Guidelines and Guidance

No new guidelines this month.

Journal articles
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Commentary
Nebraska Biocontainment Unit patient discharge and environmental decontamination after Ebola care
Pages 203-205

Major Articles
National Healthcare Safety Network report, data summary for 2013, Device-associated Module
Pages 206-221

Infection prevention and mass vaccination training for U.S. point of dispensing staff and volunteers: A national study
Pages 222-227
Terri Rebmann, Travis M. Loux, Thomas K. Zink, Zachary Swick, Mary Wakefield

Employee influenza vaccination in a large cancer center with high baseline compliance rates: Comparison of carrot versus stick approaches
Pages 228-233
Sara Podczervinski, Zach Stednick, Lois Helbert, et al.

Geospatial patterns in influenza vaccination: Evidence from uninsured and publicly insured children in North Carolina
Pages 234-240
Justin G. Trogdon, Thomas Ahn
Understanding the current state of infection prevention to prevent Clostridium difficile infection: A human factors and systems engineering approach
Pages 241-247
Eric Yanke, Caroline Zellmer, Sarah Van Hoof, Helene Moriarty, Pascale Carayon, Nasia Safdar

Predictors of asymptomatic Clostridium difficile colonization on hospital admission
Pages 248-253
Ling Yuan Kong, Nandini Dendukuri, Ian Schiller, et al.

Introducing the No Preventable Harms campaign: Creating the safest health care system in the world, starting with catheter-associated urinary tract infection prevention
Pages 254-259
Sanjay Saint, Karen E. Fowler, Kelley Sermak, et al.

Safety and efficacy of a novel silver-impregnated urinary catheter system for preventing catheter-associated bacteriuria: A pilot randomized clinical trial
Pages 260-265

An outbreak of Burkholderia cepacia complex pseudobacteremia associated with intrinsically contaminated commercial 0.5% chlorhexidine solution
Pages 266-268
Suhui Ko, Hye-sun An, Ji Hwan Bang, Sang-Won Park

Systematic qualitative literature review of health care workers’ compliance with hand hygiene guidelines
Pages 269-274
Maura P. Smiddy, Rhona O’Connell, Sile A. Creedon

Successful reduction in central line-associated bloodstream infections in a Chinese neonatal intensive care unit
Pages 275-279
Qi Zhou, Shoo K. Lee, Xiao-jing Hu, Si-yuan Jiang, Chao Chen, Chuan-qing Wang, Yun Cao

Brief Reports
Effect of 2013 National Healthcare Safety Network definition changes on central line bloodstream infection rates: Audit results from the New York State Department of Health
Pages 280-282
Peggy Ann Hazamy, Valerie B. Haley, Boldtsetseg Tserenpuntsag, et al.

Assessment of an innovative antimicrobial surface disinfectant in the operating room environment using adenosine triphosphate bioluminescence assay
Pages 283-285
Brian D. Lewis, Maureen Spencer, Peter J. Rossi, et al.

Use of portable electronic devices in a hospital setting and their potential for bacterial colonization
Pages 286-288
Amber Khan, Amitha Rao, Carlos Reyes-Sacin, et al.

Keyboard cleanliness: A controlled study of the residual effect of chlorhexidine gluconate
Pages 289-291
Rhiannon Jones, Anna Hutton, Maryanne Mariyaselvam, et al.

A randomized, double-blind comparison of the effectiveness of environmental cleaning between infection control professionals and environmental service workers
Pages 292-294
Hong Xu, Hui Jin, Lan Zhao, et al.
Impact of the first hand sanitizing relay world record on compliance with hand hygiene in a hospital
Pages 295-297
Wing Hong Seto, Benjamin J. Cowling, Christina W.Y. Cheung, et al.

Knowledge, beliefs, and confidence regarding infections and antimicrobial stewardship: A survey of Veterans Affairs providers who care for older adults
Pages 298-300

Seek and you shall find: Prevalence of Clostridium difficile in Wuhan, China
Pages 301-302
Jodi Galaydick, Yaqing Xu, Lisa Sun, et al.

Oral hygiene protocols in intensive care units in a large Brazilian city
Pages 303-304
Maria Elisa de Souza e Silva, Vera Lúcia Silva Resende, Mauro Henrique Nogueira Guimarães Abreu, et al.

Fluid dispersal from safety cannulas: An in vitro comparative test
Pages 305-307
Victor D. Rosenthal, Gavin Hughes

Journal of Hospital Infection
Volume 89, Issue 3, Pages 141-220, March 2015

Reviews
Systematic review of the effectiveness of strategies to encourage patients to remind healthcare professionals about their hand hygiene
Pages 141-162
R. Davis, A. Parand, A. Pinto, S. Buetow

Norovirus introduction routes into nursing homes and risk factors for spread: a systematic review and meta-analysis of observational studies
Pages 163-178
M. Petrignani, J. van Beek, G. Borsboom, J.H. Richardus, M. Koopmans

Original Articles
Large hospital outbreak of KPC-2-producing Klebsiella pneumoniae: investigating mortality and the impact of screening for KPC-2 with polymerase chain reaction
Pages 179-185

Molecular analysis and susceptibility pattern of meticillin-resistant Staphylococcus aureus strains in emergency department patients and related risk factors in Iran
Pages 186-191
M. Rezaei, R. Moniri, S.G.A. Mousavi

Pilot study to detect airborne Mycobacterium tuberculosis exposure in a South African public healthcare facility outpatient clinic
Pages 192-196

Universal precautions in Central Asia: the need for multiple strategies in this window of opportunity
Pages 197-201

Sociocognitive predictors of the intention of healthcare workers to receive the influenza vaccine in Belgian, Dutch and German hospital settings
Association between students' personality traits and hand hygiene compliance during objective standardized clinical examinations
Pages 210-214
K. Schüttpelz-Brauns, U. Obertacke, J. Kaden, C.I. Hagl

Short Reports
Comparison of different hand-drying methods: the potential for airborne microbe dispersal and contamination
Pages 215-217
E.L. Best, K. Redway

Limited retention of micro-organisms using commercialized needle filters
Pages 218-220
W. Elbaz, G. McCarthy, T. Mawhinney, C.E. Goldsmith, J.E. Moore

Journal of Hospital Infection
Volume 89, Issue 2, Pages 77-140, February 2015

Reviews
Working practices and success of infection prevention and control teams: a scoping study
Pages 77-81
R. Hale, T. Powell, N.S. Drey, D.J. Gould

Risk factors for periprosthetic joint infection after total joint arthroplasty: a systematic review and meta-analysis
Pages 82-89
Y. Zhu, F. Zhang, W. Chen, S. Liu, Q. Zhang, Y. Zhang

Surveillance of prosthetic joint infections: international overview and new insights for hospital databases
Pages 90-98
L. Grammatico-Guillon, E. Rusch, P. Astagneau

Original Articles
Cost-effectiveness of interferon-gamma release assay for systematic tuberculosis screening of healthcare workers in low-incidence countries
Pages 99-108
A. Kowada, J. Takasaki, N. Kobayashi

Effect of cleaning and disinfection of toys on infectious diseases and micro-organisms in daycare nurseries
Pages 109-115
T. Ibfelt, E.H. Engelund, A.C. Schultz, L.P. Andersen

Achromobacter bacteraemia outbreak in a paediatric onco-haematology department related to strain with high surviving ability in contaminated disinfectant atomizers
Pages 116-122
E. Hugon, H. Marchandin, M. Poirée, T. Fosse, N. Sirvent

Lessons from an outbreak of metallo-β-lactamase-producing Klebsiella oxytoca in an intensive care unit: the importance of time at risk and combination therapy
Pages 123-131
S. Vergara-López, M.C. Domínguez, M.C. Conejo, Á. Pascual, J. Rodríguez-Baño

Short Report
Epidemiology of meticillin-resistant Staphylococcus aureus bloodstream infections in Alberta, Canada
Pages 132-135
G. Taylor, K. Bush, J. Leal, E. Henderson, L. Chui, M. Louie

Infection Control and Hospital Epidemiology
Volume 36 / Issue 03, March 2015, pp 241 - 368
Please note that articles from this journal can only be sourced from the British Library, at a cost of £8 per article.

Original Articles

Clinical Predictors for Laboratory-Confirmed Influenza Infections: Exploring Case Definitions for Influenza-Like Illness
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 241 - 248

Comparison of Immune Response to the Influenza Vaccine in Obese and Nonobese Healthcare Workers
Michael A. Sweet, Jonathan A. McCullers, Paul R. Lasala, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 249 - 253

Combining High-Resolution Contact Data with Virological Data to Investigate Influenza Transmission in a Tertiary Care Hospital
Nicolas Voirin, Cécile Payet, Alain Barrat, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 254 - 260

Implementation of Antimicrobial Stewardship Policies in U.S. Hospitals: Findings from a National Survey
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 261 - 264

Is Procalcitonin-Guided Antimicrobial Use Cost-Effective in Adult Patients with Suspected Bacterial Infection and Sepsis?
Michelle Harrison, Curtis D. Collins
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 265 - 272

Clostridium difficile Recurrence Is a Strong Predictor of 30-Day Rehospitalization Among Patients in Intensive Care
Marya D. Zilberberg, Andrew F. Shorr, Scott T. Micek, Marin H. Kollef
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 273 - 279

Clostridium difficile Infection (CDI) Severity and Outcome among Patients Infected with the NAP1/BI/027 Strain in a Non-Epidemic Setting
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 280 - 286

One-Week versus 2-Day Ventilator Circuit Change in Neonates with Prolonged Ventilation: Cost-Effectiveness and Impact on Ventilator-Associated Pneumonia
Shih-Ming Chu, Mei-Chin Yang, Hsiu-Feng Hsiao, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 287 - 293

Comparison of a Silver-Coated Needleless Connector and a Standard Needleless Connector for the Prevention of Central Line-Associated Bloodstream Infections
Jesse T. Jacob, Sheri Chernetsky Tejedor, Mary Dent Reyes, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 294 - 301

Factors Influencing Field Testing of Alcohol-Based Hand Rubs
Raphaële Girard, Emmanuelle Carre, Valérie Mermet, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 302 - 310

**Impact of Electronic Faucets and Water Quality on the Occurrence of Pseudomonas aeruginosa in Water: A Multi-Hospital Study**
Dominique Charron, Emilie Bédard, Cindy Lalancette, Céline Laferrière, Michèle Prévost
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 311 - 319

**In-Hospital Transfer Is a Risk Factor for Invasive Filamentous Fungal Infection among Hospitalized Patients with Hematological Malignancies: A Matched Case-Control Study**
Angèle Gayet-Ageron, Anne Iten, Christian van Delden, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 320 - 328

**Stratification of Surgical Site Infection by Operative Factors and Comparison of Infection Rates after Hernia Repair**
Margaret A. Olsen, Katelin B. Nickel, Anna E. Wallace, Daniel Mines, Victoria J. Fraser, David K. Warren
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 329 - 335

**Review Article**

**Protecting the Frontline: Designing an Infection Prevention Platform for Preventing Emerging Respiratory Viral Illnesses in Healthcare Personnel**
Westyn Branch-Elliman, Connie Savor Price, Allison McGeer, Trish M. Perl
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 336 - 345

**Concise Communications**

**Impact of Changes in the NHSN Catheter-Associated Urinary Tract Infection (CAUTI) Surveillance criteria on the Frequency and Epidemiology of CAUTI in Intensive Care Units (ICUs)**
Anupama Neelakanta, Sarit Sharma, Vishnu Priya Kesani, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 346 - 349

**State Law Mandates for Reporting of Healthcare-Associated Clostridium difficile Infections in Hospitals**
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 350 - 352

**An Evaluation of Surgical Site Infection Surveillance Methods for Colon Surgery and Hysterectomy in Colorado Hospitals**
Sara M. Reese, Bryan C. Knepper, Connie S. Price, Heather L. Young
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 353 - 355

**Research Briefs**

**Antibiotic Susceptibility of Urinary Isolates in Nursing Home Residents Consuming Cranberry Capsules Versus Placebo**
Gregory R. Madden, Stephanie M. Argraves, Peter H. Van Ness, Manisha Juthani-Mehta
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 356 - 357

**Reduction in Acute Gastroenteritis among Military Trainees: Secondary Effects of a Hygiene-based Cluster-Randomized Trial for Skin and Soft Tissue Infection Prevention**
Michael J. D’Onofrio, Carey D. Schlett, Eugene V. Millar, et al.
Infection Control & Hospital Epidemiology, Volume 36, Issue 03, March 2015, pp 358 - 360

**Other Journal Articles**

**Washing uniforms at home: adherence to hospital policy.**
Riley K., Laird K., Williams J.
Nurs Stand. 2015 Feb 18;29(25):37-43.
Twenty Percent of Patients May Remain Colonized With Methicillin-resistant Staphylococcus aureus Despite a Decolonization Protocol in Patients Undergoing Elective Total Joint Arthroplasty.

Multidrug-resistant organisms within the dialysis population: a potentially preventable perfect storm.

Vancomycin-resistant enterococci colonization among dialysis patients: a meta-analysis of prevalence, risk factors, and significance.

Epidemiology and clinical management of Legionnaires' disease.

Norovirus Genotypes in Hospital Settings - Differences between Nosocomial and Community-Acquired Infections.

The impact of hospital-onset Clostridium difficile infection on outcomes of hospitalized patients with sepsis.

Development and validation of a recurrent Clostridium difficile risk-prediction model.

Efficacy of a once-a-week screening programme to control extended-spectrum beta-lactamase-producing bacteria in a neonatal intensive care unit.

Patient-level interventions to prevent the acquisition of resistant gram-negative bacteria in critically ill patients: a systematic review.

α-Hemolysin activity of methicillin-susceptible Staphylococcus aureus predicts ventilator-associated pneumonia.

Colonization With Toxinogenic C. difficile Upon Hospital Admission, and Risk of Infection: A Systematic Review and Meta-Analysis
Evidence Updates

**Preoperative bathing or showering with skin antiseptics to prevent surgical site infection.**
Webster J, Osborne S.
Cochrane Database Syst Rev. 2015 Feb 20;2:CD004985. [Epub ahead of print]

**Hospital Ward Antibiotic Prescribing and the Risks of Clostridium difficile Infection**
JAMA Internal Medicine
Infection and infectious diseases
This Canadian single-centre retrospective cohort study found that ward-level antibiotic prescribing was the main risk factor for Clostridium difficile infection, with each 10% increase in days of therapy associated with a 1.34-fold increase in infection risk.

**Continuous Proton Pump Inhibitor Therapy and the Associated Risk of Recurrent Clostridium difficile Infection**
JAMA Internal Medicine
Gastrointestinal disorders
This Canadian based retrospective cohort study (n=754) showed that after adjustment for other independent predictors of recurrence, patients with continuous PPI use remained at elevated risk of clostridium difficile infection recurrence.

Department of Health publications

**2015/16 clostridium difficile infection objectives**
NHS England has published clostridium difficile infection (CDI) objectives for acute trusts and CCGs for 2015/16.

Eurosurveillance

A pilot validation in 10 European Union Member States of a point prevalence survey of healthcare-associated infections and antimicrobial use in acute hospitals in Europe, 2011
http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=21045

Post-discharge surveillance (PDS) for surgical site infections: a good method is more important than a long duration
http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=21042

News

“Meticulous” cleaning of duodenoscopes may not eliminate infection risk, US watchdog warns
Michael McCarthy
BMJ 2015;350:h997
http://www.bmj.com/content/350/bmj.h997?etoc=

News from the IPS:

**27 Feb 2015 IPS & RCN joint Commissioning Briefing Paper press release**
IPS and the Royal College of Nursing (RCN) have today published a joint paper highlighting concerns over the impact of fragmentation with infection prevention and control arrangements within the health service in England.

**13 February 2015 Infection Prevention 2015 Delegate Registration Now Open**
To view the programme / submit an abstract / register visit the website here.

**06 February 2015 Implementation Learning Laboratories - Spoke Events Take Place February - March 2015**
12 Dates, 12 Locations around the UK and Ireland. Find out more here.
Conferences

09 June 2015 **IPS South West Branch Conference**
Rougemont Hotel, Exeter

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