



PURPOSE OF THE VIRTUAL REALITY SIMULATION

 The virtual reality (VR) simulation addressed social determinants of health (SDOH) components with interactive strategies to improve nursing students' understanding of the impact of SDOH on underserved populations, and identification of strategies to deliver culturally-competent nursing care.

PURPOSE OF THE PILOT STUDY

• The purpose of this study was to apply the community-based participatory approach to design and develop VR simulation for a community health nursing course, and describe the results of beta-testing to evaluate and improve the overall product/experience.

PRIOR TO CREATION OF VR CUSTOM CASE

- · Community health nursing faculty drafted the scenario and case specification form
- Feedback received from community advisory board (CAB) members was incorporated into revision of case specification form

PRIOR TO CREATION OF VR CUSTOM CASE

- Project team created prebrief and debrief forms, and a pre- and posttest for students
 - Prebrief & Debrief forms
 - Pretest
 - Prebrief valuation, knowledge and skills, and confidence
 - Posttest
 - Debrief valuation, knowledge and skills, confidence, and usability
 - Whether VR simulation could replace, enhance, or do nothing with one of their clinicals with explanation
- · Project team created a content validity index (CVI) for content experts



CREATION OF VR CUSTOM CASE

• Community health nursing faculty worked with SIMX to create custom VR case and purchased headsets





FOLLOWING CREATION OF VR CUSTOM CASE

- Beta-testing with CAB members (n=5)
 - Meeting to discuss feedback
 - Examples of feedback and how incorporated
- Beta-testing with content experts (n=7)
 - Meeting to discuss feedback
 - Examples of feedback and how incorporated
 - Scale-level-CVI=0.89





