



Safety, Quality, Informatics and Leadership Program

*Achieving high-impact leadership
with an emphasis on quality and
safety*



HARVARD
MEDICAL SCHOOL

Postgraduate
Medical Education

APPLY AT [HMS.HARVARD.EDU/SQIL](https://hms.harvard.edu/sqil)

Dean's Overview

Harvard Medical School's Safety, Quality, Informatics and Leadership program (SQIL) offers an exclusive opportunity to explore the cornerstones of high-quality health care. It is an intensive one-year certificate program designed to develop knowledge and skills in the science and implementation of safety and quality programs in a hospital setting, the fundamental premise of the Institute of Medicine's Learning Health System concept.

The exposure to top Harvard faculty and clinical experts and administrative leaders from our Harvard-affiliated hospitals, including the the Massachusetts General Hospital, the Beth Israel Deaconess Medical Center, the Boston Children's Hospital, the Dana-Farber Cancer Institute, the Joslin Diabetes Center, and the Brigham and Women's Hospital make this a unique program. But that's not all. Two of our three program directors, Professor Friedman and Professor Sheikh, from the University of Michigan and Edinburgh University, respectively, provide this program with a global perspective that enriches the experience for all students. Best practices and pragmatic solutions from different parts of the world are showcased. Students interact and learn from each other.

Our pedagogic model of hybrid education provides learning ideally suited to the busy professional. It allows you to learn while still working.

We anticipate that graduating students will acquire many of the skills required to take their organization to a new level of performance. Indeed, we expect graduates to become leaders in quality, safety and informatics.



David Roberts, MD
Dean for External Education
Harvard Medical School

Program Overview

In today's current healthcare environment, change is constant.

Providers are trying to deliver high value care with good quality outcomes, as well as care that's safe and free from medical errors.

When you add on to this new technology that's being introduced to the way we deliver healthcare on an almost weekly basis, it is very difficult to then curb costs, become efficient and provide the care that we all strive to provide.

To this end Harvard Medical School's program, Safety, Quality, Informatics and Leadership (SQIL) aims to provide you with the tools you need to become a global leader in healthcare delivery.

WHAT IS SQIL?

SQIL is a one-year certificate program consisting of three in-person, 3-day workshops, live interactive webinars, pre-recorded lectures and peer collaboration. This program will give participants direct access to the world's leading authorities in safety, quality, medical informatics and health leadership.

Learn more about the SQIL program on the web at hms.harvard.edu/sqil



A group photo of learners from the 2018 SQIL program.

Program Objectives

SQIL's goal is for participants to attain fundamental knowledge in four key areas that comprise the Learning Health System – patient safety, quality, informatics and leadership through a blended learning format allowing participants to play a key role as leaders in their local health care system.

Upon completion of the program, participants will have gained the skills and understanding:

- To articulate the key concepts in patient safety, quality, informatics
- To identify the way in which effective change can occur within complex healthcare systems
- To cultivate a toolkit of strategies to address challenges encountered in solving problems related to the interplay of quality, safety and informatics
- To develop and sharpen leadership skills through written and oral presentation as well as team project work
- To integrate key concepts for leadership roles in quality improvement, patient safety and/or informatics within your own healthcare organization or system



Curriculum

The program emphasizes team-based learning in the classroom and on line with students working in groups to collaborate, discuss and solve problems – a method that leads to a deeper and more enduring understanding of topics. In addition, students will have access to program faculty throughout the year for methodologic guidance and support.

+ COURSE THEMES

Quality Improvement Tools and Techniques

- How to measure quality in clinical practice
- High Reliability, Human Factors, and System Redesign: How to engage clinicians in Quality Improvement
- Integrating Quality Improvement with Clinical Pathways
- Population Health Management
- Measuring Quality “dashboards” and “scorecards”
- Developing a hospital program in Quality: Assessing Culture of Safety, Reliable Medication Management, and Failure Modes and Effects Analysis
- Leadership and Change Management with a Special Focus on Safety Culture Measurement and Improvement
- Surgical Care Outcomes
- Ambulatory Care Coordination for High-Risk Patients

+ Patient Safety

- Introduction to Patient Safety
- Patient Safety “Just Culture” – how to change organizational approach to error
- Hospital Acquired Conditions
- Adverse Event Response/Management (Root Cause Analysis, Disclosure/Apology)
- Developing a hospital program in Patient Safety
- Error Reporting
- Disclosure and Apology
- Patient and Family Engagement
- Teamwork and Facilitation

+ Informatics

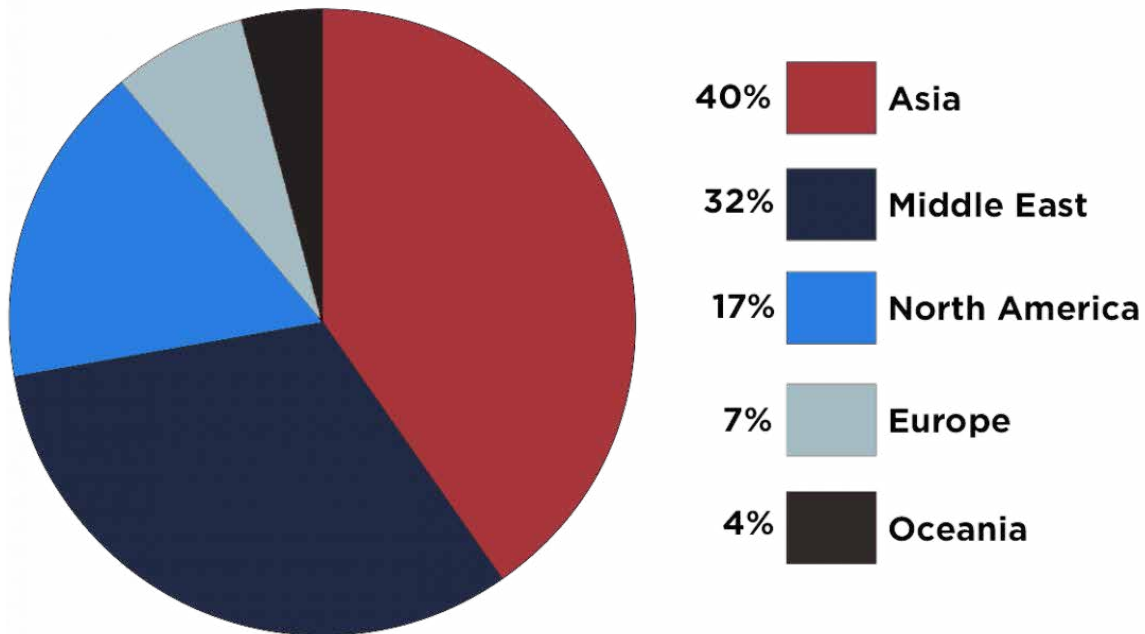
- Health Information Technology
- Using the Electronic Health Records to improve Quality and Safety
- eHealth Trends & Technologies
- Current research in Health care Informatics
- Quality Improvement Research Methods
- Measurement and Reporting
- Effective Practice Dissemination and Spread
- Fundamentals of Hospital Administration
- Malpractice and Risk Management

Who Are We Looking For?

The Safety, Quality, Informatics Leadership Program was created for people who work in leadership roles in clinical quality and patient safety or people who seek to transition to those roles. Medical doctors, nurses, administrative leaders, policy makers, researchers and industry professionals are encouraged to apply.

Candidates for the program should indicate any doctoral-level degree (for example: MD, PhD, MBBS, MBChB, DNP, DMD, DDC, PharmD), or master's level degree (for example: MBA, MPH, MSN, MSc).

GLOBAL REGIONS



Faculty

PROGRAM DIRECTORS

CHARLES FRIEDMAN, PhD
Josiah Macy Jr. Professor of Medical Education and Chair of the Department of Learning Health Sciences at University of Michigan

AZIZ SHEIKH, OBE, BSc, MBBS, MSc, MD, FRCGP, FRCP, FRCPE, FRSE, FFPH, FMedSci, FACMI
Professor of Primary Care Research & Development Co-Director
Centre for Population Health Studies
College of Medicine and Veterinary Medicine
University of Edinburgh

AJAY SINGH, MBBS, FRCP, MBA
Senior Associate Dean for Postgraduate Medical Education

CAPSTONE DIRECTORS

KATHERINE SANTOS
Director of Service Excellence and Performance Improvement, Brigham and Women's Faulkner Hospital

+ WORKSHOP FACULTY

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Associate Professor, University of Michigan School of Nursing
Director, Hillman Innovation Scholars Program

JULIA ADLER-MILSTEIN, PHD
Associate Professor, Department of Medicine
Director, Center for Clinical Informatics and Improvement Research
University of California San Francisco

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Samuel O. Thier Professor of Medicine, Emeritus, Harvard Medical School
President, The Commonwealth Fund

JOHN HALAMKA, MD, MS
Professor of Emergency Medicine, Harvard Medical School
Chief Information Officer, Beth Israel Deaconess Medical Center

KENNETH MANDL, MD, MPH
Professor of Biomedical Informatics and of Pediatrics, Harvard Medical School
Director, Computational Health Informatics Program, Boston Children's Hospital

MELVYN MENEZES, PHD, MBA
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Questrom School of Business

V. KASTURI RANGAN, MBA
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Director of Education, Disaster Medicine Fellowship, Beth Israel Deaconess Medical Center
Medical Director, Emergency Preparedness, Beth Israel Deaconess Hospital, Plymouth

DOUGLAS SMINK, MD, MPH
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Director, Centre for Health Systems and Safety Research, Australian Institute of Health Innovation
Faculty of Medicine and Health Sciences, Macquarie University

PAIGE WICKNER, MD, MPH
Assistant Professor of Medicine, Harvard Medical School
Medical Director for Quality and Safety, Brigham and Women's Hospital
Director of Quality, Allergy and Immunology, Brigham and Women's Hospital

ONLINE CURRICULUM FACULTY

JULIA ADLER-MILSTEIN, PHD

Associate Professor, Department of Medicine
Director, Center for Clinical Informatics and
Improvement Research
University of California San Francisco

HEATHER BAER, SCD

Assistant Professor of Medicine, Harvard
Medical School
Assistant Professor of Epidemiology, Harvard
School of Public Health
Associate Epidemiologist, Brigham and
Women's Hospital

MUJEEB BASIT, MD

Associate Chief Medical Informatics Officer
Professor, University of Texas Southwestern
Medical Center

JONATHAN BAUM

Lead Consultant with Performance
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JENNIFER BELOFF, MSN, RN, APN-C

Assistant Professor of Medicine, Harvard
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Director of Quality, Center for Clinical
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ALEXANDER CARBO, MD

Associate Professor of Medicine, Harvard
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Associate Director for Patient Safety, Beth
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BRADLEY CROTTY, MD, MPH

Assistant Professor, Medical College of
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Medical Director, Inception Health

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Assistant Professor of Medicine, Harvard
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Medical Director, Integrated Care and
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Chief Information Architect, Beth Israel
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PATRICIA FOLCARELLI, RN, PHD

Interim Vice President, Healthcare Quality,
Beth Israel Deaconess Medical Center

DOROTHY GOULART, MS, RN

Former Director of Performance Improvement,
Center for Clinical Excellence, Brigham and
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Assistant Professor of Medicine, Harvard
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Medical Director, Brigham and Women's
Hospital Innovation Hub
Former Medical Director of the Standardized
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(SCAMP), Brigham and Women's Hospital

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Associate Professor of Pathology, Harvard
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Quality and Safety Director, Harvard Medical
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Associate Director, Center for Patient Safety
Research and Practice, Brigham and Women's
Hospital

JO SHAPIRO, MD

Associate Professor of Otolaryngology, Harvard Medical School
Director, Center for Professionalism and Peer Support
Chief, Division of Otolaryngology, Brigham and Women's Hospital

HARDEEP SINGH, MD, MPH

Associate Professor, Department of Medicine, Section of Health Services Research, Baylor College of Medicine
Chief, Health Policy, Quality & Informatics Program, Center for Innovations in Quality, Effectiveness and Safety, Michael E. DeBakey VA Medical Center
Director, VA Center of Inquiry to Improve Outpatient Safety through Effective Electronic Communication

KARANDEEP SINGH, MD, MMSC

Assistant Professor of Learning Health Sciences and Internal Medicine
University of Michigan Medical School

DEAN SITTIG, PHD

Professor, University of Texas Health School of Biomedical Informatics

ROBERT SUTFIN, MBA

Director, Decision Support Systems, Brigham and Women's Hospital

JONATHAN TEICH, MD, PHD

Assistant Professor of Medicine, Harvard Medical School
Chief Medical Informatics Officer, Elsevier

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Associate Professor of Medicine, Harvard Medical School
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JONATHAN WEINER, DRPH

Professor, Health Policy & Management and of Health Informatics, The Johns Hopkins University, Bloomberg School of Public Health
Director, Center for Population Health IT, The Johns Hopkins University, Bloomberg School of Public Health

PAIGE WICKNER, MD, MPH

Assistant Professor of Medicine, Harvard Medical School
Medical Director for Quality and Safety, Brigham and Women's Hospital
Director of Quality, Allergy and Immunology, Brigham and Women's Hospital

ADAM WRIGHT, PHD

Associate Professor of Medicine, Harvard Medical School
Senior Scientist, Division of General Medicine, Brigham and Women's Hospital

The SQIL program will bring together current and emerging leaders in health care with top Harvard faculty. The goal of SQIL is to develop physicians, nurses and administrators into better leaders. By attending this program, you will acquire knowledge and skills that will make you more effective, and you will also develop your global network of like-minded people who work in health care.

AJAY K. SINGH MBBS, FRCP (UK), MBA
Program Director

Admissions

ELIGIBILITY REQUIREMENTS

The Harvard Medical School Safety, Quality, Informatics and Leadership program is designed for clinicians, administrators and policy makers in leadership roles in clinical quality and/or patient safety. Candidates for the program should indicate any doctoral-level degree (for example: MD, PhD, MBBS, MBCChB, DNP, MSN, DMD, DDC, PharmD), or master's level degree (for example: MBA, MPH, MSc).

APPLICATION DEADLINES

Early Application Deadline: March 27, 2019

Scholarship Application Deadline: March 27, 2019

Students who submit applications by the Early Admission Deadline and submit a deposit by the early deposit deadline date are eligible for the reduced tuition rate of \$11,900 (USD).

The tuition for completed applications received after February 15, 2019 is \$12,900 (USD).

Application Closing Date: April 17, 2019

Email sqil@hms.harvard.edu with any further questions

SQL provides an unrivaled opportunity for those interested in health policy, management, service delivery and/or research to learn from and engage with world-class faculty in safety, quality and informatics. Students will emerge with the insights, skills and network needed to lead and contribute to building the next generation health systems.

CHARLES SAFRAN, MD, MS, FACMI

Professor of Medicine, Harvard Medical School

Testimonials

“SQIL has been invaluable to me as a physician leader. Quality and safety are the new holy grail for health care. Until now I have been lost in the acronym soup of meeting with nursing managers and others who have masters degrees in these topics. SQIL has put me in the conversation and on equal footing with non-physician managers and directors when it comes to the use of technology and strategies to improve quality and patient safety.”



Jim Keany, MD

Associate Director, Emergency Services
Mission Hospital Regional Medical and Trauma Center
Viejo, California, USA

“The SQIL course is an assemblage of professionals from all over the world which make the workshops ideal for students to network professionally and socially and to learn from each other’s experiences of working in different health care systems. While a great deal of insight is gained from course faculty, even more comes from the exchange of ideas with fellow students.”



Nairah Rasul-Syed, MBChB

Specialist in Family Medicine
Health Point Hospital, Mubadala Health care
Abu Dhabi, UAE

“The SQIL program attracts a truly international cohort of highly motivated and enthusiastic individuals from diverse backgrounds of proven prior success. Already a variety of spin-off projects and partnerships have commenced among program alumni and I expect that these relationships will continue long-term and produce some real game-changing innovations.”



Vinay Rane, MBBS

Forensic Physician, Obstetrician
Royal Brisbane and Women’s Hospital
Brisbane, Australia



SAFETY, QUALITY, INFORMATICS AND LEADERSHIP PROGRAM

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