Harvard Medical Faculty Physicians
at Beth Israel Deaconess Medical Center

Affiliated with
HARVARD MEDICAL SCHOOL

THE INSTITUTE FOR EMERGENCY DEPARTMENT CLINICAL QUALITY IMPROVEMENT

Artificial Intelligence in Emergency Medicine Course

www.EDQualityInstitute.org

15–16 April 2027

Renaissance Paris La Defense Hotel, Paris, France

During this inaugural course, learn with our Harvard Medical School medical education leaders, industry experts in clinical AI, with publications in Science, Nature Machine Intelligence, Nature Biomedical Engineering, and others.



COME EARLY

And attend our Emergency Department Quality Improvement Professional (EQuIP) Certification Course, 12-14 April, 2027, and receive a $300 bulk discount.

Offered by Beth Israel Deaconess Medical Center

Course Description

Artificial Intelligence in Emergency Medicine is a two-day, 15-hour continuing medical education course designed to equip frontline clinicians, educators, and health-system leaders with a foundational understanding and practical skills for applying artificial intelligence safely and effectively in the emergency care environment. This course is delivered by the Department of Emergency Medicine at Harvard Medical Faculty Physicians at Beth Israel Deaconess Medical Center.

Key Course Features

The goal of this course is to prepare clinicians to critically evaluate, safely integrate, and thoughtfully supervise AI technologies in emergency care, including:

No prior coding experience needed

- Understanding the architecture and capabilities of contemporary AI models
- Identifying opportunities and risks in clinical workflows
- Applying best practices for prompting, oversight, documentation, and patient communication
- Recognizing governance, regulatory, and ethical frameworks needed for safe implementation
- Evaluating clinical quality implications and using AI for diagnostic accuracy, triage quality, and operational performance
- Building clinical applications that leverage AI and language models



Program

DAY 1: Thursday, 15 April

8:00–8:30
Registration and Welcome Coffee

8:30–8:45
Welcome and Opening Remarks

8:45–9:30
Keynote: Waves of AI–Rules to Statistical Models to Generative AI

9:30–10:15
Models in Practice: Local, Commercial, and Clinical-Grade AI

10:15–10:30
Coffee Break

10:30–10:50
Ambient Scribes: Evidence, Implementation, and Evaluation

10:50–12:20
Workshop: Build Your Own Prompt-Based Scribe

12:20–13:20
Lunch

13:20–14:05
Operations Panel: Deploying AI in Real Health Systems

14:05–14:40
Structured Outputs: JSON, Data Formats, and Reliable AI Workflows

14:40–15:00
Coffee Break

15:00–16:30
Workshop: Building Your Own Patient-facing Chat Bot

16:30–17:00
Wrap Up and Exam Prep

17:00–18:00
Networking Reception and Poster Session

DAY 2: Friday, 16 April

8:00–8:30
Welcome Coffee

8:30–8:35
Welcome Back

8:35–9:35
Keynote: Building Health AI Applications as a Clinician: A View from Inside the Tech World

9:35–10:20
MINERVA: Lessons from a Real-Time ED Voice Agent

10:20–10:35
Coffee Break

10:35–12:05
Workshop: Second-Opinion Prompting for Clinical Decisions

12:05–13:00
Lunch

13:00–13:30
OpenEvidence, ChatGPT, and the New Clinical AI Ecosystem

13:30–14:00
Institutional Knowledge Assistants: Policies, Pathways, and Guidelines

14:00–14:15
Coffee Break

14:15–15:45
Workshop: Prompting AI to Audit Clinical Documentation

15:45–16:45
Exam

16:45–17:00
Closing and Certificates

Course Director

Adrian Haimovich, MD, PhD

Director, Division of Artificial Intelligence, Department of Emergency Medicine, Beth Israel Deaconess Medical Center; Assistant Professor of Emergency Medicine, Harvard Medical School

Faculty

Peter Antkowiak, MD, MPH

Associate Chief Medical Officer, Baystate Health; Interim Chair, Department of Emergency Medicine, Baystate Health; Assistant Professor of Emergency Medicine, UMass Chan Medical School

David Chiu, MD, MPH

Vice President of Network Operations, Harvard Medical Faculty Physicians; Executive Vice Chair, Department of Emergency Medicine, Beth Israel Deaconess Medical Center; Assistant Professor of Emergency Medicine, Harvard Medical School

Gabriel Erion Barner, MD, PhD

Attending Physician, Department of Emergency Medicine, Beth Israel Deaconess Medical Center; Instructor in Emergency Medicine, Harvard Medical School

Deesha Sarma, MD, MPH

Associate Director of Ambulatory Medicine, Beth Israel Deaconess Medical Center; Recruitment Director, Harvard Affiliated Emergency Medicine Residency (BIDMC HAEMR); Instructor in Emergency Medicine, Harvard Medical School

Viknesh Sounderajah, MD

Product Manager, Microsoft AI





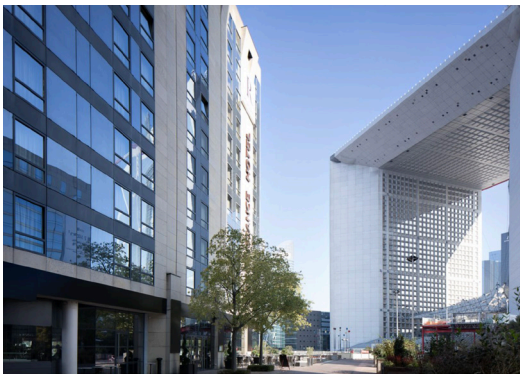




About Paris, France

- Home to 5 UNESCO World Heritage sites
- Home to iconic landmarks including the Eiffel Tower, Notre-Dame Cathedral, the Arc de Triomphe, and the world-renowned Louvre Museum
- Celebrated for its café culture, Michelin-starred dining, charming neighborhoods, and vibrant arts scene, from Montmartre to Saint-Germain-des-Prés
- Day trips to stunning destinations such as the Palace of Versailles, Giverny (home of Claude Monet's gardens), the Champagne region, the Loire Valley châteaux, and the historic beaches of Normandy
- Fly to Paris with daily nonstop flights from Boston, New York, London, and most major international airports





Renaissance Paris La Defense Hotel

- Located in the heart of modern Paris
- Ideally situated near Palais des Congrès and Place de l'Étoile Grande Arche, and a short 5 minute walk to the metro
- On-site dining options
- Marriott 4-star property



Course Objectives

Upon completion of this activity, participants will be able to:

- Critically evaluate, safely integrate, and thoughtfully supervise AI technologies in emergency care
- Understand architecture and capabilities of contemporary AI models
- Identify opportunities and risks in clinical workflows
- Apply best practices for prompting, oversight, documentation, and patient communication
- Recognize governance, regulatory, and ethical frameworks needed for safe implementation
- Evaluate clinical quality implications and using AI for diagnostic accuracy, triage quality, and operational performance

METHODOLOGY

Our course includes 15 hours of case studies, presentations, and interactive, hands-on workshops to provide participants with valuable applicable tools when it comes to utilizing artificial intelligence skills in their clinical emergency medicine practice.

WHO SHOULD PARTICIPATE?

This course is relevant for clinicians working in emergency medicine, critical care, hospital medicine, urgent care, internal medicine, and family medicine, as well as operational leaders, quality officers, and educators who supervise or evaluate AI-enabled clinical tools.

CERTIFICATES & CME CREDIT

Participants are eligible for the following:

- **Certificate of Program Completion** from The Institute for Emergency Department Clinical Quality Improvement, based at The Department of Emergency Medicine at Harvard Medical Faculty Physicians at Beth Israel Deaconess Medical Center, a Harvard Medical School teaching hospital.
- An application has been submitted to the **European Accreditation Council for Continuing Medical Education (EACCME®)**.

SUBMIT ABSTRACT FOR POSTER SESSION

Visit our website to learn about how to submit an abstract to be considered for a poster presentation for our 2027 Harvard Medical Faculty Physicians (HMFP) Emergency Medicine CME Courses in Paris, France. Selected abstracts will be displayed during a poster presentation session to be held on Thursday evening. Abstracts should be in the areas of emergency department quality improvement, neurological emergencies, or artificial intelligence in emergency medicine.

TUITION

Physicians: $900 USD ($1,100 after 1 February, 2027)

For information on discounted hotel rates, and to register for our course, please visit our website.

REGISTRATION

Visit **www.EDQualityInstitute.org** to register.

Email us at **info@EDQualityInstitute.org** for information on group discounts.

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