Success Stories of Interprofessional Education in Quality and Safety at the Point of Care: The Colorado Experience

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Acknowledging the contributions of...

• Mark Earnest, MD, PhD
  – Director, Interprofessional Education

• Wendy Madigosky, MD, MSPH
  – Macy Faculty Scholar
Objectives

• Describe quality and safety IPE experiences at the University of Colorado
• Identify challenges in the implementation of IPE
• Describe direction for the future

Intentionality

Involvement

Integration
Fitzsimons Army Medical Hospital

- 557 Acre campus
- Caught in a round of base closures 1996
- Given to the University of Colorado Health Sciences Center to develop a new campus
Vision for a Campus

- Planning Process: Interprofessional faculty … with an interprofessional vision
- Three Zones: Education, Research, Clinical Care

The Anschutz Medical Campus

- Designed for Interprofessional Education
  - Physical Plant Shared by schools, not owned
  - Common classrooms, centrally scheduled
  - Faculty and admin offices share buildings
  - Common community space for students, not segregated lounges
- The result of an Intentional Planning process
Involvement

New Campus  … now what?

Diffuse Ideas  Integrated Plan

Bricks and Mortar  Effective Curriculum
In the College of Nursing…

How do we bridge the practice/education gap?

Quality and Safety Education for Nursing (QSEN) Competencies

• Patient-centered care
• Teamwork and Collaboration
• Evidence-based practice
• Quality Improvement
• Safety
• Informatics
Milestones in the IPE Journey

1997
- Ethics Interprofessional Orientation

2007
- QSEN New Campus

2008
- Interprofessional Space

2009
- REACH IHI/Macy

2011
- Health Mentors

2013
- Nexus Summit

Retooling for Quality and Safety: A Collaborative Project

The Josiah Macy Jr. Foundation

Children's Hospital Colorado

School of Medicine

College of Nursing
Initial Curricular Interventions

- IHI Open School Modules
- UCH
- CHCO

Real-Time QI Projects

Team STEPPS

IPE Simulation
Two Approaches

Improvement Activities

Prevention of Patient Falls
Patient-Centered Communication
Using Whiteboards
Improving ICU to Unit Transitions
Prevention of Decubitus Ulcers
Improving Discharge Process

Patient identification
Handoffs
Hand hygiene
Bar Code Medication Administration
# Lessons Learned

**Children’s**

- IP experiences are feasible but require coordination
- Staff commitment from the QPS department has enabled continued work
- Students learned by collecting and analyzing data; work contributed to the whole

**University**

- Intense interest by nursing students; used random selection for inclusion
- Participation was required for nursing students but voluntary for 4th year sub-I's
- IP student project presentations during grand rounds stimulated great discussion and interest among IP staff

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**Integration**
Current Work in Quality & Safety Education

Quality and Safety Education for Nurses (QSEN) Initiative
- CU College of Nursing (CON) faculty expertise
- Framework for CON Curricular revision

Institute for Healthcare Quality, Safety and Effectiveness (IHQSE)
- Certificate Training Program

UC Denver Chapter of the IHI Open School

Curricular development within REACH

Moving Toward the Nexus
Competency Domains to Advance the Triple Aim

- Provide patient-centered care
- Practice evidence-based, cost-effective care
- Work in interprofessional teams
- Improve population health
- Improve quality and patient safety
- Practice evidence-based, cost-effective care
- Provide patient-centered care
- Practice evidence-based, cost-effective care
- Work in interprofessional teams
- Improve population health
- Improve quality and patient safety

Summary Report: Aligning Education and Practice to Advance the Triple Aim, Feb. 2013

LONGITUDINAL CURRICULUM STEPS: Fundamentals for COLLABORATIVE PRACTICE

- CLINICAL TEAM INTEGRATION
- CLINICAL TRANSFORMATIONS
- ETHICS SESSIONS YR 1
- ETHICS SESSIONS YR 2
- IPE Fundamentals (CORE)
- CO-CURRICULAR: Student Academic Communities

- Clinic Site Team Learning Modules
- Independent Learning
- TeamSTEPPS Curriculum
- Interactive Simulated Learning
- Half Day Seminars
- Team Based Learning Modules & Events
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- Intergroup Exercise
- Interprofessional Orientation Day

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Intentionality

Involvement

Integration

Thank you

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