

Title: Testing an Interprofessional Collaborative Practice Model to Improve Obesity-related Health Outcomes with a Statewide Consortium

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Background/Introduction

The purpose of this project is to describe a unique IPCP model in Michigan and to discuss the expansion efforts that created practice environments comprised of nursing and other health professional disciplines engaged in IPCP. The project is the foundation of an innovative state model in IPCP and was initiated using the MIPERC, Midwest Interprofessional Practice Education and Research Center (formerly WMIPEI) model in two nurse managed clinics located in designated health professional shortage areas. The model was designed to improve the quality of health care by enhancing a team based approach and to improve health outcomes. The goals of the program are to allow emergent nurse leaders to demonstrate interprofessional collaborative practice leadership, to incorporate training opportunities for nursing and other health professional students into the IPCP practice environment, and to develop the long term sustainability of the IPCP clinic-based innovation through a statewide initiative.

Purpose: overarching goals

- 1) Allow emergent nurse leaders to demonstrate interprofessional collaborative practice leadership
- 2) Incorporate training opportunities for nursing and other health professional students into the IPCP practice environment of two pilot clinics
- 3) Develop a long term plan for the dissemination and sustainability of the IPCP clinic-based innovation through a statewide initiative

Methods/Designs

The design is a purposeful sample inclusion of students having a clinical rotation at the two nurse managed centers. Faculty and clinicians either were composed of individuals already on staff or hired to conduct the study. Students, staff and faculty involved in the study were asked to complete the interprofessional collaborative practice training which included four online learning modules with a pre/post-tests, the ELIQ (Entry Level Interprofessional Questionnaire), case studies, huddles, and focus group activities. In addition students completed a program and site evaluations for the IPCP training, and post training ELIQ. Staff and faculty completed a baseline and annual Meisner satisfaction survey, and annual ELIQ to evaluate teamwork and communication, and work life satisfaction. The changes in IPCP knowledge were measured by paired t-tests of pre/post-test scores. Changes in teamwork, communication, and work life satisfaction attitudes were also measured using paired t-tests.

Preliminary Results/Findings

Participants included training for 14 faculty and staff, and 36 undergraduate and 23 graduate level learners serving 250 enrolled in the healthy weight management programs. Preliminary results showed the IPCP online modules increased knowledge by 15-20% in both staff, faculty and student learners. The ELIQ assessment showed positive trends for teamwork and communication. Using the ELIQ, biases towards other professions decreased by nearly 10%. The Misener survey shows positive trends.

Conclusions/Lessons Learned:

A benefit for the study partners to exchange ideas and sustainability were the monthly meeting updates chaired by Michigan department of Community Health. The weekly evaluation team meetings were critical to the study methodology of data collection, data extraction and analyses. The meetings also provided an opportunity for the two sites to share ideas for student community projects, interprofessional behaviors, and patient recruitment.