Integrated Hospital Waste and Infection Control Protocols Training Course

21 - 25 Dec 2026

Cape town

4600 € (Per Person)

Ref: #HOS7583_277212

Course Introduction / Overview:

This comprehensive training course provides an in-depth exploration of the critical intersection between hospital waste management and infection control. In today's healthcare environment, the effective management of biomedical waste is not merely a logistical or environmental issue but a cornerstone of patient safety and public health. Improper handling of healthcare risk waste can lead to the spread of hospital-acquired infections (HAIs), posing significant threats to patients, staff, and the wider community. This program, offered by BIG BEN Training Center, is meticulously designed to bridge the gap between theoretical knowledge and practical application. Drawing upon principles established by leading experts like Dr. William A. Rutala, a renowned authority in disinfection and sterilization, the course delves into best practices for waste segregation, handling, treatment, and disposal. Participants will gain a robust understanding of regulatory frameworks, risk assessment, and the implementation of effective infection prevention and control (IPC) protocols, as detailed in seminal works such as the "Guideline for Disinfection and Sterilization in Healthcare Facilities". This course equips professionals with the necessary skills to develop and maintain a safe, compliant, and sustainable healthcare environment, ultimately minimizing risks and enhancing the quality of care.

Target Audience / This training course is suitable for:

- Hospital Administrators and Managers.
- Infection Control Practitioners and Nurses.
- Environmental Services (EVS) Supervisors and Staff.
- Healthcare Facility and Safety Officers.
- Clinical and Laboratory Staff.
- Quality Assurance and Compliance Managers.
- Public Health Officials and Regulators.
- Waste Management Officers and Technicians.
- Pharmacists and Pharmacy Technicians.
- Surgical Department Staff.

Target Sectors and Industries:

- Hospitals and Medical Centers.
- Clinics and Outpatient Facilities.
- Long-Term Care and Rehabilitation Centers.
- Diagnostic and Research Laboratories.
- Dental Practices.
- Pharmaceutical Companies.
- Governmental Health and Environmental Agencies.
- Medical Waste Management and Disposal Companies.
- Veterinary Clinics and Hospitals.
- Blood Banks and Transfusion Centers.

Target Organizations Departments:

- Infection Prevention and Control Department.
- Environmental Health and Safety (EHS) Department.
- Facilities Management and Operations.
- Nursing and Clinical Services.
- Housekeeping and Environmental Services.
- Quality Management and Patient Safety.
- Laboratory and Pathology Services.
- Pharmacy Department.
- Surgical and Operating Theaters.
- Supply Chain and Procurement.

Course Offerings:

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

- Develop a comprehensive healthcare waste management plan.
- Implement effective waste segregation, collection, and storage protocols.
- Apply standard and transmission-based precautions to prevent infections.
- Conduct risk assessments for waste handling and infection control procedures.
- Ensure compliance with local and international regulatory standards.
- Manage sharps, pharmaceutical, and other hazardous medical waste safely.
- Respond effectively to outbreaks and infection control breaches.
- Promote a culture of safety and accountability within the healthcare facility.
- Implement sustainable and environmentally sound waste disposal practices.
- Train and supervise staff on proper waste management and IPC techniques.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to foster a dynamic and engaging learning environment that prioritizes practical application and skill mastery. This course moves beyond traditional lectures to incorporate a blend of interactive learning techniques. Participants will engage in detailed case studies of real-world infection control breaches and waste management failures to analyze root causes and develop effective prevention strategies. Facilitated group discussions and brainstorming sessions will encourage the sharing of experiences and collaborative problem-solving. The curriculum includes simulated scenarios where participants must apply their knowledge to manage waste-related emergencies or infection outbreaks in a controlled setting. Practical workshops will focus on critical skills such as the correct use of Personal Protective Equipment (PPE), proper hand hygiene techniques, and waste segregation drills. Throughout the course, our expert instructors provide continuous guidance and constructive feedback, ensuring that participants can confidently translate theoretical concepts into actionable protocols within their own work environments. This hands-on, participant-centered approach ensures a deep and lasting understanding of the subject matter.

Course Agenda (Course Units):

Unit One: Foundations of Healthcare Waste and Infection Control

- Introduction to Healthcare Waste Management.
- Classification of Medical Waste (Infectious, Sharps, Pharmaceutical, etc.).
- Principles of Infection Prevention and Control (IPC).
- The Chain of Infection and How to Break It.
- Global and National Regulatory Frameworks (WHO, EPA, OSHA).
- The Role of Environmental Services in Patient Safety.
- Understanding Hospital-Acquired Infections (HAIs).

Unit Two: Practical Waste Management Procedures

- Waste Segregation, Color-Coding, and Labeling Systems.
- Safe Collection and On-Site Transportation of Healthcare Waste.
- Waste Storage Requirements and Best Practices.
- Handling and Disposal of Sharps Waste.
- Management of Liquid and Chemical Medical Waste.
- Documentation, Record-Keeping, and Waste Tracking.
- Personal Protective Equipment (PPE) for Waste Handlers.

Unit Three: Core Infection Prevention and Control Protocols

- Standard Precautions for All Patient Care.
- Transmission-Based Precautions (Contact, Droplet, and Airborne).
- Effective Hand Hygiene Techniques and Auditing.
- Disinfection and Sterilization of Medical Equipment and Surfaces.
- Environmental Cleaning and Decontamination Protocols.
- Management of Blood and Body Fluid Spills.
- Strategies for Preventing Surgical Site Infections (SSIs).

Unit Four: Advanced Topics and Emergency Preparedness

- Management of Pharmaceutical and Cytotoxic Waste.
- Handling Radioactive and Pathological Waste.
- Developing an Outbreak Investigation and Management Plan.
- Infection Control in Special Areas (ICU, Operating Rooms, Laboratories).
- Healthcare Laundry and Linen Management.
- Emergency Response for Waste-Related Incidents and Spills.
- Antimicrobial Resistance and Stewardship Programs.

Unit Five: Auditing, Compliance, and Sustainable Practices

- Developing and Implementing an IPC and Waste Management Program.
- Conducting Risk Assessments and Safety Audits.
- Training, Education, and Competency Assessment for Staff.
- Monitoring, Evaluation, and Continuous Quality Improvement.
- Healthcare Waste Minimization and Recycling Strategies.
- Introduction to Sustainable Waste Treatment Technologies (Autoclaving vs. Incineration).
- Creating a Culture of Safety and Compliance in the Workplace.

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:

Beyond regulatory compliance, what is the single most significant ethical responsibility a healthcare facility holds in managing its waste and controlling infections, and how does this impact community health?

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

This course distinguishes itself by offering a uniquely integrated and holistic perspective, treating waste management and infection control not as separate functions but as two deeply interconnected pillars of patient and public safety. While many programs focus on one area or the other, our curriculum is built on the principle that a failure in waste protocol is a direct threat to infection control. We move beyond simple procedural training to cultivate a risk-based mindset, empowering participants to conduct thorough assessments and develop proactive, facility-specific strategies rather than just following a generic checklist. The course emphasizes the "why" behind the "what," exploring the microbiology of pathogens and the epidemiology of HAIs to provide a deeper scientific understanding. Furthermore, it incorporates a strong focus on sustainability and modern best practices, preparing professionals not only for current regulatory demands but also for the future of environmentally responsible healthcare. By blending rigorous academic principles with practical, scenario-based learning, the course ensures that participants leave with the critical thinking skills and confidence to lead and implement effective, compliant, and forward-thinking safety programs in their organizations.