

ABR-Scan Science Week 34-35

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

Antimicrobial use and drug–drug interactions among nursing home residents in Singapore: a multicentre prevalence study. [International Journal of Clinical Pharmacy](#)

Travel and the Spread of Drug-Resistant Bacteria. [Current Infectious Disease Reports](#)

The knowledge, attitude and practice of health practitioners towards antibiotic prescribing and resistance in developing countries—A systematic review. [Journal of Clinical Pharmacy and Therapeutics](#)

Emergency Department Revisits After an Initial Parenteral Antibiotic Dose for UTI. [Pediatrics](#)

Emergence of Carbapenemase-Producing Enterobacteriaceae, South-Central Ontario, Canada. [Emerging Infectious Diseases](#)

Fluconazole-Resistant *Candida parapsilosis* Bloodstream Isolates with Y132F Mutation in ERG11 Gene, South Korea. [Emerging Infectious Diseases](#)

Extensively drug-resistant and pan-drug resistant Gram-negative bacteria in a tertiary-care hospital in Eastern India: a 4 year retrospective study. [Journal of Global Antimicrobial Resistance](#)

Acinetobacter in Veterinary Medicine with emphasis on *A. baumannii*. [Journal of Global Antimicrobial Resistance](#)

Variations in Neonatal Antibiotic Use. [Pediatrics](#)

Neonatal Antibiotic Use: How Much Is Too Much? [Pediatrics](#)

Pediatric Antibacterial and Antifungal Trials From 2007 to 2017. [Pediatrics](#)

Genomic epidemiology of methicillin-resistant *Staphylococcus aureus* ST22 widespread in communities of the Gaza Strip, 2009. [Eurosurveillance](#)

Outbreaks of antimicrobial resistant *S. Choleraesuis* in wild boars piglets from central-western Spain. [Transboundary and Emerging Diseases](#)

Transmission of *Clostridium difficile* from asymptotically colonized or infected long-term care facility residents. [Infection Control & Hospital Epidemiology](#)

Community-acquired *Clostridium difficile*: epidemiology, ribotype, risk factors, hospital and intensive care unit outcomes, and current and emerging therapies. [Journal of Hospital Infection](#)

Wastewater drains: epidemiology and interventions in 23 carbapenem-resistant organism outbreaks. [Infection Control & Hospital Epidemiology](#)

Bacteraemia post-autologous haematopoietic stem cell transplantation in the absence of antibacterial prophylaxis: a decade's experience from Lebanon. [Infection](#)

Rapid Increase in Carriage Rates of Enterobacteriaceae Producing Extended-Spectrum β -Lactamases in Healthy Preschool Children, Sweden. [Emerging Infectious Diseases](#)

Multilocus Sequence Typing of *Mycoplasma pneumoniae*, Japan, 2002–2016. [Emerging Infectious Diseases](#)

Genetic Diversity and Antimicrobial Drug Resistance of Serotype VI Group B Streptococcus, Canada. [Emerging Infectious Diseases](#)

Prescription Medication Use Among Children and Adolescents in the United States. [Pediatrics](#)

Treatment and diagnosis

Severe community-acquired pneumonia: Current management and future therapeutic alternatives. [Expert Review of Anti-infective Therapy](#)

Methicillin-resistant *Staphylococcus aureus* Colonization and Pre- and Post-hospital Discharge Infection Risk. [Clinical Infectious Diseases](#)

Indications for Systemic Fluoroquinolone Therapy in Europe and Prevalence of Primary-Care Prescribing in France, Germany and the UK: Descriptive Population-Based Study. [Clinical Drug Investigation](#)

Antibiotic de-escalation in patients with pneumonia in the intensive care unit: A systematic review and meta-analysis. [International Journal of Clinical Practice](#)

Bezlotoxumab for Prevention of Recurrent *Clostridium difficile* Infection in Patients at Increased Risk for Recurrence. [Clinical Infectious Diseases](#)

A Comparison of the Efficacy and Safety of Intravenous Followed by Oral Delafloxacin With Vancomycin Plus Aztreonam for the Treatment of Acute Bacterial Skin and Skin Structure Infections: A Phase 3, Multinational, Double-Blind, Randomized Study. [Clinical Infectious Diseases](#)

Dalbavancin as Primary and Sequential Treatment for Gram-Positive Infective Endocarditis: 2-Year Experience at the General Hospital of Vienna. [Clinical Infectious Diseases](#)

Comparative efficacy of treatments for *Clostridium difficile* infection: a systematic review and network meta-analysis. [Lancet Infectious Diseases](#)

Continuous low-dose antibiotic prophylaxis for adults with repeated urinary tract infections (AnTIC): a randomised, open-label trial. [Lancet Infectious Diseases](#)

Antibody responses against *Streptococcus pneumoniae*, *Haemophilus influenzae* and *Moraxella catarrhalis* in children with acute respiratory infection with or without nasopharyngeal bacterial carriage. [Infectious Diseases](#)

Prevention and intervention

The Current State of Antimicrobial Stewardship: Challenges, Successes, and Future Directions. [Current Infectious Diseases Reports](#)

Routine screening for colonization by Gram-negative bacteria in neonates at intensive care units for the prediction of sepsis: systematic review and metaanalysis. [Journal of Hospital Infection](#)

Is cohorting the only solution to control carbapenemase-producing Enterobacteriaceae outbreaks? A single-centre experience. [Journal of Hospital Infection](#)

Antibiotic Stewardship in Community Pharmacies: A Scoping Review. [Pharmacy](#)

Knowledge, awareness, and attitude towards infection prevention and management among surgeons: identifying the surgeon champion. [World Journal of Emergency Surgery](#)

Diet as a risk factor for antimicrobial resistance in community-acquired urinary tract infections in a middle-aged and elderly population: a case-control study. [Clinical Microbiology and Infection](#)

Microbiology

No association between resistance mutations, empiric antibiotic, and mortality in ceftriaxone-resistant Escherichia coli and Klebsiella pneumoniae bacteremia. [Scientific Reports](#)

Clinical utility of direct application of matrix-assisted laser desorption ionization time-of-flight mass spectrometry and rapid disk diffusion test in presumptive antimicrobial therapy for bacteremia. [Journal of Infection and Chemotherapy](#)

Next-generation DNA sequencing analysis of two Streptococcus suis ST28 isolates associated with human infective endocarditis and meningitis in Gunma, Japan: a case report. [Infectious Diseases](#)

Other

Encouraging Sustainable Use of Antibiotics: A Commentary on the DRIVE-AB Recommended Innovation Incentives. [Journal of Law, Medicine and Ethics](#)

Antimicrobial resistance: a threat to global health. [Lancet Infectious Diseases](#)

The scourge of avoidable neonatal mortality in Malawi. [BMJ](#)

The publications included in the scan are: Antimicrobial Agents and Chemotherapy, British Medical Journal, Clinical Infectious Diseases, Clinical Microbiology and Infection, Emerging Infectious Diseases, Eurosurveillance, Infection Control & Hospital Epidemiology, Infectious Diseases, JAMA - The Journal of the American Medical Association, 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. In addition, other articles from other publications can be included.