

UT Health Science Center: SIM110 CHIPS Tour	
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APPENDIX

CHIPS Tour Script

Tours are not allowed in areas where simulations are actively taking place. If you see this sign, do not tour the area behind the sign.



General Information

- CHIPS stands for Center for Healthcare Improvement and Patient Simulation
- Building is three floors. 45,000 sq. ft. of usable simulation space
- The three floors correspond to three different modalities of simulation
 - First floor- Procedural Simulation and virtual trainers
 - Second floor- Acute care floor for hospital settings
 - Third floor- Standardized Patient simulations and Pharmacy

- CHIPS falls under AFSA- Academic Faculty and Student Affairs. This helps to keep this resource open to any program at UTHSC and not any specific college. This also protects the space for simulation only. You will not have any courses in the building without simulation planned into the course.
- We serve: College of Medicine (GME, UME, and PA), College of Nursing (DNP and BSN), College of Health Professions (OT and PT), College of Dentistry, College of Pharmacy, as well as our local Clinical Providers

First Floor

- Multipurpose Room 102
 - This room is a very flexible space. We can use it for large group debriefing or we can use it for multiple skills stations
 - The room can be divided into two smaller rooms by the airwall in the center of the room.
 - All classrooms in the building have sections of the wall that are painted specially for dry erase markers so that we can write directly on it.
- Virtual Reality Room 104
 - This space houses the majority of our virtual reality skills trainers.
 - These trainers are mostly dedicated for Clinical providers to practice surgical skills or other specific procedures.
 - The trainers include:
 - ArthroMentor- Orthopedic Surgical skills
 - RobotixMentor- Davinci robotic skills training for robotic surgery
 - Vimedix- Ultrasound trainer that allows you to see over 100 different pathologies. With cases in cardiac, FAST, pleural, abdominal, and OB/GYN ultrasound to name a few.
 - GI-BRONCH Mentor- Allows for the practice of bronchoscopies and both upper and lower GI scopes.
 - LapVR- Allows for training and practice of laparoscopic surgery
 - HystSim- Allows for training on hysteroscopy procedures, IUD placements, and embryo transfer skills
 - CathLab- Allows for training techniques related to interventional cardiology.
- Skills Lab 105 and 111
 - Both labs are large 12 bed or stretcher labs. These large spaces allows your instructor to give better guidance and direction during the skills sessions.
 - Different skills that are practiced in these rooms are: ultrasound, auscultatory techniques, IV placement, Foley catheter placement, intubation skills, just to name a few.
 - Each bed is equipped with a camera to allow the instructor to present a skills technique and send it to the four large monitors in the room to keep the learners from crowding around on bed station.
- Home Environment Room 119
 - This space is used by many different colleges for different home healthcare training.

- The space is very dynamic and can be set for simulation activity in different locations, such as: living room, bed room, kitchen, or bathroom
- The cabinetry was done with different handles to help those in OT better understand the use of different knobs for those with different disabilities. The cabinets are also on a motor that allows you to change sink and cabinet height to show differences in ADA compliance.

Second Floor

- General
 - This floor has a total of 8 simulation rooms, 6 debrief rooms, and one multi-purpose classroom
 - This floor is intended for immersive simulation with high-feature manikins.
 - We have over 30 high fidelity manikins that range in age, gender, and ethnicity.
 - Our sim rooms are all larger-than-normal patient rooms to incorporate interprofessional simulations
- Debrief Rooms
 - We have 6 debrief rooms on this floor
 - Faculty are able to discuss what happened in the sim with the group and help tie it back to the concepts they learn in the classroom.
 - Through video recording, we can live stream the event to groups of students so that everyone gets the same experience whether in the sim room or debrief room.
- Patient room 210, 213, 216, 222
 - These are our basic patient rooms. They look very simple so that we can bring in items to dress up the space to match the case. Where that is an Emergency Department, Intensive Care Unit, or general patient room
 - The rooms were built with enough space to host interprofessional events where we have students from multiple colleges all learning in the same simulation setting.
 - We are able to push electronic labs and images to the learner via the 40" monitor on the wall in the room. This allows the learner to read through and decipher what they are looking at in an x-ray rather than faculty just verbalizing what they would find.
- Control Rooms
 - Faculty and Sim Specialists are able to sit and run the simulation from the control room behind the one-way glass.
 - All manikin controls and voice occur in this space.
 - We even have voice synthesizers that allow you to change your voice to match the gender of the manikin for the case.
 - Each control room services two connected patient rooms
- Operating Room 231
 - This room is more specialized to help our Clinical Partners really buy-in to the simulation scenario.
 - The boom lights and camera are active
 - The manikin in this room will respond in real time to drugs that are administered and the ventilator settings.

- Labor and Delivery 233
 - This room is designed to be our birthing suite
 - We can simulate the entire birthing process with our high-feature manikins
 - We can even simulate difficult birthing scenarios like shoulder dystocia and breeched delivery.
- Patient Room 203
 - This room serves as our bariatric patient room
 - There is a lift in the ceiling that the care providers can practice the process of loading a patient into the lift sling and assisting the patient around the room and into the attached restroom.
- Patient Room 206
 - This room is our large patient room and is beneficial for scenarios with multiple patients.

Third Floor

- General
 - This floor is the Kaplan Center for Clinical Skills, named after Dr. Robert Kaplan.
 - The third floor is centered around Standardized Patient simulation, an SP is a lay person who has been carefully coached to simulate a patient (or family member), the SP presents the gestalt of the role being simulated; not just the history, but the body language, the physical findings, and the emotional and personality characteristics based on a written description called the case script.
 - SPs at UT are lay people from the community who have an interest in education and want to help medical professionals in training practice their practical examination skills and interpersonal communication skills. UT SPs come from diverse backgrounds, some are trained actors, most do not come from a medical background. SPs are trained to evaluate and give feedback on interpersonal communication skills and make suggestions for improvement if needed, these one-on-one encounters help learners get comfortable sharing a clinical treatment plan with their patients.
 - UT has around 100 Standardized Patients, they are part-time employees who typically work an irregular schedule on weekdays during business hours.
 - This floor has over 100 cameras that allow us to capture every angle of the patient encounter.
- Exam rooms
 - We have 24 exam rooms on this floor for standardized patient simulations.
 - These rooms are utilized by COM, CON, COD, COP, and our UT Residents
 - The four exam rooms on the south hall are a little bit larger than the other 20 rooms to allow us to configure the room with a dental chair for dental simulations.
 - Learners will log in to the workstations in the hallway. These workstations are height adjustable for the ultimate comfort for our learners when typing in their clinical care plan.
 - The rooms are very similar to your typical doctor's office.

- The second door in the room is used by our Standardized Patients. This allows them to come and go from the room between rounds without breaking character in the simulation.
- Pharmacy 303
 - This space is used to simulate a community pharmacy (Walgreens, CVS, Kroger, etc.)
 - A simulated pharmacy is not unique to UTHSC, but they are not common in many sim centers.
 - The COP noted that around 80% of their graduates spent some time working in a community pharmacy and wanted to provide a simulated setting for them to develop a comfort level when working with the public.
 - The pharmacy students can work on different workflow tasks of the community pharmacy in this simulated environment.
 - The pharmacy is also equipped with two smaller consult rooms and even a simulated drive-thru.