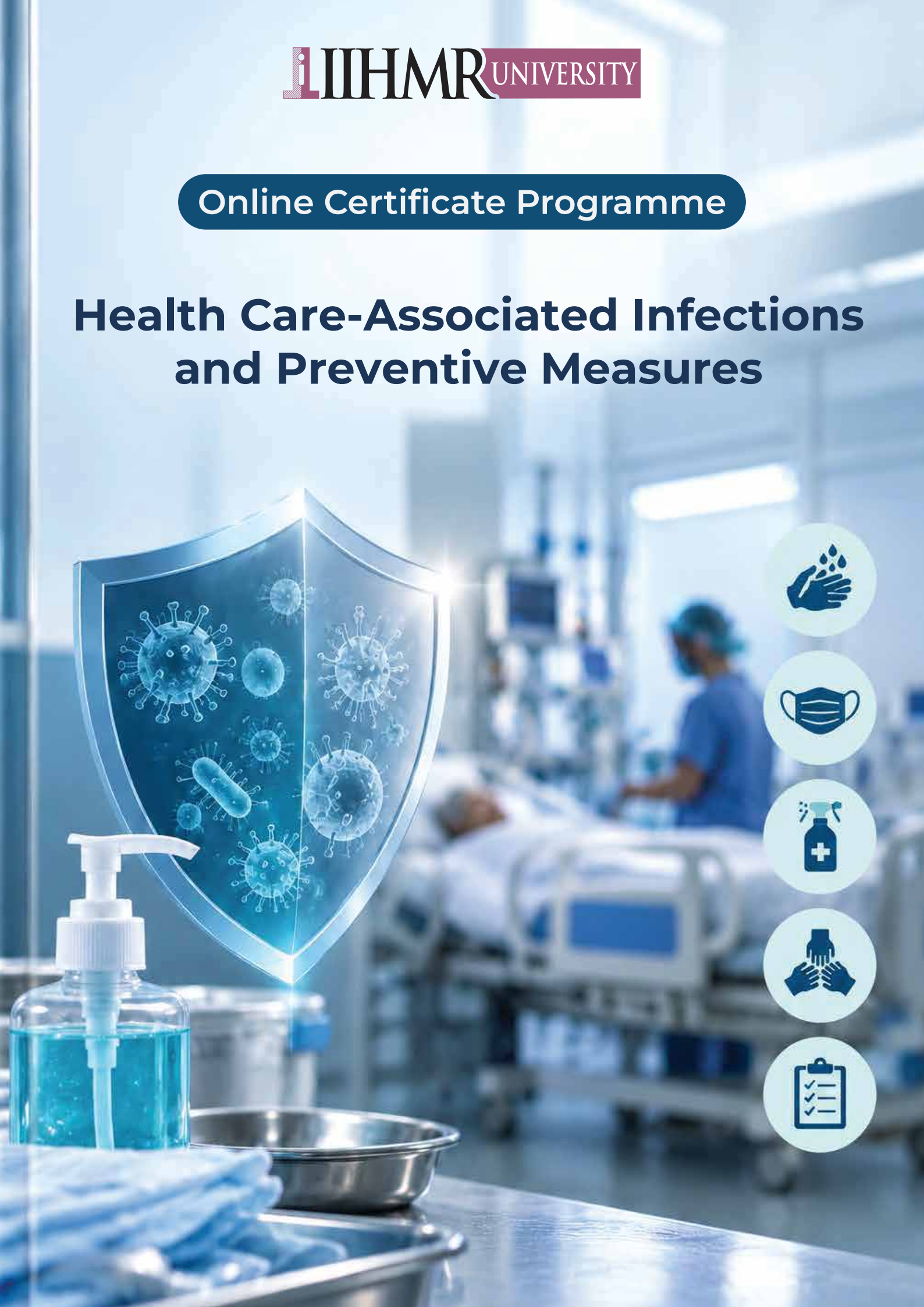
IIHMR UNIVERSITY

Online Certificate Programme

Health Care-Associated Infections and Preventive Measures



Background

Hospital-acquired infections (HAIs) are a major patient-safety and public-health concern, contributing to preventable morbidity, mortality, prolonged hospital stays, increased healthcare costs, antimicrobial use, and risks to healthcare workers.

This programme develops practical competencies in infection prevention and control (IPC), HAI surveillance, standard and transmission-based precautions, antimicrobial stewardship, outbreak preparedness, and quality improvement, enabling healthcare professionals to translate evidence and standards into effective workplace practices.



Objectives

- Understand the epidemiology, transmission and consequences of common healthcare-associated infections.
- Apply standard and transmission-based precautions in routine and high-risk healthcare situations.
- Use IPC assessment, surveillance and audit approaches to identify and address performance gaps.
- Analyse the antimicrobial stewardship, behavioural and organizational determinants of effective infection prevention.
- Design a feasible, evidence-informed IPC improvement plan for a healthcare setting

Course Contents

- **HAI & IPC Foundations:** Epidemiology, transmission pathways, chain of infection, patient and healthcare-worker risks.
- **Precautions & Environmental Safety:** Hand hygiene, PPE, isolation, injection safety, cleaning, waste management and occupational safety.
- **IPC Programmes & Surveillance:** WHO core components, IPCAF, governance, audit, HAI surveillance and outbreak response.
- **Quality Improvement & Innovation:** Quality improvement approaches, monitoring, implementation strategies and digital/ diagnostic innovations.
- **Workplace IPC Application:** Facility gap assessment, development of an evidence-informed improvement plan and capstone presentation.

Pedagogy

The programme follows an adult-learning and competency-based approach, moving from evidence and concepts to demonstration, case application, peer discussion and workplace use.

Learning is facilitated through interactive faculty sessions, case-based learning, short simulations, expert/practitioner sessions, group activities, peer learning, guided self-learning, audit exercises and workplace application projects. Participants progressively develop an IPC improvement plan relevant to their own healthcare setting.

Programme Duration

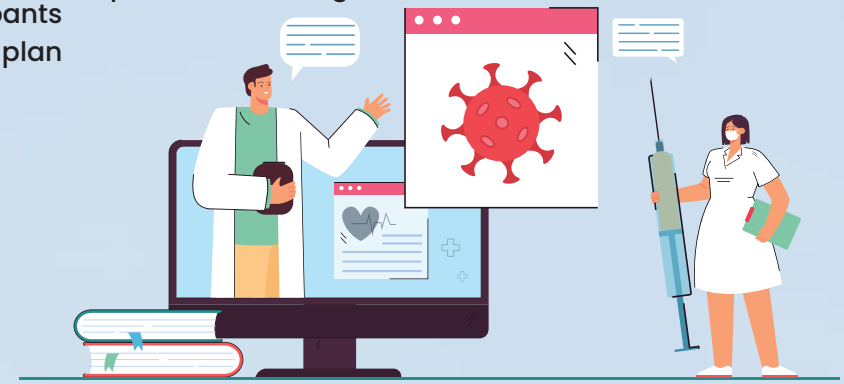
Duration: 3 Months (12 Weeks)

Learning Hours:

- 24 Hours Online Instructor-led Sessions
- 24 Hours Guided Self-learning

Credits: 3 Credits

Mode: Live Online (Faculty-led sessions with hands-on practical learning)



Programme Highlights

- Build practical competencies in infection prevention, patient safety and HAI risk management.
- Learn to apply standard and transmission-based precautions, environmental controls and occupational safety measures.
- Gain hands-on understanding of IPCAF, HAI surveillance, audit and outbreak-response approaches.
- Develop capabilities in antimicrobial stewardship, behaviour change and safety culture.
- Apply quality improvement and implementation strategies to address facility-level IPC gaps.
- Develop a measurable workplace IPC improvement plan through an applied capstone project.

Who Should Attend?

This programme is ideal for:

- Physicians, Nurses, Dentists, Pharmacists & Allied Health Professionals
- Infection Prevention & Control, Quality and Patient-Safety Professionals
- Microbiologists, Laboratory Professionals & Hospital Epidemiology Teams
- Hospital Administrators, Healthcare Managers & Accreditation Professionals
- Public Health Professionals, Programme Managers, Faculty & Researchers
- Healthcare Professionals involved in AMR, Antimicrobial Stewardship & Quality

Eligibility

Applicants should hold a recognized Bachelor's degree in Medicine, Dentistry, Nursing, Allied Health, Pharmacy, Microbiology, Life Sciences, Public Health, Health Management, or a related field. Diploma-qualified healthcare professionals with 2+ years of relevant experience are also eligible. Basic digital skills, English proficiency, and reliable internet access are required.

Registration

For programme schedule, fee details, and registration, please contact:

Office of Online Certificate Programmes (OCP)
IIHMR University
1, Prabhu Dayal Marg, Sanganer Airport Jaipur – 302029
Rajasthan, India
Mobile: +91 91458 88955 | Tel: +91-141-3924700
Email: Onlinecertificate@iihmr.edu.in

Assessment

Participants will be evaluated through:

- Quizzes / Knowledge Checks
- Individual Facility Gap-Assessment Assignment
- Group Case Analysis / Presentation
- Capstone IPC Improvement Plan & End-Term Viva

Programme fee

The programme fee for Indian participants is Rs. 30,000 plus GST (18% as applicable), and for international participants it is USD 315 plus GST (18% as applicable).

Discounts on Fee

- **Early Bird Discount:** Nominations received with payment before four weeks of the commencement of the programme will be entitled to a 10% early bird discount.
- **Group Discount:** Any organization sponsoring four or more participants to the programme will be entitled to a 20% discount on the total fee payable, provided that at least four participants attend the programme.
- **Maximum Discount:** Organizations can avail themselves of both discounts, subject to a maximum discount of 20%.

Certificate

Participants successfully completing the programme and fulfilling the attendance and assessment requirements will receive a Certificate of Completion from IIHMR University, Jaipur.

Programme Coordinator



Dr. Mamta Chauhan
Professor
IIHMR University, Jaipur



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