



MetroHealth

MetroHealth Simulation Institute

Simulation Orientation



Welcome to the MetroHealth Simulation Institute (MSI)

The MetroHealth Simulation Institute 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 Environments

MSI 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 the 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, and 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.

MSI Safety

No supplies are to be removed from the SIM Institute.

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

No medical gases are used in the SIM Institute.

Compressed air feeds all simulated gas ports.

Real defibrillators are used in the SIM Institute.

Use appropriate precautions (“ALL CLEAR”).

Exercise appropriate caution when using sharps.

Report any injuries to MSI manager or director.

Prior to your program

- Read MSI Policies and Procedures [Policies and Procedures](#)
- Print and sign “Acknowledgment of Policies and Procedures”. Bring this with you when you come. [Acknowledgment of Policies and Procedures](#)
- Print and sign “Authorization Release for Photography & Video / Confidentiality Agreement”. Bring this with you when you come. [Authorization Release for Photography and Video](#)
- Read/view any materials provided by your instructor.

Any Questions?

- Contact us at:
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