



**ADHERENCE TO CENTRAL LINE  
INSERTION PRACTICES IN INTENSIVE  
CARE UNITS IN CALIFORNIA GENERAL  
ACUTE CARE HOSPITALS, APRIL 1,  
2010 THROUGH MARCH 31, 2011**

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH  
CENTER FOR HEALTH CARE QUALITY  
HEALTHCARE-ASSOCIATED INFECTIONS PROGRAM

Date Prior to Release

**ADHERENCE TO CENTRAL LINE INSERTION PRACTICES IN  
INTENSIVE CARE UNITS IN CALIFORNIA GENERAL ACUTE CARE  
HOSPITALS, APRIL 1, 2010 THROUGH MARCH 31, 2011**

TABLE OF CONTENTS

EXECUTIVE SUMMARY	i
INTRODUCTION	1
METHODS	1
RESULTS	1
DISCUSSION	3
REFERENCES	5
TABLES	6

## EXECUTIVE SUMMARY

This is the second California Department of Public Health (CDPH) report on central line insertion practices (CLIP) in California general acute care hospital intensive care units. Complete adherence to all of the recommended practices increased to 94.9% of insertions for April 1, 2010 through March 31, 2011 compared to 93.2% for January 1, 2009 through March 31, 2010. For the 2010-11 reporting period, the CDPH Healthcare-Associated Infections (HAI) Program contacted all hospitals to ensure that complete CLIP observation data were submitted to NHSN, which increased reporting compliance from 83.8% to 98.7% of hospitals.

Over 100,000 patients in California hospitals have a central line inserted each year. While central lines can be critical components of life-saving therapy, they can also be a source of infections. Central line-associated bloodstream infections (CLABSIs) are an important cause of serious illness and substantial increases in health care costs. Contamination of central lines may occur at the time of insertion; one way to prevent CLABSIs has focused on a group or “bundle” of measures that can be implemented during insertion to reduce the risk of contamination. The U.S. Centers for Disease Control and Prevention (CDC) recommends a bundle of measures known as central line insertion practices (CLIP). It is estimated that more than half of CLABSIs may be preventable if hospitals adhere to CLIP. Hospitals can monitor and enforce adherence to CLIP by using a checklist.

California Health and Safety Code section 1288.8(b) requires hospitals to submit to CDC’s National Healthcare Safety Network (NHSN) data on CLIP adherence for all intensive care units (ICUs). This report is an update of CLIP adherence data reported to CDPH through NHSN from April 1, 2010 through March 31, 2011.

During the reporting period, 305 of the 309 licensed general acute care hospitals in California with an ICU reported CLIP adherence data. The CLIP bundle includes eight components: hand hygiene, recommended skin preparation agent, allowing the skin preparation agent to dry, and five maximal sterile barriers (cap, mask, gown, gloves, and drape). The 305 reporting hospitals with ICUs reported 79,026 complete CLIP observations. Adherence to all components of the CLIP bundle occurred in 74,994 (94.9%) of reported central line insertions. For 4,032 non-adherent central line insertions, the inserter did not use at least one of the maximal sterile barriers in 43.2%; the least followed barrier was wearing a cap (28.1%). Attending physicians, physician assistants, and fellows had the lowest adherence; focusing on CLIP practices in these personnel may improve CLIP adherence.

When a patient in a California ICU receives a central line, personnel adhere to the recommended practices 94.9% of the time. Strategies to encourage use of all maximal sterile barriers and improve adherence to CLIP by specific personnel may demonstrate continued improvement in CLIP adherence in California ICUs.

## **INTRODUCTION**

California Health and Safety Code section 1288.8 (b) requires licensed general acute care hospitals to submit to the U.S. Centers for Disease Control and Prevention (CDC) National Healthcare Safety Network (NHSN) central line insertion practices (CLIP) adherence data for intensive care units (ICUs). This is the second report that summarizes CLIP adherence data reported to the California Department of Public Health (CDPH) through NHSN and covers the reporting period April 1, 2010 through March 31, 2011.

## **METHODS**

The methods, definitions, and data analysis processes used in this report are the same as described in the previous report [1], with the exception of calculating adherence to the CLIP bundle. One adherence percentage was calculated for each hospital and was based on observations with complete bundle component data. In the previous report, the frequency of incomplete bundle reporting required a second adherence calculation. For this period only complete reporting was accepted. We calculated adherence as the total number of complete CLIP observations with adherence ('yes') to all eight components divided by the total number of complete CLIP observations.

### **Quality Assurance**

We implemented several measures to increase reporting from hospitals for the 2010-11 reporting period. We sent an email reminder to all hospitals approximately three weeks before the reporting deadline with an emphasis that reporting was mandatory to comply with Health and Safety Code section 1288.8 (b). After the reporting deadline, we identified all non-reporting hospitals and called them to ensure they had no technical issues with reporting through NHSN.

We implemented a retrospective quality assurance process to identify missing data and outliers. We notified hospitals with calculated adherence percentage in the bottom ten percent of all hospitals that their data would be published as such, and provided their calculated adherence percentage.

## **RESULTS**

For the reporting period April 1, 2010 through March 31, 2011, California had 383 licensed general acute care hospitals representing 420 physical campuses with active acute care beds; 46 licensed hospitals had more than one campus associated with its license. During the reporting period, 309 of 383 (80.7%) licensed general acute care hospitals with an ICU met reporting requirements for CLIP adherence monitoring. Of the 309 hospitals with an ICU, 305 (98.7%) reported complete CLIP bundle data.

### **CLIP Bundle Adherence**

Between April 1, 2010 and March 31, 2011, 305 hospitals reported 79,080 CLIP observations. Of these, 79,026 observations (99.9%) included complete CLIP bundle data.

We excluded from these analyses 54 CLIP observations from 14 hospitals with missing bundle data.

Adherence to all eight components in the CLIP bundle occurred in 74,994 central line insertions (94.9%). Adherence was highest in adult and pediatric ICUs (95.0%) compared with NICUs (93.8%, Table 1). Adherence was slightly higher for new central line insertions (95.4%) compared with lines that were replaced due to infection (93.4%) or for other reasons (90.7%, Table 2). Lines placed in the upper extremity had highest CLIP bundle adherence (97.6%), followed by lower extremity lines (96.6%), and umbilical lines (93.6%, Table 3). Adherence was lowest in femoral (88.3%) and subclavian (87.5%) lines. CLIP bundle adherence was 96.9% when the inserter was also the observer compared with 91.8% when the observer was another hospital staff person (Table 4). The peripherally inserted central catheter (PICC) team had the highest CLIP bundle adherence (98.0%), followed by the intravenous (IV) team (97.8%) and other students (97.8%, Table 5). All occupational groups were at approximately 90% for CLIP bundle adherence (Table 5).

The inserter did not follow all eight components of the CLIP bundle in 4,032 insertions (Table 6); inserters did not use at least one of the five maximal sterile barriers in 43.2% of these insertions. Among the individual non-adherent components, not using a recommended skin preparation agent (37.9%) and not allowing the skin preparation agent to dry prior to first skin puncture (28.4%) were most frequent.

### **Individual Component Adherence**

Adherence was well over 90% for each bundle component (Table 7). Among all complete individual CLIP components, adherence was highest for wearing gloves (99.5%). Chlorhexidine gluconate (CHG) was used as the skin preparation agent most often (93.2%), followed by povidone iodine (8.1%), and alcohol (7.3%). For individual maximal sterile barriers, gloves were used most (99.5%), followed by a gown (99.2%), a mask (99.1%), and a drape (99.0%). Collectively, maximal sterile barriers were used in 97.8% of insertions.

### **Additional Descriptive Data**

Most central lines were inserted in adult-only ICUs (83.2%), followed by NICUs (13.0%), and pediatric ICUs (3.8%, Table 1). The most common reason for central line insertion was a new indication for a central line, such as for hemodynamic monitoring or administering fluids or medication; this accounted for 87.0% of central line insertions. Most central lines (60.0%) were placed in an upper extremity. The inserter recorded the majority of the observations (61.2%), meaning that the inserter also completed the CLIP Adherence Monitoring form. The PICC team performed most central line insertions (28.5%) followed by IV team (18.3%, Table 5).

### **Hospital-Specific CLIP Adherence**

Table 8 shows hospital-specific CLIP adherence percent, number of CLIP with 100% adherence, number of complete and incomplete CLIP observations, and total number of CLIP observations reported. The median number of central lines placed by hospitals was

165 and ranged from 1 to 2,180. The median adherence percentage among the 305 hospitals reporting complete bundle data was 96.9% and ranged from 0% to 100%. The top 10% of hospitals had CLIP bundle adherence of 100%; 53 hospitals composed this group. The bottom 10% of hospitals had CLIP bundle adherence of 76.5% or lower; 31 hospitals composed this group.

Table 9 lists the four hospitals with ICUs that did not submit CLIP data for the reporting period April 1, 2010 through March 31, 2011. There were 71 hospitals without ICUs that were not subject to the CLIP reporting requirement and two hospitals with an ICU that performed central line insertions in non-ICU areas only. These hospitals do not appear in the hospital-specific data tables.

## **DISCUSSION**

This report provides an evaluation of CLIP adherence in California general acute care hospitals for the reporting period April 1, 2010 through March 31, 2011, and demonstrates that when a patient in a California ICU receives a central line, personnel adhere to the recommended measures to prevent infections 94.9% of the time.

The number of hospitals reporting CLIP data improved from 83.8% [1] for January 1, 2009 through March 31, 2010 to 98.7% for April 1, 2010 through March 31, 2011. This could be due to improved data collection in the hospital and better reporting into NHSN. Overall adherence to the bundle improved from 93.2% to 94.9% compared to CLIP data from the 2009-10 reporting period [1].

As in the previous report, attending physicians had the lowest CLIP bundle adherence among inserters and not using at least one of the five maximal sterile barriers was the most frequent reason for non-adherence in 2010-11. Physicians may need reminders about following the eight components in the CLIP bundle. Hospitals should consider targeted education that focuses specifically on the bundle components to improve adherence percentages among physicians. Not using a cap was the most common barrier not used. Hospitals with low adherence to cap use may not have central line insertion kits that would include all required sterile barriers; caps may not be readily available for insertions in these hospitals. Ensuring universal availability of insertion kits may improve adherence in these settings.

These data represent an evaluation of CLIP adherence surveillance and demonstrate that California hospitals achieved high adherence during the reporting period 2010-11. This achievement may be attributable in part to improved reporting of CLIP data by hospitals, and efforts by the CDPH HAI Program to improve hospital reporting, but also to the numerous CLABSI prevention collaborative initiatives in California. Future reports of CLIP adherence may reflect the continuing success of these efforts and the enhanced safety of patients in California hospitals.

In follow-up to this report, CDPH will take the following steps:

- Ensure that hospitals are reporting complete CLIP data to NHSN.
- Provide timely quality assurance and control measures for reporting CLIP data.

All hospitals should review these data and take the following steps:

- Use CLIP bundle adherence as a quality improvement tool. Hospitals with low adherence should identify individual component(s) with low percentages and use targeted, evidence-based interventions to improve adherence.
- Examine the use of inserters as observers and verify the accuracy of their observations.
- Educate personnel with low adherence on implementing all CLIP bundle components.
- Implement central line insertion kits, as appropriate, to ensure use of all maximal sterile barriers.
- Consider expanding CLIP adherence monitoring to all patient care units where central lines are used.
- Consider linking CLIP adherence monitoring data with CLABSI surveillance data, to link prevention practices with outcomes.
- Use the analysis tools available in NHSN to review data and verify timeliness and accuracy.

The public and consumers should consider the following steps:

- Ask your healthcare provider about the actions your hospital is taking to prevent CLABSIs, including monitoring CLIP adherence, and ask about CLIP adherence results.
- Ask your healthcare provider about the actions you can take to ensure your safety in the hospital, including protecting against CLABSIs.
- If you don't understand or have a question, speak up. Clear communication between you and your healthcare provider is one of the first steps you can take towards ensuring your own safety.

## REFERENCES

1. California Department of Public Health. Central Line Insertion Practices Adherence in Intensive Care Units in California General Acute Care Hospitals, January 1, 2009 through March 31, 2010. Available at: <http://www.cdph.ca.gov/programs/hai/Documents/Central-Line-Insertion-Practices-January-2009—March-2010.pdf>. Accessed February 15, 2012.
2. O’Grady NP, Alexander M, Burns LA, et al. Guidelines for the Prevention of Intravascular Catheter-Related Infections, 2011. <http://www.cdc.gov/hicpac/pdf/guidelines/bsi-guidelines-2011.pdf>. Accessed March 7, 2012.

**Table 1. Number of CLIP observations and 100% bundle adherence by ICU type in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

<b>Hospital location of central line insertion</b>	<b>CLIP observations, number (% of total)</b>	<b>CLIP observations with 100% bundle adherence, number (%)</b>
<b>Adult-only ICU</b>	65708 (83.2)	62465 (95.1)
<b>Pediatric ICU</b>	3024 (3.8)	2874 (95.0)
<b>NICU</b>	10294 (13.0)	9655 (93.8)
<b>Total</b>	79026 (100)	74994 (94.9)

CLIP = central line insertion practices

ICU = intensive care unit

NICU = neonatal intensive care unit

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 2. Number of CLIP observations and 100% bundle adherence in ICUs by reason for central line insertion in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

Reason for central line insertion	CLIP observations, number (% of total)	CLIP observations with 100% bundle adherence, number (%)
<b>New indication for central line</b>	68741 (87.0)	65558 (95.4)
<b>Replace central line</b>	2558 (3.2)	2393 (93.6)
<b>Suspected central line-associated infection</b>	1400 (1.8)	1307 (93.4)
<b>Other</b>	6324 (8.0)	5735 (90.7)
<b>Unknown</b>	3 (<1)	1 (33.3)
<b>Total</b>	79026 (100)	74994 (94.9)

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 3. Number of CLIP observations and 100% bundle adherence in ICUs by site of central line insertion in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

Site of central line insertion	CLIP observations, number (% of total)	CLIP observations with 100% bundle adherence, number (%)
Upper extremity	47410 (60.0)	46262 (97.6)
Lower extremity	1518 (1.9)	1467 (96.6)
Umbilical	4539 (5.7)	4250 (93.6)
Jugular	13235 (16.8)	12181 (92.0)
Scalp	260 (0.3)	235 (90.4)
Femoral	5938 (7.5)	5241 (88.3)
Subclavian	6124 (7.8)	5356 (87.5)
Unknown	2 (<1)	2 (100)
<b>Total</b>	<b>79026 (100)</b>	<b>74994 (94.9)</b>

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 4. Number of CLIP observations and 100% bundle adherence in ICUs by recorder type in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

<b>Recorder</b>	<b>CLIP observations, number (% of total)</b>	<b>CLIP observations with 100% bundle adherence, number (%)</b>
<b>Inserter</b>	48352 (61.2)	46828 (96.9)
<b>Observer</b>	30670 (38.8)	28162 (91.8)
<b>Unknown</b>	4 (<1)	4 (100)
<b>Total</b>	79026 (100)	74994 (94.9)

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 5. Number of CLIP observations and 100% bundle adherence in ICUs by occupation of inserter in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

<b>Occupation of inserter</b>	<b>CLIP observations, number (% of total)</b>	<b>CLIP observations with 100% bundle adherence, number (%)</b>
<b>PICC team</b>	22540 (28.5)	22083 (98.0)
<b>IV team</b>	14460 (18.3)	14144 (97.8)
<b>Other student</b>	45 (<1)	44 (97.8)
<b>Other</b>	11099 (14.1)	10412 (93.8)
<b>Other medical staff</b>	8631 (10.9)	8050 (93.3)
<b>Intern/resident</b>	6476 (8.2)	6037 (93.2)
<b>Medical student</b>	71 (<1)	66 (93.0)
<b>Fellow</b>	2237 (2.8)	2067 (92.4)
<b>Physician assistant</b>	748 (<1)	688 (92.0)
<b>Attending Physician</b>	12685 (16.1)	11371 (89.6)
<b>Unknown</b>	34 (<1)	32 (94.1)
<b>Total</b>	79026 (100)	74994 (94.9)

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 6. Number of CLIP observations in ICUs by non-adherence to individual bundle components among non-adherent observations (n=4032) in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

Individual CLIP bundle components	CLIP observations, non-adherence number (%)
<b>Maximal sterile barriers</b>	1742 (43.2)
<b>Recommended skin prep</b>	1527 (37.9)
<b>Skin prep dry</b>	1144 (28.4)
<b>Cap*</b>	1132 (28.1)
<b>Hand hygiene</b>	921 (22.8)
<b>Drape*</b>	828 (20.5)
<b>Mask*</b>	746 (18.5)
<b>Gown*</b>	650 (16.1)
<b>Gloves*</b>	410 (10.2)

\*Components of maximal sterile barriers

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 7. Number of CLIP observations in ICUs by adherence to individual bundle components among all complete observations (n=79026) in general acute care hospitals, California, April 1, 2010 through March 31, 2011.**

<b>Individual CLIP bundle components</b>	<b>CLIP observations, adherence number (%)</b>
<b>Gloves*</b>	78616 (99.5)
<b>Gown*</b>	78376 (99.2)
<b>Mask*</b>	78280 (99.1)
<b>Drape*</b>	78198 (99.0)
<b>Hand hygiene</b>	78105 (98.8)
<b>Cap*</b>	77894 (98.6)
<b>Skin prep dry</b>	77882 (98.6)
<b>Recommended skin prep**</b>	77499 (98.1)
<b>CHG</b>	72188 (93.2)
<b>Iodine</b>	6265 (8.1)
<b>Alcohol</b>	5683 (7.3)
<b>Maximal sterile barriers</b>	77284 (97.8)

\*Components of maximal sterile barriers

\*\*More than one skin preparation agent may have been used.

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
ADVENTIST HEALTH SYSTEMS	100.0	26	26	.	26
ADVENTIST MED CTR, HANFORD					
SELMA COMMUNITY HOSP					
AHMC ANAHEIM REGIONAL MED CTR, ANAHEIM	99.7	345	346	.	346
ALAMEDA COUNTY MED CTR	99.1	210	212	.	212
FAIRMONT CAMPUS, SAN LEANDRO					
ALAMEDA COUNTY MED CTR, OAKLAND					
ALAMEDA HOSP	68.4	13	19	.	19
ALHAMBRA HOSP MED CTR	97.5	119	122	.	122
ALTA LOS ANGELES HOSPS, INC	84.0	21	25	.	25
LOS ANGELES COMMUNITY HOSP					
NORWALK COMMUNITY HOSP					
ALVARADO HOSPITAL, LLC	98.2	222	226	.	226
ALVARADO HOSP CAMPUS #1, SAN DIEGO					
ALVARADO HOSP CAMPUS #2, SAN DIEGO					
ANAHEIM GENERAL HOSP	90.9	10	11	.	11
ANTELOPE VALLEY HOSP, LANCASTER	90.0	244	271	.	271
ARROWHEAD RGN MED CTR, COLTON	93.8	180	192	.	192
ARROYO GRANDE COMMUNITY HOSP	88.0	44	50	.	50
BAKERSFIELD HEART HOSP	99.2	246	248	.	248
BAKERSFIELD MEMORIAL HOSP	99.8	533	534	.	534
BARSTOW COMMUNITY HOSP	20.0	1	5	.	5
BARTON MEMORIAL HOSP, SOUTH LAKE TAHOE	97.7	43	44	.	44
BELLFLOWER MED CTR	89.5	17	19	.	19

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
BEVERLY HOSP, MONTEBELLO	100.0	228	228	.	228
BIGGS GRIDLEY MEMORIAL HOSP, GRIDLEY	14.3	1	7	.	7
BROTMAN MED CTR, CULVER CITY	97.4	186	191	.	191
CALIFORNIA HOSP MED CTR, LOS ANGELES	94.7	213	225	.	225
CALIFORNIA PACIFIC MED CTR, ST LUKE'S CAMPUS, SAN FRANCISCO	100.0	82	82	.	82
CATHOLIC HEALTHCARE WEST	99.1	329	332	.	332
DOMINICAN HOSP CAMPUS #1, SANTA CRUZ					
DOMINICAN HOSP CAMPUS #2, SANTA CRUZ					
CATHOLIC HEALTHCARE WEST	99.2	132	133	.	133
MERCY HOSP, BAKERSFIELD					
MERCY SOUTHWEST HOSP, BAKERSFIELD					
CEDARS-SINAI MED CTR, LOS ANGELES	98.3	1016	1034	1	1035
CENTINELA HOSPITAL MED CTR, INGLEWOOD	100.0	533	533	.	533
CHAPMAN MED CTR, ORANGE	50.0	5	10	.	10
CHILDREN'S HOSP AND RESEARCH CTR AT OAKLAND	97.4	297	305	.	305
CHILDREN'S HOSP AT MISSION, MISSION VIEJO	98.4	61	62	.	62
CHILDREN'S HOSP CENTRAL CA, MADERA	99.5	815	819	.	819
CHILDREN'S HOSP OF LOS ANGELES	93.5	431	461	4	465
CHILDREN'S HOSP OF ORANGE COUNTY, ORANGE	98.4	358	364	.	364
CHINESE HOSP, SAN FRANCISCO	100.0	6	6	.	6
CHINO VALLEY MED CTR, CHINO	58.8	10	17	.	17
CITRUS VALLEY MED CTR, INC	91.8	224	244	.	244
CITRUS VALLEY MED CTR, IC, COVINA					
CITRUS VALLEY MED CTR, QV, WEST COVINA					
CITY OF HOPE HELFORD CLINICAL RESEARCH HOSP, DUARTE	98.3	174	177	.	177

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
CLOVIS COMMUNITY MED CTR	85.7	84	98	.	98
COAST PLAZA HOSP, NORWALK	91.3	63	69	.	69
COASTAL COMMUNITIES HOSP, SANTA ANA	14.6	6	41	.	41
COLUSA REG MED CTR	66.7	2	3	.	3
COMMUNITY HOSP OF LONG BEACH	100.0	65	65	.	65
COMMUNITY HOSPITAL OF SAN BERNARDINO	64.5	71	110	.	110
COMMUNITY HOSPITAL OF THE MONTEREY PENINSULA, MONTEREY	77.4	509	658	.	658
COMMUNITY MEMORIAL HOSP, SAN BUENAVENTURA, VENTURA	98.7	220	223	.	223
COMMUNITY REGIONAL MED CTR, FRESNO	81.0	612	756	.	756
CONTRA COSTA REGIONAL MED CTR, MARTINEZ	97.7	86	88	.	88
COUNTY OF VENTURA	72.7	120	165	.	165
VENTURA COUNTY MED CTR					
VENTURA COUNTY MED CTR, SANTA PAULA HOSP					
DAMERON HOSP, STOCKTON	97.4	260	267	.	267
DELANO REGIONAL MED CTR	80.0	28	35	.	35
DESERT REGIONAL MED CTR, PALM SPRINGS	92.8	155	167	.	167
DESERT VALLEY HOSP, VICTORVILLE	96.1	124	129	.	129
DOCTORS HOSP OF MANTECA	87.2	34	39	.	39
DOCTORS MED CTR, MODESTO	96.8	489	505	.	505
DOCTORS MED CTR, SAN PABLO	100.0	42	42	.	42
DOWNEY REGIONAL MED CTR	100.0	120	120	.	120
EARL & LORAIN MILLER CHILDREN'S HOSP, LONG BEACH	99.3	134	135	.	135
EAST LOS ANGELES DOCTORS HOSP, LOS ANGELES	94.1	64	68	.	68
EAST VALLEY HOSP MED CTR, GLENDORA	100.0	22	22	.	22
EDEN MED CTR	99.7	392	393	.	393

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
EDEN MED CTR, CASTRO VALLEY					
SAN LEANDRO HOSP					
EISENHOWER MED CTR, RANCHO MIRAGE	100.0	131	131	.	131
EL CAMINO HOSP					
EL CAMINO HOSP, MOUNTAIN VIEW	96.4	372	386	1	387
EL CAMINO HOSPITAL LOS GATOS	100.0	67	67	.	67
EL CENTRO REGIONAL MED CTR	81.2	56	69	.	69
EMANUEL MED CTR INC, TURLOCK	98.1	205	209	.	209
ENCINO HOSP MED CTR, ENCINO	100.0	43	43	.	43
ENLOE MEDICAL CENTER	96.4	133	138	.	138
ENLOE REHABILITATION CTR, CHICO					
ENLOE MED CTR, COHASSET, CHICO					
ENLOES MED CTR, ESPLANADE, CHICO					
FAIRCHILD MED CTR, YREKA	87.5	21	24	.	24
FALLBROOK HOSP DISTRICT	86.7	26	30	.	30
FEATHER RIVER HOSP, PARADISE	98.5	195	198	.	198
FOOTHILL PRESBYTERIAN HSP-JOHNSTON MEMORIAL, GLENDORA	64.3	9	14	.	14
FOUNTAIN VALLEY REGIONAL HOSP & MED CTR	96.5	302	313	.	313
FOUNTAIN VALLEY REGIONAL HOSP & MED CTR					
FOUNTAIN VALLEY REGIONAL HOSP & MED CTR					
FRANK R. HOWARD MEMORIAL HOSP, WILLITS	92.3	24	26	.	26
FRENCH HOSP MED CTR, SAN LUIS OBISPO	92.2	47	51	.	51
FRESNO HEART AND SURGICAL HOSP	68.8	11	16	.	16
GARDEN GROVE HOSP AND MED CTR	100.0	99	99	.	99
GARFIELD MED CTR, MONTEREY PARK	88.5	230	260	.	260

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
GEORGE L. MEE MEMORIAL HOSP, KING CITY	76.5	13	17	1	18
GLENDALE ADVENTIST MED CTR	72.8	270	371	.	371
GLENDALE MEMORIAL HOSP AND HEALTH CTR	98.8	238	241	.	241
GOOD SAMARITAN HOSPITAL, LOS ANGELES	97.1	438	451	.	451
GOOD SAMARITAN HOSPITAL, LP	97.7	333	341	1	342
MISSION OAKS HOSP, LOS GATOS					
GOOD SAMARITAN HOSP, SAN JOSE					
GREATER EL MONTE COMMUNITY HOSP, SOUTH EL MONTE	83.9	73	87	.	87
GROSSMONT HOSP, LA MESA	99.6	539	541	.	541
HAZEL HAWKINS MEMORIAL HOSP, HOLLISTER	100.0	34	34	.	34
HEALDSBURG DISTRICT HOSP	100.0	19	19	.	19
HEMET VALLEY MED CTR	60.6	218	360	.	360
HENRY MAYO NEWHALL MEMORIAL HOSP, VALENCIA	93.8	151	161	.	161
HI-DESERT MED CTR, JOSHUA TREE	94.9	74	78	.	78
HOAG MEMORIAL HOSP PRESBYTERIAN, INC	99.1	925	933	.	933
HOAG HOSPITAL, IRVINE					
HOAG MEMORIAL HOSP PRESBYTERIAN, NEWPORT BEACH					
HOLLYWOOD COMMUNITY HOSP OF HOLLYWOOD	30.0	15	50	.	50
HOLLYWOOD PRESBYTERIAN MED CTR, LOS ANGELES	100.0	265	265	.	265
HOSPITAL COMMITTEE AREA LIVERMORE PLEASANTON	94.5	138	146	.	146
VALLEYCARE MEDICAL CENTER, PLEASANTON					
VALLEY MEMORIAL HOSPITAL, LIVERMORE					
HUNTINGTON BEACH HOSP	100.0	28	28	.	28
HUNTINGTON MEMORIAL HOSP, PASADENA	95.0	360	379	.	379
JOHN F. KENNEDY MEMORIAL HOSP, INDIO	50.0	11	22	.	22

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
JOHN MUIR MED CTR, CONCORD	98.4	314	319	.	319
JOHN MUIR MED CTR, WALNUT CREEK	96.5	642	665	.	665
KAISER FOUNDATION HOSP, ANTIOCH	90.7	117	129	.	129
KAISER FOUNDATION HOSP, BALDWIN PARK	92.5	233	252	.	252
KAISER FOUNDATION HOSP-DOWNEY, BELLFLOWER	81.9	131	160	.	160
KAISER FOUNDATION HOSP, FONTANA	99.5	577	580	.	580
KAISER FOUNDATION HOSP, FRESNO	100.0	155	155	.	155
KAISER FOUNDATION HOSP, MORENO VALLEY	98.5	67	68	.	68
KAISER FOUNDATION HOSP, PANORAMA CITY	85.1	177	208	.	208
KAISER FOUNDATION HOSP, REDWOOD CITY	99.1	114	115	.	115
KAISER FOUNDATION HOSP, RIVERSIDE	75.8	270	356	.	356
KAISER FOUNDATION HOSP, SAN DIEGO	97.5	306	314	.	314
KAISER FOUNDATION HOSP, SAN FRANCISCO	100.0	272	272	.	272
KAISER FOUNDATION HOSP, SAN JOSE	100.0	67	67	.	67
KAISER FOUNDATION HOSP, SAN RAFAEL	95.3	143	150	.	150
KAISER FOUNDATION HOSP, SANTA CLARA	82.6	479	580	1	581
KAISER FOUNDATION HOSP, SANTA ROSA	100.0	193	193	.	193
KAISER FOUNDATION HOSP, SOUTH BAY, HARBOR CITY	96.7	176	182	.	182
KAISER FOUNDATION HOSP, SOUTH SACRAMENTO	96.5	300	311	.	311
KAISER FOUNDATION HOSP, SOUTH SAN FRANCISCO	95.7	110	115	.	115
KAISER FOUNDATION HOSP, SUNSET, LOS ANGELES	90.6	1579	1742	.	1742
KAISER FOUNDATION HOSP, VACAVILLE	90.5	67	74	.	74
KAISER FOUNDATION HOSP & REHAB CTR, VALLEJO	86.4	153	177	.	177
KAISER FOUNDATION HOSP, WALNUT CREEK	100.0	460	460	.	460
KAISER FOUNDATION HOSP, WEST LA, LOS ANGELES	99.5	217	218	.	218

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
KAISER FOUNDATION HOSP, WOODLAND HILLS	95.8	160	167	.	167
KAISER FOUNDATION HOSPS					
KAISER FOUNDATION HOSP, ANAHEIM	89.7	174	194	.	194
KAISER FOUNDATION HOSP, IRVINE	92.3	156	169	.	169
KAISER FOUNDATION HOSPS	92.2	307	333	.	333
KAISER FOUNDATION HOSP, FREMONT					
KAISER FOUNDATION HOSP, HAYWARD/FREMONT					
KAISER FOUNDATION HOSPS	98.2	163	166	.	166
KAISER FOUNDATION HOSP, MODESTO					
KAISER FOUNDATION HOSP, MANTECA					
KAISER FOUNDATION HOSPS	99.1	212	214	.	214
KAISER FOUNDATION HOSP, OAKLAND/RICHMOND					
KAISER FOUNDATION HOSP, RICHMOND					
KAISER FOUNDATION HOSPS					
KAISER FOUNDATION HOSP-SACRAMENTO/ROSEVILLE, ROSEVILLE	85.5	425	497	.	497
KAISER FOUNDATION HOSP-SACRAMENTO/ROSEVILLE, SACRAMENTO	99.3	413	416	.	416
KARYKEION, INC.	25.0	3	12	.	12
COMMUNITY AND MISSION HOSP OF HUNTINGTON PARK CAMPUS #1					
COMMUNITY AND MISSION HOSP OF HUNTINGTON PARK CAMPUS #2					
KAWEAH DELTA MED CTR, VISALIA	94.9	618	651	.	651
KERN MED CTR, BAKERSFIELD	93.5	86	92	.	92
LA PALMA INTERCOMMUNITY HOSP	95.1	78	82	.	82
LAC+USC MED CTR, LOS ANGELES	98.2	691	704	.	704
LAC/HARBOR-UCLA MEDL CTR, TORRANCE	77.6	545	702	.	702
LAC/RANCHO LOS AMIGOS NATIONAL REHAB CTR, DOWNEY	96.8	30	31	.	31

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
LAKWOOD REGIONAL MED CTR	100.0	288	288	.	288
LODI MEMORIAL HOSP ASSOCIATION, INC.	92.5	247	267	.	267
LODI MEMORIAL HOSP (1RH)					
LODI MEMORIAL HOSP-WEST					
LOMA LINDA UNIVERSITY MEDICAL	91.9	2004	2180	.	2180
LOMA LINDA UNIV HEART & SURGICAL HOSP, REDLANDS					
LOMA LINDA UNIV MED CTR EAST HOSP, LOMA LINDA					
LOMA LINDA UNIV MED CTR, LOMA LINDA					
LOMPOC VALLEY MED CTR	69.6	16	23	.	23
LONG BEACH MEMORIAL MED CTR, LONG BEACH	98.7	220	223	.	223
LOS ALAMITOS MED CTR	99.3	151	152	.	152
LOS ANGELES CO OLIVE VIEW-UCLA MED CTR, SYLMAR	100.0	401	401	1	402
LOS ANGELES METROPOLITAN MED CTR	66.7	22	33	.	33
LOS ROBLES REGIONAL MED CTR	78.6	92	117	.	117
LOS ROBLES HOSP & MED CTR, E, THOUSAND OAKS					
LOS ROBLES HOSP & MED CTR, THOUSAND OAKS					
LUCILE SALTER PACKARD CHILDREN'S HOSP AT STANFORD, PALO ALTO	99.1	773	780	25	805
MAD RIVER COMMUNITY HOSP, ARCATA	100.0	19	19	.	19
MADERA COMMUNITY HOSP	56.7	17	30	.	30
MAMMOTH HOSP	0.0	0	1	.	1
MARIAN MED CTR, SANTA MARIA	77.6	45	58	.	58
MARIN GENERAL HOSP, GREENBRAE	100.0	77	77	.	77
MARINA DEL REY HOSP	100.0	46	46	.	46
MARK TWAIN ST. JOSEPH'S HOSP (4RH), SAN ANDREAS	100.0	44	44	.	44
MARSHALL MED CTR (1-RH), PLACERVILLE	99.4	175	176	.	176

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
MEMORIAL HOSP LOS BANOS	91.7	11	12	.	12
MEMORIAL HOSP OF GARDENA	93.1	188	202	9	211
MEMORIAL MED CTR, MODESTO	99.9	738	739	.	739
MENDOCINO COAST DISTRICT HOSP, FORT BRAGG	76.2	16	21	.	21
MENIFEE VALLEY MED CTR, SUN CITY	99.4	161	162	.	162
MERCY GENERAL HOSP, SACRAMENTO	99.5	590	593	.	593
MERCY HOSP OF FOLSOM	97.0	229	236	.	236
MERCY MED CTR MERCED	93.6	88	94	.	94
MERCY MED CTR MT. SHASTA	100.0	10	10	.	10
MERCY MED CTR REDDING	100.0	583	583	.	583
MERCY SAN JUAN MED CTR, CARMICHAEL	99.5	1130	1136	.	1136
METHODIST HOSP OF SACRAMENTO	97.0	447	461	.	461
METHODIST HOSP OF SOUTHERN CA, ARCADIA	87.1	223	256	.	256
MILLS-PENINSULA HEALTH SERVICES	59.7	114	191	.	191
MILLS HEALTH CTR, SAN MATEO					
PENINSULA MED CTR, BURLINGAME					
MISSION HOSPITAL REGIONAL MED CTR	99.1	562	567	.	567
MISSION HOSP REGIONAL MED CTR					
MISSION HOSP LAGUNA BEACH					
MONTCLAIR HOSP MED CTR	40.0	12	30	1	31
MONTEREY PARK HOSP	93.3	28	30	.	30
NATIVIDAD MED CTR, SALINAS	92.3	132	143	.	143
NORTHBAY HEALTHCARE GROUP					
NORTHBAY MED CTR, FAIRFIELD	99.7	292	293	.	293
NORTHBAY VACAVALLEY HOSP	99.4	162	163	.	163

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
NORTHERN INYO HOSP, BISHOP	66.7	10	15	.	15
NORTHRIDGE HOSP MED CTR	97.9	419	428	.	428
NOVATO COMMUNITY HOSP	100.0	44	44	.	44
O'CONNOR HOSP, SAN JOSE	80.9	72	89	1	90
OAK VALLEY HOSP DISTRICT (2-RH), OAKDALE	88.5	23	26	.	26
OJAI VALLEY COMMUNITY HOSP, OJAI	100.0	3	3	.	3
OLYMPIA MED CTR, LOS ANGELES	99.0	98	99	.	99
ORANGE COAST MEMORIAL MED CTR, FOUNTAIN VALLEY	100.0	12	12	.	12
OROVILLE HOSP	100.0	164	164	.	164
PACIFIC ALLIANCE MED CTR	97.7	43	44	.	44
PALM DRIVE HOSP, SEBASTOPOL	98.5	65	66	.	66
PALMDALE REGIONAL MEDICAL CTR	94.6	105	111	.	111
PALO VERDE HOSP, BLYTHE	58.3	7	12	.	12
PALOMAR MED CTR, ESCONDIDO	99.4	639	643	.	643
PARADISE VALLEY HOSP, NATIONAL CITY	95.5	85	89	.	89
PARKVIEW COMMUNITY HOSP MED CTR, RIVERSIDE	100.0	228	228	.	228
PETALUMA VALLEY HOSP, PETALUMA	100.0	122	122	.	122
PIONEERS MEMORIAL HEALTHCARE DISTRICT, BRAWLEY	97.4	37	38	.	38
PLACENTIA LINDA HOSP	84.8	67	79	.	79
POMERADO HOSP, POWAY	98.5	200	203	.	203
POMONA VALLEY HOSP MED CTR, POMONA	91.1	473	519	.	519
PRESBYTERIAN INTERCOMMUNITY HOSP, WHITTIER	98.2	372	379	.	379
PROVIDENCE HOLY CROSS MED CTR, MISSION HILLS	98.8	248	251	.	251
PROVIDENCE LITTLE COMPANY OF MARY MED CTR, SAN PEDRO	98.7	220	223	.	223
PROVIDENCE LITTLE COMPANY OF MARY MED CTR, TORRANCE	98.6	639	648	.	648

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
PROVIDENCE SAINT JOSEPH MED CTR, BURBANK	97.7	292	299	.	299
PROVIDENCE TARZANA MED CTR, TARZANA	99.3	301	303	.	303
QUEEN OF THE VALLEY MED CTR, NAPA	87.5	252	288	.	288
RADY CHILDREN'S HOSP, SAN DIEGO	94.3	566	600	.	600
REDLANDS COMMUNITY HOSP	95.6	459	480	5	485
REDWOOD MEMORIAL HOSP, FORTUNA	100.0	21	21	.	21
REGIONAL MED CTR OF SAN JOSE	72.9	172	236	2	238
RIDGECREST REGIONAL HOSP	33.3	9	27	.	27
RIVERSIDE COMMUNITY HOSP	97.2	726	747	.	747
RIVERSIDE COUNTY REGIONAL MED CTR, MORENO VALLEY	99.8	508	509	.	509
RONALD REAGAN UCLA MED CTR, LOS ANGELES	95.3	1388	1457	.	1457
SADDLEBACK MEMORIAL MED CTR	95.7	518	541	.	541
SADDLEBACK MEMORIAL MED CTR					
SADDLEBACK MEMORIAL MED CTIR, SAN CLEMENTE					
SAINT AGNES MED CTR, FRESNO	97.2	349	359	.	359
SAINT FRANCIS MED CTR, LYNWOOD	99.3	427	430	.	430
SAINT FRANCIS MEMORIAL HOSP, SAN FRANCISCO	99.6	243	244	.	244
SAINT JOHN'S HEALTH CTR, SANTA MONICA	100.0	39	39	.	39
SAINT LOUISE REGIONAL HOSP, GILROY	92.2	59	64	.	64
SAINT VINCENT MED CTR, LOS ANGELES	93.6	190	203	.	203
SALINAS VALLEY MEMORIAL HOSP	97.9	138	141	.	141
SAN ANTONIO COMMUNITY HOSP, UPLAND	99.8	467	468	.	468
SAN DIMAS COMMUNITY HOSP	94.4	17	18	.	18
SAN FRANCISCO GENERAL HOSP	94.2	409	434	.	434
SAN GABRIEL VALLEY MED CTR, SAN GABRIEL	98.3	176	179	.	179

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
SAN GORGONIO MEMORIAL HOSP, BANNING	98.9	90	91	.	91
SAN JOAQUIN COMMUNITY HOSP, BAKERSFIELD	99.8	455	456	.	456
SAN JOAQUIN GENERAL HOSP, FRENCH P	91.6	218	238	.	238
SAN MATEO MED CTR	78.7	37	47	.	47
SAN RAMON REGIONAL MED CTR, INC.	100.0	9	9	.	9
SAN RAMON REGIONAL MED CTR					
SAN RAMON REGIONAL MED CTR SOUTH BUILDING					
SANTA BARBARA COTTAGE HOSP	85.5	100	117	.	117
SANTA CLARA VALLEY MED CTR, SAN JOSE	96.3	234	243	.	243
SANTA MONICA, UCLA MED CTR AND ORTHOPAEDIC HOSP	98.1	417	425	.	425
SANTA ROSA MEMORIAL HOSP	100.0	842	842	.	842
SCRIPPS GREEN HOSP, LA JOLLA	100.0	441	441	.	441
SCRIPPS HEALTH	94.5	260	275	.	275
SCRIPPS MERCY HOSP					
SCRIPPS MERCY HOSP CHULA VISTA					
SCRIPPS MEMORIAL HOSP, ENCINTAS	97.9	95	97	.	97
SCRIPPS MEMORIAL HOSP, LA JOLLA	96.0	429	447	.	447
SEQUOIA HOSP, REDWOOD CITY	92.6	88	95	.	95
SETON MED CTR	90.2	166	184	.	184
SETON MED CTR, DALY CITY					
SETON MED CTR, COASTSIDE, MOSS BEACH					
SHARP CHULA VISTA MED CTR	96.6	371	384	.	384
SHARP CORONADO HOSP AND HEALTHCARE CTR	100.0	22	22	1	23
SHARP MARY BIRCH HOSP FOR WOMEN & NEWBORNS, SAN DIEGO	99.8	848	850	.	850
SHARP MEMORIAL HOSP, SAN DIEGO	99.4	349	351	.	351

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
SHASTA REGIONAL MED CTR, REDDING	88.2	315	357	.	357
SHERMAN OAKS HOSP	59.1	26	44	.	44
SHRINERS HOSPS FOR CHILDREN NORTH CA, SACRAMENTO	98.5	133	135	.	135
SIERRA NEVADA MEMORIAL HOSP, GRASS VALLEY	100.0	67	67	.	67
SIERRA VIEW DISTRICT HOSP, PORTERVILLE	96.9	94	97	.	97
SIERRA VISTA REGIONAL MED CTR, SAN LUIS OBISPO	94.2	130	138	.	138
SILVER LAKE MED CTR, LOS ANGELES	100.0	65	65	.	65
SIMI VALLEY HOSP & HEALTH CARE SERVICES	91.5	54	59	.	59
SONOMA VALLEY HOSP	90.5	38	42	.	42
SONORA REGIONAL MED CTR	98.3	117	119	.	119
SONORA REGIONAL MED CTR CAMPUS #1					
SONORA REGIONAL MED CTR CAMPUS #2					
ST BERNARDINE MED CTR	98.1	255	260	.	260
ST ELIZABETH COMMUNITY HOSP, RED BLUFF	100.0	32	32	.	32
ST JOHN'S PLEASANT VALLEY HOSP, ARILLO	98.8	162	164	.	164
ST JOHN'S REGIONAL MED CTR, OXNARD	95.5	343	359	.	359
ST ROSE HOSP, HAYWARD	93.7	148	158	.	158
ST HELENA HOSP, ST HELENA	67.8	103	152	.	152
ST HELENA HOSP, CLEARLAKE	100.0	64	64	.	64
ST JOSEPH HOSP EUREKA	95.6	173	181	.	181
ST JOSEPH HOSP, EUREKA					
THE GENERAL HOSP, EUREKA					
ST JOSEPH HOSP, ORANGE	98.0	146	149	.	149
ST JOSEPH'S MED CTR OF STOCKTON	89.4	517	578	.	578
ST JUDE MED CTR, FULLERTON	99.5	649	652	.	652

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
ST MARY MED CTR, APPLE VALLEY	94.1	193	205	.	205
ST MARY MED CTR, LONG BEACH	88.5	193	218	.	218
ST MARY'S MED CTR, SAN FRANCISCO	100.0	90	90	.	90
STANFORD HOSP, STANFORD	99.7	1333	1337	.	1337
SUTTER AMADOR HOSP, JACKSON	99.2	127	128	.	128
SUTTER AUBURN FAITH HOSP, AUBURN	96.8	60	62	.	62
SUTTER COAST HOSP, CRESCENT CITY	92.5	49	53	.	53
SUTTER DAVIS HOSPITAL, DAVIS	95.2	59	62	.	62
SUTTER DELTA MED CTR, ANTIOCH	96.0	95	99	.	99
SUTTER EAST BAY HOSPS	99.1	1213	1224	.	1224
ALTA BATES SUMMIT MED CTR, ALTA BATES CAMPUS, BERKELEY					
ALTA BATES SUMMIT MED CTR, HERRICK CAMPUS, BERKELEY					
ALTA BATES SUMMIT MED CTR, SUMMIT CAMPUS #1, OAKLAND					
ALTA BATES SUMMIT MED CTR, SUMMIT CAMPUS #2, OAKLAND					
SUTTER HEALTH SACRAMENTO SIERRA REGION	91.7	966	1053	.	1053
SUTTER GENERAL HOSP, SACRAMENTO					
SUTTER MEMORIAL HOSP, SACRAMENTO					
SUTTER LAKESIDE HOSP, LAKEPORT	100.0	10	10	.	10
SUTTER MED CTR OF SANTA ROSA	99.6	233	234	.	234
SUTTER ROSEVILLE MED CTR	96.9	784	809	.	809
SUTTER SOLANO MED CTR, VALLEJO	95.6	130	136	.	136
SUTTER TRACY COMMUNITY HOSP, TRACY	93.6	146	156	.	156
SUTTER WEST BAY HOSPITALS	99.9	979	980	.	980
CALIFORNIA PACIFIC MED CTR, DAVIES CAM HOSP, SAN FRANCISCO					
CALIFORNIA PACIFIC MED CTR, PACIFIC CAM HOSP, SAN FRANCISCO					

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
CALIFORNIA PACIFIC MED CTR, CA WEST CAM HOSP, SAN FRANCISCO					
TAHOE FOREST HOSP, TRUCKEE	100.0	32	32	.	32
TEMPLE COMMUNITY HOSP, LOS ANGELES	100.0	9	9	.	9
THE FREMONT-RIDEOUT HEALTH GROUP	93.8	45	48	.	48
FREMONT MED CTR, YUBA CITY					
RIDEOUT MEMORIAL HOSP, MARYSVILLE					
TORRANCE MEMORIAL MED CTR, TORRANCE	98.3	59	60	.	60
TRI-CITY MED CTR, OCEANSIDE	81.9	145	177	.	177
TRI-CITY REGIONAL MED CTR, HAWAIIAN GARDENS	100.0	45	45	.	45
TULARE REGIONAL MEDICAL CTR	98.3	59	60	.	60
TWIN CITIES COMMUNITY HOSP, TEMPLETON	91.5	108	118	.	118
UHS-CORONA, INC.	100.0	187	187	.	187
CORONA REGIONAL MED CTR, CAMPUS #1					
CORONA REGIONAL MED CTR, CAMPUS #2					
UKIAH VALLEY MED CTR/HOSP DRIVE, UKIAH	97.7	42	43	.	43
UNIVERSAL HEALTH SERVICES OF RANCHO SPRINGS, INC.	98.8	169	171	.	171
SOUTHWEST HEALTHCARE SYSTEMS, WILDOMAR					
SOUTHWEST HEALTHCARE SYSTEMS, MURRIETA					
UNIVERSITY OF CALIFORNIA DAVIS MED CTR, SACRAMENTO	95.4	2075	2174	.	2174
UNIVERSITY OF CALIFORNIA IRVINE MED CTR, ORANGE	99.6	1280	1285	.	1285
UNIVERSITY OF CALIFORNIA, SAN DIEGO	99.7	891	894	.	894
UNIVERSITY OF CALIFORNIA, SAN DIEGO MED CTR					
UCSD- LA JOLLA, JOHN M. & SALLY B. THORNTON HOSP					
UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	95.7	605	632	.	632
UCSF MED CTR, SAN FRANCISCO					

**Table 8. Hospital-specific CLIP adherence percentages in ICUs in general acute care hospitals that reported complete CLIP observations, California, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Percent Adherence	No. CLIP Observations with 100% Adherence	No. Complete CLIP Observations	No. Incomplete CLIP Observations	Total No. CLIP Observations
UCSF MED CTR AT MOUNT ZION, SAN FRANCISCO					
UNIVERSITY OF SOUTHERN CALIFORNIA	92.1	407	442		442
USC KENNETH NORRIS JR. CANCER HOSPITAL					
USC UNIVERSITY HOSP, LOS ANGELES					
VALLEY PRESBYTERIAN HOSP, VAN NUYS	90.9	160	176	.	176
VERDUGO HILLS HOSP, GLENDALE	89.5	17	19	.	19
VICTOR VALLEY COMMUNITY HOSP, VICTORVILLE	92.7	38	41	.	41
WASHINGTON HOSP, FREMONT	99.8	418	419	.	419
WATSONVILLE COMMUNITY HOSP	96.9	63	65	.	65
WEST ANAHEIM MED CTR, ANAHEIM	99.2	238	240	.	240
WEST HILLS HOSP & MED CTR	95.1	154	162	.	162
WESTERN MED CTR, ANAHEIM	81.0	64	79	.	79
WESTERN MED CTR, SANTA ANA	84.1	243	289	.	289
WHITE MEMORIAL MED CTR, LOS ANGELES	85.8	302	352	.	352
WHITTIER HOSPITAL MED CTR	98.9	184	186	.	186
WOODLAND MEMORIAL HOSP	98.0	149	152	.	152

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.

**Table 9. California general acute care hospitals with ICUs that did not report CLIP data, April 1, 2010 through March 31, 2011.**

Reporting Hospital	Report Status
GOOD SAMARITAN HOSP, BAKERSFIELD	No Report
MOTION PICTURE & TELEVISION HOSP, WOODLAND HILLS	No Report
PACIFIC HOSP OF LONG BEACH	No Report
PACIFICA HOSP OF THE VALLEY, SUN VALLEY	No Report

Source: Adherence to Central Line Insertion Practices in Intensive Care Units in California General Acute Care Hospitals, April 2010 through March 2011, California Department of Public Health, May 2012.