

Demo Exercise Results: LabID Event SIR

Output:

Below is the expected SIR output.

National Healthcare Safety Network
SIR - CDI FacwideIN LabID Data

As of: February 27, 2014 at 9:23 AM

Date Range: LABID_RATESCDIF summaryYQ 2012Q3 to 2012Q4

Org ID=10018 CMS Certification Number=N/A

Org ID	Location	Summary Yr/Qtr	Months	CDIF Facility Incident HO LabID Event Count	CDIF Facility Incident HO LabID Number Expected	Patient Days	SIR	SIR p-value	95% Confidence Interval
10018	FACWIDEIN	2012Q3	3	45	36.042	43838	1.249	0.1448	0.922, 1.656
10018	FACWIDEIN	2012Q4	3	37	34.857	42538	1.061	0.6996	0.758, 1.448

Includes only inpatient facility-wide (FACWIDEIN) data relevant to CDI LabID reporting.

The number expected and SIRs are not calculated when Group By = summaryYM.

Lower bound of 95% Confidence Interval only calculated if infCount > 0. SIR values only calculated if numExp >= 1.

If a quarter's prevalence rate is >1.78, the number expected will not be calculated for that quarter.

SIR excludes those months where CDIF patient days and/or admissions are missing, required survey-level data are missing, or verification of 'report no events' has not been completed when 0 events have been reported.

Source of aggregate data: 2010-2011 NHSN CDI LabID Data

Data contained in this report were last generated on January 24, 2014 at 10:41 AM.

Answers:

1. What is your facility's CDI SIR for the 3rd quarter of 2012? **1.249**
2. For the 4th quarter of 2012, do the p-value and 95% confidence interval indicate that the number of observed *C. diff* infections in your facility is significantly different from the number expected? **The p-value for the 4th quarter SIR is 0.6996. Because this p-value is greater than 0.05, the SIR is not statistically significant, and therefore the number of observed *C. difficile* infections is not significantly different from the number expected. The interpretation is the same when evaluating the 95% Confidence Interval; because the Confidence Interval includes the value of 1, the SIR is not statistically significant.**

