



2009 Workshop

**The Health Information Technology Scholars Workshop
2009
March 5-7
Indiana University - Purdue University at Indianapolis (IUPUI)
University Place Conference Center and Hotel**

Purpose: This workshop is designed to provide Scholars an opportunity to envision the future of healthcare delivery in order to design, implement, evaluate and disseminate innovative educational strategies that will prepare graduates for contemporary practice in an information rich and complex healthcare environment.

Objectives: Participants will be able to:

- Analyze the need for technology enriched educational environments.
- Explore emerging and converging technologies to enhance nursing education and practice.
- Refine a technology specific curriculum project to implement at your institution.
- Develop strategies for leading curriculum change in your respective institutions.
- Use various metrics for evaluating outcomes of innovations in education.
- Network with colleagues who have similar passions for implementing technology advances in the curriculum.

8:00 – 8:30 a.m.

Continental Breakfast and Networking

8:30 – 8:40 a.m.

Welcome

Marion E. Broome, PhD, RN, FAAN
Dean and Distinguished Professor
Indiana University School of Nursing

8:40 – 9:15 a.m.

Introductions and Overview

Pamela Jeffries, DSN, RN, FAAN, ANEF
Helen Connors, PhD, RN, FAAN

9:15 – 10:00 a.m.

Preparing Nurses for the Age of Convergence

Objectives

1. Describe the convergence of information technologies, biotechnologies, nanotechnologies and cognitive technologies.
2. Examine strategies to prepare nurses in this technological savvy world
3. Identify strategies to assess the impact of technology on nursing and consumer-centric personalized health care.

Diane Skiba, PhD, FAAN, FACMI

10:00 – 10:10 a.m.

Transit Break

10:10 – 11:00 a.m.

Telehealth in the Veterans Healthcare Administration

Objectives:

1. Review some of the many applications of health information technology with the VHA
2. Describe some of the nursing roles related to health information technology and the resultant implications for curriculum development.

Linda Foster, MSN, RN
Quality Manager VHA Office of Care Coordination

11:00 – 11:10 a.m.

Transit Break

11:10 – 12:00 p.m.

E Learning Tools

Objectives

1. Describe four current E-Learning technologies (podcasting, wikis, blogs, and interactive games).
2. Learn resources available to support E-Learning.
3. Discuss how to best incorporate E-Learning in your courses.

Eugenia Hernandez, PhD
Associate Professor and Chair of Computer and Information Technology

12:00 – 1:00 p.m.

Networking and Lunch with Respective Groups & Facilitators: Bistro

1:15 – 2:00 p.m.

Evidence-Based Teaching Using Simulations

Objectives:

1. Define evidenced-based teaching.
2. Discuss challenges facing educators as they develop evidence-based teaching strategies.
3. Describe examples of evidenced-based findings used in nursing education today.
4. Identify five infrastructure components needed when implementing simulations into a nursing curriculum.

Pamela Jeffries, DSN, RN, FAAN, ANEF

2:00 – 2:10 p.m.

Transit Break

2:10 – 3:00 p.m.

Social Networking

Richard L. Edwards, PhD
Assistant Professor Media and Art Sciences
New Media Program
IU School of Informatics

3:00 – 3:15 p.m.

Break

3:15 – 4:00 p.m.

PDA's/Mobile Computing Devices: Data at Your Fingertips

Objectives:

1. Discuss the changes and current technology available in mobile computing devices.
2. Describe resources available for use on mobile computing devices.
3. Describe how the mobile computing devices could support development of QSEN competencies in your students.

Barbara Manz Friesth, DNS, RN
Clinical Associate Professor and Director of Learning Resources, IU School of Nursing

4:00 – 4:30 p.m.

Transit to IU School of Nursing

4:30 – 5:30 p.m.

Sharing of Projects and Discussion with Group Facilitators: IU School of Nursing

- Diane Skiba: IUSON Room NU 227
- Diane Billings: IUSON Room NU 228
- Pamela Jeffries: IUSON Room NU 233
- Helen Connors: IUSON Room 232
- Mary Ann Rizzolo: IUSON Room 229

5:15 – 6:30 p.m.

IU School of Nursing Reception and Tour: IUSON Room 127

7:30 – 8:15 a.m.

Continental Breakfast and Networking

8:15 – 9:00 a.m.

Quality and Safety in Education (QSEN) Project

Objectives:

- 1) Describe the Quality and Safety Education for Nurses (QSEN) program
- 2) Discuss the competencies of quality and safety and their relationship to informatics competencies
- 3) Explore opportunity for developing informatics competence in your curriculum

Judith Warren, PhD, RN, FAAN, FACMI
Christine A. Hartley Centennial Professor, School of Nursing
Coordinator of the Graduate Health Informatics Track
SEEDS Program Director
Director of Nursing Informatics, KUMC Center for Health Informatics

9:00 – 9:10 a.m.

Transit Break

9:10 – 10:10 a.m.

Integrating Informatics in the Curriculum: Simulated E-hHealth Delivery System (SEEDS)

Objectives:

- 1) Describe a partnership for integrating the EHR in the curriculum
- 2) Discuss best practices for implementing SEEDS
- 3) Explore opportunity for developing informatics competencies in your curriculum

Judith Warren, PhD, RN, FAAN, FACMI

10:10 – 10:30 a.m.

Break

10:30 – 11:30 a.m.

Going Inworld to Health-Related Simulations in Second Life

Objectives:

- 1) Gain a basic understanding of the potential that virtual worlds such as Second Life hold for health-related teaching.
- 2) Explore what different health-care professionals have developed in Second Life.
- 3) Gain a basic understanding of what is involved in taking students "inworld."

Robert Vernon, PhD, MSW
IU School of Social Work at Indiana University-Purdue University at Indianapolis

Darlene Lynch, PhD, LCSW
IU School of Social Work at Indiana University – Gary, Indiana

11:45 a.m. – 12:45 p.m.

Networking and Lunch: Bistro

1:00 p.m.

Ready for departure for field experiences: Lobby of University Place Hotel

1:10 – 2:00 p.m.

Transit to field experiences

2:00. – 4:15 p.m.

Field Experiences (5 locations)

Resource Center for Innovation in Clinical Nursing Education (RCICNE) at IU School of Nursing:

The RCICNE is a state of the art learning lab which includes a flexible open teaching space with 10 acute care cubicles, 6 physical assessment exam rooms, 4 simulation rooms with complete audio and video capturing capabilities, two small computer labs, and one classroom.

This field experience includes a tour of the RCICNE with an interactive simulation experience. A live simulation will be demonstrated. Participants will have guided, hands on time with simulation equipment and the audio/visual recording system. Participants will also have an opportunity to trial components of a simulation they may be developing, or participate in running existing scenarios.

Richard S. Roudebush VA Hospital: Care Coordination General Telehealth (CCGT) and the Electronic Medical Record (EMR) (IUPUI campus):

Care Coordination General Telehealth (CCGT) involves video conferencing, sometimes with supportive peripheral devices, to provide care and consultation between clinics and hospitals, and hospitals and other hospitals. CCGT encompasses a wide variety of clinical applications that require or somehow benefit from real time interactive video between the patient and provider. Common CCGT applications in VHA include: mental health, rehabilitation, pre- and post-operative surgical care, neurology, dermatology, spinal cord injury, pharmacy, etc.

In developing general telehealth, VHA has focused on the needs of veteran patients as the main driver to prioritize areas of care. Current focus areas include: Polytrauma, Telemental Health, Telerehabilitation and Telesurgery.

VA has been recognized as a leader in electronic charting. All caregivers chart electronically which has decreased errors in order transcription, verification of orders, and communication issues. In addition to charting inpatient services, outpatient services is also supported with electronic charting. The VA was first in developing the Bar Code Medication Delivery System and continues to develop and improve safe practice in medication delivery. IMED consent is an additional electronic format used to provide patient education and to complete consent forms.

IUPUI Advanced Visualization Lab and IU School of Informatics (IUPUI campus):

Indiana University's Advanced Visualization Lab (AVL) provides advanced scientific visualization, virtual reality, high-end computer graphics, and visual collaboration, including high-end graphics workstations and clusters, very high resolution displays, telecollaboration systems, haptic feedback devices, and projection-based virtual reality devices including the Virtual Reality Theater and the John-e-Box. This field experience will include a tour of the AVL-managed facility at IUPUI, an overview of the advanced visualization technologies used by AVL partners for research and education, and include time to discuss potential uses of these advanced technologies to improve nursing education and science.

The session at the School of Informatics will provide an overview and demonstration of the Social Assets and Vulnerabilities Indicators (SAVI) Community Information System and its potential uses in nursing education. Developed and managed by the Polis Center at IUPUI, SAVI is one of the leading community information systems in the U.S.; it supports the access, mapping, and analysis of community-level information from approximately 30 local, state, and federal sources.

Clarian Health Partners (Methodist Hospital & Fairbanks Hall)

- **Dashboard Project:** This session includes a tour of B5/C5, a Renal Metabolic unit at Clarian's Methodist Hospital using the Dashboard for tracking patient and data specific to weight and vaccine completion data. The nursing executive will provide background on the development of the Dashboard, as well as the current benefits/outcomes and anticipated further development for use in management of resource allocation and quality of care delivery.

- ***E-ICU***: The E-ICU solution uses proprietary early warning software and electronic monitoring to connect and provide off-site critical care nurses and intensivists with the data needed to proactively care for ICU patients.
- ***Fairbanks Hall***: Fairbanks Hall, an education and resource center, houses a state-of-the-art simulation center. This facility is a collaboration of Clarian Health Partners, the Indiana University School of Medicine and the Indiana University School of Nursing. The state-of-the-art simulation center will offer clinical training for IU nursing, medical and allied health students, clinical orientation of Clarian nurses, simulation training for staff physicians and residents. The simulation center will enhance patient care, patient safety and clinical outcomes.

A skills learning area and simulation areas including an operating room, emergency room, patient care room, obstetrical rooms, intensive care unit rooms and debriefing rooms, and other training and classrooms will be included in the center to provide real-time virtual training for clinicians.

Practice Education Partnership: Use of informatics (Community Hospital North):

This session includes a tour of the two PEP (Practice -Education Partnership) units—Ortho-Neuro-Spine with the Joint Health unit, and G2 Surgical, with 48 beds in pods of Bariatric surgery, Gynecological surgery, Colon/rectal surgery, and Genitourinary surgery. Computers in patient rooms and other areas are included, as well as the clinical information system, bed management software, Vocera communication system, and computerized access badges.

5:00 p.m.

Return from field experiences

6:15 – 8:30 p.m.

Dinner: Group discussion of field experiences with all scholars and facilitators: President’s Room on the second floor of University Place Hotel

Saturday March 7, 2009: University Place Conference Center Room 137

7:30 – 8:15 a.m.

Breakfast and Networking

8:15 – 9:30 a.m.

Group Discussion with Facilitators

9:30 – 9:40 a.m.

Transit Break

9:40 – 10:40 a.m.

Armchair Quarterback: Using Student Clinical Tracking Software

Objectives:

- 1) Describe the functions of a clinical tracking software program
- 2) Use clinical tracking software to monitor student progress.
- 3) Explain how data collection from clinical tracking software can benefit academic programs

Julie Settles, MSN

Clinical Assistant Professor IU School of Nursing

10:40 – 10:50 a.m.

Transit Break

10:50 – 11:45 a.m.

Scholar’s Project Sharing & Discussion with all scholars

11:45 – 12:00 p.m.

Final summary of workshop and evaluation