Advanced Healthcare FMEA and Prospective Risk Analysis Training Course

4 – 8 October 2027
Addis Ababa

AGILE LEADERS
Training Center

AGILE LEADERS
Training Center

Advanced Healthcare FMEA and Prospective Risk Analysis Training Course

Ref: 1453_224616 **Date:** 4 – 8 October 2027 **Location:** Addis Ababa **Fees:** 4500 Euro

Overview

Advanced Healthcare FMEA and Prospective Risk Analysis Training Course is a one-week applied programme for patient-safety leaders, quality-improvement professionals, clinical risk managers, process owners, healthcare engineers, and multidisciplinary FMEA facilitators. Participants complete a Healthcare FMEA Project File linking scope, team composition, process mapping, failure modes, effects, causes, current controls, risk prioritization, action strength, reassessment, facilitation, and governance. Agile Leaders Training Center presents healthcare FMEA training as prospective prevention: analysing how a process might fail before harm occurs, rather than investigating a completed incident.

Who Should Attend

- Patient-safety and quality-improvement leaders
- Clinical risk and governance professionals
- Healthcare process owners and operational managers
- Healthcare engineers, pharmacists, nurses, and allied professionals
- Facilitators of multidisciplinary FMEA or HFMEA teams

The course assumes experience in healthcare processes, quality, safety, risk, or improvement. It does not replace clinical judgment, specialist engineering analysis, or post-incident investigation.

Departments and Industries

The course supports services that need structured prospective risk analysis for new, changing, or high-risk healthcare processes.

- Hospitals, clinics, and diagnostic services
- Medication, laboratory, imaging, and procedural pathways
- Primary, community, rehabilitation, and long-term care
- Patient safety, quality, risk, engineering, and operations teams
- Digital-health implementation and healthcare support services

Learning Objectives

By the end of this course, participants will be able to:

- Select and scope a suitable healthcare FMEA project
- Map a process with the right multidisciplinary team
- Identify failure modes, effects, causes, and current controls
- Apply transparent healthcare process risk analysis and prioritization
- Design stronger preventive actions and reassess residual risk
- Facilitate, document, govern, and hand over a completed FMEA

Course Agenda

Day 1: FMEA Purpose, Scope, and Team

- Prospective Risk Analysis and Incident Review Boundary
- FMEA, HFMEA, and Method Selection Map
- Process Selection and Scope Charter
- Multidisciplinary Team and Stakeholder Matrix
- Facilitation Rules and Evidence Plan

Day 2: Process Mapping and Failure Identification

- Current-State Healthcare Process Map
- Process Step and Interface Verification
- Failure Mode Identification Workshop
- Failure Effects and Affected Parties Record
- Assumption, Evidence, and Unknowns Log

Day 3: Causes, Controls, and Risk Prioritization

- Failure Cause Analysis
- Current Prevention and Detection Control Review
- Occurrence, Detection, and Severity Rating Practice
- Risk Profile and Prioritization Table
- Qualitative Decision-Tree Review

Day 4: Preventive Action and Reassessment

- Action Hierarchy and Control Strength Review
- Prevention, Detection, Mitigation, and Contingency Options
- Action Owner, Measure, and Due-Date Register
- Residual Risk and Reassessment Method
- Implementation Test and Monitoring Plan

Day 5: Facilitation, Governance, and Project Completion

- FMEA Workshop Facilitation Simulation
- Disagreement, Bias, and Rating Calibration
- Leadership Decision and Escalation Brief
- FMEA Governance and Review Cadence
- Capstone: Healthcare FMEA Project File

Practical Exercises

The course uses prospective scenarios from medication workflows, specimen handling, diagnostic imaging, patient transfer, digital implementation, and equipment-supported processes.

- Suggested activity: scope a manageable process and assemble the required team.
- Suggested activity: map steps and interfaces, then identify credible modes, effects, and causes.
- Suggested activity: calibrate ratings and prioritize hazards using quantitative and qualitative review.
- Suggested activity: design stronger actions, reassess risk, and brief leadership on implementation.

FAQs

Who should attend healthcare FMEA training?

It suits patient-safety leaders, quality teams, clinical risk managers, process owners, healthcare engineers, operational leaders, and multidisciplinary facilitators.

How is FMEA different from incident investigation?

FMEA is prospective: it studies how a process could fail before an event. Incident investigation examines an event that has already occurred. The methods may share analytical tools but have different starting points.

What is HFMEA?

Healthcare Failure Mode and Effects Analysis is a healthcare-focused prospective-risk method that combines structured hazard analysis with quantitative and qualitative prioritization.

Does the course rely only on a risk score?

No. Participants use transparent ratings alongside evidence, current controls, qualitative review, action strength, feasibility, and governance judgment.

What practical outputs will participants complete?

Outputs include a scope charter, team matrix, process map, failure-mode table, causes and controls record, prioritization table, action register, reassessment plan, leadership brief, and completed project file.