

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

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## 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

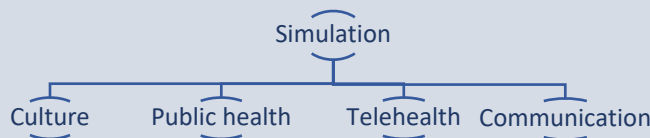
Low per-capita spending on healthcare

Healthcare provider shortages

Disproportionate impact of Covid-19

High unemployment

## Educational Focus

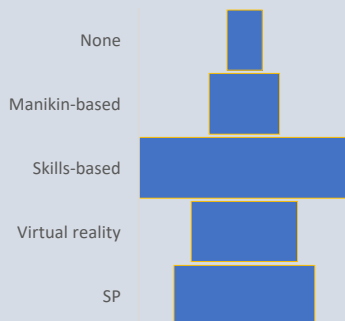


## Literature Review: Applications for Simulation

- 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



■ None ■ Some ■ Adequate

## 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)