

# ABR-Scan Science Week 50-51

## Unit for Antibiotics and Infection Control

*This ABR-Scan Science is compiled by the Unit for Antibiotics and Infection Control at the Public Health Agency of Sweden. It includes a summary of links to recent articles from a selection of 17 scientific journals that we find interesting. All journals included in the scan are listed at the bottom of the document. The articles are sorted according to our categorization: surveillance, treatment and diagnosis, prevention and intervention, microbiology and other. If you have any comments or suggestions, please send an e-mail to Jonas Fuks at [ABR-scan@folkhalsomyndigheten.se](mailto:ABR-scan@folkhalsomyndigheten.se)*

### Surveillance

Adherence to international recommendations in the fight against antimicrobial resistance - Substantial difference between outpatient consumption in Spain and Denmark [Article in Spanish].

[Revista Española de Quimioterapia](#)

Role of cephalosporins in the era of *Clostridium difficile* infection. [Journal of Antimicrobial Chemotherapy](#)

Turkey Meat as Source of CC9/CC398 Methicillin-Resistant *Staphylococcus aureus* in Humans? [Clinical Infectious Diseases](#)

Import and spread of extended-spectrum  $\beta$ -lactamase-producing Enterobacteriaceae by international travelers (COMBAT study): a prospective, multicentre cohort study. [Lancet Infectious Diseases](#)

ESBL-producing Enterobacteriaceae in travellers: doctors beware. [Lancet Infectious Diseases](#)

Correspondence: Community-associated methicillin-resistant *Staphylococcus aureus* pneumonia in China. [Lancet Infectious Diseases](#)

Correspondence: Plasmid-mediated or chromosomally mediated colistin resistance in *Klebsiella pneumoniae*? [Lancet Infectious Diseases](#)

Sociodemographic and geographical inequalities in notifiable infectious diseases in Australia: a retrospective analysis of 21 years of national disease surveillance data. [Lancet Infectious Diseases](#)

Estimated Incidence of Antimicrobial Drug-Resistant Nontyphoidal *Salmonella* Infections, United States, 2004–2012. [Emerging Infectious Diseases](#)

Short- and long-term effects of oral vancomycin on the human intestinal microbiota. [Journal of Antimicrobial Chemotherapy](#)

Association between inappropriate empirical antimicrobial therapy and hospital length of stay in Gram-negative bloodstream infections: stratification by prognosis. [Journal of Antimicrobial Chemotherapy](#)

Improving feedback of surveillance data on antimicrobial consumption, resistance and stewardship in England: putting the data at your Fingertips. [Journal of Antimicrobial Chemotherapy](#)

Cumulative and temporal associations between antimicrobial prescribing and community-associated *Clostridium difficile* infection: population-based case–control study using administrative data. [Journal of Antimicrobial Chemotherapy](#)

Estimating the morbidity and mortality associated with infections due to multidrug-resistant bacteria (MDRB), France, 2012. [Antimicrobial Resistance and Infection Control](#)

### Treatment and diagnosis

Fluoroquinolones or macrolides in combination with  $\beta$ -lactams in adult patients hospitalized with community acquired pneumonia: a systematic review and meta-analysis. [Clinical Microbiology and Infection](#)

Intravenous fosfomycin – Back to the future. Systematic review and meta-analysis of the clinical literature. [Clinical Microbiology and Infection](#)

Delivering on Antimicrobial Resistance Agenda Not Possible without Improving Fungal Diagnostic Capabilities. [Emerging Infectious Diseases](#)

**Duration of Antibiotic Therapy for Community-Acquired Pneumonia in the Era of Personalized Medicine.** [JAMA](#)

**The Effect of Molecular Rapid Diagnostic Testing on Clinical Outcomes in Bloodstream Infections: A Systematic Review and Meta-analysis.** [Clinical Infectious Diseases](#)

**Polymyxin monotherapy or in combination against carbapenem-resistant bacteria: systematic review and meta-analysis.** [Journal of Antimicrobial Chemotherapy](#)

**High-intensity meropenem combinations with polymyxin B: new strategies to overcome carbapenem resistance in Acinetobacter baumannii.** [Journal of Antimicrobial Chemotherapy](#)

**Efficacy of ceftolozane/tazobactam against urinary tract and intra-abdominal infections caused by ESBL-producing Escherichia coli and Klebsiella pneumoniae: a pooled analysis of Phase 3 clinical trials.** [Journal of Antimicrobial Chemotherapy](#)

**Successful treatment of MDR Pseudomonas aeruginosa skin and soft-tissue infection with ceftolozane/tazobactam.** [Journal of Antimicrobial Chemotherapy](#)

## Prevention and intervention

**The Point of Antimicrobial Susceptibility Testing Is to Inform Antimicrobial Prescribing.** [Clinical Infectious Diseases](#)

**Correspondence: Antimicrobial Resistance: A Call to Action!** [Clinical Infectious Diseases](#)

**Risk factors for resistance to ciprofloxacin in community-acquired urinary tract infections due to Escherichia coli in an elderly population.** [Journal of Antimicrobial Chemotherapy](#)

## Microbiology

**Low biological cost of carbapenemase-encoding plasmids following transfer from Klebsiella pneumoniae to Escherichia coli.** [Journal of Antimicrobial Chemotherapy](#)

## Other

**Patient and public understanding and knowledge of antimicrobial resistance and stewardship in a UK hospital: should public campaigns change focus?** [Journal of Antimicrobial Chemotherapy](#)

**Public health risk of antimicrobial resistance transfer from companion animals.** [Journal of Antimicrobial Chemotherapy](#)

**Electronic prescribing system design priorities for antimicrobial stewardship: a cross-sectional survey of 142 UK infection specialists.** [Journal of Antimicrobial Chemotherapy](#)

*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.*