Education for the Bedside Nurse

Educating the Educator: Diabetes Self-Management Pamela Illesca, BSN, RN; Brigit VanGraafeiland, DNP, CRNP, FAAN; Beth Abate, DNP, AGPCNP-BC,

Introduction & Background

Why This Project?

- Increasing Diabetes Mellitus Type 2 (DMT2) prevalen rates, deaths, and financial burdens.
- Diabetes self-management education (DSME) recen endorsed by the American Diabetes Association (ADA) and International Diabetes Federation (IDF).
- The literature supports DSME for the reduction of hospi readmissions and improved patient outcomes.

Where is the Gap?

- Inpatient registered nurses (RNs) report not feeli comfortable with DSME.
- The literature suggests nurses are not adequately prepared provide DSME in the hospital.

Why Educate the Nurses?

• The inpatient RN spends the most time at the bedsi delivering diabetic care and educating patients.

How Should We Educate?

• RNs consider online learning activities as suitable for the working conditions and needs; considered a safe and relax environment.

Purpose & Aims

Purpose: To increase bedside RNs' teaching skills, comfort, familiarity, & knowledge of DSME

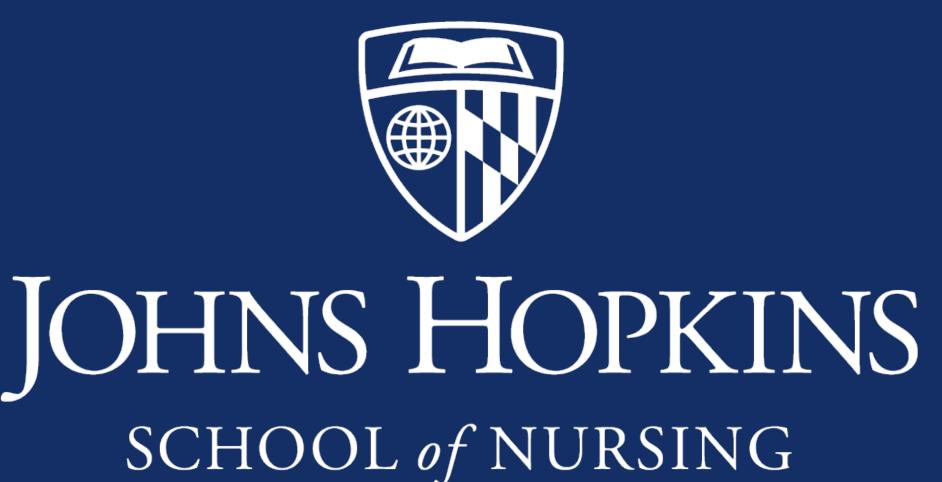
Aims

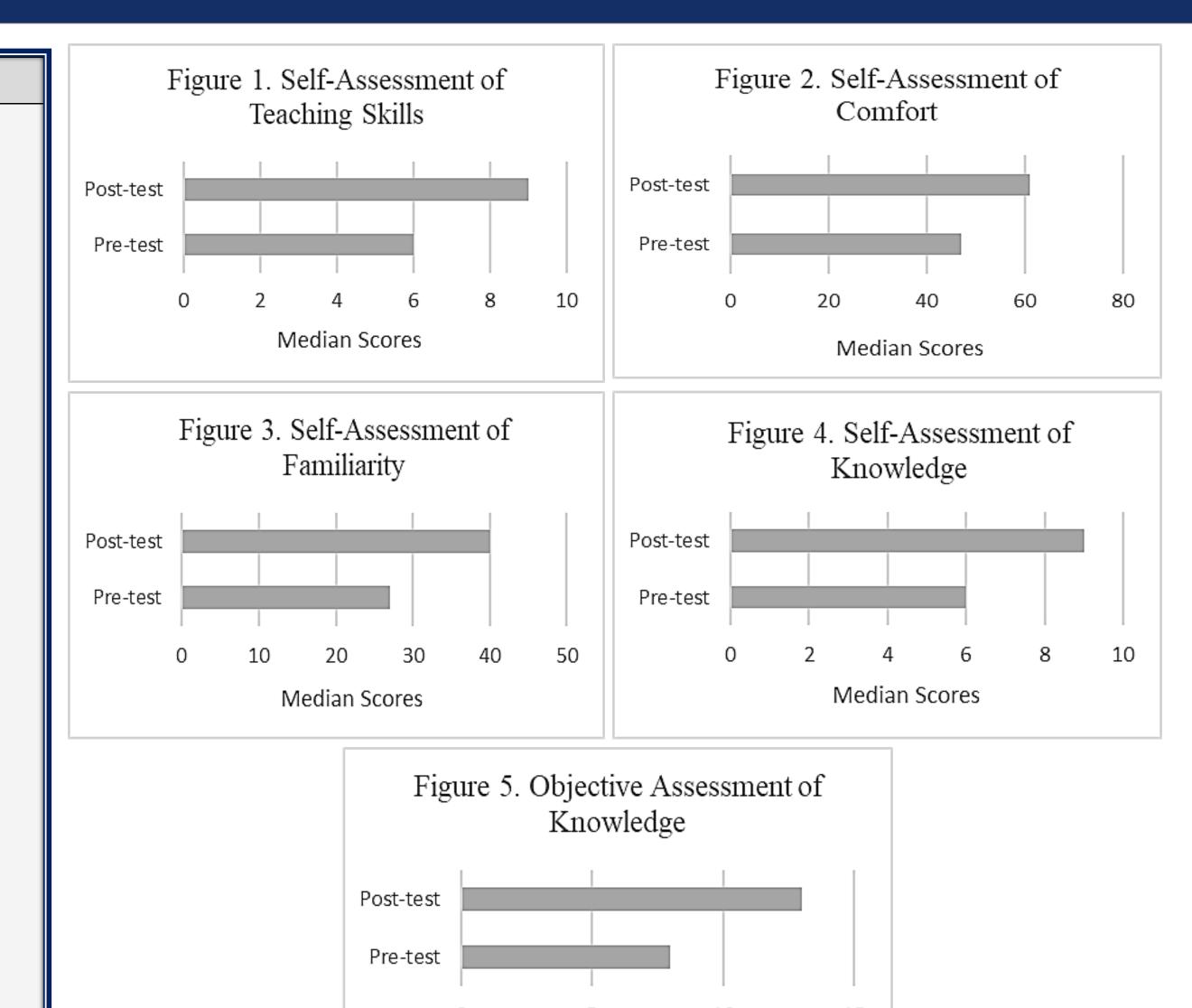
- 1. Determine med-surg RNs' teaching skills, comfo familiarity, & knowledge of delivering DSME using validated Diabetes Management Knowledge Assessme Tool (DMKAT) before educational intervention.
- 2. Implement an educational module to educate R regarding DSME to subsequently educate DMT2 patier regarding blood glucose readings, symptoms, emergen plan, and insulin administration during their inpatient stay
- 3. Determine med-surg RNs' teaching skills, comfor familiarity, & knowledge of delivering DSME usi validated DMKAT after educational intervention.

ANP-BC, RN-BC

Methods
est pilot study. I-surg unit. Ns working on the med-surg unit. Ns who visit unit periodically to c float pool nurses). In delivered by study lead through vertices ack through remote modalities. ed, validated educational intervent earning course. Teaching Moment Effectively engage patients by offering explanations giving encouragement being a good listener Teach patients based on stage of behavior change learning needs and abilities
Results
Aims 1 & 3 ant increase in RN self-reported tend knowledge in providing DSM dificant increase in objective know Aim 2 ants were recruited. 19 participant deted the learning course and 7 sessed at follow-up. rerall feasibility and satisfaction

	Demographic characteristics	(N=26)
	Age, n (%)	· · · ·
	21-30	3 (11.5)
	31-40	5 (19.2)
	41-50 51-60	13 (50)
	Older than 60	3 (11.5) 2 (7.7)
		× /
over staff	Sex, n (%) Male	4 (15.4)
	Female	22 (84.6)
	Education, n (%)	
video (shared	ADN	7 (26.9)
	BSN	10 (38.5)
	MSN	2 (7.7)
	Other	7 (26.9)
ion delivered	Work Status, n (%)	a (7.7)
	Part-Time Full-Time	2(7.7)
	PRN	21 (80.8) 3 (11.5)
		- ()
	Ethnicity, n (%) Caucasian	9 (34.6)
	African American	11 (42.3)
	Asian American	2(7.7)
	Hispanic/Latino	2 (7.7) 2 (7.7)
	Oth er	-(/./)
	Years of Nursing Experience, n (%)	
	0-4 years	11 (42.3)
	5-9 years More than 10 years	2 (7.7) 13 (50)
	White mail 10 years	15 (50)
	Attendance at in-service or CE in which diabetes was the focus, n (%)	
	None	19 (73.1)
	Within last 6 months	0(0)
	>6 months but < 1 year ago >1 year but < 2 years ago	2 (7.7) 2 (7.7)
	>2 years ago	3 (11.5)
	Number of patients with diabetes cared for on weekly basis, n (%)	0 (7 7)
eaching skills,	None 1-2	2 (7.7) 6 (23.1)
E to patients	2-5	14 (53.8)
L to patients	6-10	3 (11.5)
1 1 1 1	>10	1 (3.8)
wledge levels	The greatest obstacle to managing blood glucose in the hospital, n (%)	8 (20 7)
	Personal knowledge deficit	8 (30.7) 7 (26.9)
	Hand-off communication	6 (23)
s were lost at	Unclear glucose targets Unfamiliar with hospital policies	6 (23)
7 of these 9	Ineffective insulin regimen	10 (38.5)
or these 9	Lack of coordination between BGM, IA, MD	19 (73.1)
	CE=Continuing Education	
described by	BGM=Blood Glucose Monitoring	
	IA= Insulin Administration	
	• American Diabetes Association. (2021). Summary of revisions: standards of medical care in diabetes—2021. I	
	 International Diabetes Federation. (2019). <i>IDF Diabetes Atlas, 9th edn. Brussels, Belgium</i>. Retrieved February Hollis, M., Glaister, K., & Lapsley, JA. (2014). Do practice nurses have the knowledge to provide diabetes self Modic, M. B., <i>et al.</i> (2014). Diabetes management unawareness: what do bedside nurses know? <i>Appl Nurs Res</i> 	f-management education
	 Tschannen, D., <i>et al.</i> (2013). Improving nurses' perceptions of competency in diabetes self-management educa Wexler, D. J., <i>et al.</i> (2012). Impact of inpatient diabetes management, education, and improved discharge trans 	tion through the use of s
	• Karaman, S. (2011). Nurses' perceptions of online continuing education. <i>BMC Med Educ</i> , 11(1), 1-6.	





Conclusions

Median Scores

- Intervention has capability to increase RNs' teaching skills, comfort, familiarity, & knowledge of DSME to subsequently improve health outcomes for people challenged with a DMT2 diagnosis.
- Future studies should be mindful of :
- 1. length of educational course
- 2. timing the intervention is being presented

Dissemination

- Submission to relevant peer-reviewed journals.
- Share findings with stakeholders: unit and institution-wide.
- Advocate for continued efforts to educate RNs on DSME utilizing online learning platforms
- Potential collaboration with authors of intervention tools.

ol 12 months after discharge. Diabetes Res Clin Pract, 98(2), 249-256

ement 1). S4 LP-S6