

NEWS IN SIMULATION: ANNUAL REPORT FY 2022



Simulation at Upstate

Mission:

To promote excellence in patient care by providing interactive educational experiences that support the growth and development of learners along the continuum of training and professional practice.

Vision:

To provide a transformational educational platform that contributes to a safer and more collaborative health care culture.



Simulation and Clinical Skills Centers FY 2022 Overview:

This past year, we saw a dramatic increase in interest and implementation of simulation encounters across Upstate programs and with our partners. The seeds of our ongoing work to increase the adoption of the Upstate Simulation Center through outreach and presentations, bolstered by ongoing faculty and staff development opportunities, have begun to flower as reflected in the sharp increases in participant hours as well as the number and variety of sessions developed and executed. The high-volume Upstate Clinical Skills Center continued to support thousands of simulated patient encounters (in both virtual, hybrid, and in-person formats) for Upstate and other programs while implementing new systems and amenities intended to improve the overall user experience.

We have expanded programming in the University Simulation Center to support both the hospital and university with a continuing focus on meaningful curricular integration in the colleges. We have expanded collaborations with internal and external partners to enhance simulation offerings and to further develop and cultivate pipeline programs geared toward prospective and future healthcare providers. Similarly, we continue to nurture our established Simulated Patients (SP) through feedback workshops, while also working to grow and diversify Upstate's SP pool to meet the needs of our faculty and learners and to be more reflective of the community. Finally, we have worked to provide more streamlined policies and practices for our users to further increase the adoption of simulation modalities and to decrease barriers to access.



Meet the Simulation Team

Simulation Center & Clinical Skills Center Staff:

Susan Barbour, Standardized Patient Educator, Clinical Skills Center

Darren Carboni, Director of IPE & Simulation

Sue Davie, Administrative Assistant, IPE & Simulation

Patricia Donohue-Carey, Standardized Patient Educator, Clinical Skills Center

Erin Graham, Manager of Simulation Services, Simulation Center

Steven Harris, Standardized Patient Program Director, Clinical Skills Center

Barbara Hinds, Administrative Assistant, Clinical Skills Center

Kate Miller, Simulation Operations Specialist, Simulation Center

Shannon Summers, Simulation Operations Specialist, Simulation Center

Simulation Advisory Board 2021-2023:

Sandra Banas, MST, RPA-C

Ann Botash, MD

Lauren Germain, PhD

Stephen Knohl, MD

Angela Love, MD

Amie Lucia, DO

Hesham Masoud, MD

Kevin Neville, PT, DPT, CCS

Caitlin Nye, MSN, RN, NPD-BC, CHSE

Bruce Searles, CCP, PhD

Angela Wratney, MD, MHSc, CHSE



Student Simulationists 2021-2022:

Felix Appiah, Student Assistant

Crystal Yelim Chung, Work-Study Student

Kaila Jimenez, Work-Study Student

Matthew Gibson Jarvis, Work-Study Student

Ken Lucas, Work-Study Student

Keren Valerus, Work-Study Student

Kaitlyn Wilson, Work-Study Student



Simulation in Action: By the numbers



Simulation Center

3,395
Participants

7,429
Participant
Hours

677
Encounter
Hours

667
Instructors

Instructors: Total presenting instructors (not unique)
 Participants: Total presenting participants (not unique)
 Participant Hours: The sum of the number of participants x
 The number of encounter hours
 Encounter Hours: The sum of actual session time

329
Supported
Sessions

Clinical Skills Center

7,300
Facilitated
Encounters

40+
Simulated
Patient Case
Trainings

13
SP Recruitment
Interview
Sessions for 30
Applicants

2
SP Feedback
Workshops



Clinical Skills Center Highlights

Quality Improvement



- Planned and facilitated seven clerkship case training sessions with Syracuse and Binghamton faculty, SPs, and staff ahead of 2022-23 AY to standardize practices across campuses.

Continuing Healthcare Education



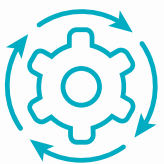
- Supported Internal Medicine Residency grant application from the AAIM/ABIM/ACP and the Macy Foundation: “Building Trust Through Diversity, Health Care Equity, and Inclusion in Internal Medicine Training”.
- SP development training included an opportunity for SPs to monitor new case encounters in order to provide valuable feedback about case portrayals, adherence to case content, as well as to identify opportunities for further case standardization. These are key components of delivering education that supports effective learner outcomes.

Community Engagement



- Created immersive human simulation sessions for two groups in the Accelerated Scholars program to promote Upstate as a destination of choice for future study among students with undergraduate degrees in arts and humanities.

Operations



- Implementation of SIMCapture Enterprise Cloud platform (ongoing work to manage technical issues; training on the system for SP Program Staff, students, faculty, and preceptors; building out all new and revived cases). Implementation of Standardized Patient Management System (SPMS) software to more effectively manage recruitment, communications, and scheduling of SPs.
- Trained select SPs to support administrative tasks related to quality assurance (e.g. video review, session proctoring). The Administrative Assistant role was expanded to full-time in the Clinical Skills Center. Continued exploration of alternative streams of SP recruitment as part of ongoing efforts to support SP pool diversification.

Simulation Center Highlights

Quality & Patient Safety



Vortex Airway Management Course

- Created as a pilot program and reaching team members from Anesthesia, Critical Care, Nursing, and Respiratory the course incorporates realistic difficult airway simulations that allow practitioners to become more familiar with Crisis Resource Management principles and the Vortex cognitive tools in order to improve emergent airway management. The Vortex approach is a shared mental model for approaching airway management that focuses on a team approach to help you secure the airway and resume ventilation and oxygenation.

Project Highlights

Simulation Instructor Development



- Over the past two years 70+ instructors from multiple specialties have successfully completed Center programming focused on simulation curriculum design, assessment, and debriefing best practices. These workshops have helped the Center further its mission by supporting the growth and development of Upstate instructors.

Expansion of ultrasound programs

• *Internal Medicine POCUS Workshop*

In its second year, this week-long multi-modal course for Interns covers topics such as abdominal, cardiac, vascular, and pleural ultrasound techniques.



• *Essentials of Point of Care Ultrasound*

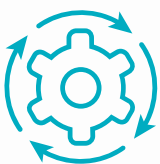
This two-day CME workshop provides hands-on experience to expose learners to the fundamentals of ultrasound for rapid assessment of acutely ill patients.

Nursing



- Expansion of Nurse Residency procedure training supporting the ongoing needs of Upstate's new-to-practice nurses
- Creation of immersive simulations for the College of Nursing Advanced Nursing Education Workforce (ANEW) learners

Operations



- Added two new Simulation Operations Specialist positions (in addition to work-study students) to increase the operational capacity of the Center in support of expanding program needs.
- In collaboration with the Upstate IMT team, completed the development and implementation of custom data tracking system for Simulation Center sessions and inventory management, as well as a self-serve wayfinding system to direct learners and instructors.

User Feedback:

Immersive Sessions

"Simulation is one of the best tools we have"

"Helped give exposure to acute care setting"

"Debriefing afterwards was very helpful and will impact my future practice"

"Extremely valuable to my learning and confidence"

"Talking through the management afterward was really helpful"

"Helped build a stronger foundation for addressing critical issues"

"Very realistic and safe space to learn"

"Great reflection on a real hospital scenario"

"These become more helpful the more we do them"

"Helped improve my clinical decision making"

"It put into perspective the challenges anticipated in real-time and how to overcome them"

"A non-judgmental environment that fosters learning"



Contact Us

Simulation Center



Weiskotten Hall 241
766 Irving Avenue
Syracuse, NY 13210



315-464-3848



upstatesimulation@upstate.edu



www.upstate.edu/simulation

Clinical Skills Center



Setnor Academic Building 531
766 Irving Avenue
Syracuse, NY 13210



315-464-5759



sprog@upstate.edu



www.upstate.edu/standardpatient



Don't forget to follow us!



@umusimulation



@umusimulation



@UpstateSims