FUNDAMENTALS OF PLANNING AND DESIGN OF AN INTER-PROFESSIONAL SIMULATION CENTER
Health Partners Simulation 2018 Conference
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AGENDA

PLANNING STAGES
• History & Project Background
• Why
• How

INNOVATION POSSIBILITIES
• Pedagogical shifts
• Flexibility
• Interprofessional education
• Technology
• Accreditation process

LESSONS LEARNED /
PLANNING TIPS
• Space
• Future Forecasting
• Technology

BEFORE & AFTER
• Review impact of the new building to enhance curriculum capabilities

OBJECTIVES
• Gain understanding of the planning process for simulation spaces/centers from concept to move-in including communication protocol, fundraising, and engagement
• Explore opportunities for re-thinking a simulation program to enhance real-world training
• Describe strategies and possibilities for spatial enhancements to improve simulation learning outcomes for today and in the future.
Support the University’s vision to be recognized at the state, regional and national level for excellence in providing innovative and flexible high quality educational programs & models...that meet the extraordinary challenges and opportunities in the allied health and nursing fields.
The project will consolidate portions of academic programs from eight separate buildings across the campus, centralized into a new building that will create improved working and learning relationships... and enhance visibility and accessibility within the greater Mankato community.

"The project will provide new space types currently not available to the University including a state of the art Simulation Center and an interdisciplinary Clinical Education Center."
HOW – PROJECT DRIVERS

COLLABORATION
- Create a better working and learning relationship between the multiple universities.

IDENTITY
- Enhance the visibility and accessibility within the greater Mankato community.

INTERACTION
- Maximize interdisciplinary and multidisciplinary approaches to health care education.

EXPANSION
- New undergraduate interdisciplinary health care programs.

FLEXIBILITY
- Provide flexible environments that will grow or adapt as the program evolves.

TECHNOLOGY
- Provide up-to-date technology and tele-medicine.

HOW – PROGRAMMING AND PLANNING PROCESS

PLANNED:
- 2012-2016 (NEW BUILD)
- 2016-2017 (RENOVATION)
HOW – KEY NURSING ADJACENCY DIAGRAMS

INNOVATION POSSIBILITIES

Perkins+Will definitions for building success
- Supports transparency
- Collaboration
- Learner Success
FLEXIBILITY
Integration stations
• Moveable table and chairs with space between integration stations which can be a medium classroom or roll back into station for small pods of certain content.
Simulation Rooms
• Larger rooms, used sink and doorway and brought in exam table near front - many different ways to use large room
Home Health Lab
• Apartment with murphy bed
Multi-bed Skills Lab
• Divisible Marker board wall; everything moveable

INTER-PROFESSIONAL EDUCATION
Opportunities to improve patient care outcomes and processes by creating places for inter-professional activity to flourish
• Speech group – flexible scope
• Dental – medical emergencies
• Athletic training & disaster training

TECHNOLOGY
• Nurse Call System: impressed with ‘don’t think about’ capability to have them in the control room
• Important to have an internal technology specialist
• Toured different facilities to for implementation ideas and tips
• Camera’s and microphones – technology specialist is a visionary
ACCREDITATION PROCESS

LESSONS LEARNED & PLANNING TIPS

SPACE
- Controlling daylight
- Hospice care in Home Health Room
- Nurse call – understanding and consistent project team
- Larger edubit for staffing challenges
FUTURE FORECASTING

• Running multiple simulations at once
• Not space, but people hindering growth
• Additional interdisciplinary collaborative opportunities

TECHNOLOGY

BEFORE + AFTER
COLLEGE OF ALLIED HEALTH AND NURSING

Maverick Family Nursing SIMULATION CENTER

MULTI-BED SKILLS LAB

ADULT SIMULATION LAB

This is an adult sim – change image
Q & A