

Demo Exercise Results: Rate Table

Output:

National Healthcare Safety Network Rate Table for Central Line-Associated BSI Data for ICU-Other

As of: February 27, 2014 at 9:33 AM

Date Range: CLAB_RATE_SICU summaryYr 2012 to 2012

Org ID=10018 CDC Location=IN:ACUTE:CC:CT_PED

Location	Summary Yr/Half	Months	CLA BSI Count	Central Line Days	CLA BSIRate	NHSN CLAB Pooled Mean	Incidence Density p-value	Incidence Density Percentile	Patient Days	CL Util Ratio	NHSN Line DU Pooled Mean	Proportion p-value	Proportion Percentile
22ICU	2012H1	6	3	1390	2.158	1.4	0.4488	77	2934	0.474	0.72	0.0000	9
22ICU	2012H2	6	1	1143	0.875	1.4	0.7243	29	2414	0.473	0.72	0.0000	9

Source of aggregate data: Am J Infect Control 2013;41:1148-88

Data contained in this report were last generated on February 27, 2014 at 8:08 AM.

Answers:

1. What is the 22ICU's CLABSI rate for the first half of 2012? **2.158 CLABSIs per 1,000 central line days**
2. What is the NHSN pooled mean rate for pediatric cardiothoracic ICU locations? **1.4 CLABSIs per 1,000 central line days**
3. What is the calculated incidence density p-value that compares the 22ICU's CLABSI rate to the NHSN pooled mean in the second half of 2012? Explain what this p-value means using a threshold of 0.05. **The incidence density p-value is 0.7243. This p-value is greater than the threshold of 0.05, so we can conclude that the facility's rate of 0.875 CLABSIs/1,000 central line days is NOT statistically significantly lower than the NHSN pooled mean of 1.4 CLABSIs/1,000 central line days.**
4. What is the 22ICU's central line utilization ratio for the second half of 2012? Interpret this statistic. **The central line utilization ratio is 0.473. This means that 47.3% of the patient days in the 22ICU were also central line days.**
5. What is the 22ICU's central line utilization percentile for the first half of 2012? Interpret this statistic. **The central line utilization percentile is 9. This means that 9% of all other NHSN-reporting pediatric cardiothoracic ICUs contributing to this pooled mean have a central line utilization ratio at or below this ICU's utilization ratio of 0.474.**