Guidelines and Guidance

No new guidelines this month.

Journal articles
Please note that, in order to comply with copyright legislation, we are only able to source a maximum of 2 articles from any one issue of a particular journal on your behalf.

American Journal of Infection Control

Major Articles

**Influenza vaccination rates and beliefs about vaccination among nursing home employees**  
Original Research Article  
**Pages 100-106**  
Jill D. Daugherty, Sarah C. Blake, Jessica M. Grosholz, Saad B. Omer, LuMarie Polivka-West, David H. Howard

**An observational study of frequency of provider hand contacts in child care facilities in North Carolina and South Carolina**  
Original Research Article  
**Pages 107-111**  
Angela Fraser, Kelly Wohlgenant, Sheryl Cates, Xi Chen, Lee-Ann Jaykus, You Li, Benjamin Chapman

**Face touching: A frequent habit that has implications for hand hygiene**  
Original Research Article  
**Pages 112-114**  
Yen Lee Angela Kwok, Jan Gralton, Mary-Louise McLaws

**Hospital unit safety climate: Relationship with nurses’ adherence to recommended use of facial protective equipment**  
Original Research Article  
**Pages 115-120**  
Michael Diamant Rozenbojm, Kathryn Nichol, Stephanie Spielmann, D. Linn Holness

**Institutional origins of health care–associated infection knowledge: Lessons from an analysis of articles about methicillin-resistant Staphylococcus aureus published in leading biomedical journals from 1960-2009**  
Original Research Article  
**Pages 121-126**  
Fabio Rojas, W. Carson Byrd, Sanjay Saint
Selecting models for a respiratory protection program: What can we learn from the scientific literature

Original Research Article
Pages 127-132
Ronald E. Shaffer, Larry L. Janssen

Differences between novel and conventional surveillance paradigms of ventilator-associated pneumonia

Original Research Article
Pages 133-136
Hui-Chun Chang, Chin-Ming Chen, Shu-Chen Kung, Ching-Min Wang, Wei-Lun Liu, Chih-Cheng Lai

Molecular epidemiology of Klebsiella pneumoniae carbapenemase-producing Enterobacteriaceae in different facilities in Southern Brazil

Original Research Article
Pages 137-140
Lavinia N. Arend, Paula Toledo, Marcelo Pilonetto, Felipe F. Tuon

Use of a daily disinfectant cleaner instead of a daily cleaner reduced hospital-acquired infection rates

Original Research Article
Pages 141-146
Michelle J. Alfa, Evelyn Lo, Nancy Olson, Michelle MacRae, Louise Buelow-Smith

Failure analysis in the identification of synergies between cleaning monitoring methods

Original Research Article
Pages 147-153
Greg S. Whiteley, Chris Derry, Trevor Glasbey

Coliform bacteria, fabrics, and the environment

Original Research Article
Pages 154-158

Brief Reports

See one, do one, teach one: Hand hygiene attitudes among medical students, interns, and faculty

Pages 159-161
Marc A. Polacco, Laura Shinkunas, Eli N. Perencevich, Lauris C. Kaldjian, Heather Schacht Reisinger

Sustained increase in resident meal time hand hygiene through an interdisciplinary intervention engaging long-term care facility residents and staff

Pages 162-164
Marguerite O'Donnell, Tony Harris, Terancita Horn, Blondelle Midamba, Vickie Primes, Nancy Sullivan, Rosalyn Shuler, Trina F. Zabarsky, Abhishek Deshpande, Venkata C.K. Sunkesula, Sirisha Kundrapu, Curtis J. Donskey

Is accounting for acute care beds enough? A proposal for measuring infection prevention personnel resources

Pages 165-166
Kathleen A. Gase, Hilary M. Babcock

Evaluating the usefulness of patient education materials on surgical site infection: A systematic assessment

Pages 167-168
Caroline Zellmer, Peggy Zimdars, Sarah Parker, Nasia Safdar

Barriers to the use of face protection for standard precautions by health care providers

Pages 169-170
Joanne Kinlay, Kathleen Flaherty, Patricia Scanlon, Preeti Mehrotra, Gail Potter-Bynoe, Thomas J. Sandora

Characterization of patients exposed to multiple devices but free of hospital-acquired infection at intensive care unit discharge

Pages 171-173
Improving quality of data extractions for the computation of patient-days and admissions
Pages 174-176
Elise Fortin, Milagros Gonzales, Patricia S. Fontela, Robert W. Platt, David L. Buckeridge, Caroline Quach

Using microfiber and steam technology to improve cleaning outcomes in an intensive care unit
Pages 177-179
Elizabeth Gillespie, Natalie Williams, Tracy Sloane, Louise Wright, Despina Kotsanas, Rhonda L. Stuart

Lower infection rates after introduction of a photocatalytic surface coating
Pages 180-181
John R. Pulliam

A gap in patient tape storage and use practices puts patients at risk for cutaneous fungal infections
Pages 182-184
Jessica McClusky, Mallory Davis, Karen Dahl

Surveillance of extended-spectrum β-lactamase-producing Escherichia coli and Klebsiella pneumoniae at a comprehensive cancer center in Japan, 2009-2013
Pages 185-187
Ichiro Kawamura, Norio Ohmagari, Mika Tsukahara, Tomoko Kudo, Hanako Kurai

Burden of isolation for multidrug-resistant organisms in a tertiary public hospital in Southern Brazil
Pages 188-190
Patricia R. Pereira, Petros Isaakidis, Sven G. Hinderaker, Engy Ali, Wilma van den Boogaard, Karen S. Viana, Renato Cassol, Diego Rodrigues Falci

Vaccination coverage among students from a German health care college
Pages 191-194
Carolin Mäding, Carolin Jacob, Carola Münch, Katharina von Lindeman, Jörg Klewer, Joachim Kugler

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
Review Article
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
Review Article
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
Original Research Article
A. Kowada, J. Takasaki, N. Kobayashi

**Effect of cleaning and disinfection of toys on infectious diseases and micro-organisms in daycare nurseries**
Original Research Article
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**
Original Research Article
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**
Original Research Article
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 & Hospital Epidemiology, Volume 36 - Issue 02**

Please note that articles from this journal can only be sourced from the British Library, at a cost of £8 per article.

**The Burden of Mucosal Barrier Injury Laboratory-Confirmed Bloodstream Infection among Hematology, Oncology, and Stem Cell Transplant Patients**
Kristen E. Metzger, Yvonne Rucker, Mary Callaghan, Michelle Churchill, Borko D. Jovanovic, Teresa R. Zembower and Maureen K. Bolon
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 119-124

**A Comparison Between National Healthcare Safety Network Laboratory-Identified Event Reporting versus Traditional Surveillance for *Clostridium difficile* Infection**
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 125-131

**Comorbidities, Exposure to Medications, and the Risk of Community-Acquired *Clostridium difficile* Infection: A Systematic Review and Meta-analysis**
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 132-141

**Antimicrobial Stewardship in Outpatient Settings: A Systematic Review**
Dimitri M. Drekonja, Gregory A. Filice, Nancy Greer, Andrew Olson, Roderick MacDonald, Indulis Rutks and Timothy J. Wilt
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 142-152

**Antibiotics for Respiratory Tract Infections: A Comparison of Prescribing in an Outpatient Setting**
Tamar F. Barlam, Jake R. Morgan, Lee M. Wetzler, Cindy L. Christiansen and Mari-Lynn Drainoni
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 153-159

**Rapid, Highly Discriminatory Binary Genotyping to Demonstrate Meticillin-Resistant *Staphylococcus aureus* Transmission in a Tertiary Care Intensive Care Unit**
Triclosan-Coated Sutures Reduce the Risk of Surgical Site Infections: A Systematic Review and Meta-analysis
Anucha Apisarnthanarak, Nalini Singh, Aila Nica Bandong and Gilbert Madriaga
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 160-168

Precautionary Practices of Healthcare Workers Who Disinfect Medical and Dental Devices Using High-Level Disinfectants
Scott A. Henn, James M. Boiano and Andrea L. Steege
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 180-185

Vaccination Policies Among Health Professional Schools: Evidence of Immunity and Allowance of Vaccination Exemptions
Samantha B. Dolan, Tanya E. Libby, Megan C. Lindley, Faruque Ahmed, John Stevenson, Raymond A. Strikas
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 186-191

Evaluation of a Pulsed Xenon Ultraviolet Disinfection System for Reduction of Healthcare-Associated Pathogens in Hospital Rooms
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 192-197

Pseudo-outbreak of Mycobacterium gordonae Following the Opening of a Newly Constructed Hospital at a Chicago Medical Center
Kavitha Prabaker, Chethra Muthiah, Mary K. Hayden, Robert A. Weinstein, Jyothismai Cheerala, Mary L. Scorzla, John Segreti, Mary A. Lavin, Barbara A. Schmitt, Sharon F. Welbel, Kathleen G. Beavis, Gordon M. Trenholme
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 198-203

Systematic Review With Meta-Analyses and Critical Appraisal of Clinical Prediction Rules for Pulmonary Tuberculosis in Hospitals
Berenice das Dores Gonçalves, Sonia Regina Lambert Passos, Maria Angelica Borges dos Santos, Carlos Augusto Ferreira de Andrade, Maria de Fátima Moreira Martins and Fernanda Carvalho de Queiroz Mello
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 204-213

Risk Factors for Central Line–Associated Bloodstream Infections in the Era of Prevention Bundles
Devin Callister, Pauline Limchaiyawat, Samantha J. Eells and Loren G. Miller
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 214-216

Gut Check: Clostridium difficile Testing and Treatment in the Molecular Testing Era
Whitney R. Buckel, Edina Avdic, Karen C. Carroll, Vidhya Gunaseelan, Eric Hadhazy and Sara E. Cosgrove
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 217-221

Outpatient Parenteral Antimicrobial Therapy in Pediatrics: An Opportunity to Expand Antimicrobial Stewardship
Elizabeth D. Knackstedt and Chris Stockmann and Carly R. Davis and Emily A. Thorell and Andrew T. Pavia and Adam L. Hersh
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 222-224

Surgical Site Infection Surveillance Following Ambulatory Surgery
Chanu Rhee, Susan S. Huang, Sandra I. Berrios-Torres, Rebecca Kaganov, Christina Bruce, Julie Lankiewicz, Richard Platt and Deborah S. Yokoe
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 225-228

Efficacy of Alcohol Gel for Removal of Methicillin-Resistant Staphylococcus Aureus from Hands of Colonized Patients
Venkata Sunkesula, Sirisha Kundrapu, David R. Macinga and Curtis J. Donskey
Low Prevalence of Mupirocin Resistance Among Hospital-Acquired Methicillin-Resistant Staphylococcus aureus Isolates in a Neonatal Intensive Care Unit with an Active Surveillance Cultures and Decolonization Program
Nuntra Suwantarat, Karen C. Carroll, Tsigereda Tekle, Tracy Ross, Victor O. Popoola and Aaron M. Milstone
Infection Control & Hospital Epidemiology, Volume 36, Issue 02, February 2015, pp 229-231

Other Journal Articles

Potential Sources of Clostridium difficile in Human Infection.
Bauer MP, Kuijper EJ.

Impact of rapid molecular screening at hospital admission on nosocomial transmission of methicillin-resistant Staphylococcus aureus: cluster randomised trial.
Roisin S, Laurent C, Denis O, Dramaix M, Nonhoff C, Hallin M, Byl B, Struelens MJ.

A Comparison of 2 Surgical Site Infection Monitoring Systems
Mila H. Ju, MD, MS, Clifford Y. Ko, MD, MS, MSHS, Bruce L. Hall, MD, PhD, MBA, et al.
JAMA Surg. 2015;150(1):51

Chlorhexidine Bathing and Health Care–Associated Infections: A Randomized Clinical Trial
Michael J. Noto, MD, PhD, Henry J. Domenico, MS, Daniel W. Byrne, MS, et al.
JAMA. 2015;313(4):369

Clostridium difficile infection after cardiac surgery: prevalence, morbidity, mortality, and resource utilization.
Keshavamurthy S, Koch CG, Fraser TG, Gordon SM, Houghtaling PL, Soltesz EG, Blackstone EH, Pettersson GB.

Ventilator-associated pneumonia after cardiac surgery: a meta-analysis and systematic review.
He S, Chen B, Li W, Yan J, Chen L, Wang X, Xiao Y.

Diagnosis and Treatment of Clostridium difficile in Adults: A Systematic Review
Natasha Bagdasarian, MD, MPH, Krishna Rao, MD, Preeti N. Malani, MD, MSJ.
JAMA. 2015;313(4):398

Methicillin-Resistant Staphylococcus aureus Prevention Strategies in the ICU: A Clinical Decision Analysis
Ziakas, Panayiotis D. Zacharioudakis, Ioannis Zervou, Fainareti N. Mylonakis, Eleftherios
Critical Care Medicine: February 2015 - Volume 43 - Issue 2 - p 382–393

Duration of Colonization and Determinants of Earlier Clearance of Colonization with Methicillin-Resistant Staphylococcus aureus.

Prolonged Clostridium difficile Infection May Be Associated With Vitamin D Deficiency.
Wong KK, Lee R, Watkins RR, Haller N.
Surgical site infections.
Young PY, Khadaroo RG.

Bloodstream infections and central line-associated bloodstream infections.
Watson CM, Al-Hasan MN.

Resistant pathogens, fungi, and viruses.
Guidry CA, Mansfield SA, Sawyer RG, Cook CH.

Infection control in the intensive care unit.
Osman MF, Askari R.

Effect of minimally invasive surgery on the risk for surgical site infections: results from the National Surgical Quality Improvement Program (NSQIP) Database.

Nonsterile glove use in addition to hand hygiene to prevent late-onset infection in preterm infants: randomized clinical trial.
Kaufman DA, Blackman A, Conaway MR, Sinkin RA.

Nosocomial transmission of C. difficile in English hospitals from patients with symptomatic infection.

Hospital organisation, management, and structure for prevention of health-care-associated infection: a systematic review and expert consensus
Walter Zingg, Prof Alison Holmes, Prof Markus Dettenkofer, Tim Goetting, Federica Secci, Lauren Clack, Benedetta Allegrani, Anna-Pelagia Magiorakos, Prof Didier Pittet, for the systematic review and evidence-based guidance on organization of hospital infection control programmes (SIGHT) study group
The Lancet Infectious Diseases, 15(2), p212–224, February 2015

Predicting carriage with extended-spectrum beta-lactamase-producing bacteria at hospital admission: a cross-sectional study.
Clin Microbiol Infect. 2014 Oct 29. pii: S1198-743X(14)00050-0. [Epub ahead of print]

Impact of a hospital-wide multifaceted programme for reducing carbapenem-resistant Enterobacteriaceae infections in a large teaching hospital in northern Italy.

Diagnosis and Management of Clostridium difficile Infection.
Korman TM.
Semin Respir Crit Care Med. 2015 Feb;36(1):31-43.

Treatment of Methicillin-Resistant Staphylococcus aureus: Vancomycin and Beyond.
Holmes NE, Tong SY, Davis JS, Hal SJ.
Eliminating catheter-associated urinary tract infections in the intensive care unit: is it an attainable goal?
Tominaga GT, Dhupa A, McAllister SM, Calara R, Peters SA, Stuck A.

Long-term results of a postoperative pneumonia prevention program for the inpatient surgical ward.
Kazaure HS, Martin M, Yoon JK, Wren SM.

Evidence Updates

http://plus.mcmaster.ca/EvidenceUpdates/NewArticles.aspx?Page=2&ArticleID=61988#Data

http://plus.mcmaster.ca/EvidenceUpdates/NewArticles.aspx?Page=2&ArticleID=62114#Data

http://plus.mcmaster.ca/EvidenceUpdates/NewArticles.aspx?Page=1&ArticleID=62362#Data

NICE Medicines Awareness

Diagnosis and Treatment of Clostridium difficile in Adults: A Systematic Review
Journal of the American Medical Association
Infection and infectious diseases
Review of 116 articles suggests vancomycin is treatment of choice for severe/complicated Clostridium difficile infection (CDI), with/without adjunctive therapies. Metronidazole is appropriate for mild CDI. Fidaxomicin is option for recurrent CDI/those at high risk of recurrence.

Department of Health publications

Guidance: Raising awareness of needlestick injuries in healthcare settings
17 February, 2015 at 06:02pm
A visual report of discussion groups held at the 5th POINTERS conference, Cardiff City Hall, 11 December 2014.

Conferences

Disclaimer
The information published in this bulletin is not intended to be exhaustive, and while Library staff make every effort to link only to reputable and reliable websites, the information contained in this bulletin has not been critically appraised by Library staff and it is therefore the responsibility of the reader to appraise this information for accuracy and relevance.