Online Outreach: Interprofessional Method to Increase Quality of Care in Rural Areas

Project Director:
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University of Pittsburgh School of Nursing
Presentation Objective:

To present preliminary findings from an interprofessional collaborative practice (IPCP) partnership with community clinics in rural counties to increase quality of substance use prevention and care.
Project Objective:

- To integrate a sustainable and replicable interprofessional collaborative practice for delivering efficient and effective substance use health care in rural areas.

*This project is supported by funds from the Division of Nursing (DN), Bureau of Health Professions (BHPr), Health Resources and Services Administration (HRSA), Department of Health and Human Services (DHHS) under Grant UD7HP25060.*
Significance

- Negative social attitudes about the use of alcohol and illicit drugs make substance use one of the most complex public health issues. (Healthy People 2020)
- 19 million people were in need of but did not receive specialty treatment for drug or alcohol problems
- Cost of excessive Drinking in US was $223.5 Billion
- Cost of illicit Drug Use in US was $193 Billion

SAMHSA (2013)
Screening, Brief Intervention, and Referral to Treatment (SBIRT)

- Public health model provides universal screening
- Detecting risky or hazardous substance use before the onset of abuse or dependence
- Short, valid and reliable evidence-based used within the time constraints of a health visit
- Brief set of questions to assess patient’s alcohol and other drug use risk level
The use of SBIRT in primary care settings is a clinical recommendation by:

- The US Preventive Services Task Force
- The American College of Surgeons
- The Joint Commission
- The Veterans Health Administration

Release Date: May 2013
Who is the project team?

- **Behavioral Health**
  Institute for Research, Education and Training in Addictions (IRETA)

- **Public/Community Health**
  Graduate School of Public Health

- **Nursing**
  School of Nursing
The Team

- Kathryn Puskar, DrPH, RN, FAAN, Professor of Nursing and Psychiatry, *Project Director*
- Ann M. Mitchell, PhD, RN, FAAN, Associate Professor of Nursing and Psychiatry, *Project Coordinator*
- Holly Hagle, PhD, IRETA, *Curriculum Specialist*
- Dawn Lindsey, PhD, IRETA, *Evaluator*
- Linda Frank, PhD, RN, Associate Professor Graduate School of Public Health, *Faculty Expert*
- Susan Albrecht, PhD, RN, FAAN, Associate Professor and Associate Dean School of Nursing, *Faculty Expert*
- Heeyoung Lee, PhD, NP, Assistant Professor and Director of the Primary Care Psychiatric Nurse Practitioner Program, *Faculty Expert*
- Marie Fioravanti, DNP, RN, Instructor, *Project Faculty Nurse Expert*
- Irene Kane PhD, RN, Assistant Professor of Nursing, *Project Expert*
- Kimberly Talcott, MPA, *Project Manager*
Who is involved in the IPCP?

- Nurses
- Public health/Community workers
- Behavioral health counselors
- In Rural Areas
Background

- Pennsylvania is “one of the most rural states in the nation”.
- 28% of the state’s population lives in areas that are categorized as rural
- 48 out of the state’s 67 counties are categorized as “rural”

Source: Pennsylvania Office of Rural Health 2004-05 Annual Report
Rural Sites

Site 1: Greene County, PA
- Persons below poverty level = 15.9%
- Percent uninsured = 10.2%

Who is the team?

Behavioral Health
*Psych NP*
*Inpatient Behavioral Health*

Nursing
*CNO*
*ICU/ED Case Management*

Public/Community Health
*Home Health*
*Ambulatory Care*
Rural Sites

Site 2: Beaver County, PA
- Persons below poverty level = 11.6%
- Percent uninsured = 8.6%

Who is the team?

Behavioral Health
*Outpatient Mental Health*

Nursing
*Inpatient Unit*

Public/Community Health
*Federally Qualified Health Center (FQHC)*
IPCP Project

IPCP Schematic

Intervention Process

Rural Hospitals

Rural Community Health Centers

Rural Substance Abuse Tx Centers

Site Visits

Substance Use Content

Practice-Based Cases

Inter-professional Dialogues

Technical Assistance

Social Media

Focus Group

Interprofessional Substance Use Team Practice

Communication

Substance Use

Roles Responsibilities

Teamwork

Values, ethics

Outcomes:

Patient Satisfaction

Quality of Life

SBIRT Screening

IPCP Model for Rural Healthcare
7 Step Process

1. **Site Visit**
   - To help us learn about the specific patients served at your site and respond to the needs of your healthcare staff and patient population.

2. **Modules**
   - Using a self-paced online module, participants learn about substance use screening and interprofessional roles.

3. **Case Simulations Practice**
   - We'll lead you through scenarios to try out your new skills.

4. **Interprofessional Dialogues with Site Cases**
   - Apply the model you've learned to blinded cases from your site.

5. **Blog**
   - Join our online community for interprofessional collaborative practice updates, videos, and emergent topics from other sites.

6. **Technical Assistance**
   - We'll assist you with issues, cases or situations needed to foster improved patient outcomes.

7. **Evaluation**
   - We'll ask for your feedback on questionnaires and during a focus group.

8 total hours over 3 months
Screen Shots from Online Portal

- David, 35, y/o white male, works at a local warehouse.
- David does not have any medical or psychiatric history.
- He was diagnosed with fibromyalgia 2 months ago and has been experiencing intense shooting pain in both arms and legs, his neck, shoulders, and back.
Online Modules

1. Intro to Project
2. Continuum of Use
3. SBIRT
4. Motivational Interviewing Strategies
5. Practicing IPCP
6. Project Partners
Case Simulations Practice

- David – pain meds with alcohol use
- Carla – tobacco cessation and pregnancy
- Fred – alcohol use, untreated diabetes, pain medication after accident
- Tina – occasional marijuana use, asthma, does not have a primary care provider
Evaluation Measures

- SBIRT Knowledge Scale
- Cultural Competence Assessment
- Alcohol and Alcohol Problems Perception Questionnaire (AAPPQ)
- Drug and Drug Problems Perception Questionnaire (DDPPQ)
- Interdisciplinary Education Perception Scale (IEPS)
- Readiness for Interprofessional Learning Scale (RIPLS)
- Evaluation Checklist
- Client Satisfaction Questionnaire (CSQ)
- SF8 Health Survey
Please rate how likely you would be to utilize the following interprofessional collaborative competencies during your daily practice.

<table>
<thead>
<tr>
<th>Competency</th>
<th>Very Unlikely</th>
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<th>Likely</th>
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<tbody>
<tr>
<td>1. Collaborate effectively with your interprofessional team</td>
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<td>2. Communicate effectively with your interprofessional team</td>
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<td>3. Share in decision-making with your interprofessional team</td>
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<td>4. Dialogue with team members</td>
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<td>5. Voice knowledge of role of nurse, public health professional or community health worker, and behavioral health worker</td>
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<td>6. Problem-solve as a team</td>
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<td>7. Actively participate in team-based care</td>
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<td>8. Voice knowledge of value of nurse, public health professional or community health worker, and behavioral health worker</td>
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<td>9. Engage in interprofessional communication</td>
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<td>10. Demonstrate interprofessional teamwork</td>
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<td>11. Aware of intersection of individual &amp; team responsibility</td>
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<td>12. Conduct SBIRT screenings</td>
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13. How many SBIRT screenings have you conducted to date:
   - 1) 10+ patients
   - 2) Five to nine patients
   - 3) One to four patients
   - 4) None

14. How often do you use interprofessional collaborative practice competencies in your practice?
   - 1) 10+ times per day
   - 2) Five to nine times per day
   - 3) One to four times per day
   - 4) Never
   - 5) Other; specify: ____________________________
REDCap (Research Electronic Data Capture)

Study data is collected and managed using REDCap electronic data capture tools hosted at the University of Pittsburgh
Alcohol & Alcohol Problem Perceptions;
29-item 5-point Likert scale
(1 = Strongly Agree, 5 = Strongly Disagree)

Baseline (N=46)  Post-training (N=9)
Drug & Drug Problem Perceptions; 22-item 5-point Likert scale
(1 = Strongly Agree, 5 = Strongly Disagree)

- Adequate Knowledge and Skills
- Legitimate Role in This Work
- Adequate Professional Support
- Task-specific Motivation
- Task-specific Self-esteem
- Expect Work to be Satisfying

Baseline (N=46) vs. Post-training (N=9)
Readiness for InterProfessional Learning; 22-items 5-point Likert Scale
(1 = Strongly Agree, 5 = Strongly Disagree)

- Baseline (N=46)
- Post-training (N=4)
Interdisciplinary Education Perception; 18-item 6-point Likert Scale
(1 = Strongly Agree, 6 = Strongly Disagree)

- Baseline (N=47)
- Post-training (N=4)

Professional Competence and Autonomy
Perceived Need for Professional Cooperation
Perception of Actual Inter-Professional Cooperation
Understanding the Value and Contributions of Other Professions
Challenges

- Online Design
- Rural Site Recruitment
  Incentives: CEU’s, Computer Champions
Evidence-Based Practice Award

- Advances evidence-based practice through work in integrating knowledge and evidence in practice.
- Influences health of individuals and communities by bringing together professionals from various disciplines and roles.
- Engages researchers, clinicians, patients and families.

- Award for SBIRT to Puskar & Mitchell 2013
Publications by Team


Publications by Team


To enroll...

- ireta.org/ipcp

- nursing.pitt.edu/academics/ce/SBIRT.jsp
Addictions Training for Nurses

- Training manual, presentation powerpoints, and tools are available at no cost to download for education use.

- Email krp12@pitt.edu for more information.
Questions?

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