



HARVARD
MEDICAL SCHOOL

Empowering Leaders for a Safer, Smarter Future

Safety, Quality, Informatics, and Leadership
Certificate Program

“The Safety, Quality, Informatics, and Leadership program at Harvard Medical School is tailored for health care leaders to gain the skills and knowledge they need to be able to solve today’s problems in health care. The program is built on the foundation of the learning health system, a framework that we use to identify problems, collect information, identify opportunities, and implement solutions that improve care in real-world settings”

Katherine Santos, MBA

Faculty Director, Safety, Quality, Informatics, and Leadership
Chief Strategy Officer, Legacy Lifecare



About the Program

Harvard Medical School’s Safety, Quality, Informatics, and Leadership program provides advanced training for health care professionals who want to improve outcomes and lead change in complex systems. This 10-month certificate program helps participants develop the skills needed to analyze data, strengthen patient safety, and drive organizational performance.

Learners gain knowledge in quality improvement, clinical informatics, leadership, and implementation strategies that support better care delivery and reduce risk. Through practical applications and faculty-guided learning, participants build confidence to design solutions that improve patient outcomes.

Program Format

This 10-month certificate features a hybrid learning model that integrates three required multi-day workshops, live online instruction, faculty-led review sessions, collaborative group work, and an individual capstone project. Participants should expect to spend an average of 5–7 hours per week on coursework.

This hybrid-learning approach includes:

- 3 required workshops (2 live online, 1 in-person in Boston)
- Live online lectures
- Self-paced modules between workshops
- Team assignments
- Individual capstone project

Who Should Apply

The Safety, Quality, Informatics, and Leadership program is designed for health care professionals—or aspiring to—leadership roles focused on improving clinical quality and patient safety through informatics.

Past participants have included physicians, nurses, pharmacists, administrators, policy leaders, and researchers—many of whom hold leadership roles in health systems, hospitals, academic centers, or public health agencies.

Program Objectives

- Apply principles of patient safety, quality, and informatics to improve care
- Identify system barriers and opportunities for change
- Strengthen leadership, communication, and teamwork skills
- Use case-based learning to analyze and solve real-world problems

“Our participants come from around the world, representing a wide range of backgrounds and specialties—and this diversity fuels vibrant networking and meaningful professional relationships.”