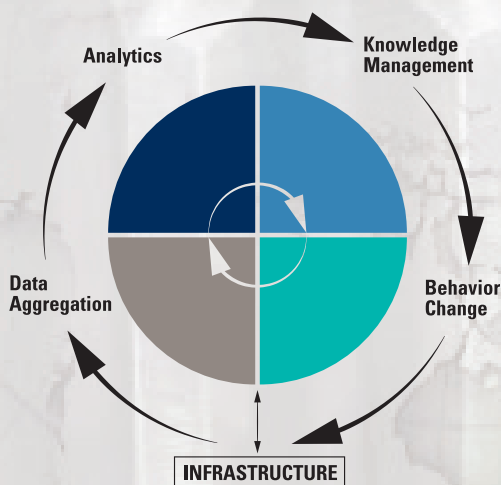# HEALTH INFRASTRUCTURES AND LEARNING SYSTEMS
GRADUATE PROGRAMS

LEAD, CHANGE, TRANSFORM HEALTH

The U.S. health care system is the most expensive in the world, yet the U.S. ranks far from the top on most population health indicators. The Health Infrastructures & Learning Systems (HILS) program at the University of Michigan equips researchers, professionals and health leaders with the tools to solve some of the most complex health problems in the U.S. and abroad.

We are the nation's first graduate program focused on the science and methods of learning health systems, which are organizations or networks that continuously self-study and adapt using data and analytics to generate knowledge, engage stakeholders, and implement behavior change to transform practice.

Our Master's and PhD programs are unique in their joint emphasis on information and social science to improve the health of individuals and populations by designing, implementing, and evaluating innovative change and improvement in health systems.

APPLY TO HILS

- Become a leader in data-driven health care improvement
- Study at a top-tier research institution
- Design and implement change in health care systems using the latest research findings
- Earn a master's degree in 12 months either on campus or online

Analytics · Knowledge Management · Behavior Change · INFRASTRUCTURE · Data Aggregation

1ST GRAD PROGRAM OF ITS KIND IN THE U.S.

MEDICAL SCHOOL
UNIVERSITY OF MICHIGAN

LEARNING HEALTH SCIENCES

LEARN MORE medicine.umich.edu/dlhs-hils
or email us at HILS-PHD-MS@umich.edu

ACCELERATED MS PROGRAM

The HILS MS Program is an intensive study of health improvement processes, using learning health system methodology. The 27-credit MS program, which includes a learning cycle project, is designed to be completed in three semesters over 12 months.

ONLINE ACCELERATED MS PROGRAM

The accelerated MS Program is also offered as a hybrid online program. The program shares the same requirements, educational goals, and outcomes as the residential degree. Combining on-campus experiences a few times per year with the flexibility of distance learning, this 27-credit hybrid online master's program can be completed in as little as 12 months, or for those individuals who choose to be part-time, within 2-3 years.

PhD PROGRAM

PhD students complete a minimum of 36 credits of coursework and begin their dissertation proposal during winter term of their second year. Most HILS students are expected to complete their research within two years of the proposal defense.

HILS PhD graduates can go into academia, industry, or governmental work as scientists ready to conduct research and lead change initiatives in health care and community settings.

LEARN FROM THE BEST

HILS is housed in the Department of Learning Health Sciences, a basic science department in the University of Michigan Medical School, ranked in the top ten nationally.

The program and its faculty also have close affiliations with the highly ranked Schools of Information, Public Health, Dentistry, Pharmacy, Nursing, and others.

Gretchen Piatt, PhD, MPH serves as the Graduate Chair for the HILS Program. Caren Stalburg, MD, MA is the Program Director for HILS Online. The Department Chair, Charles Friedman, PhD, is a global leader in Learning Health Systems.

"When I worked in acute care at a hospital, it was always a struggle to get evidence put into practice. What drew me to this program was its focus on implementation — putting data and knowledge into practice."

Nik Koscielniak, PhD, MSOT, MPH, OTR/L
HILS PhD Alumnus

U-M HAS

97

**GRADUATE PROGRAMS
IN THE TOP TEN**

U.S. NEWS & WORLD REPORT

WHO SHOULD APPLY?

Students from a wide range of health care backgrounds and professional experiences excel in the HILS program, including in the health sciences; information, computing, behavioral and social sciences; and organizational and policy sciences.

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LEARNING HEALTH SCIENCES