



World Health
Organization
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इसमईकेशा

INFECTION PREVENTION AND CONTROL (IPC) | Volume 9 | 30 May 2024

IPC Sameeksha*

Highlights

- WHO guidelines for preventing infections associated with use of peripheral intravascular catheters
- Ten years of hand hygiene excellence show improvements in hand hygiene in healthcare facilities worldwide
- Extensive colonisation and contamination of hospital surfaces with AMR bacteria
- Use of nursing care bundles for prevention of ventilator-associated pneumonia in LMICs
- WHO guidelines for WASH interventions to prevent and control mosquito borne diseases
- Catalogue for IPC training courses available on OpenWHO

Publications from scientific journals

Ten years of hand hygiene excellence: a summary of outcomes, and a comparison of indicators, from award-winning hospitals worldwide

- Retrospective analysis of 97 healthcare facilities across Asia-Pacific, Latin America and Europe analyses data from the Hand Hygiene Excellence Award program.
- Finds improvements in hand hygiene compliance across regions; with lower average levels (<70%) in Brazil, Mexico, Ecuador, Sri Lanka and India.

Antimicrobial Resistance & Infection Control | Research | 19 April 2024 | [Online link](#)

Colonisation of hospital surfaces from low- and middle-income countries by extended spectrum β -lactamase- and carbapenemase-producing bacteria

- Demonstrates extensive contamination of hospital surfaces, notably near sink drains, with bacteria carrying multiple antibiotic resistance genes.
- Calls for strict IPC measures with tailored guidelines for each hospital.

Nature Communications | Article | 29 March 2024 | [Online link](#)

Summary of WHO infection prevention and control guideline for covid-19: striving for evidence based practice in infection prevention and control

- Overview of WHO's seventh version of the IPC guideline for COVID-19.
- Includes summaries of current recommendations and good practice statements for healthcare facilities and communities.

BMJ | Practice | 23 May 2024 | [Online link](#)

Updates and future directions regarding hand hygiene in the healthcare setting: insights from the 3rd ICPIIC alcohol-based handrub (ABHR) task force

- Presents latest recommendations on hand hygiene and alcohol-based handrub use in healthcare settings based on input from 42 IPC experts.
- Reviews hand hygiene techniques, monitoring and innovation, as well as alcohol-based handrub accessibility in low resource settings.

Antimicrobial Resistance & Infection Control | Meeting report | 29 February 2024 | [Online link](#)

Is detection of enteropathogens and human or animal faecal markers in the environment associated with subsequent child enteric infections and growth: an individual participant data meta-analysis

- Indicates that WASH interventions may fail to optimize child health due to inadequate reductions in environmental exposures to pathogens.
- Key transmission pathways are soil, children's hands and stored drinking water.

Lancet Global Health | Article | March 2024 | [Online link](#)

Use of nursing care bundles for the prevention of ventilator-associated pneumonia in low-middle income countries: a scoping review

- Shows limited compliance of nurses to guidelines for preventing ventilator-associated pneumonia in ICUs.
- Multiple barriers to implementing IPC guidelines include inadequate auditing, lack of IPC teams and insufficient training opportunities for nurses.

Nursing in Critical Care | Scoping review | 13 April 2024 | [Online link](#)

Detection of visually imperceptible blood contamination in the surgical area using luminol among different oral surgical procedures: an observational study

- Demonstrates occurrence of undetectable blood spills around the spittoon from during aerosol generating procedures (less than 30 minutes) and non-aerosol procedures (more than 30 minutes).
- Calls for mandatory use of PPE kits and face shields for dental surgeons and assistants.

Cureus | Original article | 8 February 2024 | [Online link](#)

Infection prevention and control programme priorities for sustainable health and environmental systems

- Argues for increased investment in IPC while addressing environmental harms that include health sector emissions, waste and ecosystem contamination.
- Proposes three main priorities for IPC systems— (i) evidence-based, (ii) sustainable and (iii) people-centred, along with effective governance and leadership, strong multi-stakeholder partnerships, and activation of the health community.

BMC Global and Public Health | Comment | 1 February 2024 | [Online link](#)

Identifying contact time required for secondary transmission of *Clostridioides difficile* infections by using real-time locating system

- Retrospective study investigates secondary transmission of *C. difficile* in a hospital with patients who had direct and indirect contact with an index case.
- Supports comprehensive preventive measures, including environmental decontamination, to prevent *C. difficile* infections rather than symptom-based contact isolation.

Emerging Infectious Diseases | Research | 4 April 2024 | [Online link](#)

Guidelines

Guidelines for the prevention of bloodstream infections and other infections associated with the use of intravascular catheters: part I: peripheral catheters

- Evidence-based approach on how to manage peripherally-inserted intravascular catheters – including their insertion, maintenance, access and removal – in adults, adolescents-children and neonates.
- Primary target audience includes doctors, nurses and IPC professionals, along with administrators, other professionals as well as patients.

WHO | Guideline | 12 May 2024 | [Online link](#)

Summary of WHO position papers on immunization

- Provides an overview of vaccine recommendations (primary and booster doses) in four summary tables for:
 - 1) routine immunization for all age groups,
 - 2) recommended routine immunizations for children,
 - 3) recommendations for interrupted or delayed routine immunization, and
 - 4) vaccination of health care workers.

WHO | Technical documents | 29 April 2024 | [Online links – table 1](#) | [table 2](#) | [table 3](#) | [table 4](#)

Water and sanitation interventions to prevent and control mosquito borne disease: focus on emergencies

- Describes mosquitoes of concerns in camps and urban settings and outlines practical information for implementing evidence-based, cost-effective WASH interventions to prevent mosquito-borne diseases with a focus on emergency settings.
- Targets WASH health practitioners, national and local public health authorities, humanitarian and community-based organizations.

WHO-UNICEF | Technical document | 10 April 2024 | [Online link](#)

Competencies for one health field epidemiology prioritization tool

- Prioritization tool for frontline training programs to guide ranking of knowledge, skills and competencies divided into 10 domains.
- Domain 6 covers One Health preparedness, implementation and evaluation of IPC, biosafety and biosecurity.

WHO | Manual | 8 May 2024 | [Online link](#)

Training / IEC resources

OpenWHO IPC training courses catalog

- Presents basic courses for all healthcare workers and advanced courses for IPC focal points currently available on IPC channel of OpenWHO.
- Interactive document enables users to directly access any specific training course.

WHO | Technical document | 23 April 2024 | [Online link](#)

Respiratory virus guidance snapshot

- Infographic that summarizes key strategies and information to help people reduce risks from viral respiratory illnesses.
- Includes five core and three additional prevention strategies.

CDC | Guidance summary graphic | 1 March 2024 | [Online link](#)

GLAAS 2024-2025 country survey

- Requests information on the delivery of drinking-water supply, sanitation services and status of hand hygiene activities with a focus on governance, monitoring, finance and human resources.
- Information modules outline how to participate in the 2024 Global Analysis and Assessment of Sanitation and drinking water (GLAAS) country survey.

WHO | Technical documents | 31 March 2024 | [Online link](#) | [Information module](#)

Antimicrobial resistance of microorganisms reported in healthcare-associated infections

- Overview of resistant microorganisms reported in healthcare-associated infections (HAIs) in Europe.
- Has separate infographics for HAIs in hospitals and HAIs as a threat to patient safety.

ECDC | Infographics | 6 May 2024 | [Online link](#) | [HAIs in hospitals](#) | [HAIs threat to patients](#)

Quotable quote

Implementing clean care and infection prevention and control recommendations is critical to saving lives and alleviating a great deal of avoidable suffering experienced by people around the world.

– Dr Bruce Aylward,
WHO's Assistant Director-General for UHC, Life Course

**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.