



Clinical Simulation Center Orientation

Kinney College of Nursing and Health
Professions

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Objectives

- The purpose of this orientation is to inform users of simulation best practices and to introduce the University of Southern Indiana's Kinney College of Nursing and Health Professions Clinical Simulation Center and its operations.

What is Simulation?

- According to the Society for Simulation in Healthcare, simulation is “a technique that creates a situation or environment to allow persons to experience a representation of a real event for the purpose of practice, learning, evaluation, testing, or to gain understanding of systems or human actions.”

Modalities of Simulation

- **Manikin-Based Simulation**-The use of manikins to represent a patient using heart and lung sounds, palpable pulses, voice interaction, movement (e.g., seizures, eye blinking), bleeding, and other human capabilities that may be controlled by a simulationist using computers and software.
- **Virtual Reality**-The use of computer technology to create an interactive three-dimensional world in which the objects have a sense of spatial presence; virtual environment and virtual world are synonyms for virtual reality.
- **Standardized/Simulated Patient Actor**-An individual who is trained to portray a real patient in order to simulate a set of symptoms or problems used for health care education, evaluation, and research.
- **Task Trainers**- A device designed to train in just the key elements of the procedure or skill being learned, such as lumbar puncture, chest tube insertion, central line insertion or part of a total system, *for example, ECG simulator.*

Benefits of Simulation

- Simulation has demonstrated a positive impact in reducing education inequities, leading to reductions in mortality and morbidity in low-resource areas. In addition, it supports improvements in patient experiences. Simulation interventions contribute to the optimization of healthcare processes and systems, and to organizational safety culture. They have proven to be cost-effective and successful in enhancing team performance, while also fostering workforce well-being and resilience.

The Basic Assumption

- *We believe that everyone participating in activities at the Kinney College of Nursing and Health Professions Clinical Simulation Center is intelligent, capable, cares about doing their best, and wants to improve©*
(Criterion 6c)

Our Clinical Simulation Center

Mission

- Prepare health professions students to deliver safe quality care through the integration of simulation methodologies and interprofessional education.

Vision

- Promote healthy communities through simulation-based teaching and interprofessional education.

Clinical Simulation Center: Information

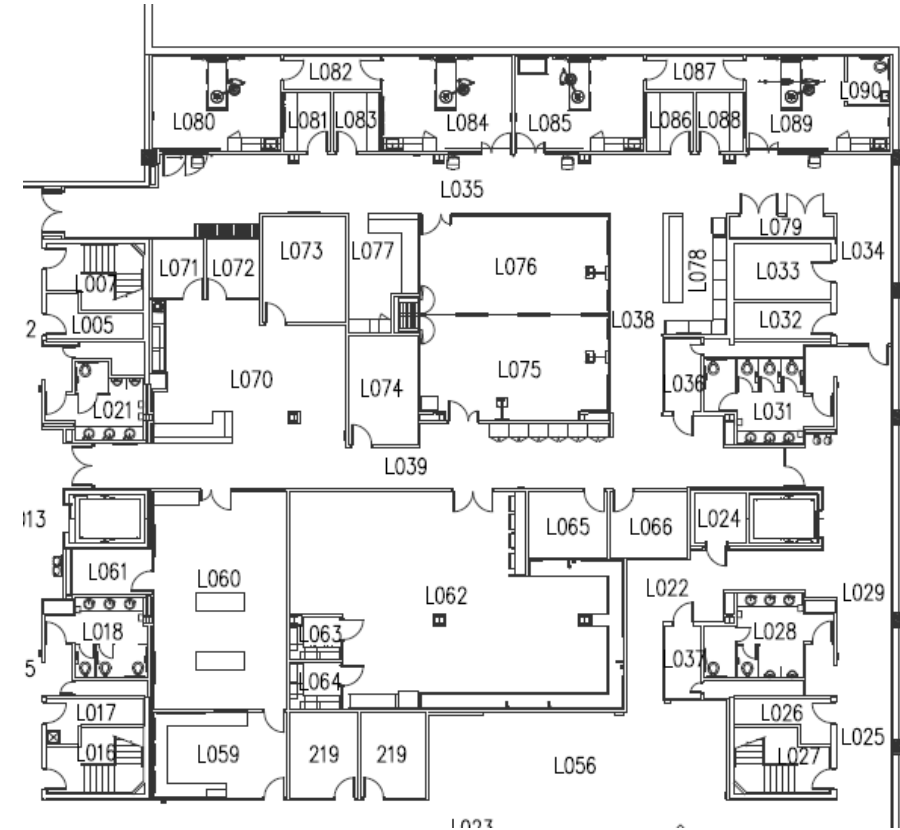
- The Clinical Simulation Center (CSC) is located on the lower level of the Health Professions Center. The entrance (HPL070) is on the south side of the building. You must have your USI ID card to enter. Hours are 8 a.m. to 4:30 p.m. Monday through Friday.
- Contact: Email bthompso@usi.edu Phone [\(812\) 464-1805](tel:(812)464-1805)
- Students can reserve independent or group practice time by clicking on the Student Reservation Request button on the [CSC Webpage](#).

Meet the Simulation Team

- Beth Thompson, MPA Director of Instructional Resources and Simulation
- Carly Andrews, MHA, CHSOS Coordinator of Clinical Simulations
- Megan Ivy, MSN, RN, CMSRN Nursing Simulation Educator
- Tech Support:
 - Rich Wire Computer Technician
 - Mike Fetscher Digital Media Coordinator
- The CSC is also supported by student workers.

Clinical Simulation Center: Layout and Features

- The CSC contains a virtual reality lab, four patient rooms each with their own control room, two nurses' stations with simulated medication cabinets, and a dedicated pre/debriefing classroom.
 - Each room is designed to simulate a different setting: intensive care unit (ICU) room, emergency department room, pediatric/maternity room and post-acute care room.
 - Ceiling mounted cameras and microphones and one-way viewing windows, which allow simulated scenarios to be recorded or streamed live to classrooms.

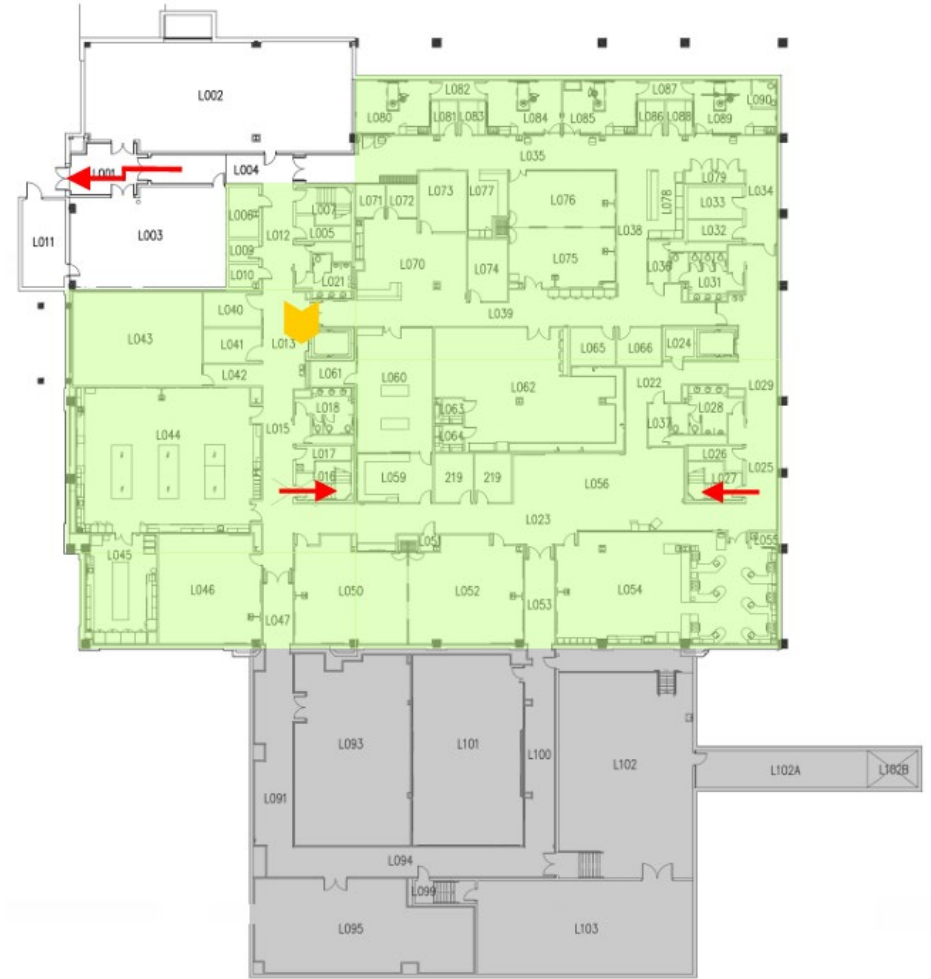




**Kinney College of Nursing
and Health Professions**

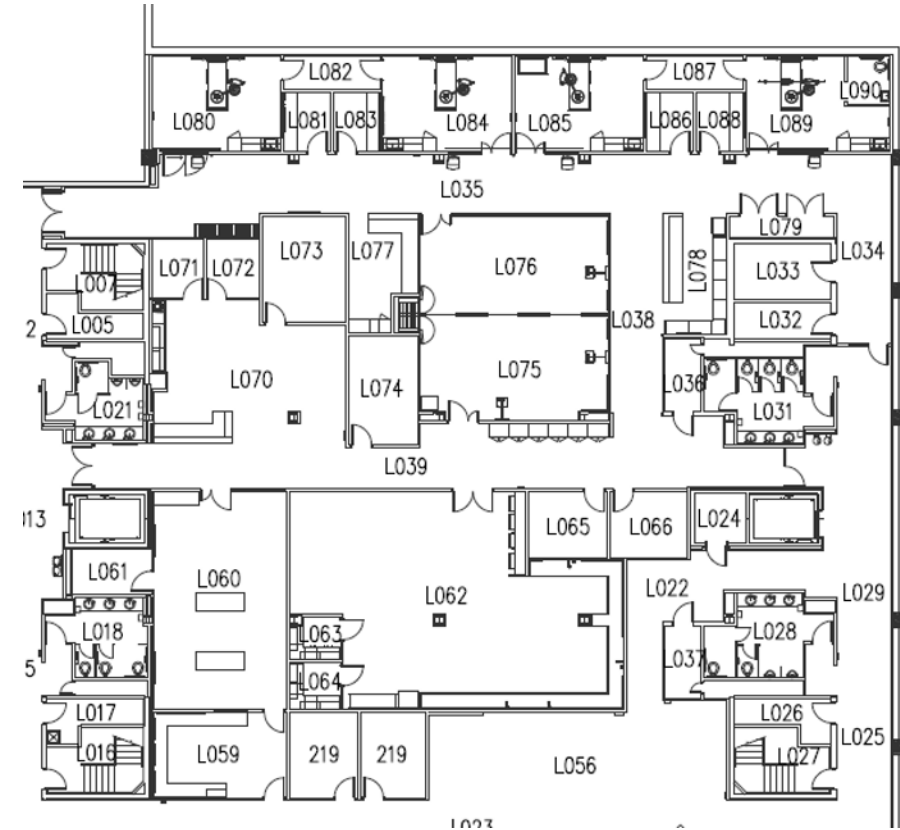
Clinical Simulation Center Safety: Emergency Information

- There are 4 exits indicated with a ceiling mounted neon green EXIT sign.
- HPL070 serves as the primary entrance and exit. All other doors are exit only.
- In the event of an emergency:
 - Use closest exit
 - Proceed to the lower level outside doors, HP4
 - Walk to the gathering area between the Health Professions Center and the Science Center



Clinical Simulation Center Safety: Emergency Information (continued)

- Fire drills are conducted once during the fall and spring terms by USI Safety and Security. Follow the emergency exit procedures.
- The HP Center Lower Level is a safety shelter for inclement weather.



Clinical Simulation Center Safety

- Sharps are stored in the CSC Workroom, HPL062, inside locked closet, HPL064.
- Live oxygen is available in the CSC suites and use is permitted only for the Respiratory Therapy Department and CSC staff.
- All medications used in the CSC, real or simulated, are labeled “Not for human use Education only” or with a similar marking stating “Not for human or animal use.”
- Students and faculty are asked to report broken equipment to CSC staff.
- Students and faculty are asked to report safety concerns including spills to CSC staff.
- Students and faculty are required to practice safe workplace procedures.

Clinical Simulation Center Safety (continued)

- An eyewash station is located inside the CSC Workroom, HPL062.
- Material Safety Sheets can be found in a 3-ring binder on the shelf above the dryers in the CSC Workroom, HPL062.
- Fire extinguishers are located in the hallway adjacent to HPL062 and HPL083 doorways.
- An Automated External Defibrillator (AED) is located inside the Dental Clinic, HP1043 and accessible through HP1040, the Dental Clinic lobby.
 - The defibrillators located inside the CSC on crash carts are for simulation use only.
- Confidentiality is expected in this simulated student learning environment.

Clinical Simulation Center: Policies and Procedures

- The CSC policies can be found on our [webpage](#):
 - **Required Dress Code and Identification** During active simulations or while performing clinical skills, unless otherwise instructed, students are expected to wear clinical attire while in the CSC. Students should adhere to the same requirements as in the clinical setting for their individual programs.
 - **Food/Drink Policy** Food and drinks are not permitted in the Clinical Simulation Center.
- The CSC Policies and Procedures handbook can be accessed on the CSC webpage.

References

- Center for Medical Simulation. (CMS) (n.d.). *The basic assumption* ©. <https://harvardmedsim.org/resources/the-basic-assumption/>
- Clinical Simulation Center (CSC). (n.d.). *Clinical simulation center*. University of Southern Indiana. <https://www.usi.edu/health/clinical-simulation-center>

References

- Matos Maio, F., Reedy, G., Diaz-Navarro, C., Koh, S., Ingrassia Luigi, P., Smitten, J., Freeman, K. J., Issenberg, B., Charnetski, M., & Armstrong, R. (2024). Global consensus statement on simulation-based practice in healthcare. *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare*, 19(3), e52-e59.
<https://doi.org/10.1097/SIH.00000000000000804>
- Society for Simulation in Healthcare (SSH). (2025). Healthcare simulation dictionary (3rd ed.). Rockville, MD: *Agency for Healthcare Research and Quality (AHRQ)*. <https://www.ahrq.gov/patient-safety/resources/simulation/terms.html>.