

CONFUSION ASSESSMENT METHOD for the ICU (CAM-ICU)

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CONFUSION ASSESSMENT METHOD for the ICU (CAM-ICU)

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BACKGROUND

- The Confusion Assessment Method for the ICU is a tool used to identify delirium in intensive care unit patients.
- The CAM-ICU is one of the tools used in the EPIC charting system used by Lehigh Valley Health Network.
- Nurses at Lehigh Valley Hospital – Schuylkill ICU have never used the CAM-ICU.

PICO

- P: LVH-Schuylkill East night shift RNs
- I: Educational intervention on the CAM-ICU (including the Richmond Agitation Sedation Scale)
- C: No education
- O: Knowledge and confidence in using the CAM-ICU.

EVIDENCE

- Delirium is highly prevalent in critically ill patients and is associated with higher mortality, costs of care, and greater lengths of stay in the ICU patients (Khan et al., 2017).
- A nursing educational intervention implemented on a 23 bed ICU showed increased knowledge in: impacts of delirium, CAM-ICU interpretation, patient case scenario, and validity of the CAM-ICU tool (Ramoo et al., 2018).

IMPLEMENTATION

- Researched evidence on delirium and the CAM-ICU.
- Consulted LVH-CC expert MSICU nurse on information for educational intervention.
- Developed a short, educational intervention to instruct the nurses on using the RASS and CAM-ICU.
- Developed pre and post-intervention survey to assess confidence and chose 3 case scenarios to assess knowledge before and after intervention.
- Pre-survey, pre-test, and educational intervention performed over a two week period followed by a two week period for post-survey and post-test implementation.
- Local bakery cake used as incentive to participate.

ANALYSIS OF OUTCOMES

- Pre-education survey results showed the majority of nurses were very uncomfortable using the RASS, CAM-ICU, and with the implementation of EPIC documentation system.
- Post-education survey results showed nurses were more comfortable using the RASS, CAM-ICU, and the with the implementation of EPIC documentation system.
- Nurses showed increased test averages results when comparing pre-education case scenario test results to post-education case scenario test results.

NEXT STEPS

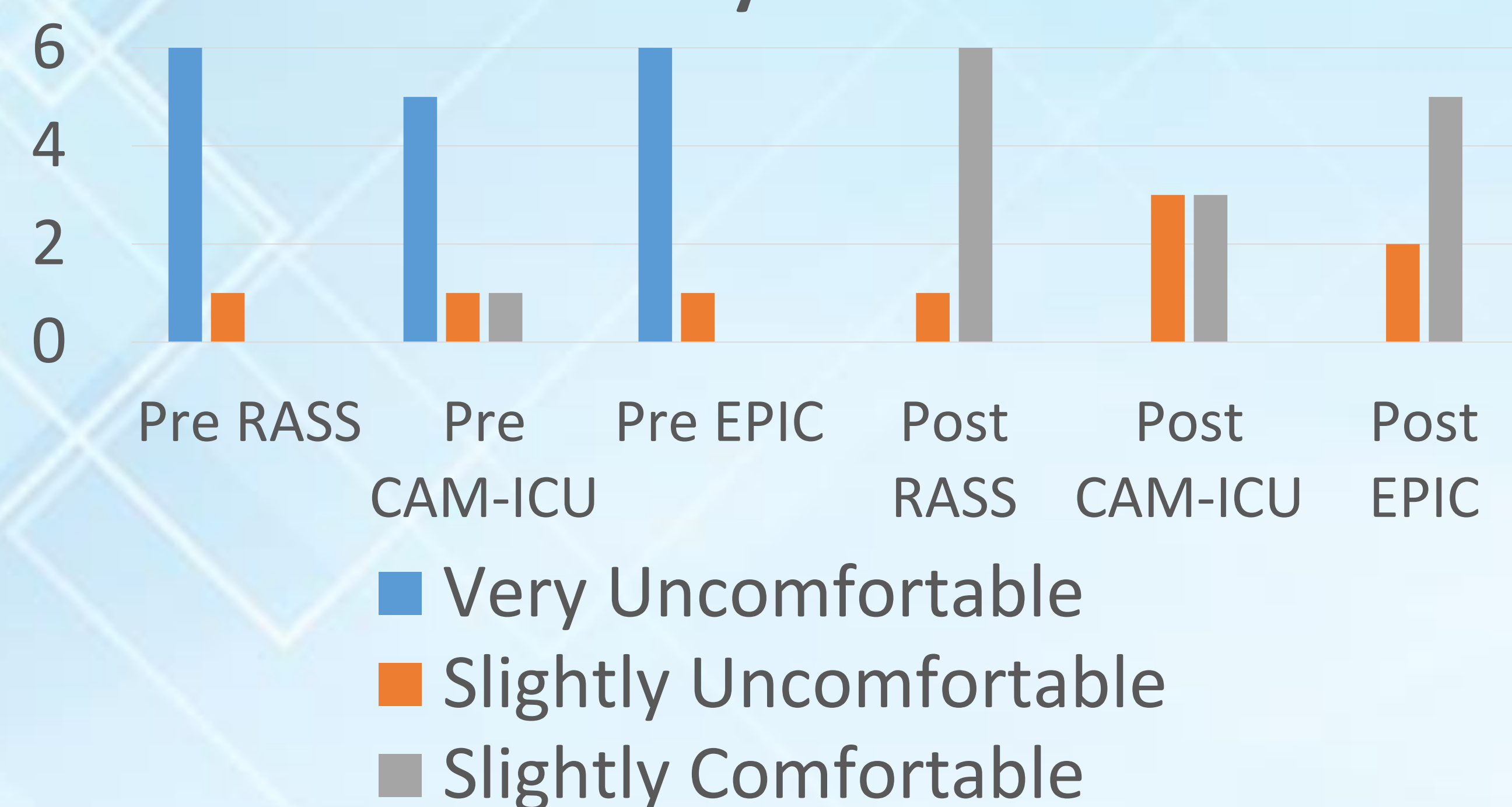
- Interest expressed by nurses on other shifts to receive CAM-ICU education.
- Make education intervention available to all ICU nurses at Lehigh Valley Hospital – Schuylkill prior to implementation of EPIC documentation system.

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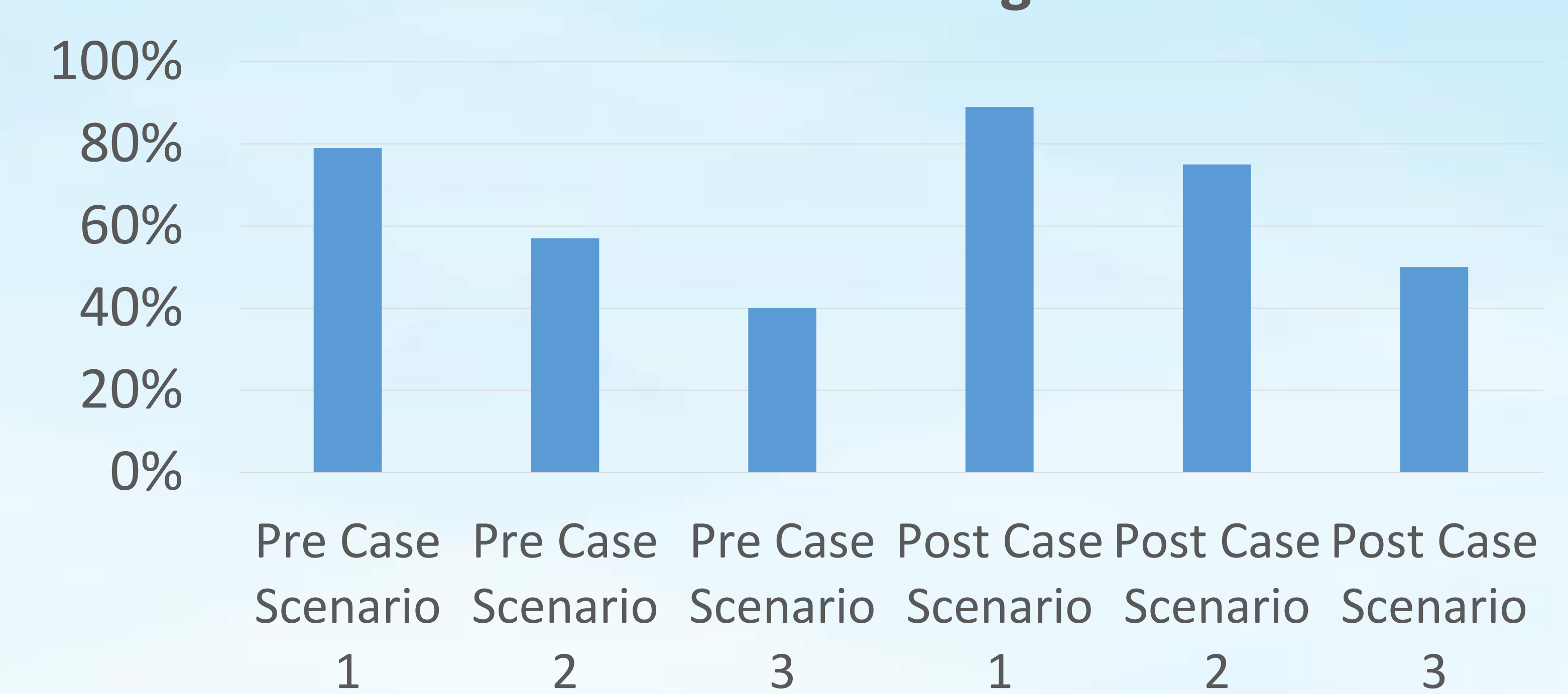
OUTCOMES

Survey Results



	Very Uncomfortable	Slightly Uncomfortable	Slightly Comfortable	Very Comfortable
Pre RASS	6	1	0	0
Pre CAM-ICU	5	1	1	0
Pre EPIC	6	1	0	0
Post RASS	0	1	6	0
Post CAM-ICU	0	3	3	0
Post EPIC	0	2	5	0

Case Scenario Test Average Results



Case Scenarios	Test Average Results
Pre Case Scenario 1	0.79
Pre Case Scenario 2	0.57
Pre Case Scenario 3	0.4
Post Case Scenario 1	0.89
Post Case Scenario 2	0.75
Post Case Scenario 3	0.5

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