



Mobile SimBus Innovations: Using Disaster Preparedness Simulations for Student Nurse Clinical Judgement Training

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INTRODUCTION

Disasters can occur anywhere at any time disrupting the normal function of civilization including the normal triage in the emergency department. The goal for disaster triage is to do the greatest good for the greatest amount of people (TNCC 8, ENA) versus the standard normal triage which is to treat the most incapacitated or sickest first. For nursing students, this concept can be overwhelming. As nurse educators, we designed a mobile simulation bus (SIMBUS), to provide students a foundation to reduce loss of life and lessen the impact of negative effects caused by a disaster. After having staff and students just read about disaster triage, we realized the necessary complexity for decision making with multiple injured victims at the same time with limited resources required an improved innovative approach to benefit learners in developing such critical thinking. Patients with severe traumatic injuries require rapid assessment and stabilization for mild to life-threatening injuries

Goals or Objectives

- Identify the emergency readiness process
- Discuss disaster triage
- Enhance critical thinking skills
- Promote clinical reasoning
- Improve clinical judgment for nursing students

PURPOSE

The purpose of this presentation is to elucidate the process used to improve student nurses' clinical reasoning skills while practicing disaster triaging on a mobile sim bus



CONCLUSIONS & IMPLICATIONS

After reviewing the students' preferences and learning outcomes, it was greatly seen how this innovative approach to teaching disaster preparedness on an actual emergency management disaster vehicle improved student motivation to learn and appreciate the reality of such a situation. Not all nursing schools will have the opportunity to have such a collaborative partnership with such a large hospital whose disaster emergency management program is as extensive as The James A. Haley VA Hospital in Tampa, FL. This shares the possibility to develop added trainings between academia and clinical facilities. Covid- 19 brought an altered way to perform the Sim Bus trainings with smaller groups, social distancing, and mask

IMPLEMENTATION

Seven manikins were moulaged and placed on the Sim Bus, an actual thirty-foot dual use vehicle used for disasters. Each manikin had a scenario where the students had to figure out the disaster category and what color to code the patient, also what immediate interventions were needed with the limited resources available

EVALUATION

Evaluations were collected after each learning simulation. Descriptive data/statistics shown that the students preferred learning about disaster preparedness in this manner versus by book alone. Of the **xxx** number of students who attended the mobile simulation disaster training, we found a consistent 98% outstanding evaluation of this learning method.

RESULTS

The overall findings from the SimBus innovative trainings clearly shown that preference for training for disaster preparedness in this way of training. 100 % of participants responses commented on how they really loved this application of critical thinking and seeing the realism from the simulated manikins.

REFERENCE LITERATURE

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