

Transforming Medical Education through the Science of Health Care Delivery

Mayo Clinic Alix School of Medicine

Science of Health Care Delivery
Learning Environment
Faculty Development

Consortium projects

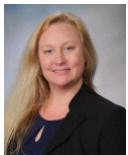
Learning environment

Brief description: Develop a robust learning environment evaluation program that incorporates measures relevant to health systems science, triangulates feedback from multiple stakeholders, is feasible to track over time, and enables continuous improvement.

Integration of health systems science into clinical settings

Brief description: Develop and pilot new models for integrating health systems science into clinical practice settings to demonstrate the relevance of SHCD to practice, engage students in authentic, workplace-based SHCD skill development, and support the development of a team-based, systems-oriented professional identity. This will require faculty development to achieve desired student outcomes.

Grant team members



Mary Hedges, MD
Hedges.mary@mayo.edu
Associate Dean,
Student Affairs, MCASOM



Andrea Leep, MD, MHPE
Leep.andrea@mayo.edu
Director for Learning
Environment and
Educational Culture



Darcy Reed, MD
Reed.darcy@mayo.edu
Senior Associate Dean,
Academic Affairs, MCASOM



Amit Shah, MD
Shah.amit@mayo.edu
Associate Dean, Faculty
Affairs, MCASOM



Stephanie Starr, MD
Starr.stephanie@mayo.edu
Director, Science of Health Care
Delivery Education, MCASOM

Curricular Framework

Mayo Clinic Alix School of Medicine - ASU framework for the Science of Health Care Delivery, longitudinal, four-year medical student curriculum:



Need/Gap Addressed

Learning environment

A supportive learning environment is critical to achieving desired learning outcomes. Existing measures of the learning environment (such as those included in the Association of American Medical Colleges Year Two and Graduation Questionnaires) provide valuable and important data, but incompletely assess aspects of the learning environment relevant to SHCD competencies. Furthermore, combining feedback from medical students with the perspectives of other stakeholders may provide valuable insights and help galvanize improvement efforts.

Integration of health systems science into clinical settings

Our SHCD curriculum exists in all four years of the Mayo Clinic Alix School of Medicine (MCASOM) curriculum, but current learning experiences are primarily in non-clinical settings (blended learning with classroom and simulation activities). A more expansive curriculum reform enabling a larger percentage of SHCD content to be integrated into clinical experiences would

- Facilitate better student understanding of the relevance of SHCD to practice
- Facilitate opportunities for authentic SHCD-related skill development
- Foster the development of a physician professional identity that incorporates SHCD (via new early longitudinal clinical experience and/or existing clinical experiences)
- Foster development of adaptive expertise by emphasizing learner understanding, providing learners with opportunities to embrace struggle and discovery, and maximizing variation in the teaching of concepts.

Institutional Contact

Andrea N. Leep, MD, MHPE, Principal Investigator
leep.andrea@mayo.edu

