

Background

- To address the need for an innovative educational intervention that addresses:
 - Social Determinants of Health (SDOH)
 - · Culturally competent care







Methods

- A qualitative research methodology.
- Purposive sampling method was used.
 - First-year, second semester baccalaureate nursing students.
- Open-ended question on the posttest survey.
- Content analysis was used to categorize data



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The Intervention

- 1. Pre-test
- 2. Pre-brief: YouTube Video:
- 3. 360-degree Video (Interactive 21-minutes)
- 4. Debrief
- 5. Posttest





360-degree Video Clips: Culturally Competent Interviewing Skills



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Que Card and Actually Video Footage (SDOH)



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Que Cards



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Scenario Objectives

- 1. Understand factors that contribute to health inequity that the patient experienced within the home environment.
- 2. Identify patient's care needs and barriers to care.
- 3. Describe a patient's educational attainment, language barriers, and health literacy concerns.
- 4. Identify conditions in the living environment which impact quality of life (QOL).
- 5. Recognize food insecurity, poverty and financial concerns impacting client's overall health.
- 6. Summarize various barriers to accessing care for the patient.
- 7. Identify positive factors that the patient has including alternative health practices and diet.
- 8. Recognize culturally appropriate communication skills and chronic diseases.

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Debriefing Phase: Reaction

- What went well?
- How did simulated experience make you feel?
- Reflection questions such as: Were there any actions you would do differently if you were to repeat this scenario?



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Consolidation Phase

- 1. What factors did you identify related to communication with the patient?
- 2. Think about your own level of skill in communicating with patients and families who need interpreting services. What are 2-3 alternative options to use?
- 3. How do you improve your own communication skills?
- 4. Now let's revisit the objectives of this experience...." How can you apply the knowledge you acquired through this experience to real patients? What is one take-a-way from the experience?

Results

- Ninety-five percent (n=87) of the participants perceived that the simulation experience enhanced clinical learning by increasing clinical judgement skills in relation to:
 - caring for diverse patient populations.
 - overcoming language barriers.
 - collaborating with peers to expand their knowledge related to the SDOH.

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Theme 1: Enhancing clinical with knowledge for caring for clients with different cultures Student Quotes

- "The simulation can enhance clinical. I think it is good to get exposure to different cultures, so you know how to handle the scenario correctly before going off into clinical and working with different cultural groups."
- **"Enhance** because it makes you realize that other people may not have it as easy as you **due to their culture and race**. Made me also realize that whenever I get a new patient, I should always be thinking deeper then just looking at the patient."
- "Enhance my clinical because I am in a location where there are many different cultures. Although I knew most of the basic information in the video, it was a nice refresher to apply to my clinical setting. This information is something everyone should know and be able to apply to the clinical setting."
- "Enhance, helped me gain a different perspective and understand cultural competency better".

Theme 2: Enhancing clinical with knowledge caring for patients with language barriers and needs

- "It can enhance with one of my clinicals. If I come across a patient who is not well with the English language, I now know I should seek an interpreter (a certified one). A family member or friend should not really be used as one because they might mix words around or may not want to give a patient certain bad news."
- "Enhance- allows me to be more mindful that not everyone has access to the same resources."
- "Enhancing ability to communicate with other languages and other cultures."
- "The 360 degree has enhanced my ability to recognize barriers keeping people from getting the care they need and change my actions/thought process on how I will help them."

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Theme 3: Benefits of additional exposure and knowledge

- "Enhance. I surprisingly enjoyed doing this simulation more than I thought I would. I like how it was live and not a cartoon. It also gave me times to think before actually having to do the task immediately. I think it would be smart to have clinical every other week and then a simulation every other week."
- "Enhance- provides additional information I might not be exposed to in clinicals."
- "It can replace with one of my clinical because in hospital, I don't really get to see situation like this, and I think that it really open up and give me more information that I didn't know."
- "I think it could replace a clinical for community health since it was so thorough in its information and questioning. As the type of learner I am, I found it helpful to watch the scenario happen and actually get to take a look into what the life and surroundings of that patient may be like versus just picturing it our minds."

Limitations

- First simulation with a full cohort of students after pilot study.
- Multiple instructors facilitating the simulation debrief.
- All students enrolled in the course were required to complete the simulation but participation in the study was not required; thus, there may be missing some data and differing viewpoints.
- students are from one university/nursing program, so future research would benefit from assessing the impact of this with other nursing student for a more diverse sample.

Conclusion

- Participants noted how the 360-degree video delivered important, standardized information and afforded students an opportunity to engage with classmates.
- First- year, second semester nursing students valued the 360degree video scenario as enhancing their clinical learning.
- This type of simulation can be used as a complimentary teaching-learning method while being a long-term solution for alternative clinical experiences.