

4-9-2021

## Creating Bridges of Interprofessional Education: Opportunities for Collaborating Across Multiple Disciplines and Campuses

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### Recommended Citation

Belleza, N. C., Mathews, J., Pilgrim, L., Cremer, K., Johnson, M., McGee, E., Pucillo, E., Wheat, K., & Agrawal, V. (2021). Creating Bridges of Interprofessional Education: Opportunities for Collaborating Across Multiple Disciplines and Campuses. *2021 World Physiotherapy Congress* Retrieved from <https://soar.usa.edu/education/29>

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#### INTRODUCTION / PURPOSE

The purpose of this special interest report is to discuss strategies used by to integrate simulation activities across multiple campuses and programs to foster inter- and intra-professional education. Interprofessional (IP) simulations were done between multiple campuses of a large scale, multi-state, health science university. These simulations utilized Doctor of Occupational Therapy (OTD), Doctor of Physical Therapy (DPT), and Master of Science Speech-Language Pathology (MS-SLP) students and faculty. IP simulations involved DPT students and faculty from the health sciences university in one state and physical therapist assistant (PTA) students and faculty from a different university in that same state.

#### SUMMARY OF USE / RESULTS

When IP learning opportunities are designed into health science curricula, it can enhance knowledge, skills, and attitudes to prepare future clinicians to work as part of a collaborative practice-ready workforce. Students participating in IP activities identified themselves having more competence and sense of salience with IP interactions. Valuable student learning occurs when students are armed with attitudes and knowledge of IP collaboration. Moving forward from these experiences, students can progress in IP activities that further translate into enhanced competencies and develop IP technical skills.

#### IMPORTANCE TO MEMBERS

Integrating inter- and intra professional education in clinical and academic settings has the potential to improve behaviors amongst team players promoting improved patient safety and patient outcomes. However, there continues to be a need for research demonstrating the efficacy of IPE and its impact on student and clinician learning and the affects on patient outcomes



#### IPE Simulation Opportunity 1

##### Interprofessional Collaboration of OT and PT Students

Within the first two weeks of beginning our OT and PT program, students are introduced to an interdisciplinary simulation experience to anchor emerging skills to basic concepts of patient care. The experience is simple and intimate, but organically creates open discussion much deeper than a lab activity involving students partnering with other students to practice learned therapeutic interventions and procedures. The experience is set up with a simulated patient prompted to ask the students questions such as “What is the difference between OT and PT?” Student observers watch as their fellow classmates in the simulation hot seat have to problem solve within a natural hospital environment. The experience brings to light the social components involved in the usually rehearsed informed consent, environmental barriers such as bed rails and tray tables, interprofessional communication with the other discipline with a patient present, and interpretation of vital assessments in patient friendly language. The class debriefs after the simulation to observations, perspectives, and insights. This initial simulation provides an initial experience bridging academia to real-world clinical practice.

#### IPE Simulation Opportunity 2

##### Intraprofessional Collaboration of PT and PTA Students

Three short simulations were conducted with a group of DPT students and a group of PTA students. The first simulation was of PTA and DPT students reviewing a medical record together and planning for a treatment session on a complex neuro case with a recent history of seizures, traumatic brain injury (TBI), and craniotomy. They had a simulated Clinical Instructor (CI) to guide them. The second simulation involved mobilizing this patient in an EVA walker with multiple lines and tubes with the patient’s mother present with CI guidance as needed. The third simulation involved responding to the patient having a seizure with the mother present and then a debriefing with their CI on the session using the Clinical Performance Indicators (CPI) to guide the discussion.



#### DISCLOSURES AND REFERENCES

We have no disclosures for this presentation. For references, please email [nbelleza@usa.edu](mailto:nbelleza@usa.edu)

#### IPE Simulation Opportunity 3

##### Interprofessional Collaboration of OT, PT, and SLP

During SLP program development, IPEC core competencies were mapped to the clinical curriculum and activities developed for OT, PT, and SLP students’ IPE experiences. The activities designed by an IPE faculty team included simulation case scenarios experienced by students each trimester. The case scenarios vary in complexity across IPEC competencies and sub-competencies. For each case scenario simulation, an SLP, PT, and OT student volunteer to act out the improvised scenario, with one or two other students acting as patients, caregivers, or other team members. The rest of the participants observe the scenario and upon completion, all students (actors and observers) participate in a debriefing, which includes reactions, observations, reflections, and discussion. The debrief sessions are structured using the General Interprofessional Debriefing Questions Facilitator Guide to ensure IPEC core competencies were addressed in the simulation. Student feedback is positive with general requests to offer additional experiences.



#### CONCLUSIONS

It is important for future research to explore the validity, reliability, and efficacy of IP learning activities to develop best-practices in IPE. This will help clinicians and educators in customizing their needs to meet patient outcomes, accreditation standards, programmatic goals, and institutional goals in their respective programs and settings.