

ABR-Scan Science Week 46

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 ABR-scan@folkhalsomyndigheten.se

Surveillance

Surveillance for control of antimicrobial resistance. [Lancet Infectious Diseases](#)

English Surveillance Programme for Antimicrobial Utilisation and Resistance (ESPAUR) Report 2017. [Public Health England](#)

Trends in Community Versus Health Care-Acquired Methicillin-Resistant Staphylococcus aureus Infections. [Current Infectious Disease Reports](#)

The Emerging Problem of Linezolid-resistant Enterococcus. [Journal of Global Antimicrobial Resistance](#)

Longitudinal genomic surveillance of MRSA in the UK reveals transmission patterns in hospitals and the community. [Science Translational](#)

Using Spatial and Temporal Mapping to Identify Nosocomial Disease Transmission of Clostridium difficile. [JAMA Internal Medicine](#)

Salmonella enterica serotype 4,[5],12:i:- in swine in the United States Midwest: an emerging multidrug resistant clone. [Clinical Infectious Diseases](#)

Epidemiology and risk factors for mortality in bloodstream infection by CP-Kp, ESBL-E, Candida and CDI: A single center retrospective study. [European Journal of Internal Medicine](#)

Selection of carbapenem resistant *Pseudomonas aeruginosa* in a haematology unit? [Journal of Hospital Infection](#)

Use of Bibliometric Analysis to Assess the Scientific Productivity and Impact of the Global Emerging Infections Surveillance and Response System Program, 2006-2012. [Military Medicine](#)

High Rate of MCR-1–Producing *Escherichia coli* and *Klebsiella pneumoniae* among Pigs, Portugal. [Emerging Infectious Diseases](#)

Emergence of carbapenem-resistant hypervirulent *Klebsiella pneumoniae*. [Lancet Infectious Diseases](#)

Correspondence: Emergence of carbapenem-resistant hypervirulent *Klebsiella pneumoniae*. [Lancet Infectious Diseases](#)

Correspondence: Emergence of carbapenem-resistant hypervirulent *Klebsiella pneumoniae*. [Lancet Infectious Diseases](#)

Persistent carbapenem-resistant *Klebsiella pneumoniae*: a Trojan horse. [Lancet Infectious Diseases](#)

Treatment and diagnosis

Symptomatic treatment of uncomplicated lower urinary tract infections in the ambulatory setting: randomised, double blind trial. [BMJ](#)

Duration of Antibiotic Use among Adults with Uncomplicated Community-Acquired Pneumonia Requiring Hospitalization in the United States. [Clinical Infectious Diseases](#)

Effectiveness of β -Lactam Monotherapy vs Macrolide Combination Therapy for Children Hospitalized With Pneumonia. [JAMA Pediatrics](#)

Immunization, Antibiotic Use, and Pneumococcal Colonization Over a 15-Year Period. [Pediatrics](#)

β -Lactamase inhibitors: what you really need to know. [Current Opinion in Pharmacology](#)

Single Versus Multidrug Regimen for Surgical Infection Prophylaxis in Left Ventricular Assist Device Implantation. [ASAIO](#)

Trends in Intravenous Antibiotic Duration for Urinary Tract Infections in Young Infants. [Pediatrics](#)

Can preoperative nasal cultures of *Staphylococcus aureus* predict infectious complications or outcomes following repair of fracture nonunion? [Journal of Infection and Public Health](#)

Prevention and intervention

Reducing Time to Antibiotics in Children With Intestinal Failure, Central Venous Line, and Fever. [Pediatrics](#)

Infection Prevention and Control in Pediatric Ambulatory Settings. [Pediatrics](#)

Risk of Subsequent Sepsis within 90 Days of a Previous Hospital Stay by Type of Antibiotic Exposure. [Clinical Infectious Diseases](#)

Shift to community-onset *Clostridium difficile* infection in the national Veterans Health Administration, 2003-2014. [American Journal of Infection Control](#)

Risk Factors for Community-Associated *Clostridium difficile* Infection in Adults: A Case-Control Study. [Open Forum Infectious Diseases](#)

Effectiveness of national and subnational infection prevention and control interventions in high-income and upper-middle-income countries: a systematic review. [Lancet Infectious Diseases](#)

Microbiology

Draft genome sequence of a tigecycline resistant KPC-2-producing *Klebsiella pneumoniae* ST15 clinical isolate from China. [Journal of Global Antimicrobial Resistance](#)

Persistence of antibiotic resistance genes and bacterial community changes in drinking water treatment system: From drinking water source to tap water. [Science of the Total Environment](#)

Other

Evaluation of the *Mycoplasma genitalium* Resistance Plus kit for the detection of *M. genitalium* and mutations associated with macrolide resistance. [Sexually Transmitted Infections](#)

'Well, it literally stops me from having a life when it's really bad': a nested qualitative interview study of patient views on the use of self-management treatments for the management of recurrent sinusitis (SNIFS trial). [BMJ Open](#)

A situational analysis of current antimicrobial governance, regulation, and utilization in South Africa. [International Journal of Infectious Diseases](#)

Human resources estimates and funding for antibiotic stewardship teams are urgently needed.
[Clinical Microbiology and Infection](#)

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.