



NATIONAL CENTER for  
INTERPROFESSIONAL  
PRACTICE and EDUCATION

June 18, 2016

# BEST PRACTICES IN INTERPROFESSIONAL TEACHING METHODS:

## TOOLS AND RESOURCES FROM THE NATIONAL CENTER

Barbara F. Brandt, PhD, Director

Associate Vice President for Education, Academic Health Center

# Today's Presentation: nexusipe.org

BUILDING A NEXUS FOR BETTER CARE, ADDED VALUE AND HEALTHIER COMMUNITIES

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*Applications due June 17, 2016*



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*Accelerating the development of  
interprofessional initiatives in  
community-based clinical settings*

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to accelerate the development of creative, robust



**ATBH•VIII**

September 6-9, 2016-Oxford, UK



All Together Better Health (ATBH) VIII will build on  
the content of previous ATBH conferences,

# Topics for Today

- National Center overview
- Current health care environment
- Get to know NexusIPE.org and the National Center Resource Center
- Resources at your fingertips:
  - NexusIPE.org profile, groups, and professional network
  - Resource Center: presentations, journal articles, measurements



# National Center Overview



# Are we in Health Professions Education Focused on the “Prize?”

## Learner Pipeline

*Today I owe:*



## Health Workforce for New Models of Care

How do we create a health workforce in the right locations, specialties and practice settings that has the skills and competencies needed to meet the demands of a transformed health care system while preventing burnout?

## Patients, Families & Communities

How do we improve the patient experience of care, improve the health of populations, and reduce the per capita cost of health care simultaneously?



# National Center Vision

We believe high-functioning teams can improve the experience, outcomes and costs of health care.

National Center for Interprofessional Practice and Education is studying and advancing the way stakeholders in health work and learn together.

## ***National Center Funders***

Health Resources and Services Administration Cooperative Agreement  
Award No. UE5HP25067

Robert Wood Johnson Foundation

Gordon and Betty Moore Foundation

Josiah Macy Jr. Foundation

John A. Hartford Foundation



# Interprofessional Education and Collaborative Practice = The “New IPE” – Interprofessional Practice and Education

**Interprofessional education** “occurs when two or more professions learn with, about, and from each other to enable effective collaboration and improve health outcomes.”

**Interprofessional, collaborative practice** “occurs when multiple health workers **and students** from different professional backgrounds provide comprehensive health services by working with patients, their families, carers (caregivers), and communities to deliver the highest quality of care across settings.”

*Adapted from:*

*The Centre for the Advancement of Interprofessional Education, UK, 1987*

*World Health Organization, Framework for Action on Interprofessional Education and Collaborative Practice, 2010.*





# What is *Not* IPE: Shared Learning





# National Center Strategies

- Resource Center Engagement Tools
- Webinars, presentations, workshops, training
- Peer-reviewed publications and reports
- Nexus Innovations Network – Research
- National Center Data Repository
- Organizational consultations



# What is going on in the United States?

## Practice Game Changers – addressing inefficiencies, cost, errors

- **Goal:**
- **Provide patients with more comprehensive, accessible, coordinated and high quality care at lower costs**
- **Greater emphasis on primary, preventive and “upstream” care**
- **Care is integrated between:**
  - **primary care, medical sub-specialties, home health agencies and nursing homes**
  - **health care system and community-based social services**
  - **Accountable health communities**
- **Electronic health records used to monitor patient and population health—increased use of data for risk-stratification and hot spotting**
- **Interventions focused at both patient- and population-level**
- **Move toward “risk-based” and “value-based” payment models**



# Big Picture: Reframing, retooling and retraining

## 1970 Barriers

Low status of primary care



Specialization & sub-specialization



Nurse practitioners, Physicians Assistants, Clinical Pharmacists



Little interest in health care processes



Little evidence for teamwork



## Today

Redesign around primary care, prevention, population health

Impact of moving from fee-for-service to global payments?

The right worker partnering with patients, families and communities. How not the who

Quality & systems improvement leading to outcomes

Growing evidence for teamwork





## RESOURCE CENTER

# Interprofessional Education and Collaborative Practice: Welcome to the "New" Forty-Year Old Field

Resource Type: Journal Article 

Since 1999, the United States (U.S.) healthcare delivery system has been transforming in profound and fundamental ways.



1,109



125



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### RELATED RESOURCES

*At the time of publication:*

*Dr. Brandt is Director, National Center for Interprofessional Practice and Education University of Minnesota and Associate Vice President for Education, University of Minnesota Academic Health Center Professor, Pharmaceutical Care and Health Systems.*

*She presented a keynote address on this topic at the NAAHP 2014 meeting in San Francisco.*

*Address correspondence to [brandt@umn.edu](mailto:brandt@umn.edu).*

### References

1. Kohn, L. T., Corrigan, J., & Donaldson, M. S. (2000). *To err is human: Building a safer health system*. Washington, DC: National Academy Press.
2. Institute of Medicine (U.S.).

## Welcome to the "New" Forty-Year Old Field

### Introduction

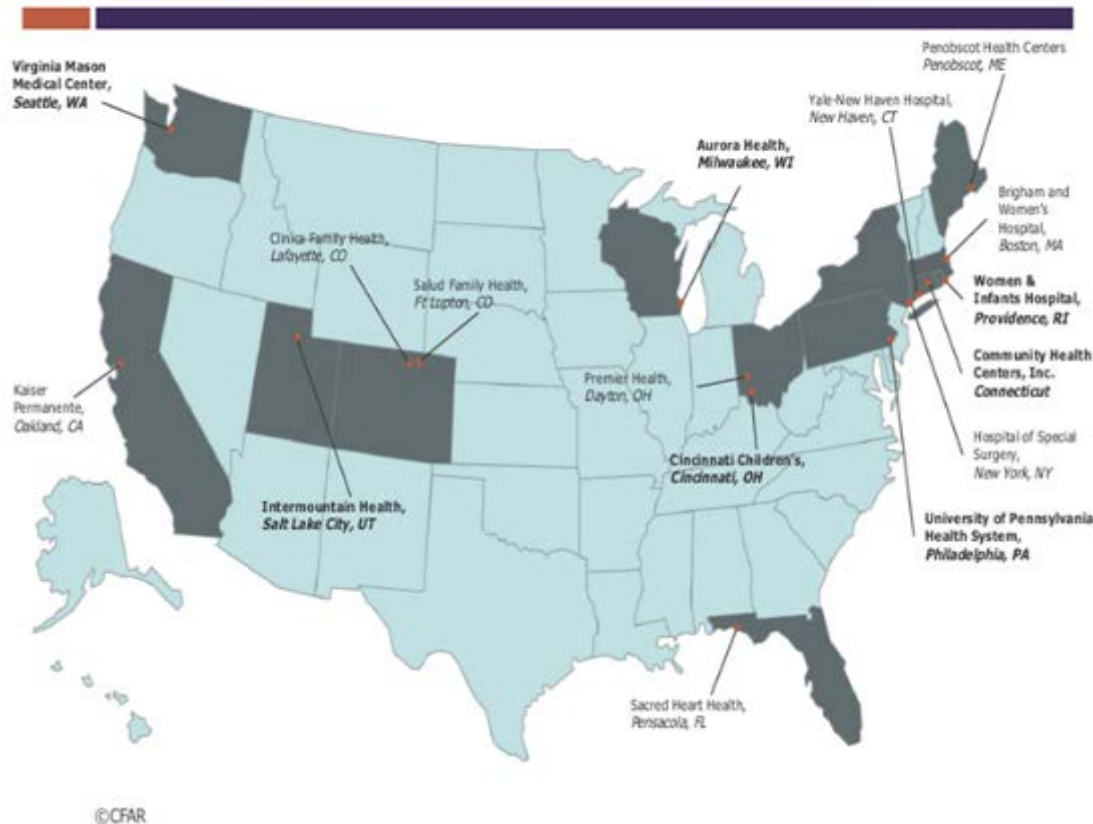
*professions education*<sup>2, 3</sup>. These reports introduced concerns about the quality of the U.S. healthcare system and the inability of health professionals to work together in teams. The lack of teamwork, collaboration and communication skills is implicated in a wide range of adverse patient and health outcomes in the world's most costly – by far – health system<sup>4</sup>. As U.S. healthcare leaders responded and led transformation, recognition grew that the graduates of health professions schools may be technically competent but are not ready to practice in today's evolving health system<sup>2</sup>. Therefore, many healthcare leaders and educators are calling for "new" models of education: interprofessional education (IPE) linked to collaborative practice and team-based care<sup>5</sup>. Concurrently since 2010, while the Affordable Care Act (ACA) grabs headlines, remarkable and historic developments are occurring in both healthcare delivery systems and health professions education to transform both. These developments will impact today's undergraduate advisees and professional students who advance into health careers. Many planned changes and rapid disruptive innovations in healthcare are creating a new U.S. healthcare system that is not yet well understood.

The purposes of this paper are to describe the seismic shifts in healthcare creating calls for interprofessional education and collaborative practice (IPECP) and to provide references and resources to enable advisors, faculty, and students of the health professions to keep abreast of

# Success factors in Promising IP Collaboration Practices

## Robert Wood Johnson Foundation

### Learning From On-the-Ground Practice



- Put patients first
- Demonstrate leadership commitment
- Create a level playing field
- Cultivate team communication
- Explore the use of organizational structure
- Train different disciplines together





# Lessons from the Field: Promising Interprofessional Collaboration Practices

## RESOURCE CENTER

### Lessons from the Field: Promising Interprofessional Collaboration Practices

This Robert Wood Johnson Foundation report, "Lessons from the Field: Promising Interprofessional Collaboration Practices," details the experiences of four care entities as they worked to implement interprofessional collaboration practices.

The report details the experiences of four care entities as they worked to implement interprofessional collaboration practices. The report also considers the challenges and opportunities associated with these practices.

Approaches to implementing interprofessional collaboration practices include:


- Promote a culture of collaboration
- Demonstrate the value of collaboration
- Create a shared vision and mission
- Use shared governance
- Train the workforce

The report describes a model that can look to the report for practical tips, inspiration, and methods that have worked for others.

The video below highlights several of these approaches in more detail.

For more information on the report, please contact Melissa Blair: [media@rwjf.org](mailto:media@rwjf.org).

**Author(s):**  
CFAR, Inc.  
Jennifer Teneille, CM, FACHE



## LESSONS FROM THE FIELD

### Promising Interprofessional Collaboration Practices

A Project of the Robert Wood Johnson Foundation

#### USER COLLECTIONS

- [Make a new list](#)



## Core Competencies for Interprofessional Collaborative Practice

Sponsored by the Interprofessional Education Collaborative\*

Informing > R

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### Competency Domains

1. Values/Ethics
2. Roles/Responsibilities
3. Interprofessional Communication
4. Teams and Teamwork

Report of an Expert Panel  
May 2011

\*IPEC sponsors:  
American Association of  
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Colleges of Osteopathic Medicine  
American Association of  
Colleges of Pharmacy  
American Dental Education Association  
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American Medical Colleges  
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# Overview of National Center Tools

<https://nexusipe.org/informing/resource-center>

[asknexus@umn.edu](mailto:asknexus@umn.edu)





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### Interprofessional Practice and Education in FQHCs

This presentation is from the Community Health Partners webinar on March 30, 2016. During the webinar, Barbara F. Brandt, PhD, Director of the National Center for Interprofessional Practice and Education, led a discussion of the National Center's work in...



Barbara Brandt

Mar 30, 2016



Presentation



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# Resource Types – Can Search by Type



Audio



Video



Tool



Journal  
Article



Conference  
Paper



Case Study



Report



Book  
Chapter



Webinar



Other



Book



Unpublished  
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Curriculum



Presentation



# Sorting by Resource Type: Tool

Informing > Resource Center

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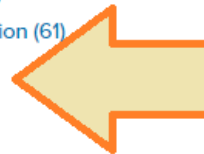
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## Development of the Assessment for Collaborative Environments (ACE-15): A Tool to Measure Perceptions of Interprofessional "Teamness"

As interprofessional education moves from classroom to clinical settings, assessing clinical training sites for a high level of "teamness" to ensure optimal learning environments is critical but often problematic ahead of student placement. We developed...

May 11, 2016



Tool



152 views



0 comments



Virginia Tilden



# Related Resources

- Resources are linked to other resources based on connected content
- Encourages browsing and discovery

## RESOURCE CENTER

### Developing simulation-based interprofessional education: Nursing and SLP students.

Resource Type: Journal Article


This is an article published in the International Journal of Nursing & Clinical Practices. Online access is available through the provided link.






**Author(s):**  
Noureddine, Nassrine  
Hegge, Darla  
Brady, Debra

**Link to Resource:**  
[http://www.graphyonline.com/journal/journal\\_article\\_inpress.php?journal...](http://www.graphyonline.com/journal/journal_article_inpress.php?journal...)






**Subject:**  
Assessment & Evaluation  
Collaborative Practice  
Education & Learning

Submitted by California Inte... on Jun 7, 2016  
- 5:47pm CDT





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#### RELATED RESOURCES

- Performance Measurement in Simulation-Based Training: A Review and Best Practices
- Using Multiple Patient Simulations to Facilitate Interprofessional Communication Between Dietetic and Nursing Students and Improve Nutrition Care Process Skills
- Nurses' perceptions of simulation-based interprofessional training program for rapid response and code blue events
- Interprofessional simulated learning: Short-term associations between simulation and interprofessional collaboration
- British Columbia interprofessional model for simulation-based education in health care: a network of simulation sites



# Connecting



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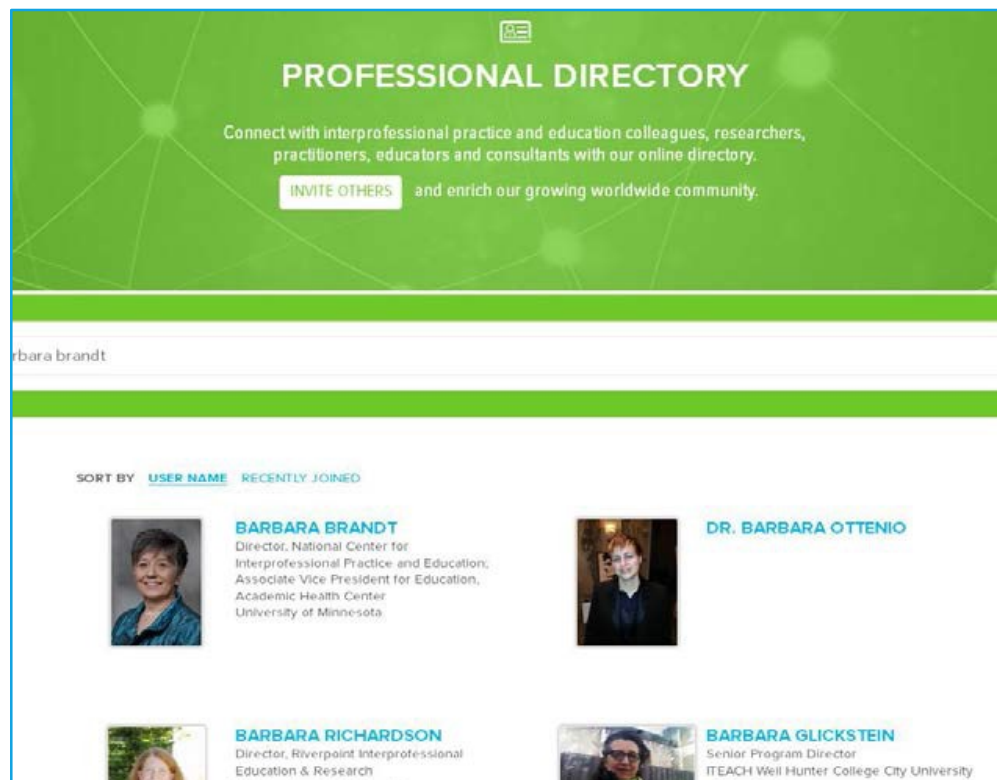




# Professional Directory

<https://nexusipe.org/connecting/professional-directory>

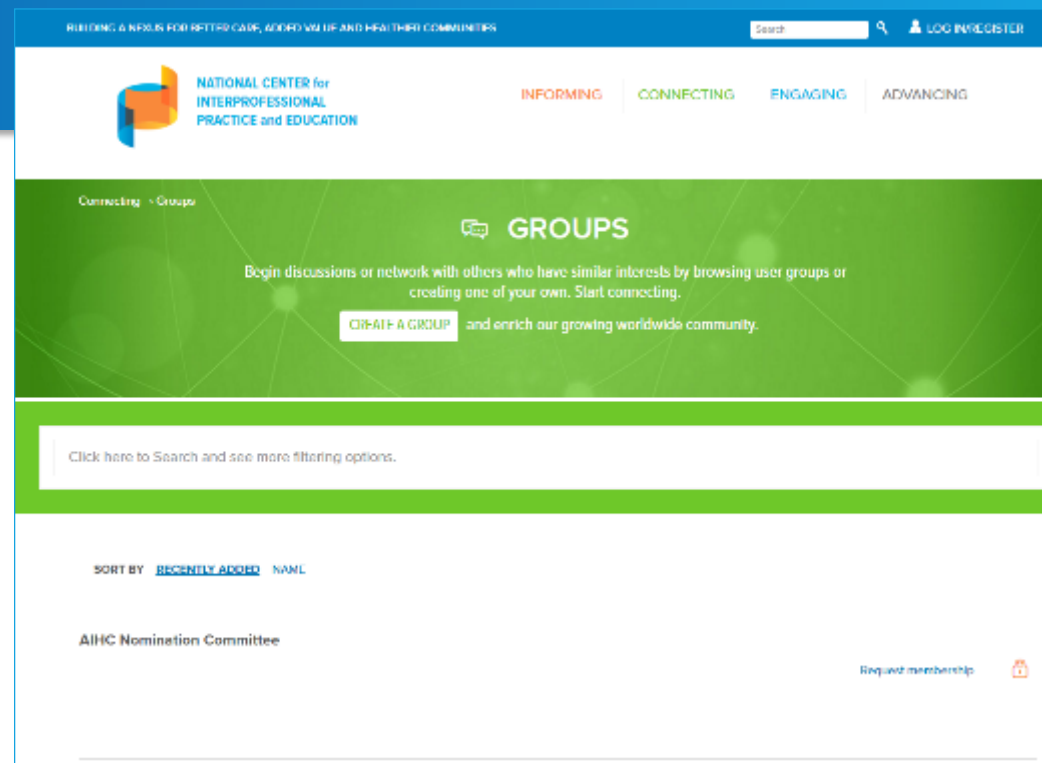
- Connect with IPE colleagues, researchers, practitioners, educators and consultants with the online directory
- Members can make their voice heard
- Network with colleagues
- Participate in groups and comments
- Contribute to the Resource Center
- Access exclusive resources



# Groups

<https://nexusipe.org/connecting/groups>

- Only profile members can join groups
- Private and Public
  - Private groups are accessible and visible only to group members
  - Public groups are open to any site users
- Examples:
  - Ask an IPE Expert
  - New Research and Literature
  - Nexus Innovations Network Site Specific



# User Collections

- User collections allow users to gather and organize resources from the resource center
- Opportunity to showcase different resources

Connecting » User Collections

## USER COLLECTIONS

Browse other interprofessional practice and education colleagues' personal "favorites" – resources, articles, tools, groups and beyond – and post your own collection for others.

Create a List

List title

Owner

Apply

User Collections	Owner
National Center Resource Briefs	Andy Pollen
Amina in the Nexus Resources	Andy Pollen
PCPCC: Stories from the Nexus: Podcast Series Explores Interprofessional Training in Primary Care	Meghan Rosenkranz
A Roadmap for Patients and Family Engagement in Healthcare	Elizabeth Clark
Learning Modules	Melanie Yousefi
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# Engaging



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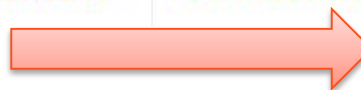
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# Nexus Learning System

- A growing collection of interactive activities, modules, courses and resources focused on the Nexus and the skills needed to engage in interprofessional practice and education.
- Includes:
  - Preceptors in the Nexus
  - Amina in the Nexus
  - Archived webinars
  - Evaluation tools
  - Many other tools for all levels of IPE implementation



Webinar



Tool



# Amina in the Nexus

<https://nexusipe.org/engaging/learning-system/amina-nexus-0>

- National Center's vision for health care delivery in the United States
- Align health care redesign and IPE to achieve the Triple Aim
- Video and resources
  - Interactive & narrated
  - Facilitation guides
  - PowerPoints



# Carl in the Nexus



# Preceptors in the Nexus Toolkit

Engaging > Learning System > Preceptors in the Nexus Toolkit

## NEXUS LEARNING SYSTEM

### Preceptors in the Nexus Toolkit



Submitted by

Ready to transform your curriculum?

### WHAT YOU'LL GET

A wide array of tools that support preceptor development opportunities of the tools in a variety of ways:

- web-based modules
- active-learning materials
- interprofessional education
- interprofessional collaboration

### WHO THIS TOOLKIT IS FOR

This toolkit will help preceptors champion interprofessional practice and education at their clinical site.

Please note that a National Center user account is required to access the online modules.



Get started with

Build a foundation for interprofessional education

- Complete or partial implementation
- Consider using the toolkit as a resource

This toolkit will help preceptors in any healthcare profession who wish to precept in champion interprofessional practice and education at their clinical site.

Please note that a National Center user account is required to access the online modules.



Preceptor as Learner ?

Online Modules	Group Learning Activities
An Introduction to Interprofessional Collaboration	Madness to Mastery
Facilitating Interprofessional Discussions: Best Practices	Role Play Cards
Interprofessional Precepting: Best Practices	Objective Structured Clinical Examination
Enhancing Interprofessional Practice and Education at Your Site	Madness to Mastery



Preceptor as Interprofessional Educator ?

Educational Tools
Interprofessional Crucial Conversations/Conflict Resolution
Interprofessional Agents of Change
Interprofessional Team Evaluation
Interprofessional Journal/Book Club
Interprofessional Pandora's Box
Interprofessional Standardized Patient Simulation
Interprofessional Quality Improvement
Interprofessional Debriefing Guides



Preceptor as

Practice Transfer
Interprofessional
National Models
Practice Transfer



# IPE Conferences and Events Calendar

- National Center events, webinars
- AIHC Webinars
- IPE-related conferences
- Collaborating Across Borders



**LEARNING TOGETHER**  
**at the NEXUS:**  
**National Center Summit**  
**on the FUTURE OF IPE**

Engaging > Conferences & Events

## CONFERENCES & EVENTS

Our calendar lists upcoming interprofessional practice and education-related events, conferences and calls for abstracts from around the world. View the calendar or submit your own entry.

[Submit your Event](#)

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August 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

Train the Trainer Faculty Development Program University of Washington, August 16, 2016

Integrating Learning Together at the Nexus: National Center Summit on the Future of IPE (10:00am)

Hilton Minneapolis, August 21 – 23, 2016



August 21-23  
Hilton Minneapolis

Convened by the National Center for Interprofessional Practice and Education  
& co-hosted by the American Interprofessional Health Collaborative



# Learning Together at the Nexus: National Center Summit on the Future of IPE

2016

Convened by the National Center for Interprofessional Practice & Education

Co-hosted with the American Interprofessional Health Collaborative

Sunday, August 21 - Tuesday, August 23, 2016

Hilton Minneapolis

Learning Together at the Nexus: Join Us



LEARNING TOGETHER  
AT THE NEXUS

AUGUST 21-23, 2016



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## ABOUT THE SUMMIT:

The National Center is seeking practice and education stakeholders from across the continuums of care and education to join us and contribute your energy and ideas. In nearly 100 affiliated projects, the National Center team is learning important research-based lessons about the Nexus – linking interprofessional education and transforming health care to improve health outcomes. By capitalizing on momentum, the summit will provide participants the opportunity to learn in skills-based workshops while co-creating a roadman to the ideal future of interprofessional practice and education (IPE) during

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The National Center for Interprofessional Practice and Education is supported by a Health Resources and Services Administration Cooperative Agreement Award No. UE5HP25067. The National Center is also funded in part by the Josiah Macy Jr. Foundation, the Robert Wood Johnson Foundation, the Gordon and Betty Moore Foundation, The John A. Hartford Foundation and the University of Minnesota.

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MAJOR ARTICLE

# Virtual TeamSTEPPS® Simulations Produce Teamwork Attitude Changes Among Health Professions Students

Linda I. Sweigart, MSN, APRN; Rachel A. Umoren, MS; Patrician J. Scott, PhD, OT, FAOTA; Kay Hodson Carlton, EdD, RN, ANEF, FAAN; James A. Jones, PhD; Barbara Truman, PhD; Evalyn J. Gossett, MSN, RN

Journal of Nursing Education

January 2016 - Volume 55 · Issue 1: 31-35

Posted January 19, 2016

DOI: 10.3928/01484834-20151214-08

 READ/SUBMIT COMMENTS  EMAIL  PRINT  SAVE    

Abstract

Article

References

## Abstract

### BACKGROUND:

The majority of the estimated 400,000 or more patient deaths per year in the United States are from preventable medical errors due to poor communication. Team training programs have been established to teach teamwork skills to health professions students. However, it is often challenging to provide this training at a physical site. A brief intervention using a virtual learning environment with TeamSTEPPS®-based scenarios is described.

### Related Content

A Contemporary Method to Teach Collaboration to Students ...

Interprofessional Education: A

James A. Jones  
Barbara Truman

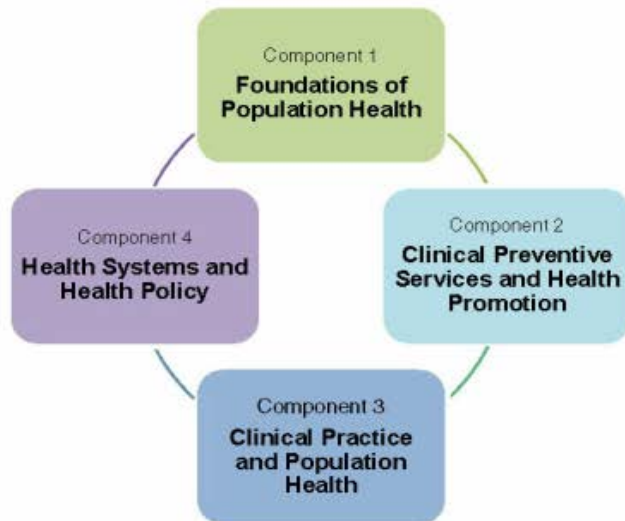
### METHOD:

Using a pretest–posttest design, the effects on teamwork attitudes in 109 health professional students from two institutions and multiple disciplines were measured using the TeamSTEPPS Teamwork Attitudes questionnaire.



# Other Toolkits and Resources: Clinical

## CLINICAL PREVENTION & POPULATION HEALTH CURRICULUM FRAMEWORK

[Home](#)[About](#)[Components](#)[Resources](#)

The Clinical Prevention and Population Health Curriculum Framework provides a common core of knowledge for clinical health professions about individual and population-oriented prevention and health promotion efforts. The Framework can support interprofessional prevention education and practice.

The Framework consists of four (4) components and 23 domains, with each domain including topic areas and illustrative examples.

**Foundations of  
Population Health**

**Clinical Preventive  
Services & Health  
Promotion**

**Clinical Practice &  
Population Health**

**Health Systems &  
Health Policy**



# Other Toolkits and Resources: Innovations in Oral Health Toolkit

Informing > Resource Center > Innovations in Oral Health Toolkit

## What's Inside



Print

### What's Inside

- ☒ Chapter 1. Introducing the IOH Toolkit
- ☒ Chapter 2. Are You Ready?
- ☒ Chapter 3. Create Awareness and Secure Support
- ☒ Chapter 4. Faculty Development
- ☒ Chapter 5. Simulation Learning
- ☒ Chapter 6. Case-Based Learning
- ☒ Chapter 7. Service Learning
- ☒ Chapter 8. Cooperative Education

### Web-Based Resources



Teamwork

Northeastern University  
Health Center of Oral Sciences

Submitted by [Innovations in ...](#) on Apr 6, 2016  
- 8:41am CDT



# Other Toolkits and Resources: What About Ben?



teamwork



Submitted by University of M... on Sep 23, 2015  
- 8:21am CDT

- [Make a new list](#)



# Other Toolkits and Resources: Labeling Activity – Care Conference

Informing > Resource Center > Labeling Activity - Care Conference

## RESOURCE CENTER

### Labeling Activity - Care Conference

Resource Type: Curriculum



This activity will engage students in a care conference while struggling with the labels that direct how others treat them during the care conference. Each member is given a role to play in the care conference that is visible to all team members. They are also given a label dictating how they should be treated by the team members that only the other students on the team can see. The patient care conference is then followed by a guided debriefing.

The activity is based on the Labelling/Stereotype Exercise created by the University of Toronto.

**Author(s):**

Brian Sick

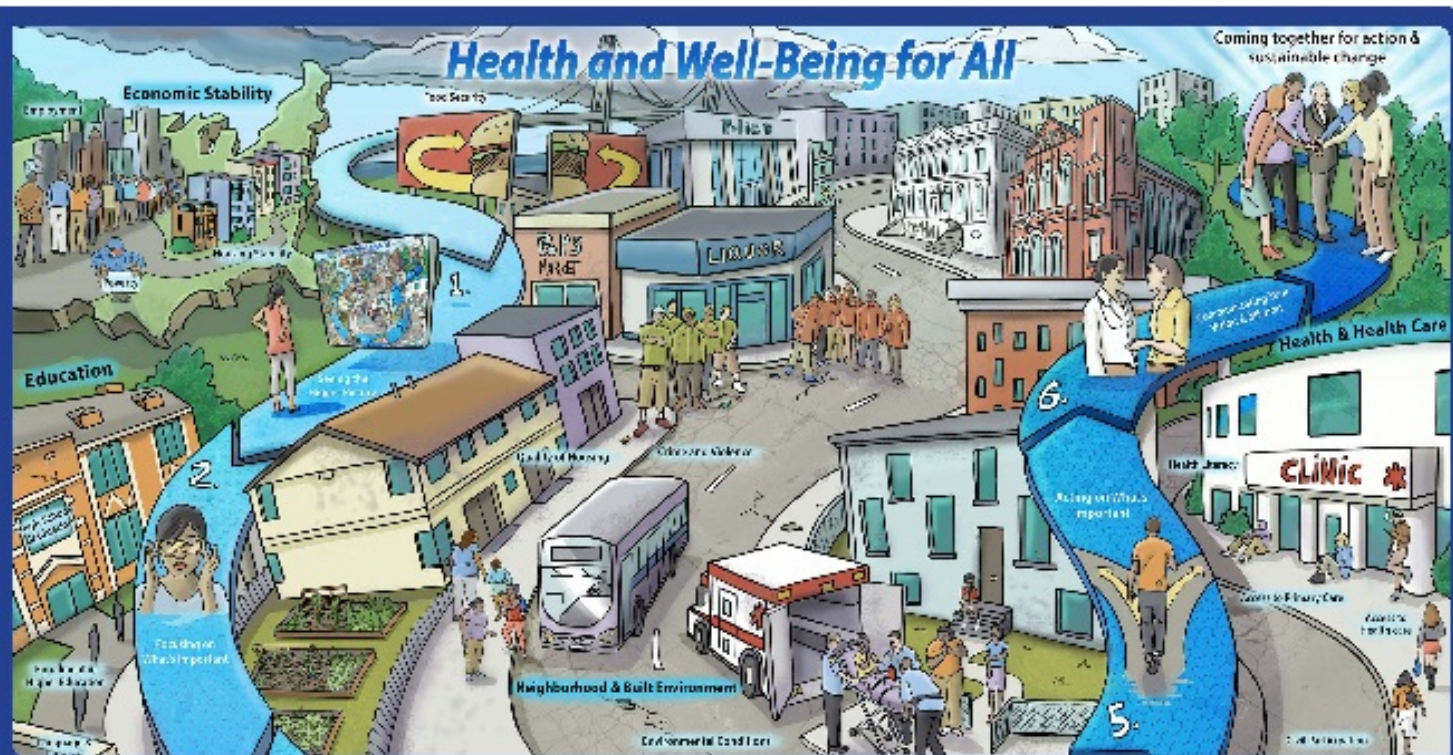
**Upload File:**



Labeling Activity for Care Conference.pdf



## Other Toolkits and Resources: CDC's Health and Wellbeing for All Meeting in a Box



## Health and Well-Being for All

## Meeting-in-a-Box



# Assessment and Evaluation







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## for Exemplary Interprofessional Practice and Education

Applications due June 17, 2016



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The inaugural Learning Together at the Nexus:

<http://www.nexus.org/education/assessment-evaluation>

### Accelerating Interprofessional Community-Based Education and Practice

*Accelerating the development of  
interprofessional initiatives in  
community-based clinical settings*

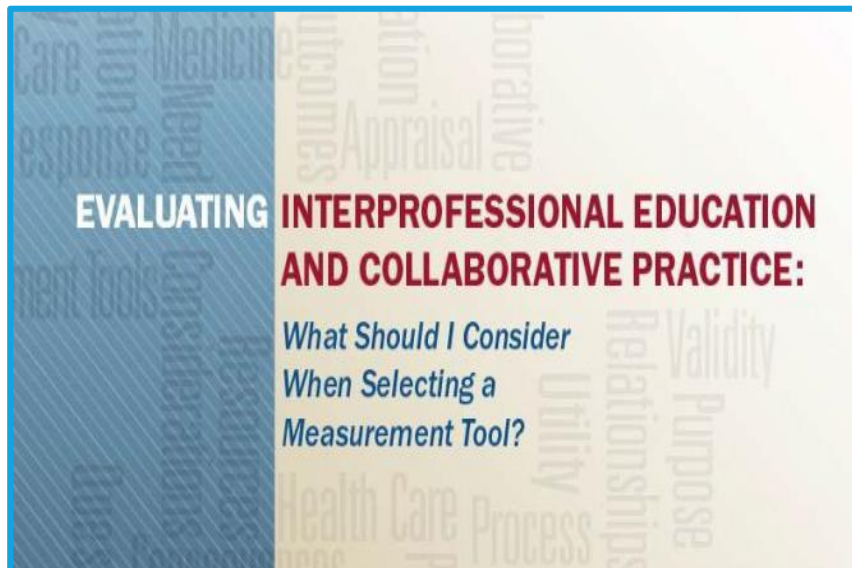
The National Center is soliciting proposals designed to accelerate the development of creative, robust

**ATBH•VIII**

September 6-9, 2016-Oxford, UK

All Together Better Health (ATBH) VIII will build on the content of previous ATBH conferences,

# Assessment and Evaluation: Measurement Tools



- Initially selected 26 instruments to assess IPECP
- “Primer” on IPECP Assessment is available to assist in selecting the correct tool
- Answers the questions:
  - How do I know what to use to measure IPECP?
  - How can I select the right tool?
  - What tool(s) do you recommend?



# Advancing





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## Accelerating Interprofessional Community-Based Education and Practice

*Accelerating the development of  
interprofessional initiatives in  
community-based clinical settings*

The National Center is soliciting proposals designed to accelerate the development of creative, robust interprofessional initiatives in community-based clinical settings.

August 21-23  
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## Learning Together at the Nexus: National Center Summit

The inaugural Learning Together at the Nexus: National Center summit on the Future of IPE will focus on developing interprofessional initiatives in community-based clinical settings.

## ATBH•VIII

September 6-9, 2016-Oxford, UK



All Together Better Health (ATBH) VIII will build on the content of previous ATBH conferences, focusing the attention of professionals in the field of interprofessional practice.



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## Notification Settings

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Note: Separate from our standard news and announcements, if you post in the forum or comment on articles, our website will send a daily summary email of any replies other people leave about your posts or comments. That email will include a link to turn off those notifications if you wish.

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- **Network with colleagues.** Explore our professional directory to connect colleagues and experts. General information, including name, profession and organization, is required. You can also enhance your profile with a picture, biography, skills and interests and social media links.
- **Join the conversation.** Participate in discussions, through groups and comments, about topics related to interprofessional practice and education.
- **Contribute to the Resource Center.** Upload and share papers, presentations, videos and many other types of files to an easily searchable public database.

## PRIVACY POLICY

Your privacy is important to us. Our full privacy policy is available at the link below, but in a nutshell:

- When registering for a personal user profile, we only ask for your name, email, profession and affiliated organization. This information is public in order to identify you as you post on our forums, comment on stories and perform other actions on the website.
- You may choose to enhance your user profile by publicly providing other information as you see fit. This is purely optional.
- We will NEVER sell or give your data to third parties.

[Full Privacy Policy](#)

# Summary

- Changing health care requires new teaching and learning.
- New competencies required in health professions education.
- Undergraduates can and should be prepared to practice in interprofessional teams.
- Many instructional tools are available at [nexusipe.org](http://nexusipe.org).



Questions or need assistance?

[asknexus@umn.edu](mailto:asknexus@umn.edu)



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