



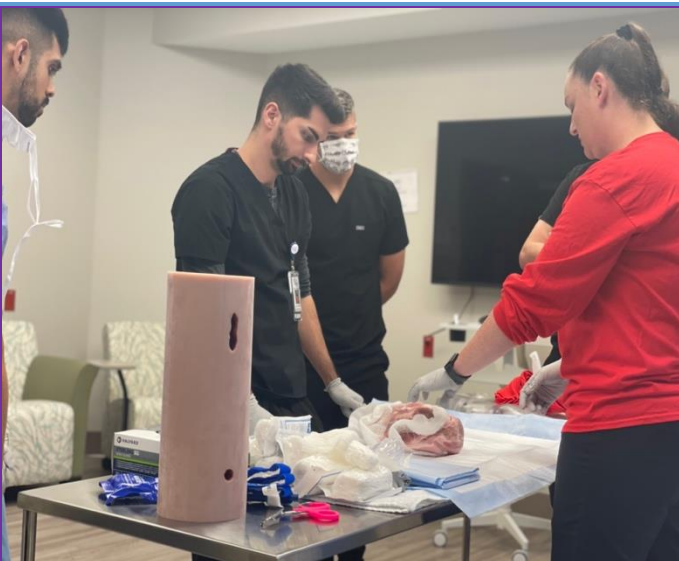
2022 ANNUAL REPORT

Judith and Marvin Herb Family Simulation Center
NCH Healthcare System
Naples, FL.

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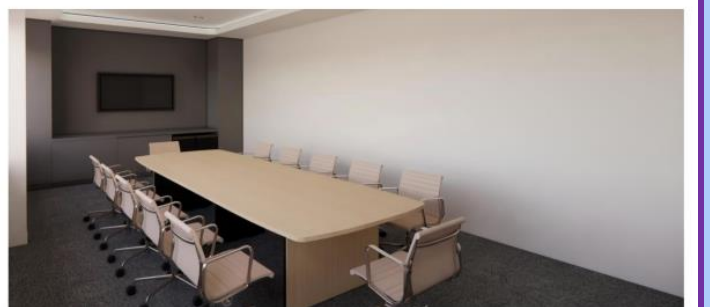


Introduction

The Judith and Marvin Herb Family Simulation Center is one of SWFL's largest simulation centers that is truly multidisciplinary. The center is within a 12,000 square foot space at NCH Healthcare System in Naples, FL. The center focuses on training healthcare professionals to acquire, maintain, and enhance their skills in a state-of-the-art, high-fidelity training center. The center also extends the benefits of simulation to community members like high-schools, youth organizations, foundations, first responders, and other clients.

The Judith and Marvin Herb Family Simulation Center opened its doors in March of 2020 in a state-of-the-art, high-fidelity temporary simulation center at NCH Healthcare System. This 8,000 square foot space made it possible to have two acute care simulation rooms, control room, an outpatient office/clinic, a procedural skills lab, classroom and a debriefing room. This temporary space allowed the organization to train their learners while the permanent 12,000 square foot space was being built with a completion date of 2023. During this time, we were able to perform a needs assessment to cater our new simulation center build to the organizations and learners needs.

Our new Simulation Center has two debriefing rooms, three classrooms, a fully functioning cardiovascular operating room suite, a procedural skills lab that flexes into another operating room suite, an outpatient clinic room, a moulage room, a green room for our standardized patient program/actors, a labor and delivery/NICU simulation room, an ICU/Emergency Department simulation room, two other flex simulation rooms, two large control rooms, and an Immersive Interactive room by ECHO Healthcare. The Simulation Center Team takes pride in enhancing the learners environments into a realistic clinical setting. The team can replicate almost any clinical or nonclinical setting providing the highest realism possible.



Message from Medical Director

Introduction



The year 2022 witnessed tremendous growth and expansion of the Judith and Marvin Herb Family Simulation Center. The new center opened in January 2023, occupying 12,000 square foot of space in the previous CVRU location at Baker Hospital.

This past year saw many accomplishments and milestones including Hope Goodwin achieves accreditation/board certification in Simulation Medicine as a Certified Healthcare Simulation Educator (CHSE). Julio and I presented at the IMSH International Medical Simulation in Healthcare Meeting with an invited workshop titled “Ballistic Gel Vascular Access and Wound Trainer Workshop”.

The Simulation Center welcomed a new member to the team Cameron Blaquire as the Simulation Coordinator and Standardized Patient Program Advocate.

The new simulation center was designed around the needs of the NCH Healthcare Staff with multiple classrooms, workrooms, five simulation rooms, one operating room, one procedural skills room, two debriefing rooms, and an exciting edition of an Immersive Room which is a form of mixed reality and augmented reality to improve the training of both healthcare and non-healthcare personnel. The center remains focused around meeting the needs of every employee at NCH with the goals of improved patient safety and outcomes, improving confidence, increasing job satisfaction along with recruitment and retention.

The center during 2022 conducted 804 classes with nearly 10,000 learner hours! Very impressive for the first year of operations. A wide range of partners and groups have utilized the simulation center. Examples include impressive multidisciplinary simulation training with the operating room team, simulated a fire in the OR, labor and delivery simulation complicated birthing scenarios, and recently the Cardiac Catheterization labs conducting simulations including code blue/cardiac arrests, transporting a critical patient from the North campus to Downtown campus with multiple devices including intubation, mechanical ventilation, and intra-aortic balloon pump. The simulation team has also extended the benefits of simulation to local schools and first responders.

Looking Ahead

The simulation center is completely supported financially by philanthropy and the generosity of our community. We look forward to 2023 with continued focus support and advocacy of every section and employee at NCH while improving patient safety and outcomes optimizing the sense of purpose, strength and being a part of NCH.

Dr. Doug Harrington, DO, FCCP
Penny & Bill Allyn Endowed Chair
Judith & Marvin Herb Family Simulation Center
NCH Healthcare System

Mission

- The Judith and Marvin Herb Family Simulation Center enhances the organizations mission to improve healthcare by preparing competent team members across the healthcare continuum, in a supportive, state of the art, realistic environment that promotes excellence through multidisciplinary and innovative simulation training

Vision

- The Judith and Marvin Herb Family Simulation Center will be a world-class leader in healthcare simulation through innovative education, practice, and research, while promoting patient safety and quality initiatives
- The Simulation Center will have a wide reach including all NCH staff, community healthcare providers, first responders, and general public

Strategy

1Year

- Leverage relationships with key hospital personal to align with institutional strategic goals & create a simulation faculty or “Super Users” across all service lines
- Superior quality and safety
- Superior patient experience
- Healthcare integration

2 Year

- Collect and analyze data
- Reach out and partner with caregivers, first responders and community to extend the benefits of simulation
- Relocate to the permanent Simulation Center

5 Year

- Destination simulation center for national and international healthcare educators and providers.
- Obtain national certification by Society of Simulation in Healthcare (SSIH)
- Align with institutions 2025 strategic roadmap

Meet our Simulation Team

The extraordinary Simulation Team brings a broad range of expertise and experiences to the center which allows us to serve the staff and community with nothing but excellence! The dedicated staff work collaboratively and professionally to ensure that the simulation training is superior quality to enhance the learners experience and truly be learner centered.

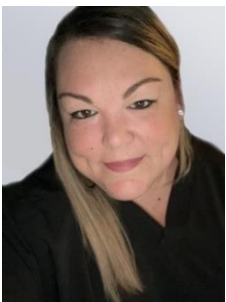
Medical Director, Dr. Doug Harrington, DO, FCCP



Dr. Doug Harrington has been at NCH since 2003. He is a practicing Pulmonary and Critical Care Physician, as well as the Medical Director of the NCH Simulation Center and the Associate Program Director of Internal Medicine Residency Program. Dr. Harrington trained at the Henry Ford Hospital in Detroit in Internal Medicine, Pulmonary, and Critical Care. He also holds appointments as an Associate Professor of Medicine at the University of Central Florida and as an Adjunct Assistant Professor of Medicine at the Mayo Clinic. Dr. Harrington has been awarded multiple Excellence in Teaching Awards. Dr. Harrington is the driving force in the development of the NCH Simulation Center following a one-year sabbatical / fellowship at the

Mayo Clinic in Simulation Medicine from 2019-2020. Dr. Harrington's interest includes the incorporation of simulation training in postgraduate residency programs, multidisciplinary simulation with high performing teams, situational awareness, and optimization of infrequent high-risk events.

Operations Manager, Hope Goodwin, MSN,RN,CHSE, CEN



Hope Goodwin was born and raised in Naples, FL. Hope has been working with NCH since 2004 in various roles, but mainly the Emergency Dept and most recently Operations Manager of the Simulation Center. During her time at NCH, she has co-investigated pediatric trauma research with Dr Carmen Ramos and also completed a yearlong leadership academy that was funded by the Centers for Disease Control and Prevention for public health leadership. Hope started volunteering at NCH when she was 17 years old at OPIS. She was inspired by the nurses at OPIS which was part of the driving force to complete

her master's degree in Nursing Education (MSN). Hope is also a Professor of Nursing with Florida SouthWestern State College teaching pre-licensure and post licensure registered nurses. This is where she was introduced to the world of simulation in healthcare & academia for over 10 years. Hope shares a vision with Dr Harrington to become a destination simulation center. Hope recently obtained a distinction in simulation getting internationally board certified to simulation in healthcare (CHSE).

Simulation Technician Specialist, Julio Irizarry, MA



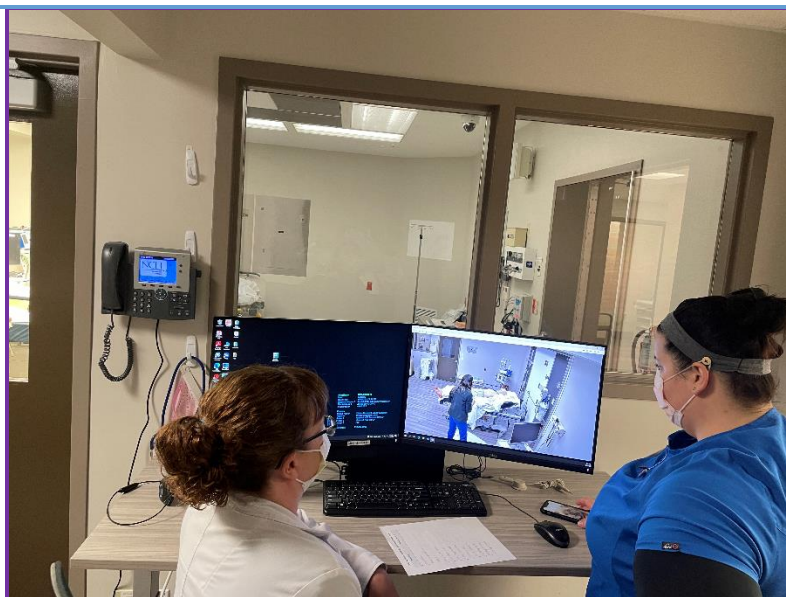
Julio Irizarry Simulation Technician Specialist, a native New Yorker who moved to Naples, Florida February 2002. Julio started his career at NCH in June of 2011 as a Medical Assistant with NPG Pulmonary office. In 2013, he joined the NPG Clinical Education Team educating new MA hires and onboarding new NPG providers. From 2015 – 2021, Julio began a new career with the Cerner Corporation Team and was a Senior Coach Educator, onboarding both Inpatient and Ambulatory providers, along with new Ambulatory clinical hires. Julio enjoys family vacations, and, in his spare time he enjoys working on my cars. Julip also has an I.T. background, which is pivotal in his career as a Professional Simulation

Operations Specialist.

Simulation Coordinator and Organizer of Standardized Patient Program



After graduating with his Master of Science in Health Sciences from West Virginia University, Cameron Blaquiere joined the NCH Physician Group in July 2021. Within his year at NCH, Cameron was presented with opportunities to experience various aspects of healthcare ranging from patient care to office management and beyond. Cameron’s passion for providing high quality, innovative healthcare has grown with each experience. With a background in leadership as captain of his college baseball team, Cameron aspires to establish a simulation center with solid teamwork and vision. Cameron is excited to incorporate his past experiences and his current passions into the future of the simulation center.

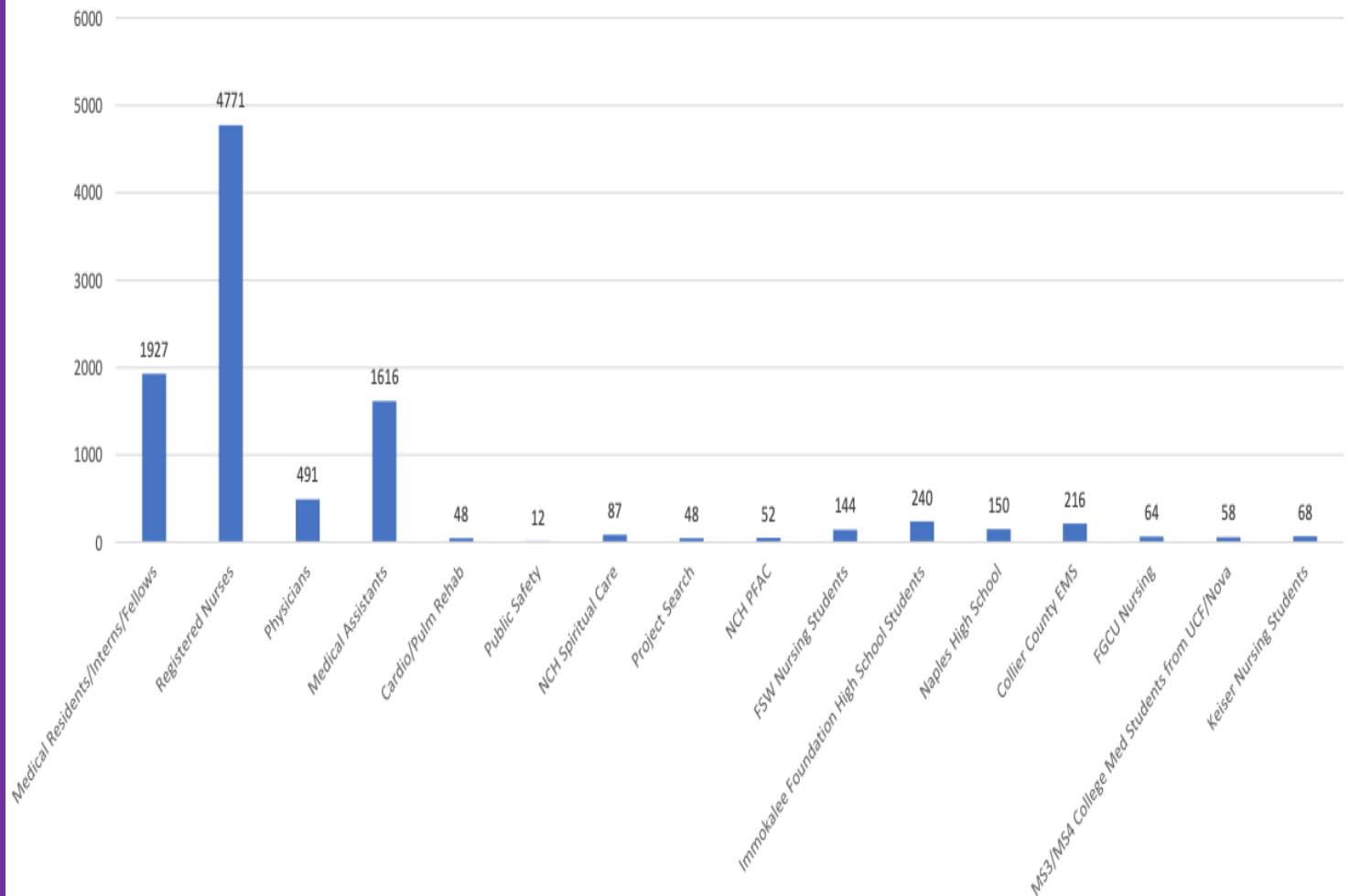


NCH Center for Learning and Innovation currently has 17 educators for clinical service lines and Naples Physicians Group has 2 field trainers, 2 clinical trainers, and 1 lead clerical trainer, GME has 3 Chief Residents who assist with simulation training. They have all been instrumental in the successful implementation and ongoing success of the Simulation Center trainings.

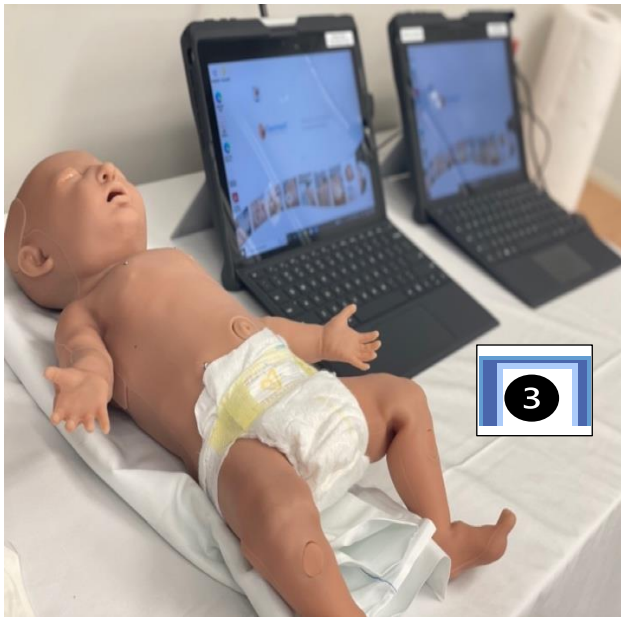
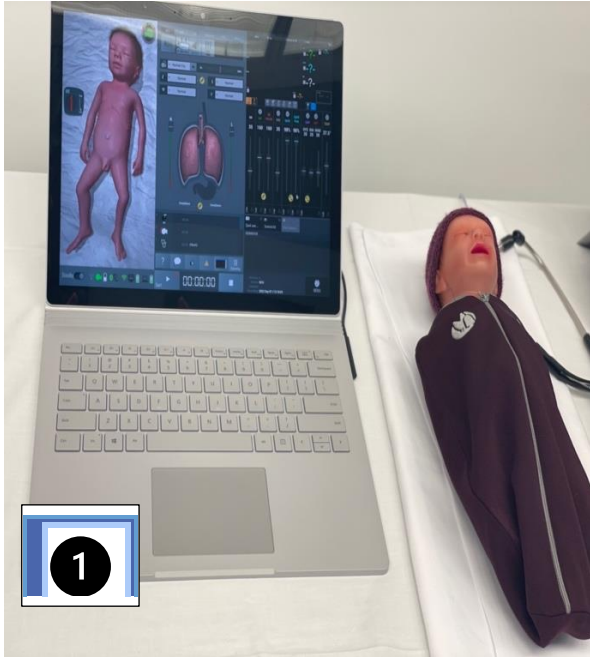
Learner Hours

The below data indicates total learner hours by discipline during September 2021-September 2022. These hours reflect time spent in the Simulation Center performing medical simulations, procedural skills or task training, workshops for local schools and community partners, and testing out research/clinical studies. **The total learner hours are 9,992.** In total, the Simulation Center has provided **804 classes, activities, simulations, and training classes.**

Total Learner Hours for September 2021 to September 2022 by User Group



Innovations & Technology



1) Micropreemie "Paul", 27 week old preterm high fidelity manikin, made by SimCharacters.
2) IV trainers. 3) Advanced newborn simulator. 4) Pediatric Hal "Gabe", high fidelity pediatric simulator by Gaumard



Multidisciplinary simulations with L & D/Mother Baby RNs and OB Hospitalist group with our very realistic/high fidelity birthing mannikin

Child birth simulator "Victoria" by Gaumard



Adult high-fidelity mannikin "Bob" made by Laerdal

Immersive Interactive Room

Immersive Interactive Room by ECHO Healthcare. Our Immersive Interactive system is the leading product for creating unique and engaging virtual learning environments across all settings engaging touch, sight, and smells to enhance realism.



Inter-agency Collaboration

Each year, the Judith & Marvin Herb Family Simulation Center hosts onsite & in-situ trainings with organizations such as Collier County EMS, The Immokalee Foundation, Naples High School, Project Search, and other community members.



Dr Doug Harrington provided Collier County EMS Flight Paramedics an engaging 2-day training on difficult airway scenarios.



Noemi Garcia, Chief Deputy Training Director for CCEMS . STEMI Alert to Baker ED using our high fidelity mannikin. Goal was to improve door to balloon time



Achievements & Milestones



Hope Goodwin, Operations Manager of Judith & Marvin Herb Family Simulation Center has joined over 2,200 Simulationists from 37 countries by obtaining her International SSIH Board Certification in Simulation Education (CHSE). This certification is recognized by ANCC Magnet. Research has demonstrated that individuals who obtain certification make decisions with greater confidence and adhere to the current evidence and guidelines set forth by the Society for Simulation in Healthcare. This is a formal certification that validates the expertise, skills, attitude, and experiences of the individual.



The Judith and Marvin Herb Family Simulation Center was recognized by Project Search as Department of the month. The Simulation Center Team serves as mentors for the Project Search students every school year. The center teaches the students basic work and life skills by allowing them to participate and work in the Simulation Center.

The Judith and Marvin Herb Family Simulation Center Team assisted NCH Hospital in the delivery and training of over 2,000 LifeVacs to first responders, emergency departments, and other departments and agencies. These devices will assist in choking cases.



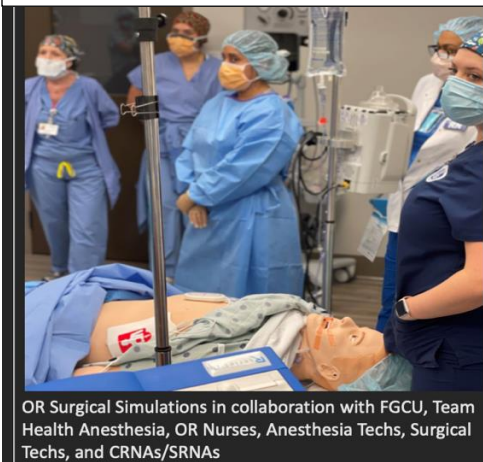


In 2021, we invited surrounding nursing programs to be included in our multidisciplinary medical resident simulations. We had participation from Florida SouthWestern State College, Rasmussen College, Southern Technical College, Keiser, and FGCU SRNA students



We welcomed our new cardiology & Critical Care/Pulm Fellows

In 2022 we welcomed our first group of Pulmonary/Critical Care Fellows and Cardiology Fellows to NCH. The Critical Care Fellows had their first week of ICU bootcamp training in the simulation center.



OR Surgical Simulations in collaboration with FGCU, Team Health Anesthesia, OR Nurses, Anesthesia Techs, Surgical Techs, and CRNAs/SRNAs

The Simulation Center staff and the Nurse Educators trained the entire OR staff during an exciting packed 2-day multidisciplinary simulation involving high risk low occurrence scenarios that happen in the OR. We hosted over 100 learners in the 2-day training!

CONTACT US

EMAIL: **SIMULATION@NCHMD.ORG**

PHONE: **239-624-1250**

LOCATION: **350 7th Street N.**
Naples, FL. 34102
Baker Campus