



IPC Sameeksha*

Highlights

- Effectiveness of tissue adhesive to reduce central line-associated bloodstream infection (CLABSI)
- Simulation-based IPC training for medical and healthcare students
- Strategies to prevent aerosol-generated microbial contamination in dental procedures
- Tools and strategies to monitor hospital environmental hygiene services
- MoHFW's implementation guidebook on solid waste management in healthcare facilities
- Checklists for strengthening WASH for emergency preparedness and response

Publications from scientific journals

Effect of tissue adhesive application on central line-associated bloodstream infections: a multi-centre retrospective study

- Studies effectiveness of a tissue adhesive applied at exit site of central line catheters in reducing central line-associated bloodstream infection (CLABSI).
- Finds significantly lower CLABSI rates without serious adverse effects when a tissue adhesive was used.

The Journal of Hospital Infection | Research article | 10 May 2025 | [Online link](#)

Digitalised measures for the prevention of central line-associated bloodstream infections: a scoping review

- Summarizes evidence on the use and impact of digitalised measures to prevent CLABSI.
- Although few studies find digital interventions effective in reducing CLABSI, more research is needed on their performance and effectiveness.

Antimicrobial Resistance & Infection Control | Review Article | 12 May 2025 | [Online link](#)

Simulation-based infection prevention and control training for medical and healthcare students: a systematic review

- Reviews the effectiveness of simulation-based versus traditional IPC strategies of IPC education.
- Both types of IPC education improve student knowledge – but simulation-based IPC training is better in acquisition of skills and attitudes, while traditional lectures are better for reinforcing knowledge.

Frontiers | Review article | 14 May 2025 | [Online link](#)

Visualizing the WHO “My Five Moments for Hand Hygiene,” framework: a virtual reality training program for improving hand hygiene adherence among nurses

- Evaluates VR-based training programme on WHO’s “My Five Moments for Hand Hygiene” framework to provide visual feedback on infection transmission and hand hygiene adherence in four clinical scenarios.
- Advocates future research to explore VR’s impact on real-world hand hygiene adherence by verifying the transfer of VR learning into clinical practice.

American Journal of Infection Control | Major article | May 2025 | [Online link](#)

Strategies for preventing aerosol-generated microbial contamination in dental procedures: a systematic review and meta-analysis

- Reviews evidence on controlling and preventing aerosol-generated microbes during dental procedures by using suction devices or pretreatment with antibacterial mouthwashes.
- Highlights the need for multiple strategies to reduce the risks associated with aerosol-borne microorganisms during dental procedures to protect the health and safety of HCWs and patients.

American Journal of Infection Control | Review article | May 2025 | [Online link](#)

Tools and strategies for monitoring hospital environmental hygiene services

- Scoping review to identify and assess different monitoring approaches for environmental cleaning in healthcare settings.
- Recommends a combination of visual inspection, ATP assays and microbiological methods for effective monitoring of environmental cleaning practices.

The Journal of Hospital Infection | Research article | May 2025 | [Online link](#)

Assessment framework for infection prevention and control competence in trained nurses in regional medical communities: development and implementation

- Evaluates the effectiveness of an assessment framework to improve the competency of professional nurses in infection prevention and control within a Chinese regional medical community.
- Highlights the importance of tailored training programmes and continuous improvement of evaluation systems to enhance IPC competence in nurses.

Infection and Drug Resistance | Original research | 14 May 2025 | [Online link](#)

Impact of ultraviolet light disinfection on reducing hospital-associated infections: a systematic review in healthcare environments

- Evaluate the effectiveness of ultraviolet light (UVL) in reducing healthcare associated infections (HAIs) in various hospital settings.
- UVL disinfection technologies have shown potential in reducing HAIs, especially when they are part of a comprehensive IPC strategy.

Journal of Hospital Infection | Review article | May 2025 | [Online link](#)

Between heuristic and deliberative thinking: a multi-center qualitative study of physicians' decision-making in infection prevention practice

- Aims to understand physicians' decision-making processes around application of IPC and the factors that influence their behaviour.
- Calls for customised and tailored approach to address diverse settings and challenges faced by physicians in healthcare settings.

Antimicrobial Resistance & Infection Control | Research | 15 May 2025 | [Online link](#)

Guidelines

Implementation guidebook of solid waste management in healthcare facilities: for sustainable and safe waste practices

- Provides guidance for effective, efficient and comprehensive management of general solid waste in healthcare settings.
- Promotes holistic waste management, conserve and optimise use of resources, ensure compliance with rules and regulations, prevent environmental pollution, avoid contamination/exposure risk, and enhance safety.

NHSRC - MoHFW | Guidance | 7 May 2025 | [Online link](#)

Checklists for strengthening water, sanitation and hygiene emergency preparedness and response

- Checklists designed to strengthen the readiness of water, sanitation and hygiene (WASH) services in emergency and conflict settings.
- Address essential WASH services to prevent infectious diseases and ensure safe water access for hydration, hygiene and food preparation.

WHO | Technical document | 19 May 2025 | [Online link](#)

Clinical management and infection prevention and control for mpox: living guideline, May 2025

- Incorporates new evidence to update recommendations for clinical management and IPC for mpox infection.
- Useful for public health specialists, doctors, health facility managers, healthcare workers, health emergency responders and IPC practitioners.

WHO | Guideline | 2 June 2025 | [Online link](#)

Interim infection prevention and control recommendations for measles in healthcare settings

- Provides guidance on preventing and controlling measles in healthcare settings.
- Recommends a multi-faceted approach to prevent measles transmission as part of a comprehensive IPC programme to protect patients, staff, and visitors in all types of healthcare settings.

CDC | Guidelines | 21 May 2025 | [Online link](#)

Training / IEC resources

Infection Control Micro-Learns – Measles

- Includes an adaptable discussion guide for the facilitator and a job aid on prevention of measles for HCWs.
- Focuses on identification and isolation of cases, informing the health authorities and individual actions of HCWs to prevent the spread of Measles.

CDC | User guide | 7 May 2025 | [Online link](#)

Infection prevention and control in community and healthcare settings

- Recording of session 8 from Fifth World Sepsis Congress (in April 2025).
- Includes presentations on the sepsis challenge vis-a-vis the global health agenda, global action plan on IPC to prevent sepsis in healthcare settings, rapid diagnostics and diagnostic stewardship to prevent infection evolution to sepsis, preventing sepsis using vaccines that reduce AMR, and WASH as an IPC measure for sepsis prevention.

World Sepsis Congress | YouTube video | May 2025 | [Online link](#)

Quotable quote

Hand hygiene is the simple act that saves many lives.

– Dr Roderico H. Ofri
WHO Representative to India

* *Sameeksha* is a Hindi word, meaning review. This compilation of recent IPC resources includes a brief summary of relevant publications from scientific journals, guidelines, and training/IEC resources, along with a link to the online resource. The primary target audience includes clinical and public health IPC professionals from both public and private sector in India. Kindly note: inclusion of publications/resources in this review does not imply an endorsement by WHO.