Medical Education

WHAT’S NEW AT THE UND SCHOOL OF MEDICINE & HEALTH SCIENCES?
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What’s New?

- A new building!
- Active learning
- A new simulation center
- Interprofessional learning communities
- Resident Training
- Social determinants of health
- Service learning
- Telemedicine through robots
- Using ultrasound

FROM AN OLD HOSPITAL

TO A NEW BUILDING
FROM STATIC LECTURE TO INTERACTIVE LEARNING

FROM MINIMAL TECHNOLOGY TO INTEGRATED TECHNOLOGY

FROM CLOSED AND FIXED TO OPEN AND FLEXIBLE
FROM UNDER-USED AND UNDER-LIT

TO WELL-USED AND DAY LIT

Interprofessional Simulation

Interprofessional Teams
- Medical Students
- Physicians Assistant
- Nursing
- Physical Therapy
- Occupational Therapy
- Sports Medicine

SIMULATION CENTER

- 4 Patient Simulation Rooms
- 1 Multi-Purpose
- OR Simulation, or
- 2 Patient Simulation Rooms
- 4 Debrief Rooms
- 1 Large Skills Lab
- 14 Exam Rooms (Standardized Patients)

Interprofessional Learning Communities
**Interprofessional Learning Communities**

- Group Study
- Private Study
- Collaboration
- Lounge
- Exam Room

**New Resident Training**

**Healthcare Workforce Funding**
- Two one-year geriatrics training slots with Sanford Health and through our Department of Geriatrics.
- One additional psychiatry residency slot with an emphasis on telepsychiatry through our Department of Psychiatry and Behavioral Science.
- Five residency slots per year for a new family medicine program in Fargo, based at Sanford Health and with collaborative arrangements with Essentia Health and various rural communities in the state.
- Funding for the Western North Dakota Area Health Education Center (AHEC) to complete Phase II of a study exploring ways to expand health student education in rural communities in North Dakota.

**Service Learning**

Service-learning - a structured learning experience that combines community service with explicit learning objectives, preparation, and reflection.

Students provide direct community service and also learn about the context in which the service is provided, the connection between the service and their careers, and their roles as citizens.

Upon completion of the service learning activity, students will be able to:
1. Apply discipline-specific and/or interdisciplinary knowledge and critical thinking skills to community issues.
2. Demonstrate critical self-reflection of one's own assumptions and values as applied to community issues.
3. Demonstrate knowledge and sensitivity to issues of culture, diversity, and social justice as applied to community engagement.

*(Seifer, S.; Jacoby, B.)*

**Social Determinants of Health**

The social determinants of health are:
- the conditions in which people are born, grow, live, work and age, including the health systems
- shaped by the distribution of money, power and resources at global, national and local levels
- influenced by policy

The social determinants of health are mostly responsible for health inequities - the unfair and avoidable differences in health status within and between countries. (World Health Organization)

**Remotely Operated Biomedical Telepresence Systems**

The AMA’s Accelerating Change in Medical Education Consortium - the UND SMHS and 19 other schools have been selected to join the original 11 institutions in the consortium.

Programs of innovation to transform medical education for the medical schools of the future.

Patient simulations in rural scenarios that focus on interprofessional competencies, teamwork and team-based care, using SonoSim Simulated ultrasound technology.

**Ultrasound**

Training medical students to use ultrasound in anatomy, simulation scenarios and clinically using SonoSim simulated ultrasound and clinical ultrasound technology.
Thank you to North Dakota and to our UND SMHS Alumni!

FOR YOUR CONTINUED SUPPORT AND CONTRIBUTIONS OF TIME AND MONEY