

Christine Sump, DNP, MSN, RN, CNE Donna Rose, DNP, MSN, RN Nicole Frazier, MSN, RNC-OB



OLD DOMINION UNIVERSITY

School of Nursing

1

Conflict of Interest and Disclosures: Neither the planner or presenters have any real or perceived vested interest that relates to this presentation.



Learner Outcomes



Recognize Social Determinants of Health (SDOH) and its impact on Diabetes management.



Describe the integration process of of Social Determinants of Health into an Adult Health course that includes didactic and simulation components.



Examine the design of simulation experience that integrates SDOH with assessment and care of the diabetic patient.



Discuss teaching strategies to promote assessment and evidence-based practice when providing nursing care to the diabetic patient.

3



3

Social Determinants of Health (SDOH)



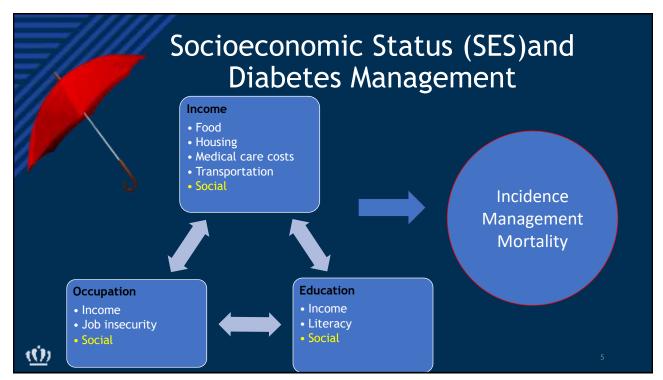
5 Domains

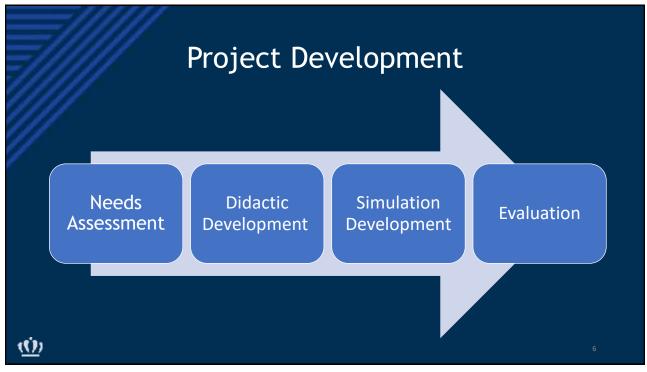
- Economic stability
- Education access and quality
- Healthcare access and quality
- Neighborhood and built environment
- Social & Community Context

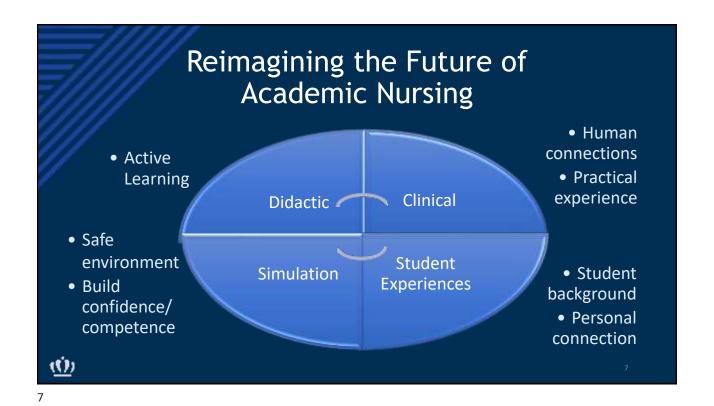


4





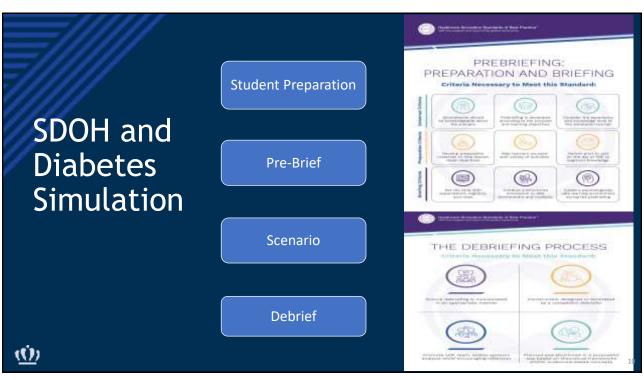




Didactic Components Lecture and discussion Diabetes pathophysiology Barriers to care SDOH Complications Pharmacologic and non pharmacologic treatments Group work—shared documents Case studies Tables

(Ú)





Competency Based Outcomes

Based on AACN 2021 Domains, Competencies, and Sub-Competencies for Entry-level Professional Nursing

ACN Domain 2: Person-Centered Care

- 2.3 Integrate assessment skills in practice.
 - 2.3c Perform a clinically relevant, holistic health assessment
- 2.4 Diagnose actual or potential health problems and needs.
 - 2.4c Prioritize problems/health concerns
- 2.5 Develop a plan of care.
 - 2.5c Prioritize care based on best evidence.
 - 2.5a Engage the individual and the team in plan development.
 - 2.5d Incorporate evidence-based interventions to improve outcomes and safety.
- 2.7 Evaluate outcomes of care
- ○5.2 Contribute to a culture of patient safety.

- 6.1 Communicate in a manner that facilitates a partnership approach to quality care delivery. ďЭ
 - 6.1f Communicate as informed by legal, regulatory, and policy guidelines

11

Validation Criteria

- Creighton Competency Evaluation Instrument (CCEI)©
- Simulation Effectiveness Tool Modified
- Student surveys







Survey Results

Overall knowledge about SDOH components

Insurance

Income

Resources

Culture



Ability/Comfort in Assessing SDOH



13

13

References

American Association of Colleges of Nursing (2021). The essentials: core competencies for professional nursing education. https://www.aacnnursing.org/Portals/0/PDFs/Publications/Essentials-2021.pdf

Cole, H. (2023). Competency-based evaluations in undergraduate nursing simulation: A state of the literature. Clinical Simulation in Nursing. (76), 1-16. https://doi.org/10.1016/j.ecns.2022.12.004.

Creighton University (2020). Competency evaluation: Creighton competency evaluation instrument. https://www.creighton.edu/nursing/academics/competency-evaluation-instrument

Frier, A., Devine, S., Barnett, F., McBain-Rigg, K., & Dunning, T. (2022). Incorporating social determinants of health into individual care-a multidisciplinary perspective of health professionals who work with people who have type 2 diabetes. *PloS one*, 17(8), e0271980.

Hill-Briggs, F., Adler, N., Berkowitz, S., Chin, M., Gary-Webb, T., Navas-Acien, A., Thornton, P., Haire-Joshu, D.(2021). Social determinants of health and diabetes: A scientific review. *Diabetes Care*. 44(1), 258–279. https://doi.org/10.2337/dci20-0053

INACSL (2023). Healthcare simulation standards of simulation. https://www.inacsl.org/healthcare-simulation-standards-ql

Kiernan L. C. (2018). Evaluating competence and confidence using simulation technology. *Nursing*, 48(10), 45–52. https://doi.org/10.1097/01.NURSE.0000545022.36908.f3

Levy, N., Park, A., Solis, D., Hu, L., Langford, A., Wang, B., & Rogers, E. (2022). Social determinants of health and diabetes-related distress in patients with insulin-dependent type 2 diabetes: cross-sectional, mixed methods approach. *JMIR formative research*, 6(10), e40164. https://doi.org/10.2196/40164

McDermott, D., Ludlow, J., Horsley, E., Meakim, C. (2021). Healthcare simulation standards of best practice TM prebriefing: Preparation and briefing. Clinical Simulation in Nursing. 58(1) 9-13. https://doi.org/10.1016/j.ecns.2021.08.008.

American Diabetes Association. (2022). Statistics about diabetes. http://www.diabetes.org/diabetes-basics/statistics/

Thornton, M., Persaud, S. (2018). Preparing today's nurses: Social determinants of health and nursing education. *The Online Journal of Issues in Nursing*. 23(3). https://doi.org/10.3912/OJIN.Vol23No03Man05

Walker, R., Gebregziabher, M., Martin-Harris, B., Egede, L. (2014). Independent effects of socioeconomic and psychological social determinants of health on self-care and outcomes in Type 2 diabetes. *Gen Hosp Psychiatry*. 36(6). 662–668. doi: 10.1016/j.genhosppsych.2014.06.011. https://europepmc.org/abstract/MED/25103544

World Health Organization. (2022). Social determinants of health. https://www.who.int/health-topics/social-determinants-of-health#tab=tab 3

