Guidelines and Guidance

Journal articles
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American Journal of Infection Control

Major Articles
Developing a model to assess optimum infection control workforce in acute care settings
Pages 1142-1145
Tom Powell, Neil Wigglesworth, Nick Drey, Dinah Gould

A multifactorial action plan improves hand hygiene adherence and significantly reduces central line–associated bloodstream infections
Pages 1146-1151
Linda Johnson, Sarah Grueber, Cathy Schlotzhauer, Eileen Phillips, Paula Bullock, Jaime Basnett, Kristin Hahn-Cover

Method for investigating nursing behaviors related to isolation care
Pages 1152-1156
Elizabeth L. Beam, Shawn G. Gibbs, Angela L. Hewlett, Peter C. Iwen, Suzanne L. Nuss, Philip W. Smith

Attributable costs of central line–associated bloodstream infections in a pediatric hematology/oncology population
Pages 1157-1160
Matthew Z. Wilson, Colleen Rafferty, Deana Deeter, Melanie A. Comito, Christopher S. Hollenbeak

Colonization of stickers used for the identification of intravenous lines: Results from an in vitro study
Pages 1161-1164
María Jesús Pérez Granda, María Guembe, Raquel Cruces, Pablo Martín-Rabadán, Emilio Bouza

Application of quantitative microbial risk assessment for selection of microbial reduction targets for hard surface disinfectants
Pages 1165-1172
Michael O. Ryan, Charles N. Haas, Patrick L. Gurian, Charles P. Gerba, Brian M. Panzl, Joan B. Rose
Wheelchair cleaning and disinfection in Canadian health care facilities: “That's wheelie gross!”
Pages 1173-1177
Paula Gardner, Matthew P. Muller, Betty Prior, Ken So, Jane Tooze, Linda Eum, Oksana Kachur

Long-term efficacy of a self-disinfecting coating in an intensive care unit
Pages 1178-1181
Akrum H. Tamimi, Sheri Carlino, Charles P. Gerba

Usefulness of endoluminal catheter colonization surveillance cultures to reduce catheter-related bloodstream infections in hemodialysis
Pages 1182-1187
Patricia Brañas, Enrique Morales, Francisco Ríos, Francisca Sanz, Eduardo Gutiérrez, Nuria Quintanilla, M. Angeles Orellana, Mercedes Sánchez, Almudena Rodríguez-Aranda, Fernando Chaves

Comparison of human and electronic observation for the measurement of compliance with hand hygiene
Pages 1188-1192
Miguel Almeida O. Filho, Alexandre R. Marra, Thyago Pereira Magnus, Rodrigo Dias Rodrigues, Marcelo Prado, Tales Roberto de Souza Santini, Elivane da Silva Victor, Eder Issao Ishibe, Oscar Fernando Pavão dos Santos, Michael B. Edmond

Field evaluation of a new point-of-use faucet filter for preventing exposure to Legionella and other waterborne pathogens in health care facilities
Pages 1193-1196
Julianne L. Baron, Tammy Peters, Raymond Shafer, Brian MacMurray, Janet E. Stout

Prevalence and molecular characteristics of methicillin-resistant Staphylococcus aureus strains isolated in a multicenter study of nursing home residents in Croatia
Pages 1197-1202

Correlation between the growth of bacterial biofilm in flexible endoscopes and endoscope reprocessing methods
Pages 1203-1206
Wu Ren-Pei, Xi Hui-Jun, Qi Ke, Wang Dong, Nie Xing, Li Zhao-Shen

Surveillance of health care–associated infections in a tertiary hospital neonatal intensive care unit in Egypt: 1-year follow-up
Pages 1207-1211
Mohsen Abdel Hamid Gadallah, Aisha Mohamed Aboul Fotouh, Ihab Shehad Habil, Safaa Shafik Imam, Ghada Wassef

State of the Science Review
Prevalence of drug-resistant tuberculosis in Iran: Systematic review and meta-analysis
Pages 1212-1218
Mohammad Javad Nasiri, Hossein Dabiri, Davood Darban-Sarokhalil, Maryam Rezadehbashi, Samin Zamani

Brief Reports
Attitudes regarding the safety of health care provider attire
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Kanishka W. Garvin, Lauren Lipira, Moni Neradilek, Anna Fox, Fatima Ali, Paul S. Pottinger

Decreasing contamination of the anesthesia environment
Pages 1223-1225
Cantwell Clark, Andreas Taenzer, Kristin Charette, Michaela Whitty

Regional differences in vancomycin-resistant Enterococcus colonization rates in critically ill veterans
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Linda McKinley, Helene Moriarty, Thomas H. Short, Mary Hagle, Abigail Ranum, Susan Valentine, Nasia Safdar
Routine monitoring of adenovirus and norovirus within the health care environment
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Louise Pankhurst, Elaine Cloutman-Green, Melisa Canales, Nikki D'Arcy, John C. Hartley

Infection prevention and control practices in pediatric long-term care facilities
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Meghan T. Murray, Bevin Cohen, Natalie Neu, Gordon Hutcheon, Edwin Simpser, Elaine Larson, Lisa Saiman

Bloodstream infections and inpatient length of stay among pediatric cancer patients with febrile neutropenia in Mexico City
Pages 1235-1237
Martha Avilés-Robles, Rohit P. Ojha, Miriam González, Karla Ojeda-Diezbarroso, Elisa Dorantes-Acosta, Bradford E. Jackson, Kyle M. Johnson, Miguela A. Caniza

Clinical manifestations and prognostic factors of central line–associated candidemia
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Hung-Jen Tang, Wei-Lun Liu, Hsin-Lan Lin, Chih-Cheng Lai

Infant pertussis prevention information on Web sites of Michigan birthing hospitals
Pages 1241-1243
Sarah J. Clark, Elan N. Shoulders, Matthew M. Davis

Use of acid-fast bacilli staining to determine the need for airborne infection isolation precautions: A comparison of respiratory specimens
Pages 1244-1246
Christina Silkaitis, Laura Bardowski, Cara Coomer, Kathryn Trakas, Mary Alice Lavin, Susheel Reddy, Maureen K. Bolon, Teresa R. Zembower

Journal of Infection Prevention, November 2014; 15 (6)

Editorial

Antibiotic Guardianship
Heather Loveday
Journal of Infection Prevention November 2014 15: 211-212
Extract

Peer reviewed article

Risk of healthcare associated infections in HIV positive patients
Mohammed Mitha, E.Yoko Furuya, and Elaine Larson
Journal of Infection Prevention November 2014 15: 214-220
Abstract

Review of technologies available to improve hand hygiene compliance – are they fit for purpose?
Carolyn H Dawson and Jamie B Mackrill
Journal of Infection Prevention November 2014 15: 222-228
Abstract

Vaccine-preventable disease susceptibility in a British paediatric assessment unit
Luke Allen, Helen Vickerstaff, and Andrew Collinson
Abstract

The antibacterial effect of 2-octyl cyanoacrylate (Dermabond®) skin adhesive
Jeremy L Rushbrook, Grace White, Lizi Kidger, Philip Marsh, and Thomas FO Taggart
Journal of Infection Prevention November 2014 15: 236-239
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Infections and exposures: reported incidents associated with unsuccessful decontamination of reusable surgical instruments
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P.M. Southworth

Infection control hazards associated with the use of forced-air warming in operating theatres  Review Article
Pages 132-140
A.M. Wood, C. Moss, A. Keenan, M.R. Reed, D.J. Leaper

Original Articles

Costing the Australian National Hand Hygiene Initiative
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Survey of neonatal unit outbreaks in North London: identifying causes and risk factors
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K. Williams, S. Hopkins, D. Turbitt, C. Seng, B. Cookson, B.C. Patel, R.J. Manuel

What may be lurking in the hospital undergrowth? Inapparent cross-transmission of extended-spectrum beta-lactamase-producing Klebsiella pneumoniae
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Influence of high voltage atmospheric cold plasma process parameters and role of relative humidity on inactivation of Bacillus atrophaeus spores inside a sealed package
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Impact of contact precautions on falls, pressure ulcers and transmission of MRSA and VRE in hospitalized patients
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S. Gandra, C.M. Barysauskas, D.A. Mack, B. Barton, R. Finberg, R.T. Ellison

Infection Control and Hospital Epidemiology
Vol. 35, No. 11, November 2014

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Original Articles

External Validation of the National Healthcare Safety Network Risk Models for Surgical Site Infections in Total Hip and Knee Replacements
Laura W. Lewallen, MD; Hilal Maradit Kremers, MD; Brian D. Lahr, MS; Tad M. Mabry, MD; James M. Steckelberg, MD; Daniel J. Berry, MD; Arlen D. Hanssen, MD; Elie F. Berbari, MD; Douglas R. Osmon, MD
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1323-1329.

Matching Bacteriological and Medico-Administrative Databases Is Efficient for a Computer-Enhanced Surveillance of Surgical Site Infections: Retrospective Analysis of 4,400 Surgical Procedures in a French University Hospital
Brice Leclère, MD, MSc; Camille Lasserre, PharmD; Céline Bourigault, PharmD, MSc; Marie-Emmanuelle Juvin, PharmD; Marie-Pierre Chaillet, MD; Nicolas Mauduit, MD; Jocelyne Caillon, PharmD, PhD; Matthieu Hanf, PhD; Didier Lepelletier, MD, PhD; SSI Study Group
Measurement of Patient Hand Hygiene in Multiorgan Transplant Units Using a Novel Technology: An Observational Study
Jocelyn A. Srigley, MD, MSc; Colin D. Furness, PhD, MPH; Michael Gardam, MD, MSc
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1336-1341.

Effectiveness of a Dental Care Intervention in the Prevention of Lower Respiratory Tract Nosocomial Infections among Intensive Care Patients: A Randomized Clinical Trial
Wanessa T. Bellissimo-Rodrigues, DDS, PhD; Mayra G. Menegueti, RN, MS; Gilberto G. Gaspar, MD, PhD; Edson A. Nicolini, MD; Maria Auxiliadora-Martins, MD, PhD; Anibal Basile-Filho, MD, PhD; Roberto Martinez, MD, PhD; Fernando Bellissimo-Rodrigues, MD, PhD
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1342-1348.

Evaluating a New Paradigm for Comparing Surface Disinfection in Clinical Practice
Philip C. Carling, MD; Jennifer Perkins, BA, MBA; JoAnn Ferguson, RN, BAN; Anita Thomasser, BS
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1349-1355.

A Pseudo-Outbreak due to Acinetobacter Species (GIM-1) Contamination of the Pneumatic Transport System of a Large University Hospital
Mathias Herrmann, MD; Sven Jungmann, MD, MPH; Alexander Halfmann, PhD; Alik Dawson, MD; Martin Kaase, MD; Sören Gatermann, MD; Lutz von Müller, MD; Barbara C. Gärtner, MD
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1364-1372.

Implementation of an Enhanced Safety-Engineered Sharp Device Oversight and Bloodborne Pathogen Protection Program at a Large Academic Medical Center
Thomas R. Talbot, MD, MPH; Deede Wang, MS, MBA, PMP; Melanie Swift, MD; Paul St. Jacques, MD; Susan Johnson, MS, MT(ASCP), CSP; Vicki Brinsko, RN; Valerie Thayer, RN; Teresa Dail, RN; Nancye Feistritzer, DNP, RN; Shea Polancich, PhD, RN
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1383-1390.

Central Line–Associated Bloodstream Infections in Neonates with Gastrointestinal Conditions: Developing a Candidate Definition for Mucosal Barrier Injury Bloodstream Infections
Susan E. Coffin, MD, MPH; Sarah B. Klieger, MPH; Christopher Duggan, MD, MPH; W. Charles Huskins, MD, MSC; Aaron M. Milstone, MD, MHS; Gail Potter-Bynoe, BS, CIC; Bram Raphael, MD; Thomas J. Sandora, MD, MPH; Xiaoyan Song, MD, PhD; Danielle M. Zerr, MD, MPH; Grace M. Lee, MD, MPH; Pediatric Prevention EpiCenter Consortium
Attributable Inpatient Costs of Recurrent Clostridium difficile Infections
Erik R. Dubberke, MD, MSPH; Eric Schaefer, MS; Kimberly A. Reske, MPH; Marya Zilberberg, MD, MPH; Christopher S. Hollenbeak, PhD; Margaret A. Olsen, PhD, MPH
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1400-1407.

Concise Communications
A Retrospective Study of the Accuracy of Surgical Care Improvement Project Metrics for Documenting Normothermia
John M. Boyce, MD; Linda Sullivan, RN; Douglas Vaughn, MD; Jessica Nuzzo, MPH; Kimberly A. Davis, MD, MBA
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1408-1410.

A Randomized Crossover Trial to Decrease Bacterial Contamination on Hospital Scrubs
Mallory A. Boutin, MPH; Kerri A. Thom, MD, MS; Min Zhan, PhD; J. Kristie Johnson, PhD, D(ABMM)
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1411-1413.

Evaluation of a Sporicidal Peracetic Acid/Hydrogen Peroxide–Based Daily Disinfectant Cleaner
Abhishek Deshpande, MD, PhD; Thriveen S. C. Mana, MBA; Jennifer L. Cadnum, BS; Annette C. Jencson, BS; Brett Sitzlar, MS; Dennis Fertelli; Kelly Hurless, BS; Sirisha Kundrapu, MD, MS; Venkata C. K. Sunkesula, MD, MS; Curtis J. Donskey, MD
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1414-1416.

Differences in Hospital-Associated Multidrug-Resistant Organisms and Clostridium difficile Rates Using 2-Day versus 3-Day Definitions
Adrijana Gombosev, MS; Salah E. Fouad, MD, MS, CIC; Eric Cui, BS; Chenghua Cao, MPH; Leah Terpstra, BA; Taliser R. Avery, MS; Diane Kim, BS; Hildy Meyers, MD, MPH; Michele Cheung, MD, MPH; Susan S. Huang, MD, MPH
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1417-1420.

Electronic Solutions to Enhance Tracking and Compliance with Mandatory Influenza Vaccination for All Hospital Staff
Kathleen A. Quan, RN, MSN, CIC, CPHQ; Sarah M. Cousins, BS; Denise A. Hizon, BS; Kristie K. Heck, BS; Pamela Samuelson, RN, BSN; Froylan Garcia Jr, BA, BS; Susan S. Huang, MD, MPH
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1421-1424.

Research Briefs
Surgical Site Infections and Compliance with Perioperative Antimicrobial Prophylaxis in Greek Children
Anastasia Dimopoulou, MD; Zoi Papanikolaou, MD; Georgia Kourlab, PhD; Ioannis Kopsidas, MD; Susan Coffin, MD, MPH; Theoklis Zaoutis, MD, MSCE
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1425-1427.

Prolonged Hospital Stay, an Adverse Effect of Strict National Policy for Controlling the Spread of Highly Resistant Microorganisms
Gabriel Birgand, PharmD, PhD; Michael Schwarzinger, MD, PhD; Anne Perozziello, MSc; Isabelle Lolom, RT; Camille Pelat, PhD; Laurence Armand-Lefevre, PharmD, PhD; Jean-Claude Buzzi, MD; Antoine Andreomont, MD, PhD; Yazdan Yazdanpanah, MD, PhD; Jean-Christophe Lucet, MD, PhD
Infection Control and Hospital Epidemiology Vol. 35, No. 11: 1391-1399.
Risk of Human Immunodeficiency Virus and Hepatitis C Virus Infection Related to Endocavitary Ultrasound Probe Exposure in France
Thomas Bénet, MD, MPH; Jacques Ritter, MD; Philippe Vanhems, MD, PhD

Other Journal Articles

New Delhi metallo-β-lactamase-producing carbapenem-resistant Escherichia coli associated with exposure to duodenoscopes.

Effects of decontamination of the oropharynx and intestinal tract on antibiotic resistance in ICUs: a randomized clinical trial.

Infection prevention in the emergency department.
Liang SY, Theodoro DL, Schuur JD, Marschall J.

Association of Clostridium difficile Infections with Acid Suppression Medications in Children
Cade M. Nylund, Matilda Eide, Gregory H. Gorman

Oral, Capsulized, Frozen Fecal Microbiota Transplantation for Relapsing Clostridium difficile Infection
Ilan Youngster, MD, MMSc, George H. Russell, MD, MSc, Christina Pindar, BA, et al.
JAMA. 2014;312(17):1772

Clostridium difficile increases the risk for venous thromboembolism
Galinos Barmparas, Nicole Fierro, Alexander W. Lamb, Debora Lee, Brandon Nguyen, Daniel H. Tran, Rex Chung, Eric J. Ley

An integrated approach to control a prolonged outbreak of multidrug-resistant Pseudomonas aeruginosa in an intensive care unit
Knoester M, de Boer MG, Maarleveld JJ, Claas EC, Bernard AT, de Jonge E, van Dissel JT, Veldkamp KE.

Hospital-wide infection control practice and Meticillin-resistant Staphylococcus aureus (MRSA) in the intensive care unit (ICU): an observational study
Thompson DS, Workman R.
Free PMC Article
Evidence Updates

From NICE Medicines Awareness Weekly:

**Underdiagnosis of Clostridium difficile across Europe: the European, multicentre, prospective, biannual, point-prevalence study of Clostridium difficile infection in hospitalised patients with diarrhoea (EUCLID)**
The Lancet Infectious Diseases
Gastrointestinal disorders | Infection and infectious diseases

Questionnaire-based study (482 hospitals, 20 European countries) found wide variety of testing strategies for C difficile infection (CDI). Absence of clinical suspicion and suboptimum laboratory diagnostic methods mean ~40,000 inpatients with CDI potentially undiagnosed each year
Read UKMi comment

**Antimicrobial prescribing: resources for professional development and practice**
Public Health England
Infection and infectious diseases

These resources can be used by pharmacists and healthcare professionals for continuing professional development, and as sources of information and reference material about antibiotic prescribing in both primary and secondary care.

**European Antibiotic Awareness Day: resources toolkit for healthcare professionals in England**
Public Health England
Infection and infectious diseases

This guidance is to help the NHS, local authorities and others to support European Antibiotic Awareness Day and the Antibiotic Guardian campaign, to encourage responsible use of antibiotics.

Public Health England Publications

14 November 2014 — Collection
**Ebola virus disease: clinical management and guidance**
Guidance, resources and information for professionals about Ebola virus disease, a severe viral haemorrhagic fever (VHF).

18 November 2014 — Press release
**Entrenched misconceptions about antibiotics revealed in new survey**
New research from PHE for European Antibiotic Awareness Day shows widespread public misconceptions about antibiotic use.

Updated 14 November 2014
**Suspected and laboratory-confirmed reported norovirus outbreaks in hospitals: outbreaks occurring in weeks 40 to 44, 2014**

Updated 5 November 2014
**Table 2: C. difficile infection counts by NHS acute trust and month (from September 2013 to September 2014)**

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