

## Abstract

- Effective interprofessional team communication is critical in healthcare.
- This project assessed the impact of a one-day TeamSTEPPS® workshop on nursing students' IP team communication skills.
- The results demonstrated significant improvements in attitudes, knowledge, and readiness, indicating the potential for enhancing patient care through interprofessional education.
- By equipping students with essential tools and strategies, such workshops can contribute to improved collaboration and communication among healthcare professionals, ultimately leading to better outcomes for patients.

## Background

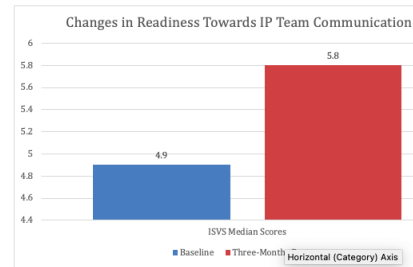
- Ineffective communication among interprofessional (IP) healthcare team members contributes to major adverse health outcomes.
- Communication training has been shown to enhance patient care and safety, yet IP team communication skills are often lacking in pre-licensure education.
- The TeamSTEPPS® program is an IP team communication education course that is recommended to improve collaboration and prepare students for effective teamwork in clinical settings.

## Method

- The project took place in a classroom with 91 final semester senior year nursing students.
- The TeamSTEPPS® intervention spanned 8 months, starting with project preparation and planning in the fall semester of 2022.
- Students participated in a one-day workshop on the TeamSTEPPS® program
- Surveys were administered before and after the intervention to assess the impact on readiness, knowledge, and attitudes towards interprofessional team communication.
- The intervention included interactive sessions, presentations, case scenarios, videos, and small group discussions.
- Faculty, student champions, and IT support aided in implementation, while additional resources and training refreshers were provided throughout the semester.
- Measures such as questionnaires and scales were used to evaluate attitudes, knowledge, and readiness for interprofessional teams.
- The intervention concluded with a final review session and program summary.

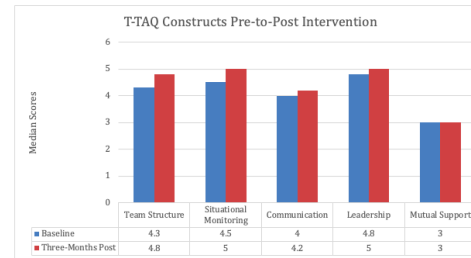
## Results

Median ISVS-21 Scores Pre- and Post-Intervention



Note: ISVS-21 = Interprofessional Socialization Valuing Scale; IP = Interprofessional

T-TAQ Constructs Median Scores Pre- and Post-intervention



Note: T-TAQ = TeamSTEPPS® Teamwork Attitudes Questionnaire

TeamSTEPPS® Learning Benchmarks Knowledge Assessment Results

	Pre-intervention	Post-intervention	p-value
Total Score	87.0 (82.6 – 91.3)	91.3 (87.0 – 95.7)	< 0.001*

Note: Total score shows the medians and interquartile ranges for pre-intervention and post-intervention total scores for the knowledge assessment, \* p < 0.05, statistically significant

## Summary & Conclusion

- The study implemented the TeamSTEPPS® workshop to assess its impact on undergraduate nursing students' knowledge, readiness, and attitudes towards interdisciplinary team communication.
- Significant improvements were observed in participants' attitudes, knowledge, and skills following the intervention.
- Comparisons with prior literature showed consistent positive outcomes from training programs in pre-licensure education.
- The project's strengths included participant engagement and curriculum integration, while limitations encompassed the absence of a control group and reliance on self-reported surveys.
- The study recommends integrating TeamSTEPPS® training into nursing curricula and suggests sustainability through monthly topic refreshers, faculty training, and collaboration with university leadership.
- In conclusion, TeamSTEPPS® enhanced students' readiness, knowledge, and attitudes, equipping them for effective teamwork and patient care in clinical settings.