

INTEGRATING SIMULATION IN DNP EDUCATION TO PROMOTE PUBLIC & POPULATION HEALTH ON THE NAVAJO NATION

Funding: HRSA Grant # U4EHP39475-01-00. Simulation-based education in Navajo Nation and rural northern Arizona

Kim Gould, DNP, RN-FNP-C
Northern Arizona University
1315 E. Sandhill Lane
Clarkdale, AZ 86326
Kimberly.gould@nau.edu



Project Purpose

Strengthen the capacity of DNP graduates to address public & population health needs on the Navajo Nation and rural Northern AZ.

Project Goals

1. Develop graduate faculty champions & simulation educators.
2. Integrate teaching & leaning strategies using simulation to advance DNP student knowledge & skills in public & population health and telehealth.
3. Strengthen community partnerships.
4. Establish relationships in the community.
5. Facilitate development & implementation of evidence-based DNP projects that impact the Navajo Nation and rural populations.
6. Collect useful data from program evaluation.

Navajo Nation

Large remote geographic area

High burden of chronic disease

High poverty & low income

Lower educational levels

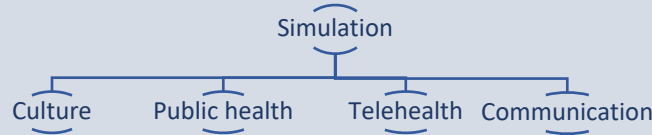
Low per-capita spending on healthcare

Healthcare provider shortages

Disproportionate impact of Covid-19

High unemployment

Educational Focus

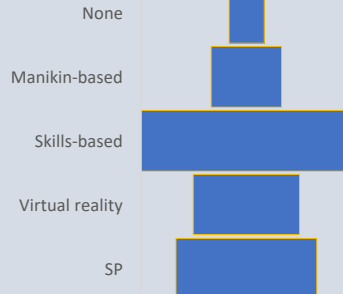


Literature Review: Applications for Simulation

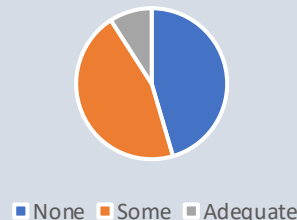
- Disaster preparedness
- Telehealth training
- Developing interpersonal communication skills
- Motivational interviewing training & practice
- Preparing for civic engagement
- Exploring attitudes towards poverty, obesity and gender issues.

Student Surveys

Experience with Simulation



Knowledge & Experience of Virtual Eco-System



Backward Design

Knowledge & Skills

- Understand Navajo and rural cultures
- Knowledge of the virtual care ecosystem & applications across healthcare
- Knowledge of disaster response, management, and post-disaster care
- Proficient communication skills

Activities

- Scenarios using standardized patients (SPs)
- Role playing
- Table-top exercises
- Virtual activities
- Remote telehealth & cultural immersion
- Interactive self-paced modules

Assessment

- OSCEs using SPs
- DNP Project work

Pre-briefing

Simulation

Debriefing

Competency Resources

- 2021 AACN DNP Essentials
- 2018 Quad Council Coalition C/PHN Competencies
- NLN Simulation Innovation Resource Center Courses
- International Nursing Association for Clinical Simulation Learning Standards (INACLS)