November 1, 2017

IPE: “A Great Truth Waiting for Scientific Confirmation”

Barbara F. Brandt, PhD, Director
Webinar for the HRSA Primary Care Training and Enhancement Program grantees
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 and residents 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
What We Value:
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 Founders and Funders_

Health Resources and Services Administration Cooperative Agreement Award No. UE5HP25067

Gordon and Betty Moore Foundation
Josiah Macy Jr. Foundation
Robert Wood Johnson Foundation
University of Minnesota
John A. Hartford Foundation
The Nexus

Creating a deeply connected, integrated learning system to transform education and care together
A coordinating center for interprofessional education and collaborative practice will provide leadership, scholarship, evidence, coordination, and national visibility to advance interprofessional education and practice as a viable and efficient health care delivery model. (p.4)

“Unbiased, neutral convener”
**Thought Leadership**

**Strategic Imperative:** Shape the future of the field among key stakeholders across practice, education and policy by simultaneously sharing new knowledge and testing emerging theories in practical environments through a network of affiliates and ambassadors.

**Education and Training**

**Strategic Imperative:** Utilize cutting-edge knowledge through data, experience and expertise to create an innovative Nexus Learning System to share the latest learning and tools.

**Knowledge Generation**

**Strategic Imperative:** Facilitate evidence-based research approaches to inform practice and learning in real time using standardized processes, scholarly dissemination.

**Resource Center**

**Strategic Imperative:** Leverage institutional and community expertise in a robust framework to serve the end-user in the vanguard of interprofessional practice and education.
Knowledge Generation

Advancing the Field
- critical success factors
- learning resources
- IPE implementation tools
- standardized measures

Original Research
- movement toward advanced analytics
- peer-reviewed research

Nexus Innovations Network
- Nexus implementation
- comparative effectiveness research
- learning community

Lean Startup

Education and Training

Resource Center

Thought Leadership

Knowledge Generation
Synergy: IOM Model as Workplan Framework

**FIGURE: The interprofessional learning continuum (IPLC) model**

- **Learning Continuum (Formal and Informal):**
  - Foundational Education
  - Graduate Education
  - Continuing Professional Development

- **Enabling or Interfering Factors:**
  - Professional culture
  - Institutional culture
  - Workforce policy
  - Financing policy

- **Learning Outcomes:**
  - Reaction
  - Attitudes/perceptions
  - Knowledge/skills
  - Collaborative behavior
  - Performance in practice

- **Health and System Outcomes:**
  - Individual health
  - Population/public health
  - Organizational change
  - System efficiencies
  - Cost effectiveness

**NOTE:** For this model, “graduate education” encompasses any advanced formal or supervised health professions training taking place between completion of foundational education and entry into unsupervised practice.
Leadership in Knowledge Generation

Connie Delaney, PhD, RN, FAAN, FACMI, FNAP
Professor and Dean, School of Nursing
University of Minnesota

- Fellow, College of Medical Informatics
- Former Acting Director, University of MN Institute for Health Informatics
- Inaugural appointee, USA Health Information Technology Policy Committee, HHS Office of the National Coordinator
- Active researcher and writer in areas of national data and information technology standards development, integrative informatics, outcomes/safety, big data and data analytics, translational science
A Growing National Network

2012 Vision
Up to 10 “incubators”

2017 Highlights
• 33 states
• 73 sites
• 107 projects
National Center Data Repository (NCDR)

Data Infrastructure

- Online Surveys
- Outcome Data
- Project Management Data
- Reports
- Data Extraction

Role-Based Access Management

PHI Compliant Environment || Secure Data Transfer & Storage || Role-Based Access || Encrypted DB
Compliant with IRB || Health Info Privacy & Compliance Office || Center of Exc. for HIPAA Data
What Have We Learned?
Emerging Critical Success Factors

- Process of care redesign is about changing culture.
- Compelling vision is required.
- IP+E resourcing is critical.
- Senior leadership is essential.
- Impressions of team training effectiveness are mixed.

The Application of Informatics in Delineating the Proof of Concept for Creating Knowledge of the Value Added by Interprofessional Practice and Education. Healthcare 2015, 3, 1158-1173.
Changing Models

Development
Expertise and dependence

Scaffolding & Support

Interdependence
Engagement and standardization
Designing the Core Essential Data Set

Building upon depth and breadth of what has been learned, we are committed to:

• **Data reduction** based on what we have learned
• Using existing **standardized measures** when available
• Incorporating other **key requirements** into streamlined surveys
• Providing **real-time access** to your data with comparable national reference points
• Integrating outcomes data into **core data set** – working toward BIG data
Nexus Learning System

1. Compelling Vision
2. Nexus Team
3. Nexus Stakeholders
4. Organize
5. Programs & Practices
6. Knowledge Generation in the Network

Nexus Learning System
The Resource Center Nexus:
A unique space of shared value that brings together demonstrated expertise and new beginnings.

Resource Center

Education and Training
- Community Engagement
  - vibrant discussion platform for burning issues
  - unbiased, neutral convener
  - professional directory empowers connections

Outreach
- sharing IPE stories
- empowering ambassadors to spread the word
- connecting needs with available resources
- growing the community and meeting people where they are

Resources and Expertise
- leading-edge resources designed and curated in response to emerging trends and needs
- data-informed usability analyses for continuous quality improvement

Thought Leadership

Knowledge Generation
- vibrant discussion platform for burning issues
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The Resource Center Nexus:
A unique space of shared value that brings together demonstrated expertise and new beginnings.
Nexusipe.org Registered Users

Registered Users

- Y2: 1,036
- Y3: 1,986
- Y4: 3,975
- Y5: 5,137

+ 1 Million Page Views Since Launch
150K Unique Viewers
20K New Viewers Each Quarter
Assessment & Evaluation

Our mission is to promote best practices in assessment and evaluation within the interprofessional education and collaborative practice communities.
Number One Request: “Assessment”

- Evolution of the measurement collection
- Importance of research on linkages between education, practice, and Triple Aim (cost, quality, patient experience)

2014
- Community generated open source exchange
- 26 tools in curated collection

2017
- Building community capacity
Education and Training

Strategic Collaborations
- Program collaborations to address specific needs (custom and standard)
- Modular content for flexibility in use
- Expanding the bench, utilizing broad base of expertise

Curated Expertise
- responsive consultations on leadership, organizational models
- faculty development approaches to ensure IPE sustainability

Nexus Learning System
- training series tailored to organizational developmental strategies and adapted based on current learning
- tools and resources to address spectrum of IPE needs

Thought Leadership

Resource Center

Knowledge Generation
Upcoming Learning Opportunities
Minneapolis: Info on Nexusipe.org

Defining Your Nexus: Building the Foundation for Aligning Practice and Education

Preceptors in the Nexus:
Interprofessional Learning IN Practice

Interprofessional Big Data: Harnessing the power and opportunity to support interprofessional solutions

November 16-17, 2017
Registration open!

March 2-3, 2018
Registration open!

April 4-5, 2018
Registration open!
Education and Training Offerings

T3 Train-the-Trainer: Interprofessional Faculty Development Program

Three-and-a-half days of in-person training preparing health professions faculty and collaborative practice clinicians from all professions to lead IPE efforts and promote team-based care.

April 18-21, 2018, University of Virginia
May 7-10, 2018, University of Washington
May 15-18, 2018, University of Missouri
Register Now
Go to nexusipe.org for a comprehensive list of dates and locations