

TESTING AN INTERPROFESSIONAL COLLABORATIVE PRACTICE MODEL TO IMPROVE OBESITY- RELATED HEALTH OUTCOMES WITH A STATEWIDE CONSORTIUM

HRSA/NEPQR Presentation
December 20, 2013



PROJECT PARTNERS



- Michigan Department of Community Health (MDCH)
- Grand Valley State University Office of the Vice Provost for Health (GVSU OVPH)
- Grand Valley State University Family Health Center (GVSU FHC)
- Wayne State University College of Nursing (WSU CON)
- Wayne State University Campus Health Center (WSU CHC)
- Michigan Health Council (MHC)
- Michigan Area Health Education Center (MI-AHEC)

PROJECT GOALS

Overarching Goals:

1. Allow emergent nurse leaders to demonstrate interprofessional collaborative practice (IPCP) 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.



PANDEMIC HEALTH CRISIS IN MICHIGAN

Governor Snyder has made obesity a statewide health initiative under the direction of Michigan Department of Community Health

- Michigan ranks 5th in nation for obesity
 - 31.3% of Michigan adults are obese
 - 65.5% of Michigan adults are overweight or obese
 - 12.4% of Michigan children are obese
 - 30.6% of Michigan children are overweight or obese



PROJECT TEAMS

WSU-CHC



GVSU-FHC



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WAYNE STATE
UNIVERSITY
SCHOOL OF MEDICINE



NEPQR-Partners



Evaluation Team



MICHIGAN PARTNERS

Grand Rapids:

- Jean Nagelkerk (*PI/Evaluation Team*)
- Brenda Pawl (*Project Director*)
- Katie Branch (*E360designer*)
- Lawrence Baer (*Evaluation Specialist*)
- Colleen MacCallum (*Evaluation Team*)
- Sonia Taylor (*NP/Clinician - FHC*)
- Scott Berlin (*Social Work Faculty - FHC*)
- Kim Fenbert (*Nursing Faculty - FHC*)
- Mark Armstrong (*Physician - FHC*)

Lansing:

- Amber Myers (*MDCH*)
- Elizabeth Nagel (*MDCH*)
- David Miller (*MHC*)
- Drew Murray (*MHC*)

Detroit:

- Ramona Benkert (*PI/Evaluation Team*)
- Linda Tarjeft (*MI-AHEC*)
- Leon Hudson (*MI-AHEC*)
- Ann Clifton (*NP/Administrator - CHC*)
- Holly Moore (*NP/Clinician - CHC*)
- Darlene Bellers (*Dietician - CHC*)
- Nancy George (*Nursing Faculty - CON*)



REACHING OUT TO THE MEDICALLY UNDERSERVED IN DETROIT

Wayne State University Campus Health Center (CHC):

- Currently serves 33,091 students:
 - 34% uninsured, 17% on Medicaid
 - Ethnically diverse
 - 25% are overweight or obese
 - 5% suffer from hypertension or diabetes

What will this project do?

- Expand the capacity of the CHC to provide access to services for students on campus.
- Increase the number of available clinical placement sites for nursing students in a medically underserved area.



REACHING OUT TO THE MEDICALLY UNDERSERVED IN GRAND RAPIDS

Grand Valley State University Family Health Center (FHC):

- Patient Demographics:
 - 70.9% white, 14.3% African American, 12.3% Hispanic
 - 34.5% overweight and 10.5% obese (children)

What will this project do?

- Expand the capacity of the FHC to provide access to services for adults and children.
- Increase the number of available clinical placement sites for nursing students in a medically underserved area.



EVALUATION METHODS: DESIGN & SAMPLE

Design:

- A program evaluation design

Sample Inclusion:

- Staff of both nurse managed centers
- Students with clinical rotations at the nurse managed centers
- Patients from both nurse managed centers enrolled in the study



EVALUATION METHODS: MEASUREMENTS

Staff Measures:

- ELIQ (Drynan D. & Murphy S. 2010) baseline
- IPPS (Mariano et al. 1999) baseline
- Demographics (Evaluation team developed tool)
- Misener Nurse Practitioner Job Satisfaction Scale- (Misener T. 2000) baseline
- Program Evaluation Survey (Evaluation team developed tool)
- IPE Training Program Evaluation- adapted from University of Toronto Office of IPE (2007)
- Pre/Post-tests for education modules

Student Measures:

- ELIQ adapted from Drynan D. & Murphy S. (2010)
- IPPS modified from Mariano et al. (1999)
- Demographics
- Program Evaluation Survey (Evaluation team developed tool)
- IPE Training Program Evaluation- adapted from University of Toronto Office of IPE (2007)
- Pre/Post-tests for education modules

Patient Measures:

- Satisfaction with care- <https://cahps.ahrq.gov/surveys-guidance/cg/index.html>
- Clinical Variables (USPSTF adult obesity-overweight screening guidelines)

GOAL 1: KEY ACTIVITIES

- Registry
- Clinical indicators
- Logic model
- IPCP Education Program
- Annual Lunch & Learn Series
- Annual IPE Conference



GOAL 1: KEY ACTIVITIES

Obesity program intervention

■ Clinical indicators:

- Height
- Weight
- Blood pressure
- Body mass index
- Waist circumference
- Sleep
- Water intake
- Smoking
- Exercise
- Diet
- Activity
- Medical diagnosis
- Labs



GOAL 2: KEY ACTIVITIES

- IPCP Student Training
- Case-study Presentations
- Community Projects
 - Campus newsletter
 - Brochure listing area parks and trails
 - Bucket gardening
 - Sugar content beverage board
 - Farmers market activities
- IPCP Surveys
- Program Evaluation



GOAL 3: KEY ACTIVITIES

- Development of E2P (Education to Practice)
- Identify potential partners for IPCP
- MI-AHEC training activities with expansion to all five regional sites
- Adaption of West Michigan Interprofessional Education Initiative training materials to E360 online learning
- Consulting Committee



THANK YOU!



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