



SLAM

Medical Education



Transformation

15%

immediate increase in class size

30%

growth capacity

The programming and planning of Emory University's School of Medicine facility supports a curriculum redesign that fully integrates basic and clinical sciences with new teaching modalities/technologies recognizing the emerging importance of translational research, cross-disciplinary team building, and inter-professional partnerships. By adding a new connector and renovating the two existing 25,000-SF wings, the School of Medicine was able to leverage underutilized space that they were not using previously.





HIV Infection 2013
Charles Hicks, MD
Professor of Medicine
Division of Infectious Diseases

Team-Based Learning

60

PERCENT

space saved

Duke University has transformed the School of Medicine with a new team-based curriculum and a lecture hall to accommodate it. By providing breakout space within the room students can quickly move from lecture to group mode and benefit from the dynamics of multiple groups working together. This single space takes the place of three rooms accomplishing in 4,000-SF what traditionally required 10,000-SF.

Simulation

321
comprehensive
center
types of
simulation
kinds of
learners



Western Michigan University Stryker School of Medicine's new simulation center provides advanced and innovative training for both medical students and healthcare providers while also serving the needs of industry collaborators. The simulation program includes two large simulated OR rooms with a shared control room and a flexible ICU room. By incorporating three distinct styles of simulation (manikins, actor-based and virtual) into one learning environment, students and physicians collaborate on various projects while improving their education, research and quality of patient care.

Center for Innovation **1 of 7**

national recipients of the 2013 Learning Health System Planning Award from the Association of American Medical Colleges

Connecticut Institute for PRIMARY CARE INNOVATION

UConn/St
Family
Resid

* Welcome to Community Day at
1. Please take a copy of Community Day at
2. Ask the Simulation Center
3. Network Simulations will take place in the Simulation
4. PPM Simulations will take place in the Simulation
→ Please don't interrupt current simulation in progress

SIMULATION STUDIO

The new Innovation 1 Learning Center at Saint Francis Hospital makes innovation in primary care its central focus by conducting ground-breaking research on the best ways to deliver primary care to patients, improve education and increase retention of primary care trainees and providers. All of the spaces in the Center provide ample surfaces for brainstorming ideas and communication, from low-tech writable glass walls to high-tech simulcasting and conferencing. Practitioners can run simulations from a control room in the Simulation Studio and broadcast the video in the Idea Lab or the Collaborative Theater and use the recorded videos to debrief, analyze and generate dialogue with team members.

Center for Innovation



94

students enrolled in new BSN program, up to 50 additional students each year

Building on a strong reputation for continuing nursing education (RN to BSN and MS), Notre Dame of Maryland University's (NDMU) new BSN program drove an increase in demand for formal and informal learning spaces. The program's new home, a state-of-the-art 32,000-SF building planned for future expansion, features a Technology Integration Resource Center supporting project work and independent study as well as a Center for Caring with Technology that consolidates simulation, skills and health assessment spaces and utilizes the latest technologies in nursing education.



Pharmacy Care Center

70 students
31 professors
space

By utilizing a team-teaching format, we could develop a teaching lab suite that integrates compounding and assessment/counseling with simulated community and hospital pharmacy spaces with students moving from station to station throughout the class block. The suite accommodates 70 students (1/2 of a class) who cycle through the space creating a buzz of activity in the 6,600-NSF space.

Inter-Professional Collaboration

Meeting Hall accommodates

400+ people

Large, fold up "garage doors" open the space up to the lobby for overflow for events, and a mezzanine level provides additional seating. Folding partitions allow the room to be divided into 40-80 seat classrooms and with the mezzanine then providing collaborative and lounge space for the hospital community.





*in national rankings for
Schools of Public Health*

#7

Emory University's Rollins School of Public Health has risen from #9 to #7 in national rankings of School of Public Health after the completion of SLAM's Claudia Nance Rollins Building and the renovation to the existing Grace Crum Rollins Building.

Research

Virtual Learning



Sacred Heart University Center for Healthcare Education offers students a virtual-world environment where inter-professional education, collaboration and immersive learning intersect within spaces that replicate a continuum of healthcare. Students learn in a virtual-world where there's a physician's office and waiting room, hospital/in-patient facility, rehabilitation, and a home suite to train disciplines in occupational therapy, physical therapy, and nursing. The suite includes a driving simulator where students assist rehabilitating patient as they relearn how to enter and exit a motor vehicle.



11

health professions and nursing programs

Plant a Flag

The luxury of building a medical school from the ground up inspired University of Texas at Austin to make a bold statement and "rethink" how future physicians are educated and healthcare is delivered. The Dell Medical School program and plan identified "signature spaces" including Academic Societies that blur the lines between formal and informal learning, and the Experiential Learning Suite that allows dissection, virtual anatomy and clinical skills to be integrated into a single learning experience.

1st

**ground up
academic medical center
at a tier-one public university
in 50 years**



Creativity Meets Medicine

The SUNY Upstate Medical University includes the Upstate MIND. (Medical Innovation and Novel Discovery Center). More than an effort to foster translational research, Upstate MIND is a physical space for innovators to "collide", "cloister" and communicate new ideas with the Syracuse community that is impacting the regional economy. Highly flexible modular lab and pilot space allows users to occupy space with minimal customization. This new building accelerates interactions among scientists, physicians, engineers, students, innovators, entrepreneurs, the business community and other partners.

\$ 2,000,000
in NIH grant funding for ongoing
research in game-changing Autism
Spectrum Disorder diagnostic test

Immersive Training & Learning



Just-in-time Training Lab

Divisible Skills Lab

Standardized Patient Exam Rooms

Intensive Care Units

Operating Rooms

2 5 14 1 1

Johns Hopkins Hospital Simulation Center provides training for interprofessional teams of students, and health care professionals, allowing them to explore, analyze, and synthesize their actions and thought processes, emotional states, and other information to improve performance in real-life situations. New data and video collection software is installed in the control rooms, allowing simulated systems to be universally controlled through a central point of use for more realistic emergency scenario simulations. A "Just-In-Time Lab" is positioned outside the center to facilitate 24-hour access and increased collaboration between hospital staff and students.



1 facility **1** private institution **2** public institutions
1000 students

Interprofessional Hub

The Stone Family Center for Health Sciences serves three institutions—Indiana University, University of Southern Indiana, and University of Evansville—and seven multi-disciplinary professions spanning medical education, dentistry, health informatics, research, occupational therapy, nursing, physical therapy and a physician assistant science program. To reach an expanding patient base, the Indiana University School of Dentistry located in Indianapolis, is extending its programs off-site to the downtown Evansville campus. The program incorporates the latest research and patient care technologies tailored to the current and future needs of the profession to deliver a wide range of dental services and clinical trials to the local community.



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