Simulation Teaching and Research (STAR) Center
Strategic Plan
Mission, Vision, and Goals 2022-2027

The Simulation Teaching and Research (STAR) Center is home to the latest advances in delivering healthcare education. By using state-of-the-art simulation technology, the STAR Center delivers an innovative methodology to present real-life experiences and evidence-based approaches in a safe and controlled environment.

The STAR Center's 20,000 square feet encompass the Jorge and Darlene Perez Clinical Skills Lab, eight Simulation Suites, and four dedicated Debriefing Rooms, lockers, administrative offices, and facilities giving its students an open environment to stimulate learning. By means of healthcare simulation, a growing subspecialty of healthcare education. The Center provides an environment where educators teach, assess, and evaluate learners.

The STAR Center brings together educators and researchers, who combine their expertise and knowledge in a wide range of disciplines to promote the best practices in healthcare.
The STAR Center is uniquely positioned to be able to take advantage of education, practice, and funding opportunities to further its mission. The use of human patient simulation to educate nursing students has gained widespread acceptance in Florida and across the world. The National Council of State Boards of Nursing (NCSBN) predicts the future of clinical education in nursing will include the increased use of simulation labs and centers. The National Academy of Medicine has called for sweeping changes in the way students are educated because a gap exists between the academic preparation of nursing students and the needs of the healthcare industry. Simulation is proposed as one way to assure quality and consistency of education. There is a growing concern among hospital leaders about new graduate's performance abilities. Nursing students have limited access to participation in many procedures and medication administration in actual clinical settings. The STAR Center aligns with the National Academy of Medicine's The Future of Nursing 2020-2030 report, recommendations which call for learning to collaborate across professions, disciplines, and sectors. The STAR Center is unique in its multi-professional education focus and is setting new standards for simulation education for students in the health professions of athletic training, occupational therapy, physical therapy, speech pathology and health services administration.

Our MISSION is to: “Advance local, regional, and global healthcare by providing an innovative learning environment where simulation technology facilitates multi-professional healthcare education, collaboration, research, and evidence-based practice.”

Our VISION is to become: “The internationally recognized leader and innovator in the provision of world-class, state-of-the-art, interprofessional simulation pedagogy to improve the quality and safety of healthcare provided locally, regionally, and globally.”

1. **Be recognized as a program which adheres to the highest standards established in healthcare simulation.**

   Success Indicators
   - Successfully achieve reaccreditation by the Society for Simulation in Healthcare for the next 5-year cycle.
   - Achieve endorsement from the International Nursing Association for Clinical Simulation and Learning (INACSL).
   - Continue to follow the accreditation criteria and review all policies/procedures ensuring compliance with accreditation standards annually.

2. **Provide a safe learning environment, where integration of concepts that include determinants of health, cultural humility, compassionate care, informatics/technology, leadership, and professionalism are emphasized through innovative teaching /learning pedagogies.**

   Success Indicators
   - Provide simulation experiences in a safe learning environment consistent with the results of the National Council of State Boards of Nursing (NCSBN) National Simulation Study (Hayden et al., 2014)
   - Review, document, and track simulation cases and seek integration of determinants of health, cultural humility, compassionate care, informatics/technology, leadership, and professionalism.
   - Provide a measured analysis of psychological safety in accordance with INACSL Healthcare Simulation Standards of Best Practices

3. **Implement a faculty development program to further understanding healthcare simulation as a teaching/learning method.**

   Success Indicators
   - Develop a simulation immersion workshop and an on-line tutorial to assist faculty to understand simulation technology and its potential to enhance the learner experience, spark critical thinking, improve clinical performance, and encourage safe and appropriate actions by learners.
   - Determine success of program through surveys of faculty who have completed the program.
   - Submit write-up of the training program and results in a peer-reviewed publication for dissemination.

4. **Develop a research agenda that will provide new knowledge and practices to improve healthcare professions education, processes, and outcomes.**

   Success Indicators
   - Build on existing research and programs.
   - Explore grant funding sources. Submit 2 grant proposals annually.
   - Submit two articles annually by researchers involved in Healthcare Simulation through the STAR Center.
   - Representatives of the Center will present at four local, regional, national and/or international professional conferences every year.
   - Partner with other organizations and departments to conduct multi-site research on topics involving the Center.

5. **Engage with our community partners to provide simulation teaching and consultation for practicing healthcare providers. Provide workshops, seminars, and continuing education to increase the use of simulation pedagogy and promote the Center as a model for simulation excellence.**

   Success Indicators
   - Build the American Heart Association (AHA) Training Center designation for Basic Life Support, Advanced Cardiac Life Support, Pediatric Advanced Life Support, and HeartSaver courses. Expand AHA course offerings throughout the University community including the branch Biscayne Bay Campus, community partners, and staff, faculty, and students.
   - Foster increased collaboration and memorandums of understanding with international partners in Latin America and the Caribbean.
   - Develop and secure contract to provide community partners with continuing education using simulation technology.

6. **Strengthen the STAR Center physical and financial sustainability to provide for long-term financial stability including gifts, grants and contracts, new State and Federal funding for simulation pedagogy.**

   Success Indicators
   - Work with College faculty practice /enterprise initiatives to explore potential revenue generating opportunities for the STAR Center and implementation strategies.
   - Secure a naming agreement of the Center through a partnership with the College's development officer to build an endowment to support simulation in healthcare education.
   - Establish a Lifelong Learning initiative to provide a source of continuing education courses to health providers.
   - Continue with consultation and seminar offerings on the administration and implementation of simulation pedagogy.
   - Expand the physical space and infrastructure support to assure continued high-quality experiences.
   - STAR Center revenues from entrepreneurial endeavors should provide additional budgetary support for future expansion.