MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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IT RISK MANAGEMENT & INFORMATION RISK MANAGEMENT FOR HEALTHCARE INDUSTRY

"Safeguarding Health Information Systems Through Strategic Risk Mitigation and Compliance"

Schedule

Date	Venue	Fees (Face-to-Face)
13 – 17 Jul 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

In the healthcare industry, the integrity, availability, and confidentiality of information systems are not only essential for operational success—they are critical to patient safety and regulatory compliance. Cyber threats, data breaches, and system outages can have life-threatening consequences.

This 5-day intensive course equips IT, risk, and compliance professionals in healthcare with the knowledge and tools to identify, assess, and manage IT and information-related risks. Participants will explore international frameworks (ISO 27001, NIST, HIPAA), conduct risk assessments, and develop actionable mitigation plans that align with clinical, operational, and legal needs.

Objectives

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

- Understand the types and sources of IT and data risks in healthcare settings
- Apply healthcare-specific risk assessment and mitigation frameworks
- Align IT risk strategies with HIPAA, ISO 27001, and national data protection regulations
- Develop and implement risk registers, controls, and incident response plans
- Enhance cybersecurity governance across systems and stakeholders

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Why Attend

- Gain specialized IT risk knowledge tailored for hospitals, clinics, and health networks
- Learn how to prevent and respond to data breaches and system threats
- Understand how compliance requirements impact IT infrastructure and operations
- Build resilience in EHR, telehealth, and connected health platforms
- Protect patient data while supporting business continuity

Target Audience

This program is designed for:

- Healthcare IT and information security professionals
- Risk, compliance, and internal audit teams
- Clinical systems and infrastructure managers
- CIOs, CISOs, and digital health leaders
- Data protection officers and health records custodians

Individual Benefits

Key competencies that will be developed include:

- Risk identification, classification, and prioritization
- Application of technical and administrative risk controls
- Governance and compliance with ISO, NIST, and HIPAA standards
- Development of response, recovery, and communication protocols
- Integration of cybersecurity within clinical and business environments

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Strengthened protection of patient and operational data
- Reduced likelihood and impact of cyber incidents
- Improved audit readiness and compliance posture
- Enhanced cross-functional collaboration on IT risk matters
- Alignment of IT security practices with healthcare delivery goals

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Risk management models and healthcare applications
- Case Studies – Health data breaches, ransomware, and lessons learned
- Workshops – Risk mapping, control planning, and response drills
- Peer Exchange – Real-world insights from healthcare risk managers
- Tools – Risk register templates, assessment checklists, and policy samples

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Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to IT Risk in Healthcare

- Module 1: Overview of IT Risk and Vulnerabilities in Healthcare (07:30 – 09:30) • Threats to EHR, PACS, clinical systems • Cybersecurity vs operational risk
- Module 2: Legal and Regulatory Environment (09:45 – 11:15) • HIPAA, GDPR, HITECH, ISO 27799 • Impacts of non-compliance
- Module 3: Frameworks for Risk Management (11:30 – 01:00) • ISO 27001, NIST RMF, COBIT 5 • Mapping frameworks to healthcare settings
- Module 4: Workshop – Identify Risk Sources in a Hospital (02:00 – 03:30) • Analyze potential entry points and vulnerabilities

Day 2: Risk Assessment and Governance

- Module 5: Risk Identification and Analysis Techniques (07:30 – 09:30) • Asset-based and threat-based assessments • Likelihood vs impact modeling
- Module 6: Risk Register Development and Prioritization (09:45 – 11:15) • Scoring, categorization, and heat mapping • Risk acceptance vs mitigation
- Module 7: IT Governance and Organizational Roles (11:30 – 01:00) • Roles of IT, clinical staff, and leadership • Policies, standards, and escalation channels
- Module 8: Workshop – Build a Sample Risk Register (02:00 – 03:30) • Populate and prioritize sample risks

Day 3: Risk Controls and Safeguards

- Module 9: Administrative and Technical Controls (07:30 – 09:30) • Access management, audits, training • Encryption, firewalls, backups
- Module 10: Physical and Environmental Controls (09:45 – 11:15) • Server room security, power, and HVAC • Disaster resilience measures
- Module 11: Vendor Risk and Third-Party Access (11:30 – 01:00) • Cloud services, business associate agreements • Remote access security
- Module 12: Workshop – Assess Control Adequacy (02:00 – 03:30) • Match risks with appropriate safeguards

Day 4: Incident Response and Business Continuity

- Module 13: IT Incident Detection and Escalation (07:30 – 09:30) • SIEM tools, alerts, user reports • Communication protocols
- Module 14: Cybersecurity Incident Response Planning (09:45 – 11:15) • Response teams, chain of command, evidence handling • Forensics and post-incident reviews
- Module 15: Business Continuity and Recovery Planning (11:30 – 01:00) • RTO, RPO, backup validation • Tabletop exercises and continuity testing
- Module 16: Workshop – Simulate an Incident Response Drill (02:00 – 03:30) • Work through a mock ransomware scenario

Day 5: Integration, Monitoring, and Maturity

- Module 17: Risk Monitoring and KPIs (07:30 – 09:30) • Metrics, dashboards, and thresholds • Audit trails and regular reviews
- Module 18: Maturity Assessment and Roadmapping (09:45 – 11:15) • Risk management maturity models • Gap analysis and progression planning
- Module 19: Case Study Review and Policy Finalization (11:30 – 01:00) • Review of notable breaches and missteps • Drafting and refining internal policies
- Module 20: Final Workshop – Build a Healthcare Risk Management Plan (02:00 – 03:30) • Create a full-cycle plan tailored to a healthcare unit

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Certification

Participants will receive a Certificate of Completion in IT Risk Management & Information Risk Management for Healthcare Industry, confirming their ability to secure health data systems, assess and mitigate IT risks, and align with global compliance frameworks.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**