

Educational Intervention to Mitigate Effects of Bullying in the Student Nurse Population

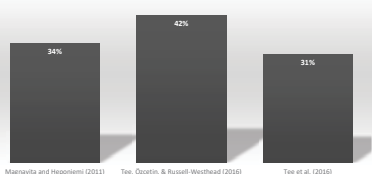
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Bullying in Nursing

Background

- Verbal abuse, non-verbal abuse, and interference or sabotaging workflow are often recognized as bullying behaviors in nursing that can be injurious to the victim as well as the patients.
- Bullying is pervasive in the profession and student nurses are victims without skills to mitigate the negative behaviors.

Percentage of Student Nurses That Experienced or Observed Bullying in Clinical Settings



Purpose

The purpose of this study is to examine the feasibility and acceptability of education-based intervention to mitigate the effects of bullying on delivery of safe patient care by senior-level student nurses.

Objectives

- Test educational intervention with student nurses encountering bullying behaviors in the clinical setting
- Direct observation and quantification of how bullying can impact patient safety
- Analyze the effectiveness of intervention for student nurses



Methods

Study design: Exploratory randomized controlled trial using 3 groups

Sample population: Senior-level student nurses from the University of Cincinnati

Sampling strategy: Convenience

Outcome measures: Bullying Knowledge Survey & Medication Administration observation checklist

Method: In a simulated health setting...

- Control group will be asked to perform medication administration with a non-bullying distractions occurring
- Non-intervention group will be asked to perform medication administration with bullying distraction occurring
- Intervention group will receive a bullying education intervention first and then be asked to perform medication administration with bullying distraction occurring
- All distractions will be conducted by professional actors (Standardized Participants)

Expected Results

Hypothesis 1. Participants in the intervention group will have *increased scores on the bullying knowledge survey* after receiving the educational intervention.

Hypothesis 2. Participants in the intervention group will demonstrate a *higher medication administration score* than participants in the non-intervention group.

Hypothesis 3. There will be *no difference* in medication administration scores between the intervention and control group.

Future Direction

Future Research Goals

If the intervention shows preliminary efficacy, future steps will include seeking federal funding from CDC/NIOSH to conduct a large-scale randomized control trial study with several baccalaureate nursing programs to determine the overall effect of the intervention.

Long-Term Goal

The long-term goal is to reduce bullying and bullying behaviors in the nursing profession through integration of effective educational interventions addressing bullying into nursing program curricula nationwide.

References

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Acknowledgements

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University of Cincinnati 19th Annual Pilot Research Project Symposium October 11-12, 2018



Pilot Research Training Program (PRP) Overview

Welcome to the University of Cincinnati Education and Research Center's (ERC) 19th Annual Pilot Research Project (PRP) Symposium on October 11-12, 2018, held in the Kowalewski Hall Auditorium. The purpose of the PRP is to increase the research capacity of research trainees and young investigators in occupational health and safety and to encourage those in related disciplines to pursue occupational health and safety research.

Under the administrative direction of Dr. Amit Bhattacharya and Dr. Gordon Gillespie, research proposals are solicited and peer-reviewed annually by qualifying faculty and graduate students from the University of Cincinnati and the following PRP partnering institutions – Air Force Institute of Technology, Bowling Green State University, University of Toledo – Health Science Campus, Central State University, Purdue University, University of Kentucky, Western Kentucky University, Eastern Kentucky University, Murray State University, Ohio University and Kentucky State University.

At this symposium, the 2017-18 awardees will be presenting the results of their research and the 2018-19 awardees will make poster presentations of their proposed work. The keynote speaker on Thursday, October 11, 2018 is Captain Lauralynn McKernan from the CDC/NIOSH Division of Surveillance, Hazard Evaluation and Field Studies, presenting on "Listen to the Music: How Rock 'n' Roll Provides Touchstones for the Evolution of Occupational Health."

The University of Cincinnati's Education and Research Center is one of 18 national centers funded by the National Institute for Occupational Safety and Health (NIOSH). Dr. Tiina Reponen serves as the director of the ERC, which is based in the University's Department of Environmental Health within the College of Medicine. The purpose of the ERC is to train professionals in the didactic and research skills necessary to lead in occupational safety and health disciplines. Results of research are translated into action through an outreach program and shared with professionals and practitioners in the region via continuing education.

Since 1999, the PRP program has allocated over \$1.4 million to support 239 pilot research projects. These projects have served as a catalyst in bringing over \$41 million in additional research support to the region from sources independent of the PRP program, such as, the National Institute for Occupational Safety and Health (NIOSH), National Institutes of Health (NIH), United States Department of Agriculture (USDA), National Science Foundation (NSF), and the Centers for Disease Control and Prevention (CDC). Additionally, the PRP has brought 55 new investigators from other fields of expertise to the area of occupational safety and health research.

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