011.

Table 1. Surgical site infections (excluding superficial) of hip replacement and coronary artery bypass graft (CABG) procedures done from April 1, 2011 through June 30, 2011 with NHSN Standardized Infection Ratios (SIRs) if available.

Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
† ADVENTIST MED CTR HANFORD COMMUNITY MED CTR SELMA COMMUNITY HOSP	1	28								
AHMC ANAHEIM RGNL MED CTR	1	38				0	41			
ALTA BATES SUMMIT MED CTR-SUMMIT CAMPUS,OAKLAND	0	50				0	45			
ALTA BATES SUMMIT MED CTR-ALTA BATES CAMPUS, BERKELEY	0	27								
ANTELOPE VALLEY HOSP-LANCASTER	0	51								
ARROYO GRANDE COMMUNITY HOSP	0	26								
BAKERSFIELD HEART HOSP						0	33			
BAKERSFIELD MEMORIAL HOSP	1	34				1	40			
† CALIFORNIA PACIFIC MED CTR-SAN FRANCISCO CALIFORNIA EAST HOSP CALIFORNIA WEST HOSP DAVIES HOSP PACIFIC HOSP	1	122								
CEDARS-SINAI MED CTR-LOS ANGELES	2	224	2.2	0.9	(0.1, 3.2)					
† CITRUS VALLEY MED CTR IC CAMPUS-COVINA QV CAMPUS-WEST COVINA	2	48								
COMMUNITY HOSP OF THE MONTEREY PENINSULA-MONTEREY	0	48								
COMMUNITY MEM HOSP - SAN BUENAVENTURA VENTURA	0	52				0	30			
COMMUNITY RGNL MED CTR-FRESNO	1	58				0	60			
DAMERON HOSP-STOCKTON	0	33								
* DESERT RGNL MED CTR-PALM SPRINGS	0	69				0	29			
DOCTORS MED CTR-MODESTO	1	25				1	80			
DOMINICAN HOSP-SANTA CRUZ	0	20								

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
† EDEN MED CTR EDEN MED CTR-CASTRO VALLEY SAN LEANDRO HOSP	2	28								
EISENHOWER MED CTR-RANCHO MIRAGE	0	95								
EL CAMINO HOSP-MOUNTAIN VIEW	1	68								
† ENLOE MED CTR-CHICO ENLOE MED CTR-COHASSET ENLOE MED CTR-ESPLANADE ENLOE REHABILITATION CTR	0	33				0	35			
FEATHER RIVER HOSP-PARADISE	0	44								
FOUNTAIN VALLEY RGNL HOSP & MED CENTER	1	31				0	34			
FRANK R. HOWARD MEM HOSP-WILLITS	0	25								
FRENCH HOSP MED CTR-SAN LUIS OBISPO	0	35				0	32			
FRESNO HEART AND SURGICAL HOSP						0	35			
FRESNO SURGICAL HOSP	0	72								
GARFIELD MED CTR-MONTEREY PARK						0	27			
GLENDALE ADVENTIST MED CTR	0	50				0	26			
GLENDALE MEM HOSP AND HEALTH CTR						0	27			
GOLETA VALLEY COTTAGE HOSP-SANTA BARBARA	0	57								
GOOD SAMARITAN HOSP-LOS ANGELES	1	127	1.5	0.7	(0, 3.7)	0	20			
† GOOD SAMARITAN HOSP-SAN JOSE GOOD SAMARITAN-SAN JOSE MISSION OAKS HOSP-LOS GATOS	0	58								
GROSSMONT HOSP-LA MESA	0	73								
HEMET VALLEY MED CTR-HEMET	0	31								
† HOAG MEMORIAL HOSP-NEWPORT BEACH HOAG MEM PRESBYTERIAN-NEWPORT BEACH HOAG HOSP IRVINE	0	31								
HOAG ORTHOPEDIC INSTITUTE-IRVINE	0	268	1.2	0	(0, 3.2)					
HUNTINGTON MEMORIAL HOSP-PASADENA	1	91	1	1	(0, 5.5)					

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
JOHN MUIR MED CTR-WALNUT CREEK	2	87								
JOHN MUIR MED CTR-CONCORD	0	67								
KAISER FOUNDATION HOSP-ANTIOCH	0	71								
KAISER FOUNDATION HOSP-BALDWIN PARK	0	52								
KAISER FOUNDATION HOSP-DOWNEY	1	37								
KAISER FOUNDATION HOSP-FRESNO	0	47								
KAISER FOUNDATION HOSP-FONTANA	0	76								
† KAISER FOUNDATION HOSP HAYWARD FREMONT	0	70								
KAISER FOUNDATION HOSP-IRVINE	0	95								
† KAISER FOUNDATION HOSP MODESTO MANTECA	0	44								
† KAISER FOUNDATION HOSP OAKLAND RICHMOND	0	129	1.3	0	(0, 2.9)					
KAISER FOUNDATION HOSP-PANORAMA CITY	0	61								
KAISER FOUNDATION HOSP-REDWOOD CITY	0	28								
KAISER FOUNDATION HOSP-RIVERSIDE	3	56								
KAISER FOUNDATION HOSP-ROSEVILLE	0	147	1.3	0	(0, 2.9)					
KAISER FOUNDATION HOSP-SACRAMENTO	0	52								
KAISER FOUNDATION HOSP-SAN DIEGO	1	62								
KAISER FOUNDATION HOSP-SAN FRANCISCO	0	40				0	116	1.6	0	(0, 2.3)
KAISER FOUNDATION HOSP-SAN RAFAEL	0	79								
KAISER FOUNDATION HOSP-SANTA CLARA	0	100				0	91	1.1	0	(0, 3.2)
KAISER FOUNDATION HOSP-SANTA ROSA	0	103								
KAISER FOUNDATION HOSP-SOUTH BAY HARBOR CITY	0	52								
KAISER FOUNDATION HOSP-SOUTH SACRAMENTO	1	49								
KAISER FOUNDATION HOSP-SOUTH SAN FRANCISCO	0	37								

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
KAISER FOUNDATION HOSP SUNSET-LA						0	189	1.9	0	(0, 2)
KAISER FOUND. HOSP & REHAB-VALLEJO	0	66								
KAISER FOUNDATION HOSP-WALNUT CREEK	1	62								
KAISER FOUNDATION HOSP-WEST LA	1	50								
KAISER FOUNDATION HOSP-WOODLAND HILLS	0	71								
KAWEAH DELTA MED CTR-VISALIA	2	34				2	67	1.2	1.7	(0.2, 6.2)
LAC/HARBOR-UCLA MED CTR-TORRANCE						0	22			
LAC+USC MED CTR-LOS ANGELES						0	34			
LAKESWOOD RGNL MED CTR-LAKESWOOD	0	27				0	33			
† LODI MEMORIAL HOSP	1	23								
LODI MEM HOSP-WEST										
LODI MEM HOSP (1RH)										
† LOMA LINDA UNIVERSITY MED CTR	0	44								
LLU MED CTR										
LOLLU MC EAST CAMPUS HOSP										
LLU HEART AND SURGICAL HOSP										
LONG BEACH MEMORIAL MED CTR	0	102	1.2	0	(0, 3.2)	0	43			
LOS ALAMITOS MED CTR	3	41								
† LOS ROBLES HOSP & MED CTR-THOUSAND OAKS	0	68								
LR HOSP & MED CTR										
LR HOSP & MC-EAST CAMPUS										
MARIN GENERAL HOSP-GREENBRAE	0	30								
MARSHALL MED CTR (1-RH)-PLACERVILLE	0	20								
MEMORIAL MED CTR-MODESTO	0	65								
MERCY GENERAL HOSP-SACRAMENTO	0	57				0	187	3	0	(0, 1.3)
† MERCY HOSP-BAKERSFIELD	0	21								
MERCY HOSP										
MERCY SOUTHWEST HOSP										
MERCY HOSP OF FOLSOM	0	21								

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
† MERCY MED CTR MERCED COMMUNITY CAMPUS DOMINICAN CAMPUS	0	29								
MERCY MED CTR REDDING	0	70				0	24			
MERCY SAN JUAN MED CTR-CARMICHAEL	1	68				0	48			
METHODIST HOSP OF SACRAMENTO	0	28								
METHODIST HOSP OF SOUTHERN CAL-ARCADIA	0	48								
MISSION HOSP REGIONAL MED CTR-MISSION VIEJO	4	45				0	28			
NORTHRIDGE HOSP MED CTR	1	38				1	24			
O'CONNOR HOSP-SAN JOSE	0	41								
ORANGE COAST MEMORIAL MED CTR-FNTN VALLEY	0	46								
PALOMAR MED CTR-ESCONDIDO	0	54								
PARKVIEW COMMUNITY HOSP MED CTR-RIVERSIDE	0	47								
† PENINSULA MED CTR PMC-BURLINGAME MILLS HEALTH CTR-SAN MATEO	0	55								
PLACENTIA LINDA HOSP-PLACENTIA	0	24								
POMERADO HOSP-POWAY	0	35								
POMONA VALLEY HOSP MED CTR-POMONA	0	33				2	23			
PRESBYTERIAN INTERCOMMUNITY HOSP-WHITTIER	0	58								
PROVIDENCE HOLY CROSS MED CTR-MISSION HILLS	1	30								
PROVIDENCE LITTLE COMPANY OF MARY MED CTR TORRANCE	0	32								
PROVIDENCE SAINT JOSEPH MED CTR-BURBANK	0	49								
QUEEN OF THE VALLEY MED CTR-NAPA	0	35								
REDLANDS COMMUNITY HOSP-REDLANDS	1	58								
* RGNL MED CTR OF SAN JOSE-SAN JOSE						0	21			
† RIDEOUT/FREMONT HOSP-MARYSVILLE RIDEOUT MEM HOSP-MARYSVILLE FREMONT MED CTR-YUBA CITY						0	29			
RIVERSIDE COMMUNITY HOSP-RIVERSIDE	0	47				0	30			

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
RIVERSIDE CO. REGNL MED CTR-MORENO VALLEY	1	24								
RONALD REAGAN UCLA MED CTR-LOS ANGELES						0	44			
† SADDLEBACK MEMORIAL MED CTR LAGUNA HILLS SAN CLEMENTE	1	83				0	28			
SAINT AGNES MED CTR-FRESNO	0	88				0	79			
SAINT FRANCIS MED CTR-LYNWOOD						0	20			
SAINT FRANCIS MEMORIAL HOSP-SN FRANCISCO	1	24								
SAINT JOHN'S HEALTH CENTER-SANTA MONICA	0	266	1.8	0	(0, 2.1)					
SAINT VINCENT MED CTR-LOS ANGELES	0	29								
SALINAS VALLEY MEMORIAL HOSP-SALINAS	0	33				0	20			
SAN ANTONIO COMMUNITY HOSP-UPLAND	0	33				0	29			
SAN JOAQUIN COMMUNITY HOSP-BAKERSFIELD	0	43								
SANTA BARBARA COTTAGE HOSP	0	69								
SANTA MONICA - UCLA MED CTR AND ORTHOPAEDIC HOSP	0	69	1.2	0	(0, 3.0)					
† SANTA ROSA MEMORIAL HOSP 1165 MONTGOMERY DRIVE 151 SOTOYOME ST, SANTA ROSA 1287 FULTON ROAD, SANTA ROSA	0	71				0	22			
SCRIPPS GREEN HOSP-LA JOLLA	2	106								
SCRIPPS MEMORIAL HOSP - ENCINITAS	0	62								
SCRIPPS MEMORIAL HOSP - LA JOLLA	0	70				0	79			
† SCRIPPS MERCY HOSP SAN DIEGO CHULA VISTA	1	59				0	30			
SEQUOIA HOSP-REDWOOD CITY	0	38								
SHARP CHULA VISTA MED CTR	0	35								
SHARP CORONADO HOSP AND HEALTHCARE CTR	2	169	1	2	(0.2, 7.1)					
SHARP MEMORIAL HOSP-SAN DIEGO	0	100	1.3	0	(0, 2.9)					
SHASTA RGNL MED CTR-REDDING						1	20			

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
SIERRA NEVADA MEM HOSP-GRASS VALLEY	0	25								
SIERRA VISTA RGNL MED CTR-SAN LUIS OBISPO	0	27								
SONORA RGNL MED CTR-SONORA	0	21								
† SOUTHWEST HEALTHCARE SYSTEM WILDOMAR MURRIETA	0	31								
ST BERNARDINE MED CTR-SAN BERNADINO	0	43								
ST. HELENA HOSP	0	45								
ST. JOSEPH HOSP-ORANGE	2	93				0	33			
ST. JOSEPH'S MED CTR OF STOCKTON						1	74			
ST. JUDE MED CTR-FULLERTON	0	55								
ST. MARY MED CTR-APPLE VALLEY						0	25			
ST. MARY'S MED CTR-SAN FRANCISCO	0	20								
STANFORD HOSP	1	199	2.6	0.4	(0, 2.1)					
STANISLAUS SURGICAL HOSP-MODESTO	0	20								
SUTTER AUBURN FAITH HOSP-AUBURN	0	30								
† SUTTER HOSP-SACRAMENTO SUTTER GENERAL HOSP SUTTER MEMORIAL HOSP	0	111	1	0	(0, 3.6)					
SUTTER MED CTR OF SANTA ROSA	0	20				0	25			
SUTTER ROSEVILLE MED CTR	0	55								
TAHOE FOREST HOSP-TRUCKEE	0	21								
THOUSAND OAKS SURGICAL HOSP	0	25								
* TORRANCE MEMORIAL MED CTR	0	111				0	31			
TRI-CITY MED CTR-OCEANSIDE	0	64				1	20			
TWIN CITIES COMMUNITY HOSP-TEMPLETON	0	25								
UC DAVIS MED CTR-SACRAMENTO	0	58				0	32			
† UC SAN DIEGO MED CTR SAN DIEGO J. M. & S. B. THORNTON HOSP-LA JOLLA	0	85	1.1	0	(0, 3.5)	0	25			

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Hospital Name	Hip Replacement Surgery					Coronary Artery Bypass Graft Surgery				
	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
† UC SAN FRANCISCO MED CTR UCSF MED CTR UCSF MC AT MOUNT ZION	1	144	1.3	0.8	(0, 4.4)	0	21			
USC UNIVERSITY HOSP-LOS ANGELES	0	55								
† VALLEYCARE MED CTR-PLEASANTON VALLEYCARE MED CTR VALLEY MEM HOSP-LIVERMORE	0	20								
VALLEY PRESBYTERIAN HOSP-VAN NUYS	0	77								
WASHINGTON HOSP-FREMONT	0	112				0	26			
WEST HILLS HOSP & MED CTR-WEST HILLS	2	29				0	20			

* CABG procedures did not include a donor site incision, only a chest incision.

† Infection data reported aggregated by hospital license for multiple hospital campuses.

Notes: Predicted cases are based on the NHSN procedure-specific algorithms using national averages adjusted for the patient health and surgery. The Standardized Infection Ratio (SIR) is the ratio of the reported cases to the predicted cases based on the hospital's reported procedures. If the 95% Confidence Interval for the SIR includes 1, the number of reported cases is not statistically significantly different from that predicted.

Source: Healthcare-Associated Surgical Site Infections in California General Acute Care Hospitals, April 1, 2011 through June 30, 2011: Technical Notes and Tables

Table 2. Surgical site infections (excluding superficial) of up to two surgical procedures done from April 1, 2011 through June 30, 2011 with NHSN Standardized Infection Ratios (SIRs) if available. The NHSN procedure codes are defined in Table 6.

Hospital Name	Surgical Procedure 1						Surgical Procedure 2					
	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
† ADVENTIST MED CTR	KPRO	0	81									
HANFORD COMMUNITY MED CTR												
SELMA COMMUNITY HOSP												
ALTA BATES SUMMIT MED CTR-ALTA BATES, BERKELEY	KPRO	43	1									
ARROWHEAD REGIONAL MED CTR-COLTON	COLO	2	29									
ARROYO GRANDE COMMUNITY HOSP	KPRO	0	54									
BARTON MEMORIAL HOSP-SO. LAKE TAHOE	KPRO	0	27									
CEDARS-SINAI MED CTR-LOS ANGELES	COLO	2	48	1.3	1.5	(0.2, 5.4)						
CHILDRENS HOSP OF LOS ANGELES	CARD	0	101									
† CITRUS VALLEY MED CTR	COLO	1	43	1.1	0.9	(0, 5.1)						
IC CAMPUS-COVINA												
QV CAMPUS-WEST COVINA												
CITY OF HOPE HELFORD	COLO	4	35	1.6	2.5	(0.7, 6.3)						
CLINICAL RESEARCH HOSP-DUARTE												
COMMUNITY HOSP OF THE MONTEREY PENINSULA-MONTEREY	COLO	0	45	1.3	0	(0, 2.9)						
CONTRA COSTA REGIONAL MED CTR-MARTINEZ	COLO	0	20									
DAMERON HOSP-STOCKTON	KPRO	0	93									
EARL & LORAIN MILLER CHILDREN'S HOSP-LONG BEACH	APPY	1	98									
† EDEN MED CTR	KPRO	0	41									
EDEN MED CTR-CASTRO VALLEY												
SAN LEANDRO HOSP												
EISENHOWER MED CTR-RANCHO MIRAGE	COLO	0	97	2.6	0	(0, 1.4)						
EL CAMINO HOSP-MTN VIEW	COLO	0	48	1.6	0	(0, 2.3)						
EL CAMINO HOSP LOS GATOS	KPRO	0	39									
EL CENTRO REGIONAL MED CTR-EL CENTRO	KPRO	1	34									
EMANUEL MED CTR INC.-TURLOCK	COLO	0	24									
FOOTHILL PRESBYTERIAN HOSP-JOHNSTON MEM, GLENDORA	COLO	1	21									

Table 2. Surgical site infections (excluding superficial) of up to two surgical procedures done from April 1, 2011 through June 30, 2011 with NHSN Standardized Infection Ratios (SIRs) if available. The NHSN procedure codes are defined in Table 6.

Hospital Name	Surgical Procedure 1						Surgical Procedure 2					
	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
FRESNO SURGICAL HOSP	KPRO	0	257	1.2	0	(0, 3)						
GOLETA VALLEY COTTAGE HOSP-SANTA BARBARA	KPRO	0	60									
GROSSMONT HOSP-LA MESA	COLO	0	47	1.4	0	(0, 2.7)						
† HOAG MEMORIAL HOSP	COLO	0	28	1.1	0	(0, 3.3)						
HOAG MEM PRESBYTERIAN-NEWPORT BEACH												
HOAG HOSP IRVINE												
HOAG ORTHOPEDIC INSTITUTE-IRVINE	KPRO	2	352	1.6	1.3	(0.2, 4.5)						
JOHN MUIR MED CTR-WALNUT CREEK	COLO	4	50	2	2	(0.5, 5.1)						
JOHN MUIR MED CTR-CONCORD	COLO	0	39	1.4	0	(0, 2.6)						
KAISER FOUNDATION HOSP-ANTIOCH	COLO	0	29									
KAISER FOUNDATION HOSP-BALDWIN PARK	KPRO	0	104									
KAISER FOUNDATION HOSP-DOWNEY	COLO	0	21									
KAISER FOUNDATION HOSP-FONTANA	KPRO	0	88									
KAISER FOUNDATION HOSP-FRESNO	KPRO	0	47									
† KAISER FOUNDATION HOSP	COLO	0	36	1.4	0	(0, 2.7)						
HAYWARD												
FREMONT												
KAISER FOUNDATION HOSP-IRVINE	KPRO	2	144									
† KAISER FOUNDATION HOSP	KPRO	0	80									
MODESTO												
MANTECA												
† KAISER FOUNDATION HOSP	COLO	1	60	1.8	0.6	(0, 3.1)						
OAKLAND												
RICHMOND												
KAISER FOUNDATION HOSP-PANORAMA CITY	CHOL	0	49									
KAISER FOUNDATION HOSP-REDWOOD CITY	KPRO	0	36									
KAISER FOUNDATION HOSP-RIVERSIDE	KPRO	1	61									
KAISER FOUNDATION HOSP-ROSEVILLE	KPRO	0	196	1.2	0	(0, 3.1)						
KAISER FOUNDATION HOSP-SAN DIEGO	COLO	0	29									
KAISER FOUNDATION HOSP-SAN JOSE	FUSN	0	129				LAM	1	176			

Table 2. Surgical site infections (excluding superficial) of up to two surgical procedures done from April 1, 2011 through June 30, 2011 with NHSN Standardized Infection Ratios (SIRs) if available. The NHSN procedure codes are defined in Table 6.

Hospital Name	Surgical Procedure 1						Surgical Procedure 2					
	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
KAISER FOUNDATION HOSP-SAN RAFAEL	KPRO	0	39									
KAISER FOUNDATION HOSP-SANTA ROSA	COLO	0	20									
KAISER FOUNDATION HOSP-SOUTH BAY-HARBOR CITY	KPRO	0	82									
KAISER FOUNDATION HOSP-SOUTH SACRAMENTO	KPRO	2	66									
KAISER FOUNDATION HOSP-SOUTH SAN FRANCISCO	KPRO	0	54									
KAISER FOUNDATION HOSP SUNSET-LA	COLO	0	72	3	0	(0, 1.2)						
KAISER FOUND. HOSP & REHAB-VALLEJO	KPRO	0	146	1	0	(0, 3.6)						
KAISER FOUNDATION HOSP- WALNUT CREEK	COLO	1	43	1.4	0.7	(0, 4)						
KAISER FOUNDATION HOSP-WEST LA	KPRO	1	47									
KAISER FOUNDATION HOSP- WOODLAND HILLS	KPRO	0	78									
LAC/RANCHO LOS AMIGOS NATIONAL REHAB CTR-DOWNEY	KPRO	0	28									
LAC+USC MED CTR-LOS ANGELES	CARD	0	31									
† LOMA LINDA UNIVERSITY MED CTR LLU MED CTR LOLLU MC EAST CAMPUS HOSP LLU HEART AND SURGICAL HOSP	COLO	1	51	1.9	0.5	(0, 2.9)						
LOS ALAMITOS MED CTR	KPRO	0	61									
LOS ANGELES CO. OLIVE VIEW-UCLA MED CTR SYLMAR	COLO	1	32	1.1	0.9	(0, 4.9)						
† LOS ROBLES HOSP & MED CTR-THOUSAND OAKS LR HOSP & MED CTR LR HOSP & MC-EAST CAMPUS	COLO	0	23									
MADERA COMMUNITY HOSP	CHOL	0	44									
MEMORIAL MED CTR-MODESTO	COLO	4	63	2.2	1.8	(0.5, 4.6)						
† MERCY HOSP-BAKERSFIELD BAKERSFIELD SOUTHWEST HOSP	KPRO	0	42									
† MERCY MED CTR-MERCED COMMUNITY CAMPUS	COLO	0	20									

Table 2. Surgical site infections (excluding superficial) of up to two surgical procedures done from April 1, 2011 through June 30, 2011 with NHSN Standardized Infection Ratios (SIRs) if available. The NHSN procedure codes are defined in Table 6.

Hospital Name	Surgical Procedure 1						Surgical Procedure 2					
	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
DOMINICAN CAMPUS												
METHODIST HOSP OF SACRAMENTO	KPRO	0	135									
O'CONNOR HOSP-SAN JOSE	COLO	0	27									
ORANGE COAST MEMORIAL MED CTR- FOUNTAIN VALLEY	COLO	0	33									
PARKVIEW COMMUNITY HOSP MED CTR- RIVERSIDE	KPRO	0	87									
PLACENTIA LINDA HOSP-PLACENTIA	KPRO	0	35									
POMERADO HOSP-POWAY	KPRO	0	53									
QUEEN OF THE VALLEY MED CTR-NAPA	KPRO	0	38									
RIVERSIDE CO. REGNL MED CTR-MORENO VALLEY	COLO	4	26	1.3	3.2	(0.9, 8.1)						
RONALD REAGAN UCLA MED CTR-LOS ANGELES	COLO	1	66	2.4	0.4	(0, 2.3)						
SAINT JOHN'S HEALTH CENTER-SANTA MONICA	COLO	0	70	2.1	0	(0, 1.8)						
SAN DIMAS COMMUNITY HOSP	KPRO	0	28									
SANTA BARBARA COTTAGE HOSP	COLO	0	35									
SCRIPPS MEMORIAL HOSP - ENCINITAS	COLO	0	24									
SEQUOIA HOSP-REDWOOD CITY	KPRO	1	30									
SHARP CHULA VISTA MED CTR	COLO	1	31	1.1	0.9	(0, 5.2)						
SHARP CORONADO HOSP AND HEALTHCARE CTR	KPRO	1	225	1.2	0.9	(0, 4.8)						
SHARP MEMORIAL HOSP-SAN DIEGO	COLO	1	83	2.8	0.4	(0, 2)						
SHASTA REGIONAL MED CTR-REDDING	KPRO	0	42									
SHRINERS HOSPS FOR CHILDREN	FUSN	0	20									
NORTHERN CALIFORNIA- SACRAMENTO												
SIERRA VIEW DISTRICT HOSP-PORTERVILLE	KPRO	0	23									
ST BERNARDINE MED CTR-SAN BERNADINO	KPRO	1	121	1	1	(0, 5.4)						
ST ELIZABETH COMMUNITY HOSP-RED BLUFF	KPRO	0	26									
ST JOHN'S PLEASANT VALLEY HOSP-CAMARILLO	KPRO	0	20									
ST. HELENA HOSP	KPRO	1	107									
ST. JOSEPH'S MED CTR OF STOCKTON	COLO	1	26									
ST. JUDE MED CTR-FULLERTON	COLO	1	61	1.6	0.6	(0, 3.4)						
STANFORD HOSP	COLO	1	37	1.1	0.9	(0, 4.9)						

Table 2. Surgical site infections (excluding superficial) of up to two surgical procedures done from April 1, 2011 through June 30, 2011 with NHSN Standardized Infection Ratios (SIRs) if available. The NHSN procedure codes are defined in Table 6.

Hospital Name	Surgical Procedure 1						Surgical Procedure 2					
	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval	Procedure Code*	Cases	No. of Procedures	Predicted Cases	SIR	95% Conf Interval
STANISLAUS SURGICAL HOSP-MODESTO	KPRO	0	68									
SUTTER AUBURN FAITH HOSP-AUBURN	KPRO	0	58									
† SUTTER HOSP-SACRAMENTO	KPRO	0	150	1.1	0	(0, 3.3)						
SUTTER GENERAL HOSP												
SUTTER MEMORIAL HOSP												
SUTTER ROSEVILLE MED CTR	KPRO	0	55									
SUTTER SURGICAL HOSP-NORTH VALLEY, YUBA CITY	KPRO	0	44									
THOUSAND OAKS SURGICAL HOSP	KPRO	0	41									
TWIN CITIES COMMUNITY HOSP-TEMPLETON	KPRO	0	60									
USC UNIVERSITY HOSP-LOS ANGELES	COLO	0	34	1.3	0	(0, 2.8)						

† Infection data reported aggregated by hospital license for multiple hospital campuses.

Notes: Predicted cases are based on the NHSN procedure-specific algorithms using national averages adjusted for the patient health and surgery. The Standardized Infection Ratio (SIR) is the ratio of the reported cases to the predicted cases based on the hospital's reported procedures. If the 95% Confidence Interval for the SIR includes 1, the number of reported cases is not statistically significantly different from that predicted.

Source: Healthcare-Associated Surgical Site Infections in California General Acute Care Hospitals, April 1, 2011 through June 30, 2011: Technical Notes and Tables

Table 3. Hospitals that reported fewer than 20 procedures in every type of surgical site infection data for procedures done from April 1, 2011 through June 30, 2011. No numerical data is reported for these hospitals.

Hospital Name
† ALAMEDA COUNTY MED CTR ALAMEDA CO. MED CTR-OAKLAND FAIRMONT CAMPUS-SAN LEANDRO
ALAMEDA HOSP
ALHAMBRA HOSP MED CTR
ALVARADO HOSP-SAN DIEGO
ANTELOPE VALLEY HOSP-LANCASTER
BANNER LASSEN MED CTR-SUSANVILLE
BARSTOW COMMUNITY HOSP
BELLFLOWER MED CTR
BEVERLY HOSP-MONTEBELLO
BIGGS GRIDLEY MEMORIAL HOSP-GRIDLEY
BROTMAN MED CTR-CULVER CITY
CALIFORNIA HOSP MED CTR - LOS ANGELES
CALIFORNIA MENS COLONY-SAN LUIS OBISPO
CALIFORNIA PACIFIC MED CTR - ST. LUKE'S HOSP-SAN FRANCISCO
CENTINELA HOSP MED CTR-INGLEWOOD
CHAPMAN MED CTR-ORANGE
CHILDRENS HOSP AND RESEARCH CENTER AT OAKLAND
CHILDREN'S HOSP AT MISSION VIEJO
CHILDREN'S HOSP CENTRAL CALIF-MADERA
CHILDREN'S HOSP OF ORANGE COUNTY-ORANGE
CHINESE HOSP-SAN FRANCISCO
CHINO VALLEY MED CTR-CHINO
CLOVIS COMMUNITY MED CTR
COAST PLAZA HOSP-NORWALK
COASTAL COMMUNITIES HOSP-SANTA ANA
COLUSA REGIONAL MED CTR-COLUSA
COMMUNITY HOSP OF LONG BEACH
COMMUNITY HOSP OF SAN BERNARDINO
CORCORAN DISTRICT HOSP-CORCORAN
DESERT VALLEY HOSP-VICTORVILLE
DOCTORS HOSP OF MANTECA
DOCTORS HOSP OF WEST COVINA, INC.
DOCTORS MED CTR-SAN PABLO
DOWNEY REGIONAL MED CTR-DOWNEY
ENCINO HOSP MED CTR
FAIRCHILD MED CTR-YREKA
FRESNO HEART AND SURGICAL HOSP
GARDEN GROVE HOSP AND MED CTR
GEORGE L. MEE MEMORIAL HOSP-KING CITY
GREATER EL MONTE COMMUNITY HOSP-SOUTH EL MONTE
HAZEL HAWKINS MEMORIAL HOSP-HOLLISTER
HEALDSBURG DISTRICT HOSP-HEALDSBURG
HENRY MAYO NEWHALL MEMORIAL HOSP-VALENCIA
HI-DESERT MED CTR-JOSHUA TREE

Table 3. Hospitals that reported fewer than 20 procedures in every type of surgical site infection data for procedures done from April 1, 2011 through June 30, 2011. No numerical data is reported for these hospitals.

Hospital Name
HOLLYWOOD COMMUNITY HOSP OF HOLLYWOOD
HOLLYWOOD PRESBYTERIAN MED CTR-LOS ANGELES
HUNTINGTON BEACH HOSP
HUNTINGTON MEMORIAL HOSP-PASADENA
KAISER FOUNDATION HOSP-ANAHEIM
KAISER FOUNDATION HOSP- MORENO VALLEY
KAISER FOUNDATION HOSP-SACRAMENTO
KAISER FOUNDATION HOSP-VACAVILLE
KERN MED CTR-BAKERSFIELD
LA PALMA INTERCOMMUNITY HOSP-LA PALMA
LANCASTER COMMUNITY HOSP-PALMDALE
LOMPOC VALLEY MED CTR-LOMPOC
† LOS ANGELES COMMUNITY HOSP
LOS ANGELES COMMUNITY HOSP
NORWALK COMMUNITY HOSP
LOS ANGELES METROPOLITAN MED CTR
LUCILE S PACKARD CHILDREN'S HOSP AT STANFORD
MAD RIVER COMMUNITY HOSP-ARCATA
MAMMOTH HOSP-MAMMOTH LAKES
MARIAN MED CTR-SANTA MARIA
MARINA DEL REY HOSP
MARK TWAIN ST. JOSEPH'S HOSP (4RH)-SAN ANDREAS
MEMORIAL HOSP LOS BANOS
MENDOCINO COAST DISTRICT HOSP-FORT BRAGG
MENIFEE VALLEY MED CTR-SUN CITY
MENLO PARK SURGICAL HOSP
MERCY HOSP OF FOLSOM
MERCY MED CTR-MOUNT SHASTA
MIRACLE MILE MED CTR-LOS ANGELES
MISSION COMMUNITY HOSP-PANORAMA CITY
MISSION HOSPITAL LAGUNA BEACH
MONROVIA MEMORIAL HOSP
MONTCLAIR HOSP MED CTR
MONTEREY PARK HOSP
MOUNTAINS COMMUNITY HOSP-LAKE ARROWHEAD
NATIVIDAD MED CTR-SALINAS
NORTHBAY MED CTR-FAIRFIELD
NORTHBAY VACAVALLEY HOSP-VACAVILLE
NORTHERN INYO HOSP-BISHOP
NOVATO COMMUNITY HOSP
OAK VALLEY HOSP DISTRICT (2-RH)-OAKDALE
OJAI VALLEY COMMUNITY HOSP-OJAI
OROVILLE HOSP
PACIFIC ALLIANCE MED CTR-LOS ANGELES
PACIFIC HOSP OF LONG BEACH
PACIFICA HOSP OF THE VALLEY-SUN VALLEY

Table 3. Hospitals that reported fewer than 20 procedures in every type of surgical site infection data for procedures done from April 1, 2011 through June 30, 2011. No numerical data is reported for these hospitals.

Hospital Name
PALM DRIVE HOSP-SEBASTOPOL
PALO VERDE HOSP-BLYTHE
PARADISE VALLEY HOSP-NATIONAL CITY
PATIENTS' HOSP OF REDDING-REDDING
PETALUMA VALLEY HOSP-PETALUMA
PIONEERS MEMORIAL HEALTHCARE DISTRICT-BRAWLEY
PLUMAS DISTRICT HOSP-QUINCY
PROMISE HOSP OF EAST LOS ANGELES-EAST L.A.
PROMISE HOSP OF EAST LOS ANGELES-LOS ANGELES
PROVIDENCE LITTLE COMPANY OF MARY MED CTR SAN PEDRO
RANCHO SPECIALTY HOSP-RANCHO CUCAMONGA
REDLANDS COMMUNITY HOSP
REDWOOD MEMORIAL HOSP-FORTUNA
RIDGECREST REGIONAL HOSP-RIDGECREST
SAINT FRANCIS MEMORIAL HOSP-SAN FRANCISCO
SAINT LOUISE REGIONAL HOSP-GILROY
SAN FRANCISCO GENERAL HOSP
SAN GABRIEL VALLEY MED CTR-SAN GABRIEL
SAN GORGONIO MEMORIAL HOSP-BANNING
SAN JOAQUIN GENERAL HOSP-FRENCH CAMP
SAN MATEO MED CTR
SAN RAMON REGIONAL MED CTR-SAN RAMON
SANTA CLARA VALLEY MED CTR-SAN JOSE
† SETON MED CTR
SETON MED CTR-DALY CITY
SMC COASTSIDE-MOSS BEACH
SHARP MARY BIRCH HOSP FOR WOMEN AND NEWBORNS-SAN DIEGO
SHERMAN OAKS HOSP
SHRINERS HOSPS FOR CHILDREN-LOS ANGELES
SIERRA KINGS DISTRICT HOSP-REEDLEY
SIERRA VISTA REGIONAL MED CTR-SAN LUIS OBISPO
SILVER LAKE MED CTR-LOS ANGELES
SIMI VALLEY HOSP & HEALTH CARE SERVICES
SONOMA VALLEY HOSP-SONOMA
SONORA REGIONAL MED CTR-SONORA
† SOUTHWEST HEALTHCARE SYSTEM
WILDOMAR
MURRIETA
ST JOHN'S REGIONAL MED CTR-OXNARD
ST. JOSEPH HOSP-EUREKA
ST ROSE HOSP-HAYWARD
ST. HELENA HOSP-CLEARLAKE
ST. MARY MED CTR-LONG BEACH
SUTTER AMADOR HOSP-JACKSON
SUTTER COAST HOSP-CRESCENT CITY
SUTTER DAVIS HOSP

Table 3. Hospitals that reported fewer than 20 procedures in every type of surgical site infection data for procedures done from April 1, 2011 through June 30, 2011. No numerical data is reported for these hospitals.

Hospital Name
SUTTER DELTA MED CTR-ANTIOCH
SUTTER LAKESIDE HOSP-LAKEPORT
SUTTER MATERNITY & SURGERY CENTER OF SANTA CRUZ
SUTTER SOLANO MED CTR-VALLEJO
SUTTER TRACY COMMUNITY HOSP
TEMPLE COMMUNITY HOSP-LOS ANGELES
TRI-CITY REGIONAL MED CTR-HAWAIIAN GARDENS
TRINITY HOSP-WEAVERVILLE
TULARE DISTRICT HOSP-TULARE
UKIAH VALLEY MED CTR-UKIAH
UC DAVIS MED CTR-SACRAMENTO
UC IRVINE MED CTR-ORANGE
† UC SAN DIEGO MED CTR SAN DIEGO J. M.& S. B. THORNTON HOSP-LA JOLLA
† UC SAN FRANCISCO MED CTR UCSF MED CTR UCSF MC AT MOUNT ZION
† VENTURA COUNTY MED CTR VENTURA CO. MED CTR-VENTURA VENTURA CO. MED CTR-SANTA PAULA HOSP
VERDUGO HILLS HOSP-GLENDALE
VICTOR VALLEY COMMUNITY HOSP-VICTORVILLE
WATSONVILLE COMMUNITY HOSP
WEST ANAHEIM MED CTR-ANAHEIM
WESTERN MED CTR-ANAHEIM
WESTERN MED CTR-SANTA ANA
WHITE MEMORIAL MED CTR-LOS ANGELES
WHITTIER HOSP MED CTR
WOODLAND MEMORIAL HOSP

† Infection data reported aggregated by hospital license for multiple hospital campuses.

Source: Healthcare-Associated Surgical Site Infections in California General Acute Care Hospitals, April 1, 2011 through June 30, 2011: Technical Notes and Tables

Table 4. Hospitals that reported that none of the specified inpatient surgical procedures are performed.

Hospital Name
BALLARD REHABILITATION HOSP-SAN BERNADINO
BARLOW RESPIRATORY HOSPITAL-LOS ANGELES
CALIFORNIA MEDICAL FACILITY-VACAVILLE
CASA COLINA HOSP FOR REHAB MEDICINE-POMONA
CATALINA ISLAND MEDICAL CENTER-AVALON
COALINGA REGIONAL MEDICAL CENTER-COALINGA
COLLEGE HOSPITAL-COSTA MESA
† EASTERN PLUMAS HOSPITAL PORTOLA LOYALTON
FAIRVIEW DEVELOPMENTAL CENTER-COSTA MESA
HEALTHBRIDGE CHILDREN'S HOSPITAL-ORANGE
HEALTHSOUTH BAKERSFIELD REHABILITATION HOSP
HEALTHSOUTH TUSTIN REHABILITATION HOSP-TUSTIN
JEROLD PHELPS COMMUNITY HOSPITAL-GARBERVILLE
JOHN C. FREMONT HEALTHCARE DISTRICT-MARIPOSA
JOHN D KLARICH MEMORIAL HOSP, CSP-CORCORAN
KENTFIELD REHABILITATION & SPECIALTY HOSP
KINDRED HOSPITAL-BREA
KINDRED HOSPITAL-LA MIRADA
KINDRED HOSPITAL-SACRAMENTO, FOLSOM
KINDRED HOSPITAL-SAN DIEGO
KINDRED HOSPITAL-SAN FRANCISCO BAY AREA, SAN LEANDRO
KINDRED HOSPITAL-SAN GABRIEL VALLEY, WEST COVINA
KINDRED HOSPITAL-SANTA ANA
KINDRED HOSPITAL-WESTMINSTER
LAGUNA HONDA HOSP & REHAB CENTER-SAN FRANCISCO
LANTERMAN DEVELOPMENTAL CENTER-POMONA
NORTHERN CALIFORNIA REHABILITATION HOSP-REDDING
PORTERVILLE DEVELOPMENTAL CENTER
SAN JOAQUIN VALLEY REHABILITATION HOSP-FRESNO
SANTA YNEZ VALLEY COTTAGE HOSP-SOLVANG
SENECA HEALTHCARE DISTRICT-CHESTER
SONOMA DEVELOPMENTAL CENTER-ELDRIDGE
SOUTHERN INYO HOSPITAL-LONE PINE
SURPRISE VALLEY COMMUNITY HOSP-CEDARVILLE
TEHACHAPI HOSPITAL
THE GENERAL HOSPITAL-EUREKA
USC KENNETH NORRIS JR. CANCER HOSP-LOS ANGELES
VIBRA HOSPITAL OF SAN DIEGO
VISTA HOSPITAL OF SAN GABRIEL VALLEY-BALDWIN PARK
VISTA HOSPITAL OF SOUTH BAY-GARDENA

† Infection data reported aggregated by hospital license for multiple hospital campuses.

Source: Healthcare-Associated Surgical Site Infections in California General Acute Care Hospitals, April 1, 2011 through June 30, 2011: Technical Notes and Tables

Table 5. Hospitals that did not report data for April through June, 2011 by Oct 31, 2011, nor reported that none of the specified inpatient surgical procedures are performed.

Hospital Name
ANAHEIM GENERAL HOSPITAL
BEAR VALLEY COMMUNITY HOSPITAL-BIG BEAR LAKE
CENTRAL VALLEY GENERAL HOSPITAL-HANFORD
COLORADO RIVER MEDICAL CENTER-NEEDLES
† COMMUNITY AND MISSION HOSPITAL OF HUNTINGTON PARK
† CORONA REGIONAL MEDICAL CENTER-CORONA
DELANO REGIONAL MEDICAL CENTER-DELANO
EAST LOS ANGELES DOCTORS HOSPITAL-LOS ANGELES
EAST VALLEY HOSPITAL MEDICAL CENTER-GLENDORA
FALLBROOK HOSPITAL DISTRICT-FALLBROOK
GLENN MEDICAL CENTER-WILLOWS
GOOD SAMARITAN HOSPITAL-BAKERSFIELD
JOHN F. KENNEDY MEMORIAL HOSPITAL-INDIO
KERN VALLEY HEALTHCARE DISTRICT-LAKE ISABELLA
KINDRED HOSPITAL-LOS ANGELES
KINDRED HOSPITAL-ONTARIO
MAYERS MEMORIAL HOSPITAL-FALL RIVER MILLS
MEMORIAL HOSPITAL OF GARDENA
MODOC MEDICAL CENTER-ALTURAS
MOTION PICTURE & TELEVISION HOSPITAL-WOODLAND HILLS
NEWPORT SPECIALTY HOSPITAL-TUSTIN
OLYMPIA MEDICAL CENTER-LOS ANGELES
PROMISE HOSPITAL OF SAN DIEGO
PROVIDENCE TARZANA MEDICAL CENTER-TARZANA
RADY CHILDREN'S HOSPITAL-SAN DIEGO
VISTA HOSPITAL OF RIVERSIDE-PERRIS

† Infection data reported aggregated by hospital license for multiple hospital campuses.

Source: Healthcare-Associated Surgical Site Infections in California General Acute Care Hospitals, April 1, 2011 through June 30, 2011: Technical Notes and Tables

Table 6. Descriptions of NHSN Operative Procedure Codes used in Table 2

PROCEDURE CODE	OPERATIVE PROCEDURE	DESCRIPTION
APPY	Appendix surgery	Operation of appendix (not incidental to another procedure)
BILI	Bile duct, liver or pancreatic surgery	Excision of bile ducts or operative procedures on the biliary tract, liver or pancreas (does not include operations only on gallbladder)
CARD	Cardiac surgery	Procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation
CBGB	Coronary artery bypass graft with both chest and donor site incisions	Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting.
CBGC	Coronary artery bypass graft with chest incision only	Chest procedure to perform direct vascularization of the heart using, for example the internal mammary (thoracic) artery
CHOL	Gallbladder surgery	Cholecystectomy and cholecystotomy
COLO	Colon surgery	Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations
FUSN	Spinal fusion	Immobilization of spinal column
FX	Open reduction of fracture	Open reduction of fracture or dislocation of long bones that requires internal or external fixation; does not include placement of joint prosthesis
GAST	Gastric surgery	Incision or excision of stomach; includes subtotal or total gastrectomy; does not include vagotomy and fundoplication
HPRO	Hip prosthesis	Arthroplasty of hip
KPRO	Knee prosthesis	Arthroplasty of knee
LAM	Laminectomy	Exploration or decompression of spinal cord through excision or incision into vertebral structures
PACE	Pacemaker surgery	Insertion, manipulation or replacement of pacemaker
REC	Rectal surgery	Operations on rectum
RFUSN	Refusion of spine	Refusion of spine
SB	Small bowel surgery	Incision or resection of the small intestine; does not include small-to-large bowel anastomosis

Source: ICD9-CM Procedure Code Mapping to NHSN Operative Procedure Categories, October 2011, accessed 30 Nov 2011.

<http://www.cdc.gov/nhsn/XLS/ICD-9-cmCODEScurrent.xlsx>