Advanced Healthcare MDRO Prevention and Management Training Course

6 – 10 December 2026
Muscat

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Training Center

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Ref: 1519_212215 **Date:** 6 – 10 December 2026 **Location:** Muscat **Fees:** 5700 Euro

Overview

Advanced Healthcare MDRO Prevention and Management Training Course is a one-week course for infection prevention, stewardship, clinical, laboratory, environmental, quality, and healthcare management professionals, who leave with an MDRO Prevention and Containment Plan. The course connects surveillance, laboratory alerts, precautions, placement and cohorting, environmental controls, antimicrobial stewardship, outbreak response, transfer communication, dashboards, audit, feedback, and governance. Agile Leaders Training Center presents healthcare MDRO prevention and management as coordinated action across clinical, laboratory, operational, and leadership functions.

Who Should Attend

- Functions responsible for infection prevention and control
- Teams responsible for antimicrobial stewardship
- Personnel responsible for microbiology and laboratory alerts
- Services responsible for environmental hygiene and patient placement
- Functions responsible for quality, surveillance, and governance

The course assumes participants contribute to healthcare infection prevention or MDRO response and leaves out independent prescribing, organism identification without laboratory authority, and clinical treatment qualification.

Departments and Industries

The course supports departments and organizations that prevent, detect, communicate, and control multidrug-resistant organisms across care pathways.

- Acute and ambulatory healthcare services
- Long-term care and rehabilitation facilities
- Clinical microbiology and diagnostic laboratories
- Environmental services and facilities functions
- Quality, patient safety, and public health liaison teams

Learning Objectives

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

- Analyze MDRO surveillance and resistance information
- Apply routine and intensified control measures
- Build laboratory, transfer, and escalation communication
- Evaluate placement, cleaning, and equipment controls
- Use outbreak containment and stewardship coordination tools
- Prioritize dashboards, audit, feedback, and governance

Course Agenda

Day 1: MDRO Surveillance and Risk

- MDRO Scope and Organism Profile Map
- Colonization and Infection Classification Guide
- Facility Risk and Transmission Pathway Assessment
- Incidence, Prevalence, and Trend Dashboard
- Laboratory Alert and Escalation Protocol

Day 2: Routine Transmission Controls

- Standard Precautions Application Checklist
- Contact and Enhanced Barrier Precautions Matrix
- Patient Placement and Cohorting Decision Tool
- Dedicated Equipment and Device Control Plan
- High-Touch Environmental Cleaning Audit

Day 3: Coordinated MDRO Management

- Antibiogram and Resistance Trend Review
- Antimicrobial Stewardship Coordination Map
- Clinical, Laboratory, and IPC Huddle Template
- Interfacility MDRO Transfer Communication Form
- Patient and Carer Information Plan

Day 4: Containment and Governance

- Novel or Targeted MDRO Containment Pathway
- Contact Identification and Screening Plan
- Outbreak Line List and Epidemiologic Curve
- Control-Measure Intensification Decision Grid
- Leadership Oversight and Corrective Action Register

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Day 5: MDRO Control Practice

- Suggested Exercise: Surveillance Signal Review
- Suggested Exercise: Precautions and Placement Decision
- Suggested Exercise: Environmental and Equipment Audit
- Suggested Exercise: Outbreak Containment Coordination
- Capstone Exercise: MDRO Prevention and Containment Plan

Practical Exercises

The course uses suggested activities based on fictional acute care, long-term care, laboratory, rehabilitation, and transfer scenarios.

- Suggested activity: interpret an MDRO trend and decide whether routine or intensified measures are needed.
- Suggested activity: select precautions, placement, equipment, and environmental controls for a care setting.
- Suggested activity: coordinate laboratory notification, stewardship review, transfer communication, and leadership escalation.
- Suggested activity: build a containment response with screening, line listing, corrective actions, audit, and feedback.

FAQs

Who suits healthcare MDRO prevention and management training, and what does it assume?

Infection prevention, stewardship, clinical, laboratory, environmental, quality, and management professionals suit the training; it assumes responsibility for organizational controls and access to local procedures and expertise.

How does healthcare MDRO management differ from general infection-control training?

Healthcare MDRO management focuses on resistant-organism surveillance, laboratory alerts, targeted precautions, stewardship coordination, transfer communication, intensified controls, and containment, while general infection-control training covers broader foundational practices.

What is the difference between MDRO colonization and infection?

Colonization means an organism is present without signs of infection, while infection involves clinical illness; surveillance and control decisions should preserve this distinction and use laboratory and clinical information appropriately.

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When should MDRO control measures be intensified?

Control measures should be intensified when routine measures do not reduce incidence or prevalence, or when an epidemiologically important first case or outbreak requires additional assessment, screening, precautions, environmental action, communication, and oversight.

Why is interfacility communication important in MDRO management?

Interfacility communication gives receiving teams timely information about known colonization or infection, required precautions, unresolved actions, laboratory findings, and follow-up needs so controls continue across transitions of care.

Conclusion

Participants leave with an MDRO Prevention and Containment Plan containing surveillance, alert, precaution, placement, cleaning, stewardship, transfer, outbreak, dashboard, audit, and governance tools. The plan aligns clinical, laboratory, environmental, and leadership actions. It helps organizations detect transmission, apply proportionate controls, coordinate containment, and review whether interventions reduce risk.