

DOCTOR OF NURSING
PRACTICE PROGRAMS

transforming lives

The DNP as a Leader in Developing Interprofessional Collaboration for Practice, Research and Education

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OLD DOMINION UNIVERSITY
COLLEGE OF HEALTH SCIENCES
SCHOOL OF NURSING

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EASTERN
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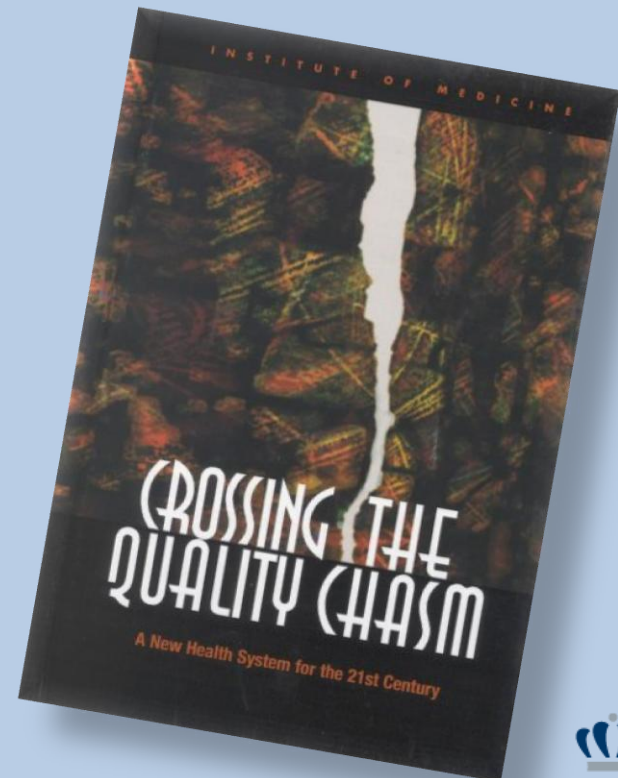



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IDEA FUSION

IOM call for Change

- Crossing the Quality Chasm (2001)

- Rapidly increasing changes in healthcare (chronicity, aging population)
- Redesign of healthcare system
- Health Profession Education Summit
- Provider Competencies needed
 - Patient-centered care
 - Interdisciplinary teams
 - EBP
 - Quality improvement
 - Informatics



World Health Organization

- Study Group on Interprofessional Education and Collaborative Practice.
- “Students of **two of more health care professions** learn with, from and about each other to enhance collaboration (WHO, 2006).
- WHO first identified interprofessional education as an important component of primary health care in **1978**

WHO (2010)

- “Amplifying the IOM report, the World Health Organization (2010) recommends moving toward embedding interprofessional education and practice in all health services to mitigate the Global Health Workforce Crisis”.

Affordable Care Act

- Improve Access to Affordable Healthcare
 - Signed into law March 23, 2010
 - Not sure of impact
 - Will increase those seeking healthcare
 - There has been a decrease in the providers in rural and underserved areas.
 - Strain on healthcare system



IPEC Document

- The Interprofessional Education Collaborative Expert Panel (2011) identified four core interprofessional competencies that are linked to the five IOM core competencies for all health professionals.
- Medicine
- Dentistry
- Nursing

IPEC Core Competencies for Interprofessional Collaborative Practice

- 1: Values/Ethics for Interprofessional Practice
- 2: Roles/Responsibilities
- 3: Interprofessional Communication
- 4: Teams and Teamwork



Educational Criteria

- Tied to accreditation
 - MSN & DNP Essentials V and VII
 - Competencies for medical school
 - Physical Therapy Essentials

Healthcare Has to Change

- Highest Costs
- Limited Access
- Shortage of Providers
- Poor Outcomes



Interprofessional Barriers

- **Hesitancy**: not friendly to Interprofessional Collaboration
 - Fight for moneys, prestige, control, space
 - Silos
 - Competition
 - “Collaboration”
 - **Fish out of water**



INTERPROFESSIONAL PRACTICE

- Patient Centered Homes
- Chronic Disease
- Rehabilitation
- Rurality
- Geriatrics



Barriers to Interprofessional Collaboration in Practice

- **Role Conflict:** Hierarchy
- **Understanding:** Your role and the role of others
- **Respect:** Taking time to discover and accept what is brought to the table
- **Openness:** Willing to share what know and don't know

Interprofessional Clinical Teams

- **Geriatric Assessment Team**

- Patient/caregiver care
- Physician, NP, PharmD, Social Worker
- Assessment of frail elderly individual and caregiver
- Developed Treatment Plan

- **Diabetes Team**

- Provider Education/Practice
- Research (team impact)
- Physician, NP Researcher, NP Diabetes educator, Chaplain, Psychologist



HRSA Funding (Education)

- Department of Health and Human Services
Advanced Practice Nursing Program
- Sept 2012-August 2015
- \$1,046,157
- Co-PI's:
 - Nursing (NP)
 - DPT
 - Dental Hygiene
 - Clinical Counseling



HRSA Grant

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HRSA Grant

- Goals of project
 - Develop **interprofessional collaborations**.
 - Provide **curriculum** appropriate for different healthcare backgrounds.
 - Provide assignments that increase students ability to work interprofessionally.
 - Utilize technology to link various disciplines at a distance.

Who would participate?

- Several different disciplines were considered:
(At Old Dominion University and nearby schools)
 - Nursing
 - Physical Therapy
 - Dental Hygiene
 - Counseling
 - Medicine
 - Physician Assistant



Final Four

• Nursing	43	
– FNP, WHNP, CNS		
• Dental Hygiene	7	
– MS		
• Counseling	22	
– MS, PhD		
• Physical Therapy	40	
– DPT		
TOTAL	112	students

Coming Together

- Starting Fall 2012
 - Faculty from Nursing, Dental Hygiene, Physical Therapy and Counseling meet to work on project.
 - Meet **1 or 2 times a month**, email frequently.
 - Work in pairs to develop course content; get feedback from other disciplines.
 - Learn about each other's disciplines and strengths.
 - Become familiar with the IPEC report.
 - Borrowed from each others science and literature.

Previous Experience

- The majority of students indicated that they did not have any previous experience with interprofessional education.

Yes I have had experience	
Counseling	1
Dental	0
Nursing	3
PT	7

Challenges

- Each discipline required course to be evaluated by *curriculum committee*.
- Each discipline had different *credit hour* requirements and grading scales.
 - Dental Hygiene & Counseling 3 credits
 - Nursing 2 credits
 - Physical Therapy 1 credit
- Course delivered only via *on-line* format, not familiar experience for all students.



Strengths

- Health Promotion course was already *well developed* in current NP curriculum.
- Other disciplines agreed it was *valuable* and *important topic*.
- It was *on-line* course.
- Students in the nursing, counseling, and dental hygiene programs are located throughout Virginia.

Health Promotion Didactics

- Topics that were relevant for the varying disciplines were chosen for presentation
 - Appropriate for all disciplines
 - Topics covered:
 - Theories and IPEC report
 - Environmental & Sociocultural Influences
 - Family, Spiritual & Religious influences
 - Assessment & Health promotion for the different age groups (infant → older adult)
 - Death & Dying



Health Promotion Didactics

- Provided using various on-line modalities
 - Narrated slides
 - Videostreamed interviews
 - Articles from varying disciplines



Assignments

- 4 Discussion boards
 - All students
- 3 Projects
 - Participation varied



Discussion Boards

- **Case.**

- Joey is 8 yo with CP. Admitted to skills center after hospitalization for pneumonia.
- Now has trouble ambulating, eating, and poor night of sleep.
- Mother anxious, feeling a failure

- **Problem.**

- DH, PT, Counselor & NP show up in room at same time.
- DH needs to take child for oral evaluation impacting eating
- PT needs to take child for PT evaluation
- Counseling is trying to console mother
- NP feels child need to rest due to poor night sleep
- Have competing responsibilities

Discussion Boards

- Assignment.
 - Grouping:
 - 10 from differing disciplines in teach group
 - Posted initial post and then two responses to others posts
 - Initial post:
 - Which IPEC Competencies have been compromised?
 - Who should take precedence and why?
 - How can they use the IPEC competencies to develop a plan that works?
 - Response:
 - Feedback on the initial post

Projects

- Three projects were developed
 - Students were assigned to projects depending on how many credit hours required for their course.
 - PT students = 1 project
 - Nursing students = 2 projects
 - DH students = 3 projects
 - Counseling students = 3 projects

Projects (continued)

- Projects had 4-5 students from *different* disciplines in each group.
- 20 groups.
- Each project had different goals.
 - Develop interprofessional presentation (PowerPoint) on health promotion topic
 - Collaborate on using technology (Skype, Twitter, Google Chat, Facebook group) to develop Telehealth project to be delivered at a distance

What we learned so far....

- Performed mid-semester course evaluation and made adjustments.
- Text may not fit all disciplines well – move to on-line and journal resources.
- Students all participate but not at same level.
- Students already report new understanding of what other professions do.
- Faculty have learned a great deal!

Geriatrics Course

- **Didactics** on care of elderly populations
- **Standardized patient** encounter
 - Interview patient/caregiver recently released from hospital after having a stroke
 - Interprofessional assessment
 - Assessment of potential use of technology
 - Technology modules (telehealth, social media, clinical decision support, EHR)
- **Project**
 - Develop a joint plan of care from a distance that incorporates technology

Leadership Course

- Leadership course for Fall 2013 semester
- Emotional Intelligence
- Behavioral Tendencies
- Collaboration
- Conflict resolution (Awareness Wheel)



Other Schools

- Physical Assessment Classes
- NP run clinic that interfaces with dental
- Service Learning
 - Mission Trips (Nursing & PT)
 - Service learning school association health maintenance and teaching
 - Simulated cases presented on line and respond to them – simulated grand rounds – develop plan – algorithm

Interprofessional Roles in Research

- Content expert (s)
- Research Methodology
- Access
- Technology
- Visionary

Interprofessional Research

- DNP Capstone Projects
 - Diabetes
 - Telehealth Stroke
 - Geriatric Home Health
 - Homebound Frail Children
 - Sleep
 - Development of Pediatric Care Clinic

Interprofessional Research

- **ARDRAF** – Virtual Healthcare Neighborhood
- **PI** – Gerontological Nurse Practitioner/DNP
- **Co-PIs** - Counseling, Dental Hygiene, Physical Therapy, Computer Specialist, PhD researcher
- Web-based community



It Is Our Time



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Future for Healthcare