



IPC Sameeksha*

Highlights

- Investment case for strengthening infection prevention and control
- Role of masks and respirators in preventing respiratory infection in healthcare and community settings
- Systematic review of IPC measures for multidrug-resistant organisms
- WHO training on prevention of vascular catheters-associated bloodstream infections
- Global report on implementation of the water and sanitation for health facility improvement tool (WASH-FIT)
- WHO training on IPC in maternal and neonatal care

Publications from scientific journals

Establishing robust infection control at a new hospital: the AIIMS Rajkot experience

- The journey of AIIMS Rajkot shows the importance of a structured approach to establish the IPC programme in new healthcare settings.
- Highlights the need for continuous improvement efforts to effectively addressing the challenges of IPC to enhance patient and staff safety.

International Journal of Infection Control | Case study | 28 January 2025 | [Online link](#)

The role of masks and respirators in preventing respiratory infections in healthcare and community settings

- Reviews evidence after the covid pandemic that supports the effectiveness of masks and respirators.
- Recommends that mask guidelines should be adaptable to the specific context and account for rising epidemic activity, and whether a pathogen has asymptomatic transmission.

BMJ | Clinical review | 27 February 2025 | [Online link](#)

Infection prevention and control measures for multidrug-resistant organisms: a systematic review and network meta-analysis

- Reviews effectiveness of standard precautions, contact precautions, hand hygiene, environmental cleaning, antimicrobial stewardship programs, decolonization, and chlorhexidine baths for combating MDROs.
- Effective IPC interventions vary based on the MDRO, its carriage, intervention setting, and the resistant strain; but contact precautions are a critical intervention to prevent the spread of all MDROs.

Infection | Research | 17 March 2025 | [Online link](#)

Quantifying the progressing landscape of infection preventionists: a survey-based analysis of workload and resource needs

- Cross-sectional, web-based survey used to assess staffing and resource allocation strategies for infection prevention departments in USA.
- Highlights the understaffing in infection prevention departments and extended working hours of infection preventionists across healthcare settings.

American Journal of Infection Control | Article | 7 March 2025 | [Online link](#)

Infection prevention behaviour among hospital nursing staff: navigating in a complex and shifting work environment

- Highlights the difficulties faced by nursing staff in maintaining infection prevention behaviours in hospital settings in Sweden.
- Recommends a multi-tiered approach with organizational support to sustain safe IPC practices.

Journal of Infection control | Research article | 20 February 2025 | [Online link](#)

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

- Summarizes the importance of comprehensive infection prevention strategy where ultraviolet light (UVL) disinfection technologies have demonstrated potential in reducing HAIs.
- Effectiveness of UVL disinfection varies by application, pathogen type and healthcare setting and recommends further research to optimize UVL implementation and assess its cost-effectiveness in different clinical settings.

The Journal of Hospital Infection | Review | 7 February 2025 | [Online link](#)

Using electronic medical records in hospital simulation for infection control intervention assessment

- Agent-based model estimates the effects of IPC interventions using data from electronic medical records (EMR) to simulate pathogen transmission.
- Recommends collection of more data on infection control and environmental contamination to improve estimating the impact of IPC interventions.

Infection Control & Hospital Epidemiology | Original article | 9 January 2025 | [Online link](#)

Increased incidence of blood culture contaminations during and after the COVID-19 pandemic

- Retrospective, observational cohort study in a Swiss hospital network finds a substantial surge in blood culture contamination (BCC) during and after the COVID-19 pandemic.
- Highlights the need for improving awareness and periodic training of healthcare workers, to maintain the standards of blood culture collection.

Infection | Brief report | 3 March 2025 | [Online link](#)

Greening infection prevention and control: multifaceted approaches to a sustainable future

- Describes the interdependence between sustainability, climate change, and IPC for improving the environmental footprint of health care.
- Recommends collaborative efforts between healthcare epidemiologists and infection preventionists to prioritize measures to sustain infection control and improve environmental footprint without placing patients or staff at risk of infection.

Open Forum Infectious Diseases | Journal article | February 2025 | [Online link](#)

Guidelines

The case for investment and action in infection prevention and control

- Provides evidence on the expected return in investment in and guidance for implementing the WHO global action plan on IPC at the country level.
- Recommends prioritising WHO minimum requirements for IPC in all countries – to ensure safety of patients, health workers, families and visitors – and achieve targets to reduce HAIs and AMR.

WHO | Technical document | 5 March 2025 | [Online link](#)

Syndromic screening for infection prevention and control measures during public health emergencies

- Describe simplified screening approach for early detection and safe placement of infectious patients to avoid reduce the risk of transmission of HAIs.
- Includes tools for active and passive screening of patients for signs and symptoms of suspected infectious rash, infectious diarrhoea or acute respiratory infection.

WHO | Technical document | 6 March 2025 | [Online link](#)

The impact of health disparities and inequities on healthcare associated infections: a call to action

- Explores the intersection of infection prevention and social determinants of health, to clarify systemic inequities that contribute to healthcare-associated infections (HAIs).
- Provides infection preventionists with actionable knowledge to reduce infections and health disparities.

Association for Professionals in Infection Control & Epidemiology | White paper | 5 February 2025 | [Online link](#)

Preventing catheter-associated urinary tract infections: a position paper of the International Society for Infectious Diseases, 2024 update

- Review shows CAUTI rates in LMICs continue to be three times higher than those in high-income countries.
- Updates recommendations regarding efficacy of interventions across all settings, and adoption of supplementary measures specific for LMICs.

International Journal of Infectious Diseases | ISID Guideline | February 2025 | [Online link](#)

Implementation of the water and sanitation for health facility improvement tool (WASH FIT): global report

- Provides an analysis of the application of the Water and Sanitation for Health Facility Improvement tool (WASH FIT) along with case studies from selected countries.
- Outlines evidence-based recommendations for effective implementation of WASH interventions.

WHO | Global report | 12 February 2025 | [Online link](#)

Infection prevention and control and water sanitation and hygiene in health facilities during mpox disease outbreaks

- Recommends IPC and WASH rapid assessment tool to assess health facilities in mpox-affected areas.
- Provides detailed instructions on parameters for each criterion, data collection and follow-up actions based on the assessment findings, and recommendations to strengthen IPC.

WHO | Assessment tool & user guide | 19 February 2025 | [Online link](#)

Infection prevention and control and water, sanitation and hygiene measures during mpox vaccination activities

- Outlines key infection control principles for safe administration of mpox vaccines.
- Provides guidance on ensuring implementation of standard precautions, including clean, well-ventilated environment, training for health workers and information for the public.

WHO | Operational guideline | 19 February 2025 | [Online link](#)

Infection prevention and control systems in six priority countries in the Western Pacific Region: regional report 2023

- Reviews status of implementation of IPC in the six priority countries in WHO's Western Pacific region.
- Recommends prioritization of strengthening IPC governance, improving HAI surveillance and IPC training, and ensuring monitoring of IPC compliance.

WHO | Publication | 13 February 2025 | [Online link](#)

Training / IEC resources

Prevention of vascular catheters-associated bloodstream infections

- Provides information on specific types of infections, recommended best practices for insertion, maintenance, and removal of vascular catheters.
- Describes approaches to implement surveillance of bloodstream infections, and explains role of multimodal strategies to prevent infections associated with the use of peripheral and central venous catheters.

WHO Academy | Training course | 17 December 2024 | [Online link](#)

Infection prevention and control in maternal and neonatal care

- Includes modules covering standard precautions and their applications in antenatal care, labour, childbirth and neonatal care.
- Target audience includes staff in maternal and neonatal departments.

WHO Academy | Training course | 16 December 2025 | [Online link](#)

Water, sanitation and hygiene and infection prevention and control measures for infectious diarrhoea in healthcare settings

- One-pager summary of WASH and IPC interventions for managing infectious diarrhoea in healthcare settings.

WHO | Publication | 18 February 2025 | [Online link](#)

Risk assessment tool for identifying and managing health and care workers with a potential occupational exposure to monkeypox virus

- Risk assessment tool to evaluate healthcare workers with an occupational exposure to a person with mpox.
- Helps in risk categorization and strategies for management of the exposed healthcare worker.

WHO | Technical document | 30 January 2025 | [Online link](#)

IPC measures for Ebola and Marburg disease: past and present

- Updates IPC practices for management of Ebola and Marburg disease patients.

WHO | Infographic | 11 December 2025 | [Online link](#)

Quotable quote

It might be gloves. It's always hand hygiene.

– Theme of [World Hand Hygiene Day 2025](#)

* *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.