



IPC Sameeksha*

Highlights

- Leadership experiences of IPC professionals
- Global landscape and professionalization of infection preventionist education
- Role of infection control nurse in prevention and control of hospital acquired infection in ICU
- WHO training on healthcare associated infection surveillance
- Infection prevention and control for multidrug-resistant organisms in adult social care settings

Publications from scientific journals

Leadership experiences of infection prevention and control professionals: findings from the Leadership Evaluation and Development for Infection Preventionists study

- Analyses data from trainees who underwent Advanced Leadership Certification in IPC (AL-CIP) across two 2025 certification cycles.
- Finds that AL-CIP reinforced systems-level leadership confidence and credibility, and supported career advancement, highlighting its value to strengthen the IPC workforce.

American Journal of Infection Control | Major article | 28 January 2026 | [Online link](#)

Antibiotic prophylaxis in trauma and orthopedic surgery

- Studies the current practices and adherence to recent national guidelines for using antibiotics in trauma and orthopaedic surgery across 36 German hospitals.
- Recommends stronger implementation of national standards to reduce overtreatment and support antimicrobial stewardship.

Die Unfallchirurgie (Trauma Surgery) | Article | 5 December 2025 | [Online link](#)

Artificial intelligence predicts healthcare workers' antibiotic use intentions from psychological and behavioral measures across multiple theories

- Cross-sectional study to integrate behavioural theory with explainable machine learning to identify psychological predictors of intention to use antimicrobials appropriately among 1,135 Chinese clinicians.
- Findings support the development of psychologically tailored, real-time interventions to strengthen antibiotic stewardship and address AMR across diverse health-system settings.

Scientific Reports | Article | 28 January 2026 | [Online link](#)

Global landscape and professionalization of infection preventionist education: comparative insights and future directions

- Authors propose an “IP Education Maturity Spectrum” – based on institutional integration, competency orientation and career sustainability to categorise education systems and models across countries.
- Advocates for academic integration, standardized competencies, digital education, and international harmonisation to strengthen IPC workforce capacity and reduce healthcare-associated infections worldwide.

Frontiers in Public Health | Mini Review article | 9 January 2026 | [Online link](#)

Risk factors and surveillance for post discharge surgical site infections: a prospective analysis

- Aims to identify risk factors for SSI and detect post-discharge SSI in selected surgeries and compare it with standard surveillance data.
- Recommends post-discharge follow-up of patients with a higher risk of developing SSI, such as those with diabetes, obesity, or those who had a urinary catheter placed during surgery.

International Journal of Infectious Diseases | Research article | 25 January 2026 | [Online link](#)

Outbreak of mucocutaneous *Candida* infections in newborns: clinical implications, investigation, and control measures

- Studies an outbreak of oral/genital Candida infections in an Italian newborn nursery and finds female sex, small-for-gestational-age, low Apgar scores, and phototherapy were linked to infection.
- Highlights the importance of active surveillance, IPC protocols, and environmental sanitation to control transmission and prevent outbreaks of mucocutaneous infections in neonatal settings.

Antimicrobial Stewardship & Healthcare Epidemiology | Original article | 23 January 2026 | [Online link](#)

A nationwide genomic surveillance study of Gram-negative bacteria causing community- and hospital-acquired bloodstream infections in China

- Analysis of genomes and clinical data from 1,934 Gram-negative bloodstream infection isolates (community- and hospital-acquired) across 21 Chinese hospitals, showed distinct species, resistance and virulence profiles between community (diverse lineages with virulence genes) and hospital (high-risk resistant clones) BSIs.
- Highlights the need for setting-specific AMR surveillance and tailored clinical management, as differences in pathogen genetics and resistance influence prognosis and could guide targeted infection control and therapy.

Journal of Infection | Article | 21 January 2026 | [Online link](#)

Is there a way to reduce the infection associated with external ventricular shunts? A systematic review and meta-analysis of the recent bundle of care

- Systematically reviews 17 studies assessing “care bundles” for patients with external ventricular drains (EVDs) to find implementation linked to a significant reduction in EVD-related infection risk and shorter drain durations.
- Care bundles appear effective in preventing EVD-associated infections and reducing device days, supporting their use in neurosurgical practice, but more research is needed to confirm their effects on clinical outcomes.

Neurosurgical Review | Review | 19 January 2026 | [Online link](#)

The role of infection control nurse in prevention and control of hospital acquired infection in ICU

- Shows that introduction of a trained Infection Control Nurse (ICN) improved sampling technique quality, reduced contamination, and was linked with better clinical outcomes in a prospective study of 406 ICU patients.
- Advocates for dedicated ICN to enhance IPC, improve microbiological diagnosis, and patient management – and reduce HAIs in ICUs.

Iranian Journal of Nursing and Midwifery Research | Original article | 2 January 2026 | [Online link](#)

Detection of *Candidozyma* (formerly *Candida*) *auris* from ward wastewater during an outbreak using culture and molecular methods

- Researchers tested ward wastewater alongside patient screening (culture and real-time PCR) during a hospital outbreak of *Candidozyma* (*Candida*) *auris* in the UK – which showed wastewater isolates were closely related to patient strains.
- Ward-level wastewater surveillance may offer a sensitive, cost-effective and feasible alternative to individual patient screening for early outbreak identification and monitoring of *C. auris* in healthcare settings.

The Journal of Hospital Infection | Full length article | 4 November 2025 | [Online link](#)

Enhancing infection prevention and control in behavioral health settings: barriers, facilitators, and tailored strategies

- Reviews 63 studies on IPC in behavioural health settings, identifying frequent barriers – like facility design constraints, limited staffing/training, patient behaviours, and conflicts between therapy goals and IPC needs.
- Identifies IPC facilitators like targeted staff education, interdisciplinary collaboration, and adaptable IPC policies that fit these unique environments.

Antimicrobial Stewardship & Healthcare Epidemiology | Concise Communication | 29 January 2026 | [Online link](#)

Evaluating infection prevention and control implementation in hospitals of underdeveloped region of China using the standardized WHO-IPCAF tool

- Assesses IPC implementation in 128 hospitals in Inner Mongolia – finds moderate IPC implementation (better in tertiary than secondary hospitals), with linkage of surveillance data to IPC practice as a common gap.
- Findings show IPC variation and deficiencies across hospital levels, highlighting the need for targeted investment, standardized IPC practices, and strengthened surveillance feedback to reduce HAIs.

Frontiers in Public Health | Original research article | 12 January 2026 | [Online link](#)

Replication capacity as a basis for assessing the sensitivity of microorganisms to disinfectant agents

- Authors propose the concept of Replication Capacity After Use (RCAU) as a practical endpoint to assess if microbial survival after disinfectant exposure to assess whether microorganisms truly survive disinfectant exposure at recommended concentrations and times.
- Recommends RCAU as a transparent framework to distinguish trivial survival from clinically meaningful disinfectant resistance, reinforcing that under proper use, current disinfectants remain effective.

The Journal of Hospital Infection | Full length article | 23 January 2026 | [Online link](#)

Guidelines

Infection prevention and control for multidrug-resistant organisms in adult social care settings

- Provides practical IPC principles for adult social care staff to prevent the spread of multidrug-resistant organisms such as MRSA, VRE, CPE and *Candidozayma auris*.
- Key IPC recommendations include rigorous hand hygiene, respiratory hygiene, daily environmental cleaning, appropriate use of PPE, and disinfection of shared equipment, and separating infected individuals if possible.

UK Health Security Agency | Guidance | 5 January 2026 | [Online link](#)

Infection control in healthcare personnel: epidemiology and control of selected infections transmitted among healthcare personnel and patients

- Updated CDC guideline for selected infectious diseases (cytomegalovirus, diphtheria, measles, meningococcal disease, pertussis, rabies, varicella-zoster) among healthcare personnel and patients.
- Focuses on defining exposures, clinical features, testing, post-exposure prophylaxis (PEP), work restrictions, and immunity criteria to guide occupational health services.

US-CDC | Guidance | 10 December 2025 | [Online link](#)

Training / IEC resources

Healthcare associated infection surveillance

- Practice-oriented online module teaching core principles and methods of healthcare-associated infection surveillance – including case definitions, data collection/analysis, reporting, and interpretation.
- It builds skills for designing, implementing, and improving facility- and national-level surveillance systems.

WHO Academy | Online training course | August 2025 | [Online link](#)

Quotable quote

Hand hygiene is a simple, cost-effective way to prevent the spread of infections. When done at the right time and in the right way – and combined with appropriate glove use – it protects both patients and health workers.

– [Dr Hanan Balkhy](#)
Regional Director, WHO-EMRO

* **Sameeksha** is a Hindi word, meaning review. This compilation of recent open access publications and resources on IPC – with a bulleted summary and online link – are grouped under scientific journals, guidelines, and training/IEC resources. Kindly note: inclusion of publications/resources in this review does not imply an endorsement by WHO.