



State University System

2022-2023 Linking Industry to Nursing Education (LINE) Fund Proposal

University:	University of South Florida
Healthcare Partner:	Johns Hopkins All Children's Hospital
Date Proposal Approved by University Board of Trustees:	<i>Approved at the USF Board of Trustees Meeting on September 6, 2022</i>
Amount Requested:	\$391,856
University Contact (name, title, phone, & email):	Usha Menon, PhD, RN, FAAN, Dean and Senior Associate Vice President, 813-974-9091, Umenon@usf.edu
Please check the boxes below as appropriate:	<i>All boxes must be checked in order to be eligible to participate.</i>
Healthcare partner making contribution is located in and licensed to operate in Florida?	<input checked="" type="checkbox"/> Yes
Healthcare partner making contribution is a health care provider as defined in Section 768.38(2), Florida Statutes?	<input checked="" type="checkbox"/> Yes
Nursing programs met or exceeded a first time NCLEX passage rate of 70% for the prior year based on the 2022 Accountability Plan?	<input checked="" type="checkbox"/> Yes
The funds will be used for an eligible purpose per Section 1009.896, Florida Statutes?	<input checked="" type="checkbox"/> Yes

USF College of Nursing Proposed Opportunity in Partnership with Johns Hopkins All Children's Hospital (JHACH): Simulation Equipment, simulation operations staff, and simulation laboratory space to Support Accelerated Second-Degree Students on the St. Petersburg Campus and expand RN residency opportunities. JHACH is considered a healthcare provider as defined in section 768.38(2), Florida Statutes.

The USF College of Nursing prepares future nurses to serve in variety of roles to meet demand for high-quality healthcare in our communities across Florida. We currently enroll undergraduate students in our Accelerated Second Degree, Upper Division, and Veteran to bachelor's (VCARE) pathways across our Tampa, St. Petersburg, and Sarasota-Manatee campuses. The number of students on the St. Petersburg campus has increased over the past three years, and today we admit 70 students into the Accelerated Second-Degree pathway on this campus. The demand for high-quality advance simulation education to

prepare graduates continues to grow. While we have plans to expand our simulation center on the Tampa campus this will not address the simulation educational needs for our students on the St. Petersburg campus.

The USF College of Nursing is currently in leased space near the USF St. Petersburg campus to provide skill-based lab activities using low fidelity manikins and task trainers. All high-fidelity simulation activities are scheduled on the Tampa campus requiring students to travel a long distance. Due to the increase demand for simulation activities on the Tampa campus, we are exploring the use of existing resources near the St. Petersburg campus to meet the simulation needs of our St. Petersburg students.

The USF College of Nursing maintains a clinical education affiliation agreement with Johns Hopkins All Children's Hospital in St. Petersburg, FL. This clinical affiliation allows our undergraduate and graduate students clinical training opportunities to meet clinical educational requirements in pediatric care. In 2018, The Research and Education Building at Johns Hopkins All Children's Hospital opened which houses a state-of-the-art simulation center. The Center for Medical Simulation and Innovative Education provides a realistic environment for students, residents, and clinicians to safely train and learn skills and team-based communication techniques to improve patient outcomes. The center mimics clinical spaces such as patient care rooms, intensive care unit, and operating rooms as well as non-clinical spaces such as a home or classroom.

Johns Hopkins All Children's Hospital has offered to partner with USF College of Nursing to provide access to its simulation laboratory center to support the needs of our Accelerated Second-Degree students on the St. Petersburg campus. Additional simulation equipment will need to be purchased by the College of Nursing to support adult high-fidelity simulation activities within their simulation center. Johns Hopkins All Children's Hospital has agreed to provide the necessary funds and resources to purchase additional simulation equipment, provide space use for USF St. Petersburg students to use the simulation center, and contribute to staff support to manage the simulation operations and expand teaching hours. The matching LINE funds will allow the College of Nursing to expand access to clinical learning and simulation-based educational activities for our students.

I. Use of Funds:

The funds will be used to purchase high-fidelity simulation equipment, pay for staff time to manage the simulation operations and instruction, and to utilize the simulation laboratory space for USF College of Nursing students at Johns Hopkins All Children's Hospital simulation center.

Program Cost:

Total cost for the simulation equipment purchase = \$751,911

LINE contribution (dollar for dollar match) = \$391,856

Healthcare partner contribution = \$391,856 (\$31,800 in kind support)

Cost Breakdown:

- Simulation Equipment = \$331,971
- Staff Support = \$388, 140
- Space = \$63,600

How the institution plans to use the funds.

Goals of the program:

- Increase access to high-quality simulation education activities for USF College of Nursing students on the St. Petersburg campus.
- Reduce costs associated with providing a high-fidelity simulation space on USF St. Petersburg campus.
- Reduce need for students on the St. Petersburg campus to travel to the Tampa campus for high-fidelity simulation educational activities.
- Support increased access and availability of simulation resources by students on Tampa campus.
- Allow for additional opportunities for clinical placements on nights and weekends at JHACH.

How the healthcare partner benefits.

- Promotes high quality nursing education for graduates seeking employment.
- Improves the preparedness of nursing graduates entering the nursing workforce.
- Increases access to high-fidelity equipment for employee training and education.
- Provides staff support that in addition to expanding opportunities to USF students for simulation training will allow JHACH to expand the Pediatric RN Residency program by adding 50 more spots.
- Increases interest in JHACH as an employer.

How the funds will expand the institution's nursing education programs to meet local, regional, or state workforce demands.

The funds will directly impact the ability to expand simulation educational activities of students on all of our campuses. High-fidelity simulation activities are used to prepare graduates for real world situations that increase the quality and safety of healthcare delivery. In 2014, the National Council of State Boards of Nursing (NCSBN) published a study providing substantial evidence that when substituting high-quality simulation experiences for up to 50% of traditional clinical education hours produced comparable outcomes related to knowledge acquisition and clinical performance.¹ As enrollment increases in the USF College of Nursing undergraduate programs the need for access to high-quality simulation education will continue to grow. The funding made available through the LINE funds will increase access to simulation education and reduce the demand on our healthcare partners in providing clinical training opportunities for the increased number of students expected to enter our prelicensure programs over the next 5 years.

Additionally, with LINE funding, JHACH would be able to open up additional clinical placement on nights and weekends, increasing the number of nursing students who receive pediatric training at JHACH. Hiring additional staff support for nights will allow JHACH to expand access on nightshift and will add an additional clinical spots per day, greatly increasing the number of students able to train at the JHACH campus.

Lastly, the LINE funding will provide more qualified nurses in the state by increasing available slots within the Nursing Residency Program to reach and train more skilled pediatric nurses. As we provide more opportunities within this program, we will also focus on strengthening our preceptorship, mentorship, and transition to practice skills resulting in high retention at JHACH. The expansion of the Johns Hopkins All Children's Hospital Pediatric RN Residency would provide 50 more individuals the opportunity to be confident, well-skilled pediatric practitioners.

1. Hayden, J. K., Smiley, R. A., Alexander, M., Kardong-Edgren, S., & Jeffries, P. R. (2014). The NCSBN national simulation study: A longitudinal, randomized, controlled study replacing clinical hours with simulation in prelicensure nursing education. *Journal of Nursing Regulation*, 5(2), S3-S40.