

ABR-Scan Science Week 42-43

Unit for Antibiotics and Infection Control

This biweekly ABR-Scan is compiled by the Unit for Antibiotics and Infection Control at the Public Health Agency of Sweden (PHAS). It includes a summary of links to recent peer-reviewed articles mainly from a selection of 17 scientific journals, which are listed at the bottom of the document. The articles are sorted according to the following categories: surveillance, treatment and diagnosis, prevention and intervention, microbiology and other. Please note that the information and views set out in the articles included are those of the author(s) and do not necessarily reflect the official opinion of PHAS. Please send an e-mail to ABR-scan@folkhalsomyndigheten.se if you would like to subscribe, unsubscribe or submit any comments or suggestions.

Surveillance

Risk factors for community-onset bloodstream infection with extended-spectrum β -lactamase-producing Enterobacteriaceae: national population-based case-control study. [Clinical Microbiology and Infection](#)

Health outcomes attributable to carbapenemase-producing Enterobacteriaceae infections: A systematic review and meta-analysis. [Infection Control & Hospital Epidemiology](#)

Outbreak of *Serratia marcescens* bacteremia in pediatric patients epidemiologically linked to pre-filled heparin flushes. [Infection Control & Hospital Epidemiology](#)

Residual effect of community antimicrobial exposure on risk of hospital onset healthcare-associated *Clostridioides difficile* infection: a case-control study using national linked data. [Journal of Hospital Infection](#)

Rapid risk assessment: Outbreak of carbapenemase-producing (NDM-1 and OXA-48) and colistin-resistant *Klebsiella pneumoniae* ST307, north-east Germany, 2019. [European Centre for Disease Prevention and Control](#)

Treatment and diagnosis

Assessment of Antibiotic Treatment of Cellulitis and Erysipelas, a Systematic Review and Meta-analysis. [JAMA Dermatology](#)

Optimizing antibiotic prescribing: collective approaches to managing a common-pool resource. [Clinical Microbiology and Infection](#)

Assessing the potential of upper respiratory tract point-of-care testing: a systematic review of the prognostic significance of upper respiratory tract microbes. [Clinical Microbiology and Infection](#)

How to accelerate antimicrobial susceptibility testing. [Clinical Microbiology and Infection](#)

Evaluation of a molecular point-of-care testing for viral and atypical pathogens on intravenous antibiotic duration in hospitalized adults with lower respiratory tract infection: a randomized clinical trial. [Clinical Microbiology and Infection](#)

PcV i 5 dygn vid faryngotonsillit var lika bra som 10 dygn. [Läkartidningen](#) (in Swedish)

Handläggning av infektioner vid ortopediska implantat en utmaning för vården. [Läkartidningen](#) (in Swedish)

Erysipelas – behandla alltid med penicillin. [Läkartidningen](#) (in Swedish)

Prevention and intervention

Chlorhexidine-based decolonization to reduce healthcare-associated infections and multidrug-resistant organisms (MDROs): who, what, where, when, and why?. [Journal of Hospital Infection](#)

Microbiology

Extended-spectrum β -lactamase-producing *Escherichia coli* in human-derived and foodchain-derived samples from England, Wales, and Scotland: an epidemiological surveillance and typing study. [The Lancet Infectious Diseases](#)

Emergence of *Escherichia coli* harboring mcr-1 and mcr-3 gene in North West Algerian farmlands. (Short communication). [Journal of Global Antimicrobial Resistance](#)

Escherichia coli causing bloodstream and other extraintestinal infections: tracking the next pandemic. (Comment) [The Lancet Infectious Diseases](#)

Other

Burden of surgical site infections in the Netherlands: cost analyses and disability-adjusted life years. [Journal of Hospital Infection](#)

End the tuberculosis emergency: a promise is not enough. (Editorial) [The Lancet](#)

The publications included in the scan are: Antimicrobial Agents and Chemotherapy, British Medical Journal (BMJ), Clinical Infectious Diseases, Clinical Microbiology and Infection, Emerging Infectious Diseases, Eurosurveillance, Infection Control & Hospital Epidemiology, Infectious Diseases, The Journal of the American Medical Association (JAMA), Journal of Antimicrobial Chemotherapy, Journal of Hospital Infection, Journal of Infectious Diseases, Lancet, Lancet Infectious Diseases, New England Journal of Medicine, Pediatrics and Scandinavian Journal of Primary Health Care. Material from other publications may also be included.