

DOCTOR OF NURSING  
PRACTICE PROGRAMS

*transforming lives*

# **Uniting Four Universities and Eight Professions to Transform Interprofessional Collaboration and Practice**

**Tina Haney, DNP, CNS  
Karen Kott, PhD, PT**



# HRSA

---

"These projects are/were supported in part by funds from the Division of Nursing (DN), Bureaus of Health Professions (BHPr), Health Resources and Services Administration (HRSA), Department of Health and Human Services (DHHS) under grant number D09HP09076, "Interprofessional Education for Advanced Practice Nurses" for \$1,120,3200. The information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by the Division of Nursing, BHPr, HRSA, DHHS or the U.S. Government"

# Objectives

---

- 1) Describe the infrastructure of the built
- 2) Discuss student outcomes

# Call for and Difficulty with IPE

- Educating health care professionals to provide patient-centered care
- Programs developed that:
  - introduce students to roles and responsibilities
  - provide experiential opportunities to work together
- BUT
  - Lack of integration between education programs
  - Competing interests; Rigorous curricular needs
  - Schools with limited healthcare professional programs

# Faculty Champions

---

- **Nursing**
- **Physical Therapy**
- **Clinical Counseling**
- **Dental Hygiene**



# If You Build It They Will Come

---

- Old Dominion University
- Eastern Virginia Medical School
- Hampton University
- Virginia Wesleyan College



# Health Care Professionals (n=170)

---

- Nursing - FNP, CNS (MSN & PhD) (*n=20*)
- Dental Hygiene- (MS) (*n=4*)
- Physical Therapy -(DPT) (*n=32*)
- Mental Clinical Counseling (MS & PhD) (*n=10*)
- Athletic Training (MS) (*n=2*)
- 4<sup>th</sup> Year Medical Students (*n=60*)
- Pharmacy (PharmD) (*n=16*)
- Other (*Speech Language Pathology etc.* ) (*n= 26*)

# 2-Week Rotation

---

## 2-Week Rotation

- Goal: To bring students from different professions and different universities together to break down silos

- Phases

- Phase 1: Virtually based knowledge acquisition
- Phase 2: Face to face emersion + Telehealth
- Phase 3: Virtually based application of knowledge



# Nuts and Bolts of Infrastructure

---

- Once a month rotation
- Faculty share work-load
- Each faculty member “owns” a part of the program
- Each program manages student requirements differently:
  - Scheduling
  - Requirements
  - Grading

# Student Outcomes

---

- Student outcomes assessed by variety of tools
  - Team Careplan focus Goal Area
    - Oral report
  - Pre and Post Survey Questions
    - IEPS: Interdisciplinary Education Perception Scale
    - Telehealth Etiquette Survey
  - Review of teams created website or mobile application
    - Oral Report; Rubric

# Careplan

---

- 69-year old African American female with multiple chronic conditions
- Recent stroke
- Right-sided weakness
- Aphasia
- Isolated from family



# Survey Results

Measurement N=79 pairs (46%)	Pre Mean SD	Post Mean SD	P-value and Effect Size
IINTERDISCIPLINARY EDUCATION PERCEPTION SCALE	1.9(.30)	1.8 (.30)	.008 ES=.33
TELEHEALTH ETIQUETTE	1.7 (.39)	1.4 (.39)	.0001 ES=.75

# Examples of Student Projects

---

- **Website**

- Support for Patients with Prosthetics
- Diabetes Management

- **Applications**

- Understanding Medical Research
- Medical Transportation Support
- Osteogenic Sarcoma Teen Support

# Student Comments

---

- “I have never had a team experience that has worked better”
- The experience helped to develop my intercollaborative communication skills”
- “Allowed for team learning, IP collaboration, and critical thinking skills”
- “Loved working with other health professionals, facilitating critical thinking, working with complex cases”
- “Realism, variety, having more than one person to talk to, working as a team”
- “The feedback from faculty from different professions”

# Changes-Measurement

- Need for valid and reliable tools to measure teamwork during the rotation  
e.g. Interprofessional Attitudes Scale
- Need to report psychometrics for Telehealth Etiquette Tool

# Overview

---

- High satisfaction from both students and faculty per comments
- Rapid team growth
- Rapid development of interprofessional skills
- Realistic and safe learning environment
- Students are able to create team based projects virtually in less than one week



---

# QUESTIONS??

---