Information Resources in Infection Control

6th edition

Dr Nizam Damani
MBBS, MSc (Lond.), FRCPI, FRCPath, CIC, DipHIC

International Federation of Infection Control
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<th>Website</th>
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<tbody>
<tr>
<td>ACDP</td>
<td>Advisory Committee on Dangerous Pathogens, UK</td>
<td><a href="http://www.hse.gov.uk/aboutus/meetings/acdp">www.hse.gov.uk/aboutus/meetings/acdp</a></td>
</tr>
<tr>
<td>AMM</td>
<td>Association of Medical Microbiologists, UK</td>
<td><a href="http://www.amm.co.uk">www.amm.co.uk</a></td>
</tr>
<tr>
<td>APIC</td>
<td>Association for Professionals in Infection Control &amp; Epidemiology</td>
<td><a href="http://www.apic.org">www.apic.org</a></td>
</tr>
<tr>
<td>BMA</td>
<td>British Medical Association</td>
<td><a href="http://www.bma.org.uk">www.bma.org.uk</a></td>
</tr>
<tr>
<td>BSAC</td>
<td>British Society for Antimicrobial Chemotherapy</td>
<td><a href="http://www.bsac.org.uk">www.bsac.org.uk</a></td>
</tr>
<tr>
<td>CDC</td>
<td>Centres for Disease Control and Prevention, USA</td>
<td><a href="http://www.cdc.gov">http://www.cdc.gov</a></td>
</tr>
<tr>
<td>HPA</td>
<td>Health Protection Agency</td>
<td><a href="http://www.hpa.org.uk">www.hpa.org.uk</a></td>
</tr>
<tr>
<td>HSE</td>
<td>Health and Safety Executive, UK</td>
<td><a href="http://www.hse.gov.uk">www.hse.gov.uk</a></td>
</tr>
<tr>
<td>ICNA</td>
<td>Infection Control Nurses Association, UK (now IPS : Infection Prevention Society)</td>
<td><a href="http://www.ips.uk.net/">http://www.ips.uk.net/</a></td>
</tr>
<tr>
<td>IDSA</td>
<td>Infectious Diseases Society of America</td>
<td><a href="http://www.idsociety.org">http://www.idsociety.org</a></td>
</tr>
<tr>
<td>IFH</td>
<td>International Scientific Forum for Home Hygiene</td>
<td><a href="http://www.ifh-homehygiene.org">www.ifh-homehygiene.org</a></td>
</tr>
<tr>
<td>IFIC</td>
<td>International Federation of Infection Control</td>
<td><a href="http://www.theific.org">www.theific.org</a></td>
</tr>
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</table>
IHI  Institute of Health Improvement
   http://www.ihi.org
JCAHO Joint Commission on Accreditation of Healthcare Organization
   http://www.jointcommission.org/
JCR  Joint Commission Resources, USA
   http://www.jcrinc.com/
NDSC National Disease Surveillance Centre, Ireland
   www.ndsc.ie
NHSN National Healthcare Safety Network
   http://www.cdc.gov/ncidod/
NICE National Institute for Clinical Excellence, UK
   www.nice.org.uk
NIOSH National Institute for Occupational Safety & Health,
   http://www.cdc.gov/niosh/homepage.html
OSHA Occupational Safety and Health Administration
   www.osha.gov
PHAC Public Health Agency of Health Canada
   http://www.phac-aspc.gc.ca/dpg_e.html#infection
PHLS Public Health Laboratories Services, UK (now HPA)
   www.hpa.org.uk
SHEA Society for Healthcare Epidemiology of America
   http://www.shea-online.org
KEY PAPERS & PUBLICATIONS

ACCREDITATION, CONTROL ASSURANCE STANDARD and QUALITY IMPROVEMENT


- **SHEA Position Paper:** An approach to the evaluation of quality indicators of the outcome of care in hospitalized patients, with a focus on nosocomial infection indicators. *Infection Control and Hospital Epidemiology.* 1995; 16(5):308-316. Electronic access: [http://www.shea-online.org/publications/shea_position_papers.cfm](http://www.shea-online.org/publications/shea_position_papers.cfm)


**AIR TRAVEL**


AMBULANCE SERVICES


ANIMALS IN HEALTHCARE SETTINGS


ANTIBIOTIC STEWARDSHIP


• Guidelines for Developing an Institutional Program to Enhance Antimicrobial Stewardship. *Clinical Infectious Diseases* 2007; 44:159–77

**AUDIT TOOLS**


BLOOD BORNE VIRAL INFECTIONS


**BUILDING DESIGN, CONSTRUCTION & RENOVATION**


• Carter CD, Barr BA. Infection control Issues in construction and renovation. *Infection Control and Hospital Epidemiology* 1997; 18:587-596.


• **Society for Cardiovascular Angiography and Interventions** Guidelines: Infection Control Guidelines for the Cardiac Catheterization Laboratory: Society Guidelines Revisited, *Catheterization and Cardiovascular Interventions* 2006; 67:78–86.
CARE BUNDLE - INFECTION PREVENTION

USA: Institute of Health Improvements (www.ihi.org)


UK Dept of Health (www.clean-safe-care.nhs.uk)


• **High Impact Intervention No 5.** *Care bundle for ventilated patients (or tracheostomy where appropriate).* London, Dept of Health, 2007.


• **High Impact Intervention No 7.** *Care bundle to reduce the risk from Clostridium difficile.* London, Dept of Health, 2007.

**Clostridium difficile INFECTION**


• **APIC Guide:** Guide to the Elimination of *Clostridium difficile* in Healthcare Settings, APIC: Washington DC, 2008. ISBN 1 933013 37 0

• **USA Clostridium difficile Surveillance Working Group.** Recommendations for Surveillance of *Clostridium difficile* - Associated Disease. *Infection Control and Hospital Epidemiology* 2007; 28 (2):140-145.

• **UK HPA** Regional Microbiology Network Care Bundle: A good practice guide to control *Clostridium difficile*, 2007.

• **Health Protection Scotland.** Guidance on Prevention and Control of *Clostridium difficile* Associated Disease (CDAD) in Healthcare Settings in Scotland. October Glasgow: Health Protection Scotland, 2008.

• **SHEA/IDSA Practice Recommendation.** Strategies to Prevent *Clostridium difficile* Infections in Acute Care Hospitals. *Infection Control Hospital Epidemiology* 2008; 29:S81–S92.

• **SHEA Position Paper:** *Clostridium difficile* in long-term-care facilities for the elderly. *Infection Control Hospital Epidemiology.* 2002; 23:696-703.

• **UK Health Protection Agency & Department of Health.** *Clostridium difficile infection: How to deal with the problem.* London: DH Publication, 2009.


**COMMUNITY INFECTION CONTROL**


• **PHLS.** *Infection Control in the Community.* London: Public Health Laboratory Services, 2002.

• **NICE Guidelines.** Prevention of healthcare-associated infection in primary care and community care. *Journal of Hospital Infection* 2004 (supplement 2); 55; S1-S127.

• **Position Paper:** Infection prevention and control in the long-term-care facility. *Infection Control and Hospital Epidemiology.* 1997; 18(12):831-849.

• **SHEA Position Paper.** Urinary Tract Infections in Long-Term-Care facilities. *Infection Control and Hospital Epidemiology* 2001; 167:167-175.


• **IFH** Guidelines for prevention of infection and cross infection the domestic environment: focus on home hygiene issues in developing countries. Milano: Intramed Communications, 2002.

• **IFH** Recommendations for selection of suitable hygiene procedures for use in the domestic environment, 2002.

**COMPETENCIES TOOLS**


**COST OF HEALTHCARE ASSOCIATED INFECTIONS**

• **UK Office of Health Economics.** *Hospital acquired Infection.* London Office of Health Economics, 1997. ISSN 0473 8837

• Graves N. Economics and preventing hospital-acquired infection. *Emerging Infectious Diseases* 2004; 10(4); 561-566.

• **APIC.** Dispelling the Myths: The True Cost of Healthcare-Associated infections. Washington: Association for Professionals in Infection Control and Epidemiology (APIC), 2007. ISBN 1 9333013 33 8

• **PHLS:** *Socioeconomic burden of hospital acquired infection.* London: Public Health Laboratories Services, 2000.

• Stone PW, Hedblom C, Murphy D. The economic impact of infection control: Making the business cases or increased resources. *American Journal of Infection Control* 2005; 33:542-7.

**CREUTZFELDT-JAKOB DISEASE**


• NDSC. *Guidelines on minimizing the risk of Irish Health care setting.* 2004.


**CYSTIC FIBROSIS**

• Cystic Fibrosis Foundation. Infection Control recommendations for patients with cystic fibrosis: Microbiology, important pathogens, and infection control
practices to prevent patient-patients-transmission. *Infection Control Hospital Epidemiology* 2003;24:S6-S53.

**DEFINITIONS OF HEALTHCARE ASSOCIATED INFECTIONS**


**DENTISTRY**


**DISINFECTION & STERILIZATION**


• Rutala WA & Weber DJ. How to assess risk of disease transmission to patients when there is a failure to follow recommended disinfection and sterilization guidelines *Infection Control Hospital Epidemiology* 2007; 28(2):146-155.


**EMERGENCY & DISASTER PLANNING**


**ENDOSCOPES**


• **British Thoracic Society**. Guidance on diagnostic flexible bronchoscopy. *Thorax* 2001; 56 (Suppl.1): iL-2iL.

• **Gastroenterological Society of Australia.** Infection Control in Endoscopy, 2003.


**ENVIRONMENTAL ISSUES**


**FOOD SAFETY**


• **UK Dept. of Health.** Food handlers: *Fitness to work.* London: Department of Health, 1995


GASTROINTESTINAL INFECTIONS


HAND HYGIENE


- The effectiveness of hand hygiene procedures in reducing the risks of infections in home and community settings including handwashing and alcohol-based hand sanitizers. *American Journal of Infection Control* 2007: 35; S27-S64.

- **European Guidelines**. Recommendations for surgical hand disinfection - requirements, implementation and need for research. *Journal of Hospital Infection* 2002; 51:312-315.


- **HICPAC/CDC/SHEA/APIC Guidelines**. Healthcare Infection Control Practices Advisory Committee. Guideline for Hand


### HYDROTHERAPY, SPA & SWIMMING POOLS


- **WHO:** *WHO Guidelines for safe recreational water environments. Volume 2: Swimming pools and similar*

**IMMUNIZATION**


**IMMUNOCOMPROMISED & TRANSPLANT PATIENTS**


**INFECTION CONTROL GUIDELINES**


- British Columbia Centre for Disease Control. Guidelines for


**INFLUENZA PANDEMIC**


• **UK Royal College of Physicians:** Preparations for Pandemic Influenza Guidance for hospital medical specialties on management during a pandemic influenza outbreak. London: Royal College of Physicians, 2009.

• **CDC.** Interim Guidance for infection control for care of patient with confirmed or suspected swine influenza (H1N1) virus infection in a healthcare setting. Atlanta: CDC, 2009.

**INTERVENTION STUDIES**


**INTRAVASCULAR CATHETER**

• **HICPAC.** Guidelines for the prevention of intravascular catheter-related infections. *Infection Control Hospital Epidemiology* 2002; 23:759-769.

• **SHEA /IDSA Practice Recommendation:** Strategies to Prevent Central Line-Associated Bloodstream Infections in Acute Care Hospitals. *Infection Control and Hospital Epidemiology* 2008;29, Supplement 1 : S 22-S30.

• **IHI Infection Prevention Bundle:** Prevent Central Line Infections, 2007.

• **UK epic2:** Guidelines for preventing infections associated with the use of central venous access devices. *Journal of Hospital Infection* 2007; 65S: S33-S49.

### ISOLATION OF PATIENT


• **Hospital Infection Society** working party report. Review of hospital isolation and infection control related precautions, July 2001.


### LEGIONNAIRES’ DISEASE


**LICE AND SCABIES**

- Izri A and Chosidow O. Efficacy of Machine Laundering to eradicate head lice: Recommendations to decontaminate washable clothes, linens, and fomites. *Clinical Infectious Disease,* 2006. Electronic access:


**MENINGOCOCCAL INFECTION**


- **PHLS.** Guidelines for public health management of meningococcal disease in the UK. *Communicable Disease and Public Health.* Update August 2006.
METHICILLIN-RESISTANT STAPH AUREUS


- **BSAC Guidelines** for UK practice for the diagnosis and management of methicillin-resistant *Staphylococcus aureus* (MRSA) infections presenting in the community. *Journal of Antimicrobial Chemotherapy* 2008; 61; 976-994.

- **BSAC/HIS/ICNA working Party**. Guidelines for the Control and prevention of meticillin-resistant *Staphylococcus aureus* in healthcare facilities by the joint BSAC/HIS/ICNA working party on MRSA. *Journal of Hospital Infection* (supplement 1) 2006; 63: S1-S44.


- **SHEA /IDSA Practice Recommendation**: Strategies to prevent Transmission of Methicillin-Resistant *Staphylococcus aureus*
in Acute Care Hospitals. *Infection Control and Hospital Epidemiology* 2008;29, Supplement 1 : S 62-S80.


- **CIDS/CAMM Guidelines Committee**. The managements of infection and colonisation due to methicillin resistant *Staphylococcus aureus*: A Canadian Infectious Disease Society and Canadian Association of Medical Microbiology position paper. 2003.


- **Management of Outbreaks of Methicillin-Resistant *Staphylococcus aureus* Infection in the Neonatal Intensive Care Unit: A Consensus Statement. *Infection Control Hospital Epidemiology* 2006; 27:139-145.

• **PIDAC:** Provincial Infectious Diseases Advisory Committee. Best Practices for Infection Prevention and Control of Resistant Staphylococcus aureus and Enterococci In All Health Care Settings, March 2007.

• **SHEA Guidelines.** SHEA guidelines for preventing nosocomial transmission of multidrug-resistant strains of *Staphylococcus aureus* and *Enterococcus*. *Infection Control and Hospital Epidemiology* 2003; 24:362-386.


**MORTUARY & AUTOPSY (POST-MORTEM) ROOM**


MULTI-DRUG RESISTANT ORGANISMS


OPERATING THEATRE


OPHTHALMIC


ORGANIZATION & MANAGEMENT

- **APIC/SHEA**. Requirements for infrastructure and essential activities of infection control and epidemiology in hospitals: A consensus panel report. *Infection Control and Hospital Epidemiology*. 1998; 19; 114-124.


**PATHOLOGY & LABORATORIES**


**RENUAL DIALYSIS**


**REUSE OF MEDICAL DEVICES**


**SARS**


STAFF HEALTH


• **SHEA Guidelines.** Management of healthcare workers infected with hepatitis B virus, hepatitis C virus, human immunodeficiency virus or other blood-borne pathogens. *Infection Control and Hospital Epidemiology* 1997; 18:349-363.

• **UK Advisory Committee on Dangerous Pathogens.** *Infection risks to new and expectant mothers in the workplace: A guide to employers.* Suffolk: Health & Safety, 1997.


• **UK Department of Health.** Hepatitis B infected healthcare workers and antiviral therapy, Dept. of Health , 2007.

(Also refer to section on **Blood Borne Viral infections page 13**)

**STERILE SUPPLY DEPARTMENT**

• **Hospital Infection Society and Institute of Sterile Services Management.** *Quality standards and recommended practices.* 1998.

## SURGICAL SITE INFECTIONS


• **Hospital Infection Society.** Behaviours and rituals in the Operating Theatre. *Journal of Hospital Infection* 2002; 51:241-255.

• **IHI Infection Prevention:** Bundle Prevent Surgical Site Infections, 2007.

• **SHEA /IDSA Practice Recommendation:** Strategies to Prevent Surgical Site Infections in Acute Care Hospitals. *Infection Control and Hospital Epidemiology* 2008;29, Supplement 1 : S51-S61

**SURVEILLANCE AND OUTBREAKS**


• **APIC Guidelines:** Recommended practices for surveillance: Association for Professionals in Infection Control and Epidemiology (APIC), Inc. *American Journal of Infection Control* 2007; 35 (7); 427-440.

• **CDC/NHSN** surveillance definition of health care-associated infection and criteria for specific types of infections in the acute care setting. *American Journal of Infection Control* 2008;36;309-32.


**TUBERCULOSIS**


**URINARY TRACT INFECTION**


- **SHEA Position Paper.** Urinary Tract Infections in Long-Term-Care facilities. *Infection Control and Hospital Epidemiology* 2001; 167:167-175.


- **SHEA /IDSA** Practice Recommendation: Strategies to Prevent Catheter-Associated Urinary Tract Infections in Acute Care Hospitals. *Infection Control and Hospital Epidemiology* 2008; 29, Supplement 1 : S 41-S50

• epic2: Guidelines for preventing infections associated with the use of short-term urethral catheters Journal of Hospital Infection 2007; 65S : S28-S33.

UNIFORM & WORKWEAR


VANCOMYCIN RESISTANT ENTEROCOCCI

• **PHAC.** Preventing the Spread of Vancomycin-Resistant Enterococci (VRE) in Canada. Canada Communicable Disease Report 1997; 23S8.

• **CDC Guidelines:** Management of Multidrug-Resistant Organisms in Healthcare Settings, 2006.


• **SHEA Guidelines.** SHEA guidelines for preventing nosocomial transmission of multidrug-resistant strains of *Staphylococcus aureus* and *Enterococcus*. *Infection Control and Hospital Epidemiology* 2003; 24:362-386.

**VENTILATOR-ASSOCIATED PNEUMONIAS**


• **SHEA /IDSA** Practice Recommendation: Strategies to Prevent Ventilator-Associated Pneumonia in Acute Care Hospitals. *Infection Control and Hospital Epidemiology* 2008;29, Supplement 1 : S 31-S40.

• **BSAC Guidelines** for the management of hospital-acquired pneumonia in the UK: Report of the Working Party on Hospital-Acquired Pneumonia of the British Society for


- **IHI Infection Prevention Bundle:** Prevent Ventilator-Associated Pneumonia, 2007.


**VIRAL HAEMORRHAGIC FEVER**


- **PHAC.** Canadian Contingency Plan for Viral Hemorrhagic Fevers and Other Related Diseases. *Canada Communicable Disease Report* 1997; 23S1.


WASTE MANAGEMENT


ANTISEPTIC, DISINFECTION & STERILIZATION


**BIOTERRORISM**


COST OF HEALTHCARE ASSOCIATED INFECTIONS


DENTISTRY


**EMERGENCY & DISASTERS**


**HEALTHCARE FACILITIES & ENVIRONMENT**


**IMMUNIZATION**


**INFECTION CONTROL**


**INFECTION CONTROL: COMMUNITY**

• **APIC.** Friedman C and Petersen KH. *Infection Control in Ambulatory Care.* Boston: Jones & Bartlett Publishers, 2004. ISBN 0 7637 3190 0

• **APIC.** *Home Care Handbook of Infection Control.* Washington DC: Association for Professionals in Infection Control and Epidemiology, 2002. ISBN 1 933013 07 9


INFECTION CONTROL: HOSPITAL


• Inman WB. *Infection Control and Emerging Infectious Diseases.* PESI HealthCare, 2004. ISBN 1559579986


**INFECTION CONTROL: LIMITED RESOURCE SETTING**


**INFECTIOUS & COMMUNICABLE DISEASES**


**INTENSIVE CARE UNIT**

• Van Saene HFK, Silvestri L and De LACal MA (eds). Infection Control in the Intensive Care Unit (2nd edition). Topics in


**INTERNATIONAL TRAVEL**


**LABORATORY ACQUIRED INFECTION**


**PAEDIATRIC INFECTIOUS DISEASES**


SURGICAL SITE INFECTIONS


SURVEILLANCE & OUTBREAK CONTROL


Infection control software

SURVEILLANCE SOFTWARE

<table>
<thead>
<tr>
<th>Surveillance Software</th>
<th>Web addresses</th>
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<tr>
<td>Cereplex-SETNET</td>
<td><a href="http://www.cereplex.com/">http://www.cereplex.com/</a></td>
</tr>
<tr>
<td>EpiQuest</td>
<td><a href="http://www.epiquest.com/">http://www.epiquest.com/</a></td>
</tr>
<tr>
<td>AICE Millenium</td>
<td><a href="http://www.icpa.net/">http://www.icpa.net/</a></td>
</tr>
<tr>
<td>MedMined</td>
<td><a href="http://www.medmined.com/">http://www.medmined.com/</a></td>
</tr>
<tr>
<td>TheraDoc- Infection Control Assistant</td>
<td><a href="http://www.theradoc.com">http://www.theradoc.com</a></td>
</tr>
<tr>
<td>QC Pathfinder</td>
<td><a href="http://www.vecna.com">http://www.vecna.com</a></td>
</tr>
<tr>
<td>ICNet</td>
<td><a href="http://www.icent.org.uk">http://www.icent.org.uk</a></td>
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</tbody>
</table>

UK ASEPTIC PROJECT

The ASEPTIC (A Systems Evaluation Project for Infection Control) project was commissioned by the UK Health Protection Agency. The purpose was to make recommendations about the suitability for piloting of the computer-based infection control systems that were currently available. The project evaluated two local and seven commercially available systems:

- AICE Millennium and EpiQuest from the US
- eICAT and ICEnterprise from Australia
- ICNet and PathMan from Sysmed in the UK and.
- Hybase from Germany.

The findings of the UK Dept of Health implementation and evaluation of three Infection Control Software Systems (EpiQuset, ICE and ICNet) published by the Infection Control IT Implementation and Evaluation (ICIT/IAE) Project are published in August 2005 are available at:

**EPIGRAPICS**

APIC EpiGraphics was developed by a team of expert infection control. The templates help organize and manage data without all of the setup work of creating new worksheets. It helps analyse surveillance data, reports and graph figures and create presentation quality and make the statistical analysis easier. Available for the Association for Professionals in Infection Control and Epidemiology (APIC). http://www.apic.org/

**EPI INFO**

Epi Info is software programme that was developed by the U.S. Centres for Disease Control and Prevention to manage and analyze data collected during an epidemiologic investigation. Epi Info also calculates statistical tests useful in an outbreak situation. Available from the CDC web site: www.cdc.gov

**EPINET**

The Exposure Prevention Information Network (EPINet) system collects data about percutaneous injuries among health care workers. Run by the International Health Care Workers Safety Centre at the University of Virginia Health Sciences Centre, EPINet also standardises reporting of information pertaining to
such injuries as well as those related to contact with patient’s blood and body fluids. Hospitals can use the EPINet system to share and compare information and to identify successful injury-prevention measures.

**ICNet**

ICNet is the only Healthcare Associated Infection (HAI) case management and surveillance package that has been recommended as suitable for use by the UK Health Protection Agency and Department of Health and has also been designed, developed and is supported in the UK. For more information please visit: [http://www.icnetplc.com/](http://www.icnetplc.com/)
CERTIFICATION BOARD OF INFECTION CONTROL AND EPIDEMIOLOGY, (CIC), USA

The Certification Board of Infection Control and Epidemiology, Inc. (CBIC) is a voluntary, autonomous multidisciplinary board that provides direction for and administers the certification process for professionals in infection control and applied epidemiology.

Contact details: Certification Board of Infection Control and Epidemiology, Inc. P.O. Box 19554, Lenexa, KS 66285-9554, USA. Tel: 913-599-4174 e mail: cbic-info@goamp.com http://www.cbic.org/

DIPLOMA IN HOSPITAL INFECTION CONTROL (DipHIC), UK

The Diploma in Hospital Infection Control (DipHIC) was established by the Hospital Infection Society (HIS), the London School of Hygiene and Tropical Medicine (LSHTM) and the Public Health Laboratory Service (PHLS) in 1997. There are two avenues for obtaining the qualification: by Examination and by Accredited Prior Learning. Applicants for either path must first have a CV assessment by the Examination Committee.

Students must attend the Foundation and Hospital Hygiene Courses. The value of the DipHIC for UK and overseas candidates is that of a structured, supervised course supported by direct theory and practical contact teaching and an increasing use of
distance learning. It is assessed by projects, reflective portfolio and written and oral examination.

Further Information can be obtained from: Short Course Secretary ITD Teaching Office, London School of Hygiene & Tropical Medicine, Keppel Street, London WC1E 7HT England, UK. Tel: +44 (0)20 7927-2175 (direct) Fax +44 (0)20 7636-8739 e-mail: margit.wimmer@lshtm.ac.uk http://www.lshtm.ac.uk/

**DEGREE COURSES IN INFECTION CONTROL**

**ENGLAND, UK:** University of East Essex conducts MSc, Postgraduate Diploma and Postgraduate Certificate in Infection Control. The course aims to equip nurses in hospital and community settings with a repertoire of skills necessary to lead to innovative practice in infection control. For further information please visit: http://www.essex.ac.uk/hhs/pg/pgt/msc_ic.htm

**SCOTLAND, UK:** This is a modular course is offered by the UHI Millennium Institute (UHI) in collaboration with the Health Protection Scotland. It has been designed for online delivery with three exit levels: postgraduate certificate (four modules), postgraduate diploma (eight modules) and Masters degree (eight modules plus dissertation). In addition, Master in medical device decontamination (MScMDD) is also available. Full details of the courses and modules are available online at http://www.courses.uhi.ac.uk/index.php?page=4&course=25&language=en

**WALES, UK.** University of Swansea conducts MSc, Postgraduate Diploma and Postgraduate Certificate Advanced Clinical Practice with Infection Control option. For further information please visit: http://www.swan.ac.uk/pgcourses/HealthScience/MScPgDPgCAdvClinicalPracticeInfectControl/
Chile: Master Degree in Infection Control and Hospital Epidemiology from Valparaíso University, Chile. It is a modular program consisting of six modules and a thesis. The program is specially designed to train professionals in charge of infection control programs or hospital epidemiology from Latin American countries. For further information please visit www.uv.cl
## WEB SITE ADDRESSES

### EVIDENCE BASED PRACTICE

<table>
<thead>
<tr>
<th>Evidence-Based Practice in Infection Control</th>
<th><a href="http://www.epic.tvu.ac.uk">www.epic.tvu.ac.uk</a></th>
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<tr>
<td>National Institute for Clinical Evidence (NICE)</td>
<td><a href="http://www.nice.org.uk">http://www.nice.org.uk</a></td>
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<tr>
<td>National Resource for Infection Control</td>
<td><a href="http://www.nric.org.uk/">http://www.nric.org.uk/</a></td>
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<tr>
<td>Netting the Evidence</td>
<td><a href="http://www.shef.ac.uk/~scharr/ir/netting/">http://www.shef.ac.uk/~scharr/ir/netting/</a></td>
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<tr>
<td>Scottish Intercollegiate Guidelines Network (SIGN)</td>
<td><a href="http://www.sign.ac.uk/">http://www.sign.ac.uk/</a></td>
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<tr>
<td>The Cochrane Collaboration</td>
<td><a href="http://www.cochrane.org/">http://www.cochrane.org/</a></td>
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<tr>
<td>The Joanna Briggs Institute</td>
<td><a href="http://www.joannabriggs.edu.au/about/home.php">http://www.joannabriggs.edu.au/about/home.php</a></td>
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<td><a href="http://www.cdc.gov/handhygiene/">http://www.cdc.gov/handhygiene/</a></td>
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<tr>
<td>Hand Hygiene Resource Centre (HHRC)</td>
<td><a href="http://www.handhygiene.org/">http://www.handhygiene.org/</a></td>
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<tr>
<td>WHO Global Patient safety: Clean care is safer care</td>
<td><a href="http://www.who.int/patientsafety/">http://www.who.int/patientsafety/</a></td>
</tr>
</tbody>
</table>
JOURNALS & NEWSLETTERS

American Journal of Infection Control  http://journals.elsevierhealth.com/periodicals/ymic


British Journal of Infection Control  http://www.icna.co.uk/public/bjic/index.htm


Canadian Journal of Infection Control  http://www.chica.org/inside_cjic_journal.html

Communicable Disease Newsletter  http://www.searo.who.int/EN/Section10_12935.htm

Communicable Diseases and Public Health  www.hpa.org.uk/cdph/

Communicable Disease Report Weekly  www.hpa.org.uk/cdr/

Emerging Infectious Diseases  www.cdc.gov/ncidod/eid/index.htm
<table>
<thead>
<tr>
<th>Journal of Infection Control</th>
<th><a href="http://www.elsevierhealth.com/journals/jhin">www.elsevierhealth.com/journals/jhin</a></th>
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<tr>
<td>Morbidity &amp; Mortality Weekly Report (MMWR)</td>
<td><a href="http://www.cdc.gov/mmwr/">www.cdc.gov/mmwr/</a></td>
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<td>WHO weekly Epidemiology Record</td>
<td><a href="http://www.who.int/wer/">www.who.int/wer/</a></td>
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<td>American College of Occupational and Environmental Medicine</td>
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<td>American Dental Association</td>
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<td>American Society for Microbiology</td>
<td><a href="http://www.asm.org/">http://www.asm.org/</a></td>
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<td>Association for the Advancement of Medical Instrumentation</td>
<td><a href="http://www.aami.org/index.htm">http://www.aami.org/index.htm</a></td>
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<td>Association of Medical Microbiologists (AMM), UK</td>
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<tr>
<td>Association of Medical Microbiology and Infectious Disease, Canada</td>
<td><a href="http://www.ammi.ca/the_society/index.php">http://www.ammi.ca/the_society/index.php</a></td>
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<td>Association of PeriOperative Registered Nurses (AORN), USA</td>
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<tr>
<td>Association for Professionals in Infection Control and Epidemiology (APIC), USA</td>
<td><a href="http://www.apic.org">www.apic.org</a></td>
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<tr>
<td>Baltic Network Infection Control (BALTICCARE)</td>
<td><a href="http://www.balticcare.org/Links.htm">http://www.balticcare.org/Links.htm</a></td>
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<td>BC Center for Disease Control</td>
<td><a href="http://ww.bccdc.org/">http://ww.bccdc.org/</a></td>
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</table>
British Dental Association (BDA)  http://www.bda-dentistry.org.uk/.

British Travel Health Association  www.btha.org

Canadian Association for Clinical Microbiology & Infectious Diseases  http://www.cacmid.ca/

Centre for Disease Control & Prevention (CDC), USA  www.cdc.gov

Centre Nacional de Epidemiologia, Spain (CNE)  http://193.146.50.13/Vbes/bes.htm

Communicable Disease Surveillance Centre (CDSC) N Ireland  www.cdscni.org.uk

Communicable Disease Surveillance & Response (WHO)  www.who.csr/en/

Community and Hospital Infection Control Association (CHICA), Canada  www.chica.org

Danish Society of Hospital Hygiene and Sterile Supply  http://www.dkcs.dk/

Danish Society of Infection Control Nurses (DSICN)  http://www.hygiejnesygeplejerske.dk/


Dutch Working party on Infection Prevention (WIP)  www.wip.nl
European Centre for Disease Prevention and Control (ECDC)  
http://europa.eu.int/comm/health/ph_overview/strategy/ecdc/ecdc_en.htm

European Forum for Hospital Sterile Supply (EFHSS)  
www.efhss.com/

European Operating Room Nurses Association (EORNA)  
www.eorna.org

European Society of Clinical Microbiology and Infectious Diseases (ESCMID)  
www.escmid.org

Euro-Mediterranean Public Health Information System (EMPHIS)  
http://www.emphis.org/

European Society for Paediatric Infectious Diseases  
www.espid.org/

Finnish Society for Hospital Infection Control  
http://www.sshy.fi/

Food and Drug Administration (FDA), USA  
www.fda.gov

German Society for Hospital Hygiene  
http://www.dgkh.de/

Global Infectious Diseases and Epidemiology  
www.gideononline.com/

Health Canada Disease Prevention and Control Guidelines  
www.hc-sc.gc.ca/

Health Protection Agency (HPA), UK  
www.hpa.org.uk/
<table>
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<tr>
<th>Organization</th>
<th>Website</th>
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<tr>
<td>Hellenic Society for the Control of Nosocomial Infections and Healthcare Quality Assurance</td>
<td><a href="http://www.infection.gr/">http://www.infection.gr/</a></td>
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<td>Hong Kong Infection Control Nurses' Association</td>
<td><a href="http://www.hkicna.org/">http://www.hkicna.org/</a></td>
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<td>Hospital in Europe Link for Infection Control through Surveillance (HELICS)</td>
<td><a href="http://helics.univ-lyon1.fr/helicshome.htm">http://helics.univ-lyon1.fr/helicshome.htm</a></td>
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<td>Hospital infection Society of India</td>
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<td>Hospital Infection Society, UK</td>
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<td>Infection Control Association of South Africa (ICASA)</td>
<td><a href="http://www.infection.co.za/">http://www.infection.co.za/</a></td>
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<td>Infection Prevention Society (IPS) formally ICNA, UK</td>
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<tr>
<td>Infection Control Society Pakistan (ICSP)</td>
<td><a href="http://www.infectioncontrolssociety.org/">http://www.infectioncontrolssociety.org/</a></td>
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<tr>
<td>International Nosocomial Infection Control Consortium (INICC)</td>
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<tr>
<td>Infection Control Unit - Department of Health, Malta</td>
<td><a href="http://slh.gov.mt/ICUnit/">http://slh.gov.mt/ICUnit/</a></td>
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<td>Infectious Diseases Research Network (IDRN)</td>
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<tr>
<td>Infectious Diseases Society of America</td>
<td><a href="http://www.idsociety.org/index.htm">www.idsociety.org/index.htm</a></td>
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</table>
Infectious Diseases Societies Worldwide
www.idlinks.com/

Institute of Health improvement
www.ihi.org

International Federation of Infection Control (IFIC)
www.theific.org

International Federation for Sterile Supply
www.ifssonline.com

International Health Care Worker Safety Centre, USA
http://www.med.virginia.edu/medcnt
r/centers/epinet/

International Scientific Forum for Home Hygiene (IFH)
www.ifh-homehygiene.org

International Sharps Injury Prevention Society
http://www.isips.org/

International Society for Infectious Diseases
www.isid.org

International Society of Travel Medicine
www.istm.org

John Hopkins University-Infectious diseases
www.hopkins-id.edu/index_id_linls.html

La Asociacion Argentina de Enfermeros en Control de Infecciones (ADECI)
http://www.adeci.org.ar/
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<td>Medical Devices Agency (MDA), UK</td>
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<td>Medicine and Healthcare products Regulatory Agency (MHRA)</td>
<td><a href="http://www.mhra.gov.uk">www.mhra.gov.uk</a></td>
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<tr>
<td>Medline</td>
<td><a href="http://medline.cos.com/">http://medline.cos.com/</a></td>
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<tr>
<td>National Disease Surveillance Centre, Republic of Ireland</td>
<td><a href="http://www.ndsc.ie">www.ndsc.ie</a></td>
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<tr>
<td>National Division of Infection Control Nurses (NDICN)</td>
<td><a href="http://www.infectioncontrol.co.nz/files/home.asp">http://www.infectioncontrol.co.nz/files/home.asp</a></td>
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<tr>
<td>National electronic Library of Infection(NELI)</td>
<td><a href="http://www.neli.org.uk/">http://www.neli.org.uk/</a></td>
</tr>
<tr>
<td>National Foundation for Infectious Diseases, (USA)</td>
<td><a href="http://www.nfid.org/">www.nfid.org/</a></td>
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<td>National Institute for Clinical Excellence (NICE)</td>
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<tr>
<td>National Institute for Public Health Surveillance, France</td>
<td><a href="http://www.rnsp-sante.fr/">www.rnsp-sante.fr/</a></td>
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<tr>
<td>National Institutes of Health (NIH)</td>
<td><a href="http://www.nih.gov/">http://www.nih.gov/</a></td>
</tr>
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<td>National resource for infection (NRIC)</td>
<td><a href="http://www.nric.org.uk">http://www.nric.org.uk</a></td>
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</tbody>
</table>
NHS Estates (UK) www.nhsestates.gov.uk

Occupational Safety & Health Administration (OSHA), USA www.osha.gov

Pan American Health Organization www.paho.org

Public Health Agency of Canada http://www.phac-aspc.gc.ca/new_e.html

Robert Koch-Institut, Germany www.rki.de/

Scottish Centre for Infection and Environmental Health (SCIEH) www.show.scot.nhs.uk/scieh/

Sociedad Chilena de Control de Infecciones y Epidemiología Hospitalaria www.sociedad-iih.cl

Sociedad Chilena de Infectología www.sochinf.cl

Sociedad Peruana de Epidemiología www.epiredperu.net

Societa Italiana Multidisciplinare per la Prevenzione delle Infezioni nelle Organizzazioni Sanitarie (SIMPIOS) http://www.simpios.org/

Societe Francaise d’Hygiene Hospitaliere (SFHH) http://sfhh.univ-lyon1.fr/

Society for Healthcare Epidemiology of America (SHEA), USA www.shea-online.org

Statens Serum Institut (SSI), Denmark http://www.ssi.dk/en/
Surveillance of Nosocomial Infections in the Netherlands

Swedish Association for Sterilization and Infection Control (SASIC)

Turkish Society for Infectious Diseases and Clinical Microbiology Specialty

Vereinigung der Hygiene-Fachkräfte der Bundesrepublik Deutschland e. V. (VHD)

Vereniging voor Hygiene en Infectiepreventie in de Gezondheidszorg (VHIG)

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