



NYSIM

THE CITY UNIVERSITY OF NEW YORK | NYU GROSSMAN SCHOOL OF MEDICINE

ANNUAL REPORT FY 2024



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MESSAGE FROM THE ASSISTANT DEAN OF SIMULATION EDUCATION & THE ADMINISTRATIVE DIRECTOR

The New York Simulation Center for the Health Sciences (NYSIM) is a partnership between The City University of New York (CUNY) and the NYU Grossman School of Medicine (NYUGSOM), representing a multitude of health profession disciplines. Each learner comes to NYSIM with a common goal to build upon their technical, communication, and clinical reasoning skills to improve outcomes for patients. For more than 13 years, NYSIM has been a safe learning environment for students and clinicians to learn and practice healthcare delivery.

NYSIM is truly the hub of simulation healthcare education, and it comes as no surprise that our team members, much like the learners that come to NYSIM, not only understand the value of learning, but are driven to seek out new ways to hone their skills as simulation experts and leaders. We are in awe of their commitment to their professional development *and* the development of others. Whether they are discovering new ways to elevate and innovate their work or crafting development programs for faculty to learn how to run high quality simulations, our team equates learning with excellence and know you cannot have one without the other. A commitment to lifelong learning, with a touch of humility, is the hallmark of what distinguishes good from excellent.

We are incredibly impressed with our team members' individual and collective commitment to professional development and accomplishments. We would like to acknowledge:

- The entire team's participation in Crucial Conversations, a communication and feedback model, and DiSC®, a personality and workstyle assessment to understand each other's behavioral strengths, weaknesses and preferences to learn how to improve communication, productivity and teamwork.
- Cynthia Reyes, Simulation Specialist, for becoming a Certified Healthcare Simulation Operations Specialist® (CHSOS®) from the Society for Simulation in Healthcare (SSH).
- Porsche Scott, Sean Overstreet, Virginia (Ginny) Drda, Ryan Zurich, Lawrence (Larry) Pontrelli, Katie Allen, and Katie Tame who graduated from NYU Langone's competitive leadership development programs: Team Member Leadership Development Program (TLDP), Manager Leadership Development Program (MLDP), and Advanced Interprofessional Leadership Development Program (AILDP).

Over the last year, NYSIM directors and staff developed and delivered four new faculty development programs including:

- CUNY Simulation-Based Education (SBE) Webinar Series
- NYUGSOM NYSIM Comprehensive Simulation Education Course (NYCSE)
- CUNY KBCC - NYSIM Simulation Faculty Development Workshop
- NYUGSOM Emergency Medicine Simulation Fellows Didactic Program

These programs were created and tailored to meet the unique needs of the faculty learners (pages 8-11). NYSIM directors continue to provide ongoing mentorship and advice to faculty who are seeking to enhance new or existing programs through education consult meetings. The simulation learning community is bolstered by their efforts and enthusiasm for sharing resources and their expertise.

We applaud our team members' growth and accomplishments over the last fiscal year, and their willingness to learn from each other. We especially appreciate how they have applied new or enhanced skills and knowledge in their respective roles, elevating their work and the center as a whole.

This fiscal year 2024 annual report highlights NYSIM's accomplishments and demonstrates the success and strength of the CUNY and the NYUGSOM partnership.



Donna P. Phillips, MD
Assistant Dean
of Simulation Education



Katie E. Tame, MS, ACC, CPXP
Administrative
Director

MISSION, VISION, AND GUIDING PRINCIPLES

MISSION

The mission of NYSIM is to provide simulation education and research that fosters quality of care, patient safety, and effective communication with patients and among health care professionals.

VISION

NYSIM will be the hub of simulation education in the health sciences at CUNY & NYU Langone Health and through its simulation education and research, to improve health outcomes, equity, and safety.

GUIDING PRINCIPLES

We will:

1. Expand NYSIM accessibility for all learners
2. Assess educational and health outcomes through research and data analysis
3. Cultivate a culture of continuous improvement in our educational programs focusing on quality, safety, and research
4. Continue education consultations to ensure high-quality simulation activities across disciplines
5. Model teamwork, communications, respect, kindness, diversity, excellence, and collaboration throughout NYSIM to create a safe, non-judgmental learning environment
6. Increase our visibility locally, nationally, and globally



The New York Simulation Center for the Health Sciences (NYSIM), is a partnership between The City University of New York (CUNY) and the NYU Grossman School of Medicine (NYUGSOM).

STEERING COMMITTEE

The New York Simulation Center for the Health Sciences is governed by the NYSIM Steering Committee, composed of two representatives from The City University of New York (CUNY) and two representatives from the NYU Grossman School of Medicine (NYUGSOM).

NYSIM extends heartfelt gratitude to Dr. Patricia Simino Boyce who formally joined the steering committee in June 2020, and Dr. Steven Abramson who has served on the steering committee since 2010, one year prior to the center's opening. Together, they have provided invaluable counsel and guidance cementing NYSIM as one of the nation's premiere simulation education centers.

NYSIM warmly welcomes Ms. Crystal Mainiero and Mr. Gary Dine. They joined the steering committee in June and August of 2024, respectively, immediately demonstrating their support and advocacy of NYSIM's mission to serve CUNY and NYUGSOM. They will be instrumental in helping us chart a course for our continued impact.



Steven Abramson, MD
Executive Vice President and
Vice Dean for Education, Faculty and
Academic Affairs
NYU Grossman School of Medicine



Patricia Simino Boyce, PhD, RN
University Dean for Health and
Human Services
The City University of New York



Crystal Mainiero, MPA
Associate Dean for Academic
Planning and Innovation
NYU Grossman School of Medicine



Gary Dine, MBA
Senior University Dean for Budget
and Administration
The City University of New York

With great gratitude, we acknowledge Robert Maruca and Kirk Lawson's service to NYSIM and their enduring legacy as former steering committee members. The continuous improvement in our educational programs is a result of Robert and Kirk's significant contributions and commitment to NYSIM. Robert Maruca served as a CUNY representative from 2014 to 2024, and we wish him well in the next stage of his career. Kirk Lawson served as a NYUGSOM representative from 2019 to 2024. We congratulate him on his retirement.



Robert Maruca, MPA
Associate University Provost for Planning
The City University of New York



Kirk Lawson, MBA
Associate Dean for Academic Planning and Innovation
for Education, Faculty, and Academic Affairs

NYSIM UTILIZATION AND IMPACT

In the last fiscal year,
21,900 learners and faculty participated in simulation education activities
323 programs
2,120 sessions
6,867 hours of instruction

DATA KEY

Program: Number of distinct education programs by course or specialty

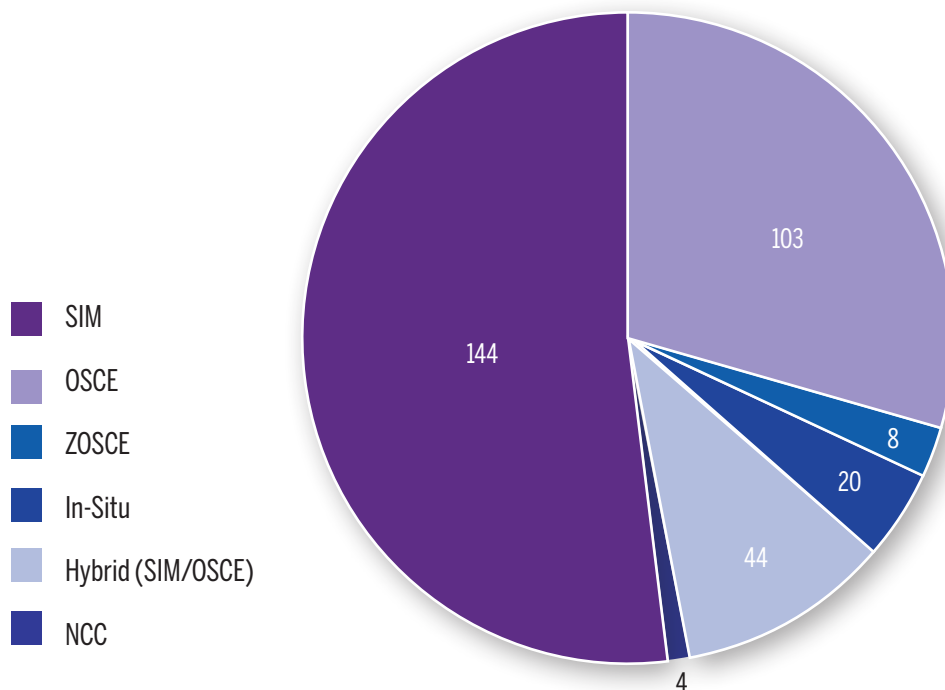
Session: Each instance of an education program is considered a session

Hours of Instruction: Duration of education programs

Program Type:

- **SIM:** Simulation programs using task trainers or manikins
- **OSCE:** Programs using Standardized Participants (SPs)
- **ZOSCE:** OSCE programs held virtually
- **In-Situ:** Programs occurring in a clinical setting
- **Hybrid (SIM/OSCE):** Programs involving both SIM and OSCE components
- **NCC:** National Certification Courses, including BLS, ACLS, and PALS

FY24 PROGRAMS BY PROGRAM TYPE





SIM Programs: Top 3 Content Areas

- Physical Examinations
- Pediatric Emergencies
- Trauma Management

SP Programs: Top 3 Content Areas

- Communication
- Treatment Plan and Management
- Patient Education and Counseling

EDUCATION CONSULTS

NYSIM directors provided **154** education consultations in support of faculty seeking to develop new programs or enhance existing programs. Of these, **116** were initial consultations and **38** were follow-up meetings.

INITIAL CONSULTS	FOLLOW-UP MEETINGS	TOTAL MEETINGS
116	38	154

TOURS

39 tours took place at NYSIM for students, fellows, faculty, educators, and administrators from the United States and around the world, including Spain, Israel, Japan, and Tanzania.



Expand NYSIM accessibility for all learners



Increase our visibility locally, nationally, and globally

FACULTY PROFESSIONAL DEVELOPMENT PROGRAMS

FUNDAMENTALS OF SIMULATION EDUCATION (FUSE) COURSE

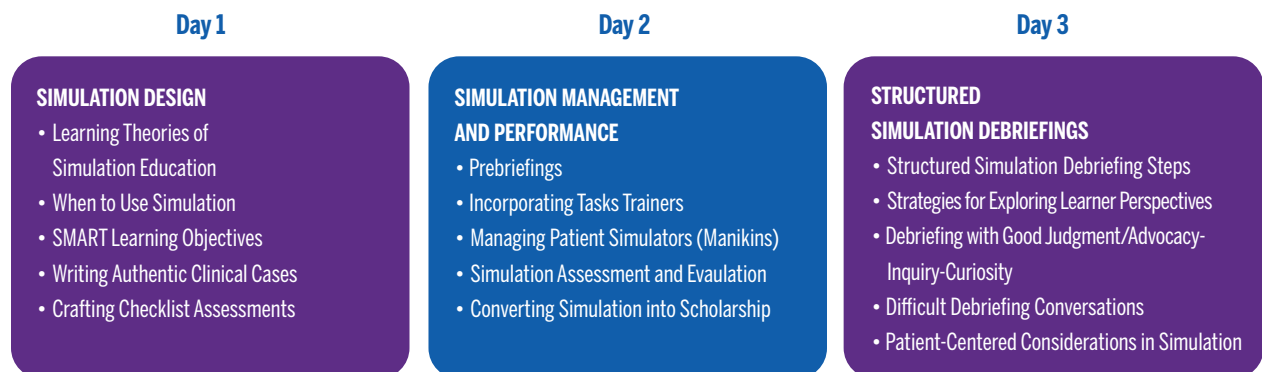
The Fundamentals of Simulation Education (FUSE) Course is a comprehensive course for all levels of simulation instructors. The FUSE 3-Day curriculum includes simulation design, simulation management, case development, and structured simulation prebriefing and debriefing. Participants gain the tools to craft their own learning objectives for a simulation, write their own case scenario and checklist of simulation performance and practice their simulation debriefing with a community of educators.

Programmatic results have been presented at the Northeast Group on Educational Affairs (NEGEA) and the International Meeting for Simulation in Healthcare (IMSH) by NYSIM Directors Drs. Pradhan, Agnant and Penalo. Lessons learned were published in the prestigious *Journal of Medical Education*:

Pradhan D, Penalo L, Agnant J. Lighting the FUSE to spark simulation best practices. *Med Educ.* 2024 May;58(5):578-579. doi: 10.1111/medu.15344. Epub 2024 Feb 17. PMID: 38366674



FUSE 3-DAY CURRICULUM



SIMULATION TECHNOLOGIES AND OPERATIONS (STO) COURSE

The Simulation Technologies and Operations (STO) Course provides CUNY simulation support staff and faculty with the skills and confidence to operate human patient simulators (manikins) and manage control computers, audio-visual equipment, and networking technologies at their home institutions. Two courses were held in FY24, with a total of **14** attendees across **6** CUNY campuses.

STO Course evaluation data demonstrated:

- Participants' confidence gains in managing simulation technologies and operations
- Participants were highly satisfied with course components, instructors, and delivery
- Supporting behavioral outcomes, all learners prepared a simulation environment and managed a high-fidelity simulation during this course

STO Course evaluation results revealed that participants enjoyed:

"The pace, faculty, and overall objectives"

"Interactiveness"

"The attention to detail for the different learners"

"The demonstration and walkthrough of high fidelity sim models"

"All information that was provided and resources shared"

"Clear directions and opportunities to learn"

"The nonjudgmental, and comfortable learning environment"



NYUGSOM NYSIM COMPREHENSIVE SIMULATION EDUCATION (NYCSE) COURSE

The NYUGSOM NYSIM Comprehensive Simulation Education (NYCSE) Course provided extensive training on simulation-based education to an esteemed group of physicians and nurses who oversee education for healthcare professionals in Ghana. The AMPATH Ghana group is comprised of clinicians and nurses specializing in anesthesia, education, internal medicine, pediatrics, obstetrics and gynecology, neurosurgery and urology.

The 5-day course curriculum included: 1) simulation design, management, prebriefing and debriefing; 2) simulation administration; 3) standardized participant case development, SP training and implementation; and 4) simulation assessment, evaluation, and scholarship. At the conclusion of the course, participants received the NYCSE Resource Guide, equipped with helpful resources to manage their simulation center in Ghana.



CUNY SIMULATION-BASED EDUCATION (SBE) WEBINAR SERIES

In Fall 2023, NYSIM directors Drs. Penalo, Pradhan and Agnant facilitated the Simulation-Based Education (SBE) Webinar Series. The SBE Webinar Series provided **4** interactive synchronous online workshops in the areas of simulation design and modalities, simulation prebriefing, simulation debriefing and simulation evaluation and scholarship. CUNY faculty were able to network with NYSIM directors and other CUNY educators. In total, **68** CUNY faculty attended the SBE Webinar Series in FY24. To learn more about the SBE Webinar Series, visit <https://nysimcenter.org/sbe-webinar-series>.

FY24 SBE Webinar Series Topics:

Simulation Design
and Modalities

Simulation
Prebriefing

Simulation
Debriefing

Simulation Evaluation
and Scholarship

NYSIM SIMULATION EDUCATION NETWORK (SEN)

The NYSIM Simulation Education Network (SEN) launched in June 2023 and is led by Dr. Deepak Pradhan. NYUGSOM simulation educators are members of this collaborative networking group that share ideas, expertise and experiences to improve simulation education practices. FY24 NYSIM SEN meetings have covered a variety of topics and will be exploring more simulation-related professional development topics and foster collaborative simulations in the future.

FY24 NYSIM SEN Meeting Topics:

In-Situ Simulations
(9/15/23)

Using Simulation to Improve
Workplace Culture and
Patient Experience
(2/12/24)

Looking Back at
IMSH '24 and Reaching
Forward to 2025
(5/9/24)

CUNY KBCC - NYSIM SIMULATION FACULTY DEVELOPMENT WORKSHOP

On June 18 and 20, 2024, NYSIM and CUNY Kingsborough Community College partnered to host the CUNY KBCC - NYSIM Faculty Development Workshop. The workshop was facilitated by NYSIM Health Professions Director, Dr. Laura Penalo, and KBCC Nursing Assistant Professor and Simulation Coordinator, Dr. Christine Vaz. The 2-day in-person workshop overview included an introduction to simulation-based education where participants learned how to facilitate a high-quality simulation and practice prebriefing, management, and debriefing. A total of 9 CUNY faculty specializing in critical care, education, internal medicine, and psychiatry attended this experiential workshop.

Workshop evaluation data demonstrated:

- Participants' confidence gains in facilitating a high-quality simulation
- Participants were highly satisfied with course components, instructors, and delivery
- Supporting behavioral outcomes, learners prebriefed, managed, and debriefed their simulation scenarios during this workshop

NYUGSOM EMERGENCY MEDICINE SIMULATION FELLOWS DIDACTIC PROGRAM



To support the development of trainees and junior faculty with an interest in simulation-based medical education (SBME), we implemented an eight-session didactic series as an extension of our Fundamentals of Simulation Education (FUSE) course. This series covered a wide range of advanced topics, including: simulation administration, financial management, simulation and Objective Structured Clinical Examinations (OSCEs), operations, standardized participant (SP) training and recruitment, assessment and evaluation strategies, simulation technology and IT, patient simulator management, and moulage techniques.



NYSIM PROGRAMS AT A GLANCE (FISCAL YEAR 2024)

SIMULATION (SIMULATOR AND TASK TRAINER BASED) PROGRAM

NYSIM's Simulation (Simulator and Task Trainer Based) Program uses realistic scenarios to provide learners with opportunities to practice clinical skills, communication, and teamwork in a safe environment representing various clinical settings. Programs are developed and supported by the simulation team and can be delivered on-site at NYSIM, in a healthcare setting, or virtually.

TOTAL PROGRAMS AND SESSIONS			
Fiscal Year	Total Programs	Total Sessions	Total New Programs
FY24	164	752	31

New Programs

Supported a total of **31** new programs, including:

CUNY:

- CUNY School of Medicine M3 Peds SIM
- Hunter Clinical Nutrition 2: Intro to Clinical Environment

NYULH:

- NYULH Berenson Scholar POCUS Olympics SIM/OSCE
- GME Pediatrics Residency Global Health SIM



Pablo Heredia pictured with a manikin that is connected to the Triple Lumen Catheter

INNOVATIVE SIM TEAM SOLUTIONS

The NYSIM Simulation Team devised a workaround to create a functioning Triple Lumen Catheter to allow for the pushing of fluids, improving the simulation education for multiple simulation programs.



(Left to Right) Virginia (Ginny) Drda, Margaret (Meg) Anderson, Sean Overstreet and Willie Lombeida

STANDARDIZED PARTICIPANT (SP) PROGRAM

NYSIM's Standardized Participant (SP) Program runs and supports Objective Structured Clinical Examinations (OSCEs) at NYSIM, remotely and in a hybrid model to measure a learners' clinical competence in performance based timed testing.

Variations of OSCEs are dependent on educational goals and objectives of activities where SPs, who are trained in assessing and delivering effective feedback, portray a wide variety of cases and roles. **135** standardized participants employed by NYSIM reflect the diversity of our patient population.

TOTAL PROGRAMS AND SESSIONS			
Fiscal Year	Total Programs	Total Sessions	Total New Programs
FY24	154	477	21

STANDARDIZED PARTICIPANT (SP) QUALITY ASSURANCE

NYSIM Senior SP Educator Virginia (Ginny) Drda, and NYUGSOM OME SP Educator Margaret (Meg) Anderson, implemented a formal process for conducting and tracking quality assurance (QA) of SP case portrayal and feedback skills, which focused on providing specific, constructive, and timely feedback to new hires and SPs new to cases.

- SP Educators conducted **193** observations across **45** distinct programs and **89** cases
- The observed SPs performed exceedingly well, averaging **99%** in professionalism, **96%** for case portrayal and **95%** for verbal feedback
- Virginia (Ginny) Drda, and Margaret (Meg) Anderson, co-presented "Measuring Our Success: A Standardized Participant Quality Assurance Program" at the Association of Standardized Patient Educator (ASPE) Conference in June 2024



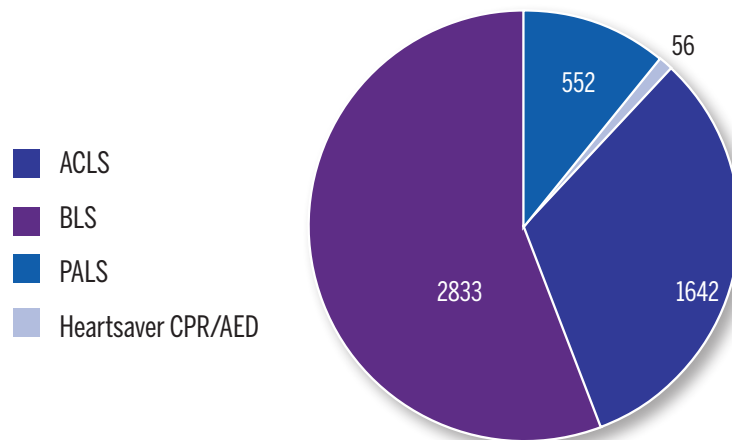
NATIONAL CERTIFICATION COURSES (NCC)

The National Certification Courses (NCC) Program offers American Heart Association's Advanced Cardiovascular Life Support (ACLS), Basic Life Support (BLS), Pediatric Advanced Life Support (PALS), and Heartsaver CPR/AED courses. Since 2019, the program is a registered training site in partnership with the NYU Long Island School of Medicine (LISOM) AHA Training Center.

Accomplishments

- Trained **5,083** learners
- Successfully trained and provided approximately **490 BLS, ACLS, PALS certifications** to the new cohort of house staff with the NYUGSOM Graduate Medical Education Office (GME)

FY24 PARTICIPANTS



NOTEWORTHY AT NYSIM

CASE CATALOGS

NYSIM developed and implemented scenario case catalogs for both manikin-based simulations and Objective Structured Clinical Examinations (OSCEs). NYSIM directors, with faculty author permission, can now access and retrieve cases to share with faculty educators who are developing new cases or seeking to enhance current simulation education programs. This growing, internal resource has more than **100** cases.



Assess educational and health outcomes through research and data analysis

NEW EQUIPMENT

In FY24, NYSIM acquired a new SimNewB infant simulator, “**Riley**”, with wireless abilities to provide CUNY and NYUGSOM learners and faculty with the adaptability and flexibility to perfect their skills during programs, in any space at NYSIM.

Riley's features include:

- Umbilical blood and cords
- Meconium aspiration module
- Silicone airway lubricant
- Leg Skins (Left and Right)
- 10 leg patches



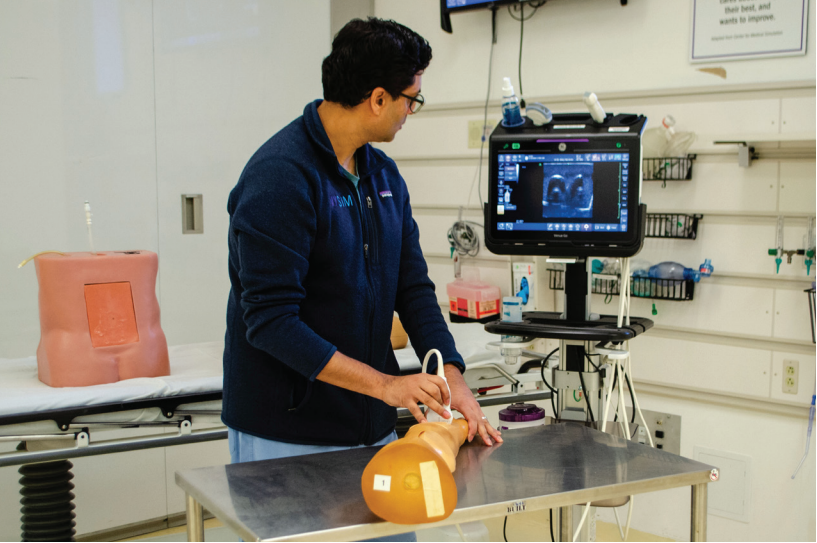
Porsche Scott



Donna Phillips



Deepak Pradhan



Deepak Pradhan



Deepak Pradhan

NYSIM also acquired **5** new **Venue Go R4 Ultrasound machines**. The portable ultrasound systems provide GME, CME and UME learners and faculty with precise imaging quality to facilitate seamless training programs.

Venue Go R4 Ultrasound features include:

- AI capabilities
- Larger screen
- Enhanced image quality
- Easy to clean touchscreen
- All probes stored on the machine
- Smart cable management that keeps cords off the ground and out of the way

FIRST NIGHT ON-CALL (FNOC) INTERN ORIENTATION

The 8th First Night On-Call (FNOC) Intern Orientation was held on June 26 and 27, 2024. FNOC is a patient safety orientation for all incoming interns. In three hours at NYSIM, the interns participate in three different simulations and debriefs to increase their awareness of patient safety best practices, and fostering workplace culture and patient centered care. Over the two-days, **237** interns across **18** residencies participated in the orientation.

FNOC evaluation survey results revealed:

> 89% of interns reported improvement in comfort

> 95% of interns reported improvement in knowledge

> 91% of interns agreed or strongly agreed that the activities increased readiness for internship

> 97% of interns agreed or strongly agreed the orientation was an effective way to learn patient safety

COMMUNITY OUTREACH PROGRAMS

NYSIM is proud to report that our community outreach initiatives have grown this year. NYSIM provided consultation and support to **3** NYU Langone Health (NYULH) faculty and **1** Human Resource (HR) professional who ran **4** distinct programs at NYSIM for a total of **5** sessions. The goal of the outreach program is to expose students from varied backgrounds to careers in the health professions. Programs highlighted orthopedics, radiology, respiratory therapy, CPR and exposed learners interested in STEM careers to a broad range of allied health profession skills. A total of **195** students participated in the **4** programs.

Understanding the value of experiential education, and with the goal to reach more local and regional high school students, NYSIM established a program to maximize students' experience with more sustainable planning and resources. The hour-long program was offered between December 2023 and July 2024 for **8** schools/organizations with a total of **126** high school students in attendance.

DEAN'S HONORS DAY



(Left to Right) Donna Phillips and Joanne Agnant at Dean's Honors Day



(Left to Right) Donna Phillips and Steven Abramson at Dean's Honors Day

NYSIM is proud to highlight that three of our leaders were honorees at the 2023 Dean's Honors Day, NYU Grossman School of Medicine's (NYUGSOM) annual celebration of faculty excellence and achievements. Joanne Agnant, MD was promoted to Clinical Associate Professor in the Division of Pediatric Emergency Medicine, and Deepak Pradhan, MD was promoted to Associate Professor of Medicine.

Donna Phillips, MD was recognized as Master Educator. Each year, three distinguished members of the faculty are named Master Clinician, Master Educator, and Master Scientist in recognition of their professional achievements and enduring impact on NYU Langone.

Dean Robert I. Grossman, MD spoke to Donna's tremendous impact at the ceremony: *"Donna has been a vital part of our ascension as the best academic medical center in the country, improving both our educational and clinical pillars through the work of the New York Simulation Center, the explicit connector between the two. She has brought [education] to our faculty that are making students and residents better prepared to work with patients and improving our quality and safety outcomes."* Here at NYSIM we get to witness Donna's mastery firsthand, and we couldn't be more grateful for her expertise and leadership. Please join us in extending our congratulations to Donna, Deepak, and Joanne on their most recent honors!

TEAM ENGAGEMENT COMMITTEE

NYSIM's Team Engagement Committee (TEC) hosted several events to foster community, resource-sharing, and professional development for our team.

In FY24, the TEC hosted:

- NYSIM's Annual Holiday Bake-Off
- Ugly Sweater Contest
- Seasonal NYSIM Potlucks
- Quarterly Birthday Celebrations
- Wellness Spotlights on wellbeing resources and events at NYULH, reviewed weekly
- Wellness presentation titled 'Avoid Burnout & Address Stress'
 - Presented by Dr. Thea Gallagher, Clinical Assistant Professor of Psychiatry and Director of Cobalt
- Staff Professional Development Workshops facilitated by Antoinette Johnson, Leadership Development Specialist of the NYU Langone Academy
 - **DiSC® Assessment:** Behavioral assessment tool that is used to improve teamwork, communication and productivity in the workplace
 - **Crucial Conversations:** Structure for having difficult conversations including feedback

NYSIM thanks all the professional development content experts who collaborated with us this year!



(Left to Right) Virginia (Ginny) Drda and Brielle Blatt at the NYSIM Thanksgiving Potluck 2024



Crystal Mitchell at the NYSIM Thanksgiving Potluck 2024



(Left to Right) Lawrence (Larry) Pontrelli and Gene Mamaril at the NYSIM Thanksgiving Potluck 2024



Laura Penalo at the NYSIM Annual Holiday Bake-Off 2024



(Left to Right) Donna Phillips and Stacy Lee at the NYSIM Annual Holiday Bake-Off 2024



Pablo Heredia at the NYSIM Annual Holiday Bake-Off 2024

NYSIM STAFF PROFESSIONAL DEVELOPMENT

NYSIM extends congratulations to our team members on the successful completion of their professional development programs and certifications provided by the NYU Langone Academy and the Society for Simulation in Healthcare (SSH). The NYU Langone Academy professional development programs provided structured learning sessions and peer mentoring meetings all while offering space to develop meaningful relationships with participants from NYULH.

NYSIM Congratulates:

1. **Administrative Director, Katie Tame**, for graduating from the Advanced Interprofessional Leadership Development Program (AILDP)
2. **Program Manager, Ryan Zurich** and **Assistant Director, Katie Allen** for graduating from the Manager Leadership Development Program (MLDP)
3. **Administrative Coordinator, Porsche Scott; Simulation Specialist, Sean Overstreet; Senior SP Educator, Virginia (Ginny) Drda**; and **NYSIM Trainer, Lawrence (Larry) Pontrelli** for graduating from the Team Member Leadership Development Program (TLDP)
4. **Simulation Specialist, Cynthia Reyes**, for receiving her certification for the Certified Healthcare Simulation Operations Specialist (CHSOS)



Cynthia Reyes



(Left to Right) Ryan Zurich and Katie Allen



(Left to Right) Katie Tame and Donna Phillips



Lawrence (Larry) Pontrelli



(Left to Right) Donna Phillips, Porsche Scott and Katie Tame



(Left to Right) Brielle Blatt, Virginia (Ginny) Drda, Antoinette Johnson of the NYU Langone Academy and Sean Overstreet

LGBTQ+ HEALTH & WELLNESS PANEL: HOSTED BY NYULH

NYSIM Program Manager, Ryan Zurich, was a panelist for the How to be an Ally: Panel Discussion on June 10th, 2024. Ryan was joined by NYU Langone Health staff across campuses and intersections of identities, and this panel was designed to demystify allyship within our professional communities.

In celebration of LGBTQ+ Pride month, NYULH hosted a week of webinars featuring a diverse range of topics and speakers called LGBTQ+ Health & Wellness: A Celebration of Pride and Beyond at NYU Langone Health. This webinar series highlighted some of the exciting work that the NYULH community is doing across our system, working collaboratively and independently towards inclusivity for the LGBTQ+ community.

IT ADVANCEMENTS

Senior Systems Analyst, Tom Vongbandith and IT Systems Analyst II, Gene Mamaril of NYSIM IT successfully prepared and guided NYSIM staff through the Windows 11 migration, ensuring that compliance and security requirements were met by all personnel.

NYSIM IT was also instrumental in replacing **30** laptop computers to improve the performance of center hardware in support of simulation education.

NYSIM EXPERIENCE SURVEY ESTABLISHED

NYSIM launched an experience survey for instructors and program coordinators to gather valuable feedback that will be used to enhance our systems, operations and technological advances. All instructors and program coordinators are invited to complete it following every NYSIM visit, as we are committed to providing instructors, program coordinators and their learners with an optimal education experience.

Feel free to reference this report to submit future survey responses using the QR code below:



SCHOLARLY CONTRIBUTIONS



(Left to Right) Deepak Pradhan, Joanne Agnant, Donna Phillips and Laura Penalo at the NYUGSOM Eighth Annual Medical Education Innovations & Scholarship Conference

PUBLICATIONS

Zakin E, Abou-Fayssal N, Lord AS, Nelson A, Rostanski SK, Zhang C, **Zabar S**, Galetta SL, Kurzweil A. Curriculum innovation: A standardized experiential simulation curriculum equips residents to face the challenges of chief year. *Neurol Educ*. Jul 12, 2024;3(3):e200138. doi: 10.1212/NE9.000000000200138. PMID: 39359660; PMCID: PMC11419294

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Sagalowsky ST, Woodward H, **Agnant J**, Bailey B, Duncan E, Grad J, Kessler DO. Structural competency in simulation-based health professions education: a call to action and pragmatic guide. *Simul Healthc*. Published online January 9, 2024. doi: 10.1097/SIH.0000000000000759. PMID: 38197665

Beltran C, **Pradhan D, Phillips D, Agnant J, Tame K, Blatt B**, Keltz L, Manko J, **Zabar S**. Are incoming interns prepared for patient safety? New York University Grossman School of Medicine 5-year experience. *Academic Medicine*. November, 2023; 98(11S). S193-S194. doi: 10.1097/ACM.0000000000005350

Penalo, L. M. Effects of the virtual simulation prebriefing-debriefing educational strategy on nursing students' self-efficacy and virtual simulation performance: a quasi-experimental study. *Clin Simul Nurs*. September, 2023; 82:1-13. doi: 10.1016/j.ecns.2023.101431

ORAL AND WORKSHOP PRESENTATIONS

Drda V, Blatt B, Anderson M, **Tame K, Allen K, Phillips D, Zabar S**. Measuring our success: a standardized participant quality assurance program. Oral presentation at: Association for Standardized Patient Educators (ASPE) Annual Conference; June, 2024; Vancouver, BC.

Pradhan D, Penalo L, Heredia P, Zabar S, Phillips D, Agnant J. Fundamentals of simulation education course: lighting the FUSE to spark simulation best practices. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.

Agnant J, Williams R, **Pradhan D**, Beltran C, Torres C, Fagan I, **Phillips D, Zabar S**. Equitable care starts here: incorporating health equity into First Night on Call intern patient safety orientation. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.

Torres C, Fagan C, Porter B, Beltran C, Greene R, **Phillips D, Agnant J, Pradhan D, Zabar S**. From student to intern, witness to upstander: preparing incoming interns to respond to discriminatory patient behavior through simulation. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.

Pradhan D, Talan J, Kwok B, Barnett C, Deshwal H, McGuire E, Lehr A, Heyman B, Prutzer A. POCUS for pulmonologists: fellow-designed longitudinal point-of-care ultrasound course crafted through four-component instructional design. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.

Robak M, Reinstein I, Gillespie C, Kosciwa N, Crotty K, Kudlowitz D, Rosenfeld M, Harnik V, **Zabar S**, Wichterle K, Schaye V. Validating clinical skills competency assessment: internal consistency analysis of the redesigned NYU Grossman School of Medicine 7-station comprehensive clinical skills examination. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.

Heller R, Wallach A, Hochman K, **Zabar S**. Mpox simulation: a nimble educational tool during an emergent public health outbreak. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.



(Left to Right) Margaret (Meg) Anderson and Virginia (Ginny) Drda at the Association for Standardized Patient Educators (ASPE) Annual Conference



(Left to Right) Deepak Pradhan and Joanne Agnant presenting at the Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference



Deepak Pradhan at the Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference with Best Oral Abstract Presentation Award

Pradhan D, Paulis J, Huppert E, Jurewicz A, Stern D. Fellows teaching faculty: A qualitative study exploring reverse educational distance near-peer education. Oral presentation at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY. **Best Oral Abstract Presentation Award.**

Hillier E, Heller R, Sartori D, **Zabar S**, Hayes R. Taking note: assessing residents' medical chart documentation during a post-discharge telemedicine visit with a standardized patient. Oral Presentation presented at: NYU Langone Health's 2024 Department of Medicine Research Day; May, 2024; New York, NY.

Torres C, Morales D, Whitley A, Heller R, Horlick M, Porter B, Greene R, **Zabar S**. Co-producing an inclusive learning environment: residents and faculty design OSCEs to address bias by patients. Oral presentation at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Pradhan D, Whealdon J, Adelman M. Incorporating health equity, diversity, and inclusion (EDI) into simulation-based medical education. Workshop presentation at: Association of Pulmonary and Critical Care Medicine Program Directors (APCCMPD) Annual Meeting; February, 2024; Las Vegas, NV.

Reuland B, Andriotis A, Lubinsky A, Addrizzo-Harris D, **Pradhan D**. The "ECMO-Track": development of a longitudinal curriculum for critical care fellows with special interest in extracorporeal life support. Oral presentation at: Association of Pulmonary and Critical Care Medicine Program Directors (APCCMPD) 2024 Annual Meeting; February, 2024; Las Vegas, NV.



(Left to Right) Joanne Agnant, Deepak Pradhan and Laura Penalo at the International Meeting on Simulation in Healthcare (IMSH)

Pradhan D, Penalo L.M., Agnant J. Fundamentals of simulation education course: lighting the FUSE to spark simulation practices. Oral presentation at: International Meeting on Simulation in Healthcare (IMSH); January, 2024; San Diego, CA.

Pradhan D, Talan J, and Andriotis A. Applying four-component instructional design (4C/ID) to longitudinal simulation-based education. Workshop presentation at: International Meeting on Simulation in Healthcare (IMSH); January, 2024; San Diego, CA.

Beltran C, **Pradhan D, Phillips D, Agnant J, Tame K, Blatt B**, Buckvar-Keltz L, Manko J, **Zabar S**. Are incoming interns prepared for patient safety? NYU Grossman School of Medicine five-year experience. Oral Presentation at: Association of American Medical Colleges (AAMC) Annual Meeting; November, 2023; Seattle, WA.

Pradhan D, Kwok B, Barnett C, Deshwal H, McGuire E, Lehr A, Heyman B, Pratzler A, Talan J. POCUS for pulmonologists: fellow-designed longitudinal point-of-care ultrasound course crafted through four-component instructional design. Oral presentation at: Chest International Conference; October, 2023; Honolulu, HI.

Beltran C, **Pradhan D, Phillips D, Agnant J, Tame K, Blatt B**, Buckvar-Keltz L, Manko J, **Zabar S**. Reported exposure and comfort with patient safety behaviors continues to be low: our 5-year survey of incoming interns to our healthcare system. Oral presentation at: AMEE 2023; August, 2023; Glasgow, UK.

POSTER PRESENTATIONS

Beltran C, Buckvar-Keltz L, **Blatt B, Agnant J, Pradhan D**, Manko J, **Tame K, Phillips D**, Wilhite J, Heller R, **Zabar S**. Reported exposure and comfort with patient safety behaviors continues to be low: our 5-year survey of incoming interns to our healthcare system. Poster presented at: Northeast Group on Educational Affairs (NEGEA) 2024 Annual Conference; May, 2024; New York, NY.

Duncan E, **Agnant J**, Napoli, Mejia S, Landdeck P, Sagalowsky S. Development and implementation of a family presence facilitator curriculum for interdisciplinary use in pediatric medical resuscitations. Poster presented at: Northeast Group on Educational Affairs (NEGEA) Annual Conference; May, 2024; New York, NY.

Beltran C, Nick M, Altshuler L, Manko J, **Zabar S**, Buckvar-Keltz L. Is less more? Exploring relationship between number of WISE-OnCall modules assigned to incoming interns and their attitudes towards learning. Poster presented at: Northeast Group on Educational Affairs (NEGEA) Annual Conference; May, 2024; New York, NY.

Whitley A, Torres C, Fagan I, Williams R, Porter B, Beltran C, Greene R, **Phillips D, Agnant J, Pradhan D, Zabar S**. Building awareness of bias and burnout: a resident and faculty co-produced OSCE to address discrimination by patients. Poster presented at: NYU Langone Health's 2024 Department of Medicine Research Day; May, 2024; New York, NY.

Torres C, Fagan I, Williams R, Porter B, Beltran C, Greene R, **Phillips D, Agnant J, Pradhan D, Zabar S**. From student to intern, witness to upstander: preparing incoming interns to respond to discriminatory patient behavior through simulation. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Beltran C, Wilhite J, Nallamaddi S, Hardowar K, Hanley K, Crowe R, Horlick M, Porter B, Hauck K, Kalet A, Gillespie C, **Zabar S**, Ark T, Altshuler L. There's always room from improvement: exploring communication skills of internal medicine residents from PGY-1 to PGY-2 using longitudinal OSCE data. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Beltran C, Wilhite J, Nallamaddi S, Hardowar K, Hanley K, Crowe R, Horlick M, Porter B, Hauck K, Greene R, Adams J, Kalet A, Gillespie C, **Zabar S**, Ark T, Altshuler L. Where are we starting from? exploring trends in communication skills of incoming internal medicine residents using longitudinal OSCE data. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Gillespie C, Beltran C, Nallamaddi S, Hardowar K, Wilhite J, Hanley K, Crowe R, Horlick M, Porter B, Kalet A, **Zabar S**, Ark T, Altshuler L. Communication skills across the UME-GME continuum: information gathering and patient education and counseling improve from medical school to residency. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Wilhite J, Beltran C, Nallamaddi S, Hardowar K, Altshuler L, Hanley K, Crowe R, Horlick M, Porter B, Adams J, Greene R, Kalet A, Ark T, Gillespie C, **Zabar S**. Beyond an annual checkup: exploring the development of internal medicine residents' communication skills across residency training. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Heller R, Hillier E, Wilhite J, **Zabar S**, Sartori D, Hayes R. Hidden in plain sight: residents' post-discharge skills in a telemedicine visit with an announced standardized patient. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Beltran B, Nallamaddi S, Hardowar K, Wilhite J, Hanley K, Altshuler L, Gillespie C, **Zabar S**. Does modality make a difference? Comparing in-person and virtual resident performance to identify telehealth skill gaps. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Beltran C, Nick M, Altshuler L, Manko J, **Zabar S**, Buckvar-Keltz L. Is less more? Exploring the relationship between learner choice and number of educational modules assigned to incoming interns and their attitudes and engagement with Learning. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Hillier E, Heller R, Sartori D, **Zabar S**, Hayes R. Taking note: assessing residents' medical chart documentation during a post-discharge telemedicine visit with a standardized patient. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Mayevsky L, Hardwar K, Wilhite J, Altshuler L, Hanley K, Lee M, Holmes I, O'Connor J, Chen K, Kristal R, Jackson H, Wallach A, Gillespie C, **Zabar S**. Catching-up to care standards: comparing telehealth and in-person communication skills post-COVID-19 pandemic. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Heller R, Wilhite J, Hochman K, Wallach A, **Zabar S**. Clearing the air: counseling on the air quality index (AQI) and preventing asthma exacerbations during periods of poor air quality. Poster presented at: Society of General Internal Medicine (SGIM) Annual Meeting; May, 2024; Boston, MA.

Alviar C, Lorin J, Andriotis A, **Pradhan D**, Pashun R, Wan KL, Schimmer H, Padilla-Lopez M, Tarabanis C, Keller NM, Bangalore S, Baneras Rius J. Pulmonary artery catheter and veno-arterial ECMO training for cardiology fellows: evaluation of a simulation-based program. Poster presented at: European Society of Cardiology Acute CardioVascular Care 2024 Conference; March, 2024; Athens, Greece.

Grabinski Z, Sagalowsky S, **Agnant J**, Weber L, Flores C, Schwartz J, **Phillips D**. Patient safety intelligence system utilization in in-situ simulation: increasing the detection, reporting, and mitigation of unsafe conditions. Poster presented at: 13th Annual Quality and Safety Day, NYU Grossman School of Medicine; November, 2023; New York, NY.

Agnant J, Williams R, **Pradhan D**, Beltran C, Torres C, Fagan I, **Phillips D**, **Zabar S**. Equitable care starts here: incorporating health equity into First Night on Call intern patient safety orientation. Poster presented at: 13th Annual Quality and Safety Day, NYU Grossman School of Medicine; November, 2023; New York, NY.

Ark TK, Kalet A, Wargo E, **Zabar, S**. Are our near-graduates ready to integrate health care members and perform all activities needed on a shift during internship? Poster presented at: Association of American Medical Colleges (AAMC) Annual Meeting; November, 2023; Seattle, WA.

Torres C, Fagan I, Williams R, Porter B, Beltran C, Greene R, **Phillips D**, **Agnant J**, **Pradhan D**, **Zabar S**. From student to intern, witness to upstander: preparing incoming interns to respond to discriminatory patient behavior through simulation. Poster presented at: 13th Annual Quality and Safety Day, NYU Grossman School of Medicine; November, 2023; New York, NY.

Chandrabos C, Uy C, Biederman B, Ashamalla M, **Pradhan D**, Williams R, Feldman D, Villanueva G, Lee M, Goodman A. Cool under pressure: comprehensive kits and simulation-based training program to improve quality of Sengstaken-Blakemore tube placement. Poster presented at: 13th Annual Quality and Safety Day, NYU Grossman School of Medicine; November, 2023; New York, NY.



(Left to Right) Brielle Blatt, Virginia (Ginny) Drda and Laura Penalo at the NYUGSOM Eighth Annual Medical Education Innovations & Scholarship Conference

Pradhan D, **Penalo L.M.**, **Agnant J**, **Heredia P**, **Phillips D**, **Zabar S**. Fundamentals of simulation education course: lighting the FUSE to spark simulation practices. Poster presented at: NYU Grossman School of Medicine Eighth Annual Medical Education Innovations & Scholarship Conference; October, 2023; New York, NY.

Torres C, Fagan I, Williams R, Porter B, Beltran C, Greene R, **Phillips D**, **Agnant J**, **Pradhan D**, **Zabar S**. From student to intern, witness to upstander: preparing incoming interns to respond to discriminatory patient behavior through simulation. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY. **Best Poster in the category of GME & Health Equity**

Drda V, **Blatt B**, Anderson M, **Tame K**, **Allen K**, **Phillips D**, **Zabar S**. Measuring our success: a standardized participant quality assurance program. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY. **Best Poster in the category of UME-GME Curricular Innovations**

Voigt P, Shaw J, **Zabar S, Blatt B, Drda V**, Licciardi F. Simulation in reproductive endocrinology and Infertility (REI): an update in closing the counseling gap. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York, NY.

Duncan E, **Agnant J**, Napoli K, Mejia S, Landdeck P, Sagalowsky S. Development and implementation of a Family presence facilitator curriculum for interdisciplinary use in pediatric medical resuscitations. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York, NY.

Zakin E, Abou-Fayssal N, Lord A, Nelson A, Rostanski S, Zhang C, **Zabar S**, Galetta S, Kurzweil A. Assessment of behaviors following implementation of a standardized experiential simulation leadership curriculum for neurology chief residents. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York, NY.

Nallamaddi S, Hanley K, Crowe R, Ark T, Hardowar K, Altshuler L, **Zabar S**, Beltran C, Wilhite J, Gillespie C. Analyzing cohort differences on the communication skills of incoming medical students based on the introductory clinical examination (ICE) OSCE from 2009 to 2022. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY.

Beltran C, Wilhite J, Winchester Hayes R, LoSchiavo C, Adams J, Hauck K, Hanley K, Gillespie C, **Zabar S**, Greene R. Better than they think: residents underestimate their skills and lack confidence when caring for transgender patients in OSCEs. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY.

Heller R, Wilhite J, Phillips Z, Hochman K, Wallach A, **Zabar S**. Mpx simulation: a nimble educational tool during an emergent public health outbreak. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY.

Beltran C, Wilhite J, Winchester Hayes R, LoSchiavo C, Crotty K, Adams J, Hauck K, Crowe R, Kudlowitz D, Katz K, **Zabar S**, Greene R. Practice makes perfect: spaced repetition OSCEs involving transgender patients across the UME-GME continuum improves performance. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY.

Cerezo J, Cheloff A, Perreault G, **Zabar S**, Gillespie C, Poles M, Weinschel E, Williams R. What do differences in faculty and standardized patient scores of gastroenterology OSCEs suggest about the role of each evaluator? Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY.

Ark T, Wargo E, Crowe R, DeWitt D, Auerbach L, Schaye V, Dodson L, Francis M, Kalet A, **Zabar S**. How ready are our near-graduates for internship? Night-onCall immersive simulation data over time and across consortium schools. Poster presented at: Eighth Annual Medical Education Innovations & Scholarship Conference, NYU Grossman School of Medicine; October, 2023; New York NY.

Beltran C, **Pradhan D, Phillips D, Agnant J, Tame K, Blatt B**, Buckvar-Keltz L, Manko J, **Zabar S**. Reported exposure and comfort with patient safety behaviors continues to be low: Our 5-year survey of incoming interns to our healthcare system. Poster presented at: 2023 Society of General Internal Medicine (SGIM) Mid-Atlantic Regional Meeting; September, 2023; New York, NY.

Ark T, Wargo E, Crowe R, DeWitt D, Auerbach L, Schaye V, Dodson L, Francis M, Kalet A, **Zabar S**. How ready are our near-graduates for internship? Night-onCall Immersive simulation data over time and across consortium schools. Poster presented at: 2023 Society of General Internal Medicine (SGIM) Mid-Atlantic Regional Meeting; September, 2023; New York, NY.

Beltran C, Wilhite J, Winchester Hayes R, LoSchiavo C, Crotty K, Adams J, Hauck K, Crowe R, Kudlowitz D, Katz K, **Zabar S**, Greene R. Practice makes perfect: spaced repetition OSCEs involving transgender patients across the UME-GME continuum improves performance. Poster presented at: 2023 Society of General Internal Medicine (SGIM) Mid-Atlantic Regional Meeting; September, 2023; New York, NY.

Heller R, Wilhite J, Phillips Z, Hochman K, Wallach A, **Zabar S**. Mpx simulation: a nimble educational tool during an emergent public health outbreak. Poster presented at: 2023 Society of General Internal Medicine (SGIM) Mid-Atlantic Regional Meeting; September, 2023; New York, NY.

Ark T, Wargo E, **Zabar S**, Kalet A. How ready are our near-graduates to be on call? Some are and some aren't. Poster presented at: 2023 Society of General Internal Medicine (SGIM) Mid-Atlantic Regional Meeting; September, 2023; New York, NY.

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