



National Healthcare Safety Network (NHSN) Analysis Training Answers



Exercise 2 Questions

- How many days from the admit date to the event date were there for patient ID 94567 in the MICU? 24.
- How many CLABSIs were reported by the SICU in H2 2011? 2.
- Did the ICU/CCU have any CLABSIs during this time period? No.
- If so, how many? N/A.
- Which patient had the fewest days between the admit date and event date? Patients 973456 in the SICU and 3829455 in the 2 MSICU with 5 days (By selecting all critical care and neonatal critical care units using the location type in our filter, we actually return results for an ICU (2 MSICU) that is not listed in our original scenario of units in which we do surveillance.).

Exercise 3 Procedure File Corrections

- Correct date format for columns D and F is mm/dd/yyyy.
- Column G, Row 6 – CSEC should be outpatient = N; Column G, Row 12 – RFUSN should be outpatient = N.
- Column I, Row 5 – HPRO duration needs to be broken out into hours and minutes – 3 hours, 10 minutes.
- Column J, Row 9 – COLO wound class couldn't be C, needs to be CC, CO, or D.
- Column R, Row 12 – RFUSN is missing a required field (spinal level).
- Remove other tabs.
- Remove header rows 1-4 and column A.
- Resave as a CSV file.

Exercise 5 Questions

- SICU SIR 2011H1: 0.881.
- SICU SIR 2011 H2: 0.953.
- Is H1 higher or lower than the national experience? Lower.
- By how much? 12%.
- Is this difference statistically significant? No, the p-value is 0.6.
- Is H2 higher or lower than the national experience? Lower.
- By how much? 5%.
- Is this difference statistically significant? No, the p-value is 0.7.

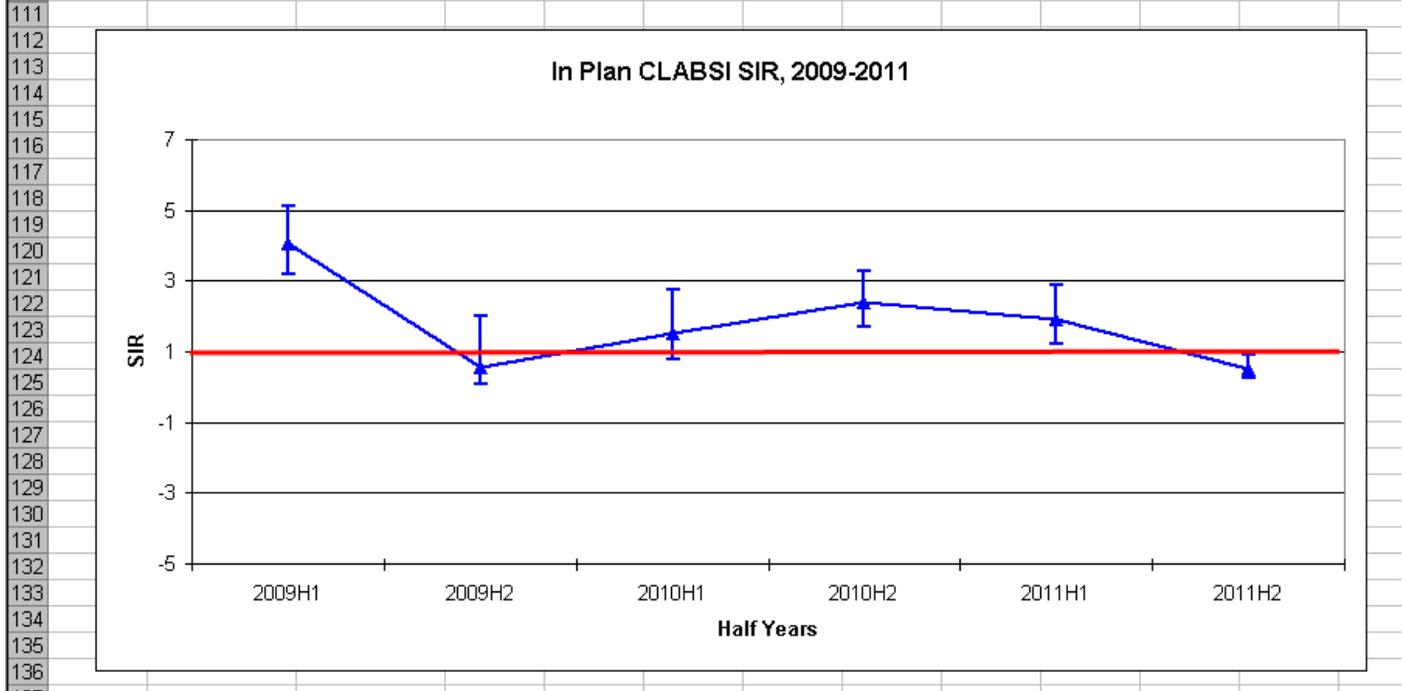


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Exercise 8 Questions

1	summary	Upper CI	Lower CI	SIR
2	2009H1	5.113	3.187	4.066
3	2009H2	1.99	0.067	0.551
4	2010H1	2.757	0.769	1.541
5	2010H2	3.288	1.71	2.405
6	2011H1	2.874	1.214	1.916
7	2011H2	0.934	0.276	0.535



Questions

- What is your scale for the y-axis? Approximately 7 to -5 (can vary).
- Are any of the half years for the in plan CLABSI SIR above the national experience? Yes.
- If so, which? All except 2011H2, but only 2009H1, 2010H2, and 2011H1 are statistically significantly above because their confidence intervals do not cross the 1 line.
- Are any of the half years statistically significantly below the national experience? Yes.
- If so, which? 2011H2.