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COURSE BROCHURE

Healthcare AI Use Case Screening and Validation Course

28 June – 2 July 2027
Casablanca

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Registered in the United Kingdom and Saudi Arabia

Healthcare AI Use Case Screening and Validation Course

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Healthcare AI Use Case Screening and Validation is a 1-week training course for clinical and healthcare administration staff who are asked to judge AI proposals for diagnostics, triage, documentation and hospital operations, and it produces a use case screening dossier for one real proposal. Vendors and internal teams now pitch AI tools faster than hospitals can test them, so staff who can ask the right questions protect patients and budgets alike. Jupiter Prime Training delivers Healthcare AI Use Case Screening as an introductory, case-based course.

Why Healthcare AI Use Case Screening Matters Now

Three groups shape the screening task. Clinicians want tools that save time without adding risk at the bedside. Patients and their families expect their records to be protected and decisions to stay explainable. Hospital managers face vendor claims about accuracy that rarely match local populations. Services that screen proposals carefully adopt fewer but safer tools and avoid costly withdrawals; those that accept demonstrations at face value risk biased outputs, privacy breaches and lost clinical trust. The course frames screening with ISO/IEC 42001, the AI management system standard, and the NIST AI Risk Management Framework NIST AI RMF.

Who Gains Most from Healthcare AI Use Case Screening

- Clinicians who are asked to trial diagnostic or triage tools in their unit
- Nursing and ward coordinators who judge documentation and scheduling assistants
- Health information staff who handle patient records feeding AI tools
- Quality and patient safety officers who log and investigate tool-related incidents
- Administration and procurement staff who compare vendor offers for hospital operations

Hospital departments gain most when a clinician, a health information officer and an administrator attend together and screen proposals jointly.

Healthcare AI Use Case Screening Capabilities

Participants learn to question AI proposals with a clinical and operational lens, using evidence rather than demonstrations.

- Classify AI proposals by clinical risk and intended use — department heads deciding what to trial
- Assess vendor accuracy claims against local patient populations — clinical leads
- Test documentation and triage outputs for errors and omissions — ward coordinators
- Specify patient data protection safeguards for each tool — health information officers
- Weigh bias and fairness evidence across patient groups — patient safety committees
- Communicate a go, trial or decline recommendation — hospital executives

Key Healthcare AI Use Case Screening Terms

- Intended use — the specific clinical or operational purpose, setting and user group for which an AI tool is designed and tested.
- Sensitivity and specificity — the share of true cases a diagnostic tool correctly flags and the share of non-cases it correctly clears.
- External validation — testing a model on patients from a different site or period than those used to build it.
- Automation bias — the tendency of staff to accept a tool's suggestion even when their own judgement points elsewhere.
- De-identification — removing or masking details in health records so individual patients cannot be recognised.
- Silent trial — running a tool in the background on live cases without its outputs reaching clinicians, to compare performance safely.

Healthcare AI Use Case Screening Day by Day

Day 1: The Healthcare AI Landscape

- Map Of Clinical And Operational AI Uses — Where Tools Appear
- Diagnostic Imaging And Pathology Support — Second-Reader Expectations
- Triage And Early Warning Scores — Escalation Responsibilities
- Ambient Clinical Documentation Assistants — Note Accuracy Concerns
- Bed, Theatre And Staffing Forecasts — Operational Efficiency Choices

Day 2: Screening Proposals by Risk

- Intended Use Statements — Defining Setting, Users And Limits
- Clinical Risk Classification Grid — Low, Moderate Or High Impact
- Vendor Questionnaire Design — Evidence Requests Before Demonstrations
- ISO/IEC 42001 Roles And Responsibilities — Accountable Clinical Owners
- Screening Scorecard — Comparing Proposals Side By Side

Day 3: Clinical Validation Evidence

- Sensitivity, Specificity And Predictive Values — Reading Accuracy Claims
- External Validation And Population Fit — Local Patient Mix
- Silent Trials And Shadow Mode — Safe Early Testing
- Documentation Error Sampling — Checking Generated Clinical Notes
- NIST AI RMF Measure Function — Performance Drift Monitoring

Day 4: Patient Data, Bias and Trust

- Patient Data Flow Mapping — Consent, Access And Retention
- De-Identification Techniques — Limiting Re-Identification Risk
- Subgroup Performance Checks — Age, Sex And Comorbidity Bias
- Automation Bias Safeguards — Keeping Clinician Judgement Active
- Incident Reporting For AI Tools — Learning From Near Misses

Day 5: Practising the Use Case Screening Dossier

- Emergency Triage Tool Case — Applying Risk Classification
- Radiology Second-Reader Case — Applying Validation Evidence
- Outpatient Scheduling Assistant Case — Applying Data Flow Mapping
- Peer Challenge Of Screening Scorecards — Strengthening Recommendations
- Use Case Screening Dossier — Go, Trial Or Decline Decision

Applying Healthcare AI Use Case Screening After the Course

- Run the screening scorecard on one AI proposal pending in your department and share the result with the clinical lead.
- Propose a silent trial protocol for a tool already under discussion, naming the accuracy measures and subgroup checks.

Healthcare AI Use Case Screening Questions FAQ

What is Healthcare AI Use Case Screening and why does it matter now?

Healthcare AI Use Case Screening is the structured review of an AI proposal before a hospital trials or buys it. It matters now because AI offers arrive quickly, while patient safety and data protection depend on careful early questions.

Which roles gain most from Healthcare AI Use Case Screening?

Clinicians, ward coordinators, health information officers and administration staff gain most. They are the people asked to trial tools, protect records and compare vendor offers.

How does Healthcare AI Use Case Screening differ from healthcare AI ethics courses?

Healthcare AI Use Case Screening is a practical introduction to judging specific tools with evidence. Ethics and oversight courses address committee structures, policy and accountability at leadership level rather than screening individual proposals.

What do you bring back from Healthcare AI Use Case Screening?

You bring back a use case screening dossier for a real proposal. It records intended use, risk class, validation evidence, data safeguards and a clear go, trial or decline recommendation.

Healthcare AI Use Case Screening: The Way Forward

The use case screening dossier turns an AI pitch into a documented decision. Its first use is deciding whether a proposed tool moves to a silent trial, and clinical leads, health information officers and administrators all contribute to it. After the first trial, revisit the subgroup checks and accuracy thresholds, since local results often differ from vendor figures.