

# MetroHealth Simulation Center

## SIMULATION ORIENTATION

# Welcome to the MetroHealth Simulation Center (MHSC)

The MetroHealth Simulation Center is an interdisciplinary training facility committed to the MetroHealth mission by providing innovative education and training leading to outstanding healthcare for our patients.

“It’s all about the patients”

# Definition

“Simulations include devices, trained persons, lifelike virtual environments, and contrived social situations that mimic problems, events, or conditions that arise in professional encounters.”

# Simulation Applications

- ⦿ Airlines/NASA
- ⦿ Law enforcement
- ⦿ Military
- ⦿ Nuclear plant operators
- ⦿ NASCAR Pit Crews
- ⦿ Industry/Management
- ⦿ Medicine

# Simulation Uses

- ⦿ Standardized training
- ⦿ Deliberate practice for desired outcomes
- ⦿ Direct observation and evaluation
- ⦿ Level-specific
  - Novice
    - Initial training/orientation
  - Intermediate
    - Team training
    - High-stakes examinations
  - Expert
    - Quality assurance and improvement

# Simulation Modalities

- ⦿ High-fidelity mannequins
- ⦿ Standardized patients/professionals
- ⦿ Procedural Task trainers
  - Low tech
  - High tech
- ⦿ Virtual Reality
- ⦿ Micro Simulation

# Environments

- ⦿ Simulation Centers
- ⦿ Mobile Programs
- ⦿ In-Situ

# Safe Environment

MHSC is a safe environment where healthcare providers can practice their skills and decision-making without risk of harm to real patients.

It's expected that mistakes will happen as learning occurs. Better to make them here than in real life.



# Reality Contract

You get the most out of simulation if you perform as you would in a similar real clinical situation.

Simulation tools and methods achieve a high degree of realism to gain “buy-in”.

Participants must accept some reasonable limits to the technology, focusing on the objectives of the simulation to optimize results.

# Learner Activation

Too hot: Anxious about performance, criticism, & feedback = Poor performance.

Too cold: No “buy-in”. Distracted, lack of focus = Poor performance.

Just right: Perform the procedure/take care of the “patient” just as you would in reality. Deliberately practice skills and decision-making with the goal of improving quality and safety of care.

# Deliberate Practice

Simulation allows the learner to break down skills, procedures and decision-making to critical elements.

Each element can be practiced deliberately until mastery is achieved – similar to the way an athlete or musician develops his/her skills.

# Feedback & Debriefing

Equally important, if not more important, than the simulation itself is the feedback/debriefing that takes place immediately following.

The simulation helps create a powerful “teachable moment”.

# AV Recording

Simulations of all types are recorded for use in debriefing. Instructors use the video to help provide structured feedback to learners.

Although this initially provokes some anxiety in novice participants, this gives way to praise by experienced learners and instructors as the most effective way to debrief.

# MHSC Safety

No supplies are to be removed from the sim center.

We use expired supplies and simulated medications that must remain away from real patients.

No medical gases are used in the sim center.

Compressed air feeds all simulated gas ports.

Real defibrillators are used in the sim center.

Use appropriate precautions (“ALL CLEAR”)

Exercise appropriate caution when using sharps.

Report any injuries to MHSC Manager or Director.

# Prior to your program

- Read MHSC Policies and Procedures (hyperlink to pdf).
- Print and sign “Acknowledgement of Policies and Procedures” (hyperlink to pdf). Bring this with you when you come.
- Print and sign “Authorization Release for Photography & Video / Confidentiality Agreement” (hyperlink to pdf). Bring this with you when you come.
- Read/View any materials provided by your instructor.

# Any Questions?

◎ Contact us at:

- [simcenter@metrohealth.org](mailto:simcenter@metrohealth.org)