Effective Infection Prevention and Control Management Training Course



21 - 25 Dec 2026

Cairo

3700 € (Per Person)

Ref: #HSM3018_276177

Course Introduction / Overview:

This comprehensive training course provides an in-depth exploration of the principles and practices of modern infection prevention and control. In an era where healthcare-associated infections (HAIs) and antimicrobial resistance pose significant threats to global health, mastering effective prevention strategies is paramount. This program is meticulously designed to equip participants with the knowledge and skills to develop, implement, and manage robust infection control programs within any healthcare setting. Drawing upon evidence-based guidelines from leading global health organizations, the curriculum delves into the core components of infection control, from foundational epidemiology to advanced outbreak management. As highlighted by experts like William A. Rutala, whose work on the "Guideline for Disinfection and Sterilization in Healthcare Facilities" has set industry standards, a scientific approach to environmental control and patient care is critical. This BIG BEN Training Center course moves beyond theoretical knowledge, focusing on practical application, risk assessment, and leadership skills necessary to drive institutional change and ensure patient and staff safety. Participants will gain the confidence to lead infection control initiatives, ensuring compliance and fostering a culture of safety.

Target Audience / This training course is suitable for:

- Infection Control Practitioners and Specialists.
- Nurses, Physicians, and other Clinical Staff.
- Healthcare Administrators and Managers.
- Public Health Professionals and Epidemiologists.
- Quality Improvement and Patient Safety Officers.
- Laboratory Technologists and Staff.
- Environmental Services and Facilities Managers.
- Long-Term Care Facility Staff.
- Dental Health Professionals.

Target Sectors and Industries:

- Hospitals and Acute Care Facilities.
- Ambulatory Care Centers and Outpatient Clinics.
- Long-Term Care and Skilled Nursing Facilities.
- Public Health Organizations and Agencies.
- Governmental Health Ministries and Departments.
- Home Healthcare Agencies.
- Pharmaceutical and Medical Device Industries.
- Academic and Research Institutions.
- Dental Practices.

Target Organizations Departments:

- Infection Prevention and Control Department.
- Quality Assurance and Patient Safety Department.
- Nursing Services and Clinical Departments.
- Medical Staff and Physician Groups.
- Environmental Services and Housekeeping.
- Surgical and Operating Room Services.
- Emergency Department.
- Central Sterile Services Department.
- Employee and Occupational Health.

Course Offerings:

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

- Develop and implement a comprehensive infection prevention and control program.
- Apply the principles of epidemiology and surveillance to monitor infection rates.
- Master standard and transmission-based precautions to prevent cross-contamination.
- Conduct thorough infection control risk assessments in various healthcare settings.
- Manage and investigate healthcare-associated infection outbreaks effectively.
- Implement evidence-based strategies for disinfection, sterilization, and environmental cleaning.
- Promote and lead antimicrobial stewardship initiatives within their organization.
- Ensure compliance with national and international infection control standards and regulations.
- Educate and train healthcare staff on best practices for infection prevention.
- Develop policies and procedures for managing emerging infectious diseases.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can translate learned concepts into real-world application. We employ a blended learning approach that combines expert-led presentations with dynamic group discussions, allowing for a rich exchange of ideas and experiences. A cornerstone of the course is the extensive use of case studies and real-world scenarios, which challenge participants to apply their knowledge to solve complex infection control problems. Collaborative teamwork is fostered through group exercises and workshops, where participants work together to develop outbreak investigation plans, conduct risk assessments, and design prevention strategies. Practical sessions will cover techniques such as proper PPE usage and hand hygiene auditing. Our experienced instructors facilitate a supportive learning environment, providing personalized feedback and encouraging critical thinking. This immersive and hands-on approach ensures that participants leave not just with theoretical knowledge, but with the practical skills and confidence to lead infection control initiatives effectively in their respective organizations.

Course Agenda (Course Units):

Unit One: Foundations of Infection Prevention and Control

- Introduction to Infection Prevention and Control (IPC).
- The Chain of Infection and Epidemiological Principles.
- Microbiology for the Infection Preventionist.
- Healthcare-Associated Infections (HAIs) Overview.
- Global and National Health Safety Goals.
- The Role and Responsibilities of the IPC Team.
- Standard Precautions and Hand Hygiene.

Unit Two: Environmental Control and Aseptic Techniques

- Transmission-Based Precautions (Contact, Droplet, and Airborne).
- Personal Protective Equipment (PPE) Selection and Use.
- Principles of Cleaning, Disinfection, and Sterilization.
- Managing the Healthcare Environment and Medical Equipment.
- Healthcare Laundry and Linen Management.
- Regulated Medical Waste Management.
- Water Quality and Safety in Healthcare Settings.

Unit Three: Preventing Specific Healthcare-Associated Infections

- Strategies for Preventing Catheter-Associated Urinary Tract Infections (CAUTI).
- Preventing Central Line-Associated Bloodstream Infections (CLABSI).
- Surgical Site Infection (SSI) Prevention Bundles.
- Ventilator-Associated Pneumonia (VAP) and Events (VAE) Prevention.
- Clostridioides difficile Infection (CDI) Prevention.
- Prevention of Multidrug-Resistant Organism (MDRO) Transmission.
- Injection Safety and Safe Medication Practices.

Unit Four: Surveillance, Outbreak Management, and Stewardship

- Developing an Effective IPC Surveillance Plan.
- Data Collection, Analysis, and Interpretation.
- Principles of Outbreak Investigation and Management.
- Reporting Requirements to Public Health Authorities.
- Introduction to Antimicrobial Stewardship Programs (ASP).
- The Role of IPC in Combating Antimicrobial Resistance.
- Collaboration between IPC, the Laboratory, and Pharmacy.

Unit Five: IPC Program Management and Leadership

- Conducting an Infection Control Risk Assessment (ICRA).
- Developing and Implementing IPC Policies and Procedures.
- Education and Training Strategies for Healthcare Personnel.
- Auditing, Feedback, and Performance Improvement.
- Occupational Health and Employee Safety in IPC.
- Preparedness for Emerging Infectious Diseases and Pandemics.
- Leadership, Communication, and Advocacy in Infection Control.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

In an era of increasing antimicrobial resistance, how can infection control programs evolve from reactive measures to proactive, predictive strategies that anticipate future threats?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by moving beyond the fundamental clinical protocols of infection control to cultivate leadership and program management expertise. While many programs focus solely on the "what" of infection prevention, our curriculum emphasizes the "how" and "why," empowering participants to become strategic leaders. We integrate modules on risk assessment, data-driven decision-making, and performance improvement, skills that are critical for managing a sustainable and effective infection control program. A significant differentiator is the deep integration of antimicrobial stewardship, treating it not as a separate discipline but as an intrinsic component of modern infection prevention. Furthermore, the course content is uniquely structured to address both acute care and long-term care settings, providing a holistic view of the healthcare continuum. By focusing on real-world case studies, policy development, and the communication skills needed to champion change, this training provides a comprehensive, management-focused education that prepares professionals not just to participate in infection control, but to lead and innovate within it, ensuring they are equipped for current challenges and emerging infectious disease threats.