



# FELLOWSHIP IN HEALTHCARE SIMULATION PROGRAM

**NYC**  
**HEALTH+**  
**HOSPITALS**

**SIMULATION  
CENTER**

# FELLOWSHIP IN HEALTHCARE SIMULATION



## Overview

Simulation and debriefing have been shown to enhance teamwork and patient care. Through practice and reflection, simulation-based activities can hone clinical and behavioral skills and foster confidence amongst healthcare professionals. Healthcare educators and quality improvement professionals agree on the efficacy of simulation as a key technique to improve healthcare systems and culture.

## Program Description

The purpose of the Fellowship in Healthcare Simulation is to receive advanced training in the field of simulation-based education through active participation in the development, delivery and evaluation of simulation programs. The program will provide the fellow with broad scholarly and practical exposure to the use of healthcare simulation/debriefing as an educational and quality improvement technique.

The NYC Health + Hospitals Simulation Center Fellowship Program is offered to candidates currently working within the hospital system. Each applicant will be considered on an individual basis with direct communication with the applicant's supervisor.



## Goals and Objectives

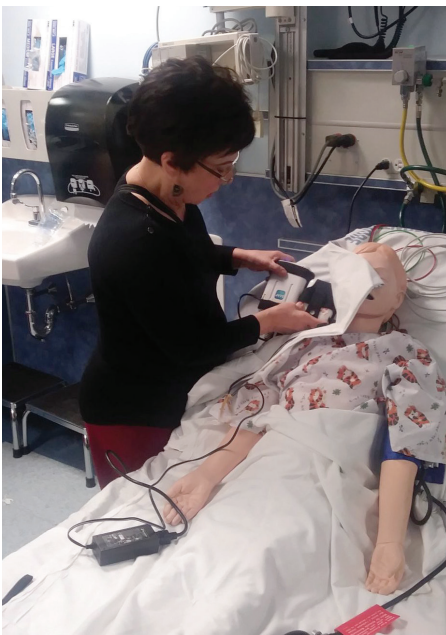
### GOAL

Upon completion of the fellowship, the participant will be skilled to develop, deliver and evaluate simulation courses for the purposes of training, quality improvement and research.

### OBJECTIVES

By the completion of the fellowship, the successful candidate will:

1. Understand the varied, effective applications of healthcare simulation/debriefing within healthcare education, patient safety/quality and systems improvement.
2. Demonstrate the application of simulation as a technique using multiple modalities and learning systems including, but not limited to:
  - Human Patient Simulators
  - Part-Task Simulators
  - Computerized Simulation Technologies
  - Virtual Reality Simulators
  - Simulation Audio-Visual Systems
  - Learning Management Systems
  - Data Management Systems related to research
  - Embedded Participants/Simulated Patients
3. Consider applications of simulation including, but not limited to:
  - Conception, design, development, implementation and evaluation (including scenario building, programming, and debriefing) of simulation courses.
  - Application and evaluation of simulation courses offered to a wide variety of participants at multiple levels of training including students, residents, fellows, attending physicians, nurses, and allied health professionals and administrative staff.
  - Development of a portfolio of simulation cases that have been peer evaluated.
  - Evaluation of debriefing skills assessed by using the Debriefing Assessment for Simulation in Healthcare (DASH) tool.



- Implementation of assessment and feedback to learners.
  - Presentation of work(s) at national/international meetings.
4. Develop a research agenda
    - Assist with the publication of one scholarly article and/or presentations at national and/or international level.

*Note: Presentations and publications during the Fellowship period will credit and cite Fellow's affiliation with the NYC Health + Hospitals Simulation Center.*
  5. Design a program that meets organizational needs, built upon tenets that include:
    - An understanding of the operation of a devolved simulation program, including, but not limited to governance and organization, equipment, human & fiscal resourcing and return on investment (ROI).
    - An understanding of faculty development.
    - Development of teamwork and communication skills.
    - An understanding of the implementation and evaluation of simulation-based strategies in health systems.



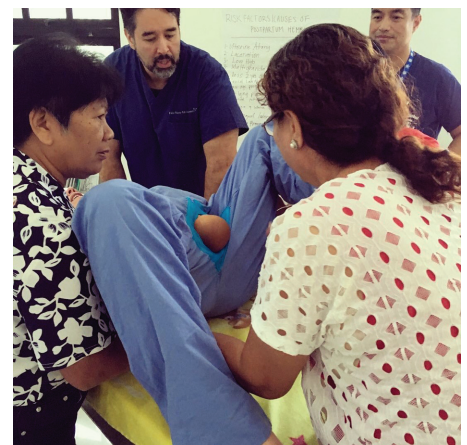
## Fellowship Outcomes

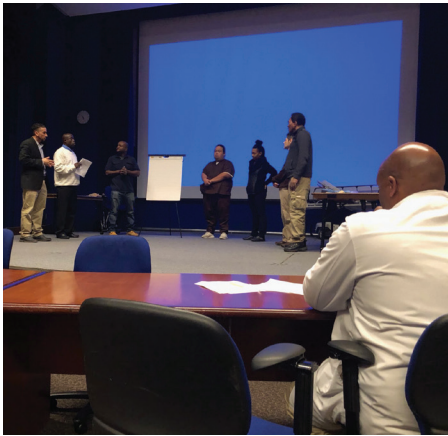
Fellowship outcomes will be achieved through:

1. Fellowship curriculum which addresses the following topics through attendance at Fellowship Development Days. The Fellowship curriculum is not limited to these topics and will include new trends in the healthcare simulation sector.
  - Introduction to healthcare simulation/ fellowship administration
  - Developing a sim center/center design
  - Return on investment, prioritization and investing in sustainable programs
  - Introduction to debriefing/debriefing 2.0
  - Use of video in debriefing and cognitive load
  - Introduction to insitu simulation/insitu simulation 2.0 (checklists and Safety 11)
  - Hospital system/public health preparedness using simulation
  - Behind the glass – mannequins & moulage
  - Learning procedural skills including part-task trainers and virtual reality trainers
  - Embedded participant/simulated patient methodologies
  - Scenario design/curriculum design
  - Teamwork and deliberate practice
  - Research and presentation skills

In addition to the above topics, there will be 3 -4 days of Simulation Center professional development offered each year and facilitated through the center's visiting professor program.

2. Mentored guidance by Fellowship Directors and other faculty leaders of healthcare simulation
3. Experiential, didactic, and formalized graduate education
4. Independent study
5. Review of current literature and journal club discussions
6. Simulation case development, implementation and evaluation





7. Capstone project mentorship and development
8. Weekly participation in simulation training of medical students, residents, fellows, attending physicians, nurses, and/or other allied health professionals
9. Participation at national and/or international conferences and workshops
10. Membership in Simulation Interest Groups

### Requirements for Successful Completion

1. All applicants must be full time NYC Health + Hospital or Affiliates for the entire duration of the Fellowship
2. Guaranteed protected time (0.2FTE) committed by applicants supervisor
3. At a minimum, bi-annual meetings and achievement of pre-determined milestones with Fellowship Directors
4. Six-month review with Fellowship Directors which includes a reflective statement
5. Portfolio containing log book, research, projects, lectures and/or other achievements
6. Exit interview with the Fellowship Directors and Director of NYC Health + Hospitals Simulation Center

### Evaluation of the Program

1. Six month written evaluations of program including Fellowship milestones
2. Exit interview with the Fellowship Director and Director of The Simulation Center

### Applicant Qualifications

1. Graduate of an ACGME accredited residency training program; or
2. Graduate of an accredited nursing school with at least 3 years of clinical experience; or
3. Graduate of an accredited allied health professional school (i.e., Physician Assistant, Nurse Practitioner) with at least 3 years clinical experience; or
4. Commensurate Administrative experience
5. Support and protected time from respective NYC Health + Hospitals department

### Time Commitment

1. 1-Year Fellowship (begins in July)
2. Weekly commitment: one day per week (averaging 8 hours/day) will be spent at The NYC Health + Hospitals Center hub located at the Jacobi Medical Center campus or at other sites as determined by Fellowship Directors. This will include in-class time, course development, evaluation or research.

### How to Apply

Candidates must complete the attached NYC Health + Hospitals Simulation Fellowship Program application and send it via email to:

katie.walker@nychhc.org  
Katie Walker, AVP, Director  
NYC Health + Hospitals  
Simulation Center

Applications are now being accepted.

Only those applicants with completed applications will be considered for interviews.