

#### **INTRODUCTION**

Delirium is a common occurrence in the ICU, which affects 60-80% of mechanically-ventilated patients. Its effects include increased ventilator days, hospital length of stay, 6 month mortality rates, and costs.

- Despite the prevalence of delirium in the ICU, it often goes unrecognized. The Confusion Assessment Method for the Intensive Care Unit (CAM-ICU) is a reliable and validated delirium screening tool, specifically designed to assess mechanically-ventilated patients.
- A previous attempt at our facility to implement the CAM-ICU revealed barriers to implementation. Identifying barriers and the use of strategies to overcome these barriers appears to be essential to facilitate adoption of a practice change.
- **Rogers' Diffusion of Innovations Theory proposes that** knowledge, persuasion, decision, implementation and confirmation are the five stages in the innovation decision process. These steps can assist with the adoption of an evidence-based practice change.<sup>1</sup>

Knowledge Gain a better understanding of the innovation<sup>2</sup> Persuasion Form a more positive opinion about the innovation<sup>3</sup> Decision Accept or reject innovation<sup>3</sup> Implementation Initial use of the innovation<sup>4</sup> Confirmation Recognize the value & benefit of the innovation<sup>4</sup>

#### **PURPOSE**

To determine the effectiveness of Diffusion of Innovations Theory to facilitate adoption of an evidence-based practice change, the Confusion **Assessment Method for the Intensive Care Unit.** 



# **Utilizing Diffusion of Innovations Theory to Implement An Evidence-Based Practice Change**

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## **METHODS**

This descriptive case study was conducted for 8 weeks in a different ICU within the facility. The participants were the 34 ICU RNs who provide care for mechanically-ventilated patients in the ICU. CAM-ICU assessments were expected to be performed at the beginning of each shift on every mechanically-ventilated patient.

Strategies, specific to each stage of the innovation decision process, were utilized to facilitate adoption of this practice change.

<ul> <li>KNOWLEDGE</li> <li>One hour RN inservices –D</li> <li>Booklets- Powerpoint &amp; CA Manual</li> <li>Journal articles</li> <li>Physician &amp; Resident education</li> </ul>
<ul> <li>PERSUASION</li> <li>CAM Champions</li> <li>Nurse Manager &amp; Clinical N support</li> </ul>
<ul> <li>DECISION</li> <li>Weekly journal articles</li> <li>Weekly posters boards</li> </ul>
<ul> <li>IMPLEMENTATION</li> <li>CAM-ICU worksheets on even</li> <li>CAM-ICU flowsheets on even</li> <li>CAM-ICU assessments even</li> <li>Weekly results- frequency of</li> </ul>
<ul> <li>CONFIRMATION</li> <li>Feedback</li> <li>Final results</li> <li>Implications for future prace</li> </ul>

**Five Stages –Innovation Decision Process** 

Delirium & CAM-ICU AM-ICU Training

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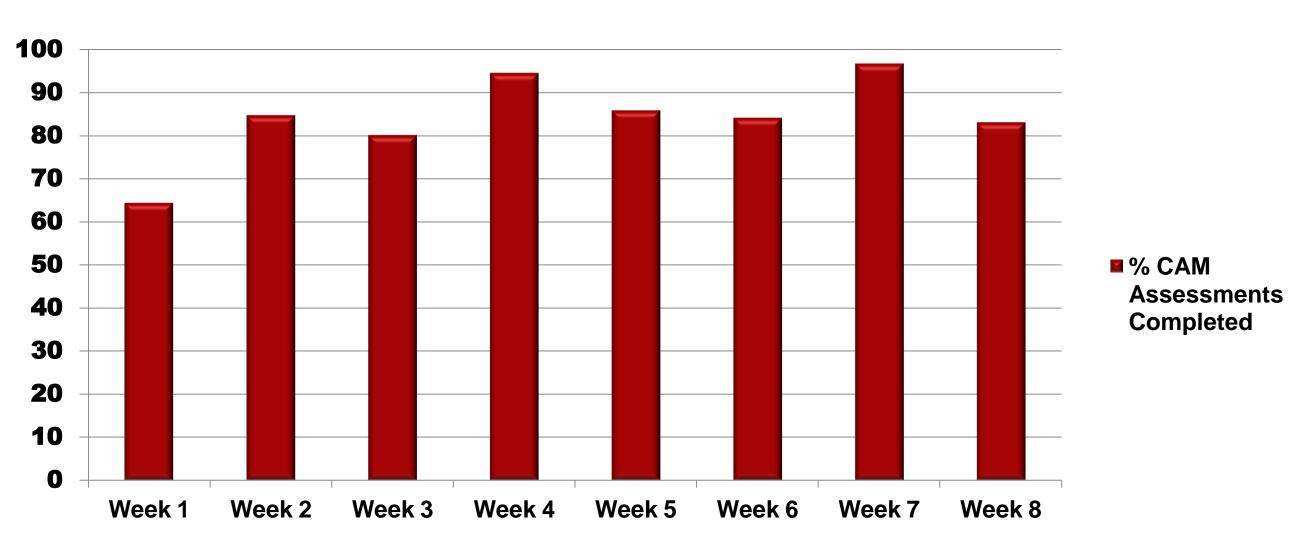
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### RESULTS

Based on previous studies, the benchmark for successful implementation of the CAM-ICU was 80% <sup>5,6</sup>



## **CONCLUSIONS**

- CAM-ICU.

Diffusion of Innovations Theory can be effective for facilitating an evidence-based practice change.

#### REFERENCES

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#### The frequency of CAM-ICU assessments was measured by determining how many assessments were expected to be performed and how many were performed. This was calculated as a percentage.

 159 of the 187 expected assessments were performed • Frequency of CAM-ICU assessments = 85% 38% of the completed assessments suggested delirium

Diffusion of Innovations Theory can be effective for guiding the process of implementing the CAM-ICU.

Identifying potential barriers and developing specific strategies to overcome these barriers, which are specific to each stage of the innovation decision process, can assist with promoting the use of the

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