



2023 ANNUAL REPORT

Judith & Marvin Herb Family Simulation Center

NCH

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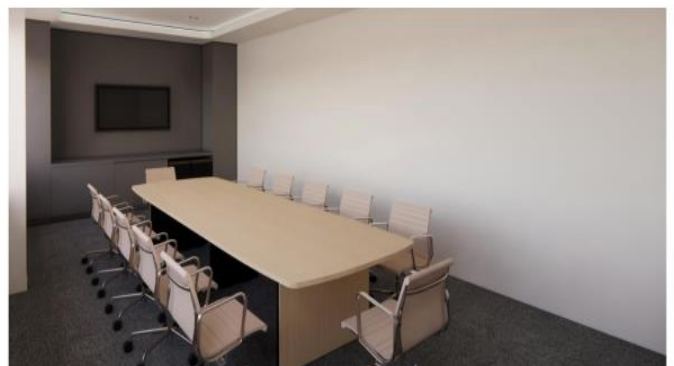


Introduction

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 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 high-schools, middle schools, youth organizations, women's organizations, foundations, first responders, and other community members.

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. 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 opened in January of 2023 and 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 learner's environments into a realistic clinical setting. The team can replicate almost any clinical or nonclinical setting providing the highest realism possible.



Introduction



The year 2023 was a very exciting year for the Judith and Marvin Herb Family Simulation Center at NCH. The new center has been open one year, witnessing phenomenal growth and success. Some of the highlights and accomplishments are listed below.

- Recognized by Beckers Hospital Report as one of the top 35 simulation centers in the United States

- Increased usage of the center by external clients, benefiting our community

The simulation center also saw multiple new user groups both internally and externally including environmental services, patient registrar, human resources, hyperbaric oxygen team, physical therapy, all utilizing the simulation center for training to improve patient outcomes and experience.

The simulation Center trained 192 Collier County first responders in a multiday multidisciplinary simulation event. One of the most exciting examples of simulation training this year was a life saved after the Collier County school nurses had simulation training for a day which included multiple stations, one focused on identifying an unresponsive person, placing AED pads, starting CPR. Two days after the nurses' training a Collier County resource officer was found unresponsive and through the nurses training, 2 nurses were successful in resuscitating and saving the gentleman's life.

The center also assisted in testing the LifeVac , a Lifesaving Choking Device. After distribution to local restaurants and schools, within months a gentleman's life was saved with the device at a local restaurant during a choking event.

The simulation center's multidisciplinary approach grew this past year, examples including nurse educators teaching physicians and medicine residents proper technique of starting ultrasound guided peripheral IV. The simulation team worked with the Rooney Heart Institute at NCH with the expansion to the North Naples campus with opening a catheterization lab and simulated training the ability to transport critical ill patients who needed cardiac support devices from the North Naples Hospital to the downtown Baker campus. This was a multifaceted simulation including Brewster ambulance, NCH staff, NCH catheterization lab, Collier County EMS, and the cardiovascular intensive care unit (CVICU). The simulation center also assisted in training with stroke patients presenting to NCH campuses to improve the response time, initiation of life saving therapy and optimizing team performance.

The simulation center welcomed a new member to the team, Tessa-Ann Smith, as the new Simulation Coordinator.

As a simulation team we are forever grateful for the NCH employee's adoption of the benefits of simulation training, also the community support, community involvement, philanthropy support & administrative support.

Our focus for 2024 remains meeting the needs of the NCH team with focused training, recruitment, retention and most importantly improved patient outcomes and patient experience. The simulation team will also be applying for national accreditation with The Society for Simulation in Healthcare under the leadership of Operations Manager Hope Goodwin.

Looking Ahead

The simulation center is completely supported financially by philanthropy and the generosity of our community. We look forward to 2024 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 in Simulation

Judith & Marvin Herb Family Simulation Center

Member of the Society of Simulation in Healthcare under the leadership of Operations manager Hope Goodwin.



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 the public.

Strategy

- Raise the profile of NCH Simulation Center
 - Formalize standing of the simulation center at NCH and nationally.
 - Develop a Simulation Advisory Board by June 2024.
 - Apply for SSH accreditation by the end of 2024.
 - Complete policy and procedure manual by end of 2024.
- Promote the NCH Simulation Center
 - Align and optimize the Simulation Center growth with the new branding campaign at NCH.
 - Establish two new internal learner groups and two new external customers by year end 2024.
 - Collaborate with marketing to optimize the external NCH simulation website to achieve an increase of external traffic by 25% for the year ending in 2024.

Meet our Simulation Team

The extraordinary Simulation Team brings a broad range of expertise and experience 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 and innovative use of technology integration in simulation education.

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 co-investigated pediatric trauma research with Dr Carmen Ramos and 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 as a board certified simulation educator (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, Tesa Ann Smith



My professional medical journey started in The Bahamas, where I was raised. My passion for healthcare began in 2012 when I started as a junior medical assistant at The Bahamas Food Centre. I continued to grow my skills and experience in the podiatrist office until I moved to Naples, Florida in 2018. My career continued to evolve when I joined NCH as a patient transporter in December 2019. While working as a lead transporter, I continued to fuel my passion by completing the surgical technology program at Lorenzo Walker Technical College, which lead to my successful certification as a Surgical Technologist. After working as a CST at NCH North Naples Hospital, I am now honored to serve as the coordinator of the Judith & Marvin Herb Family Simulation Center. I am excited about the opportunities this new role presents and look forward to contributing to the advancement of healthcare training and simulation.



NCH 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.

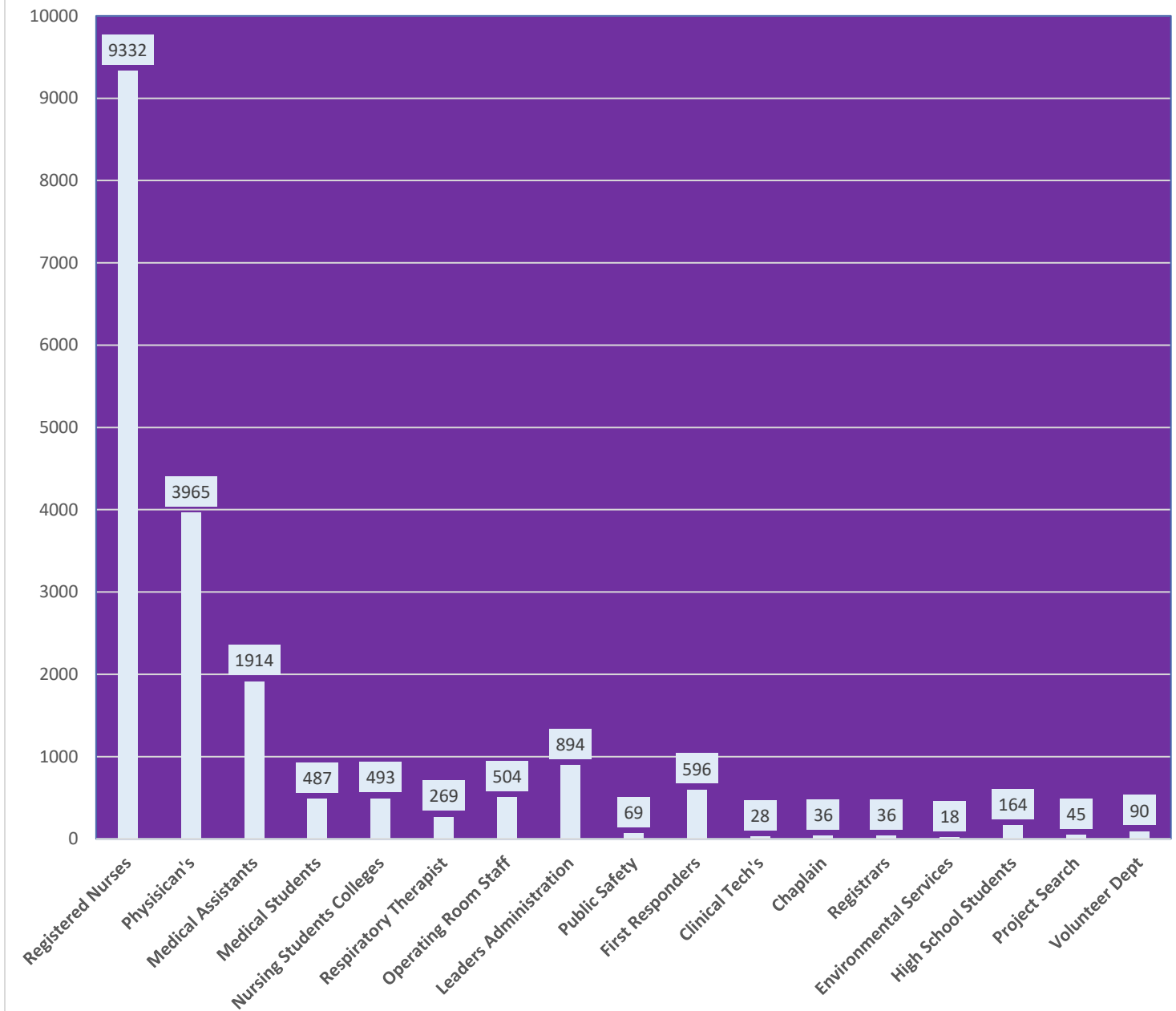
All our Simulation Faculty/educators are given the opportunity to attend our full day faculty development workshop training to learn the basics of simulation training and best practices.



Learner Hours

Data indicates total learner hours by discipline during September 2022-September 2023. 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. Total learner hours for 2023 are 18,689 as compared to 2022 9,992, an increase of 100%!!!!. In total, the Simulation Center has provided 658 classes, simulations, and training classes during this time period

Learner Hours for 2023



Total learner hours for 2023 is 18,689.

Total number of events is 658.

Total number of learners is 4320.

Immersive Interactive Room -- 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. Our learners have created immersive scenarios in this room like our ECHO bootcamp (pictured below), RN escape rooms, NICU scenarios, Anaphylaxis shock in a cat scan machine



Above is the Echo Cardiogram Bootcamp Immersive Scenario that Dr Alina Chevtsov built during her 2-week fellowship training in her Internal Medicine resident program. This innovative scenario will assist the Internal Medicine residents in enhancing their Ultrasound knowledge and skills.



Our first responders pictured above are training in our Immersive Interactive room by Echo Healthcare in a high-risk scenario where a patient fell off a ladder at their house and the first responders had to attend and evaluate the trauma patient in a timely and thorough manner. Our first responders frequently utilize our simulation center to train in high-risk low frequency scenarios.

Inter-agency Collaboration



NCH



Cardiac Catheterization Lab



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

FSU STRIDE PROGRAM



Each year the Simulation Center hosts several workshops and tours including the Immokalee Foundation Students and the FSU SSTRIDE program. The students get an interactive workshop, tour, and get to interact with our high-fidelity manikins.

NAPLES HIGH SCHOOL CONJOINED TWINS



The Simulation Center hosts several high school tours and workshops throughout the year. The workshop pictured above is with Naples High School, “Project Lead the Way Students”. This program exposes the youth to healthcare. The high school juniors and seniors were given a year-long unfolding case study where they all played a role to separate conjoined twins. At the end of their case study, the students presented to a panel of NCH experts, and were given feedback from the NCH experts.

Achievements & Milestones



BECKER'S
Hospital Review
BUSINESS & LEGAL ISSUES FOR HEALTH SYSTEM LEADERSHIP

34 hospitals and health systems with great simulation and education programs | 2023

Hospitals and health systems with simulation and education programs see improved patient outcomes, reduced healthcare costs and enhanced patient safety. The following programs offer cutting-edge technologies, lifelike scenarios and safe environments that build provider confidence through practical application.

The NCH Judith and Marvin Herb Family
Simulation Center.

In 2023, the Judith and Marvin Herb Family Simulation Center was rated top 34 hospital systems with great simulation and education programs for 2023!!!!



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 students and nursing. We continue to foster relationships with local nursing colleges in 2023.

- Nearly 20,000 learner hours completed in 2023, doubling our learner hours from 2022!
- Invited lecture at the International Ultrasonics 2023 in Lisbon Portugal focused on simulation training at NCH
- The Penny and Bill Allyn Endowed Chair in Simulation appointed to Dr Harrington
- Julio Irizarry our simulation operations technician completed an invited advanced training and certification with Laerdal focused on mannequin performance, maintenance, and troubleshooting.

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