

# ABR-Scan Science Week 40

## 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](mailto:ABR-scan@folkhalsomyndigheten.se)*

### Surveillance

Cessation of screening for intestinal carriage of ESBL-producing Enterobacteriaceae in a low-endemicity ICU with universal contact precautions. [Clinical Microbiology and Infection](#)

Ceftolozane-tazobactam activity against drug-resistant Enterobacteriaceae and Pseudomonas aeruginosa causing healthcare-associated infections in Latin America: report from an Antimicrobial Surveillance Program (2013-2015). [Brazilian Journal of Infectious Diseases](#)

Macrolide-Resistant Mycoplasma pneumoniae Infection, Japan, 2008–2015. [Emerging Infectious Diseases](#)

Comparison of antibiotics use, urinary tract infection (UTI)-causative bacteria and their antibiotic susceptibilities among 4 hospitals with different backgrounds and regions in Japan. [Journal of Chemotherapy](#)

The prevalence and transmission dynamics of Escherichia coli ST131 among contacts of infected community and hospitalized patients. [Clinical Microbiology and Infection](#)

blaCTX-M-27–Encoding Escherichia coli Sequence Type 131 Lineage C1-M27 Clone in Clinical Isolates, Germany. [Emerging Infectious Diseases](#)

Multidrug and mupirocin resistance in environmental methicillin-resistant Staphylococcus aureus (MRSA) collected from the homes of people diagnosed with a community-onset (CO-) MRSA infection. [Applied and Environmental Microbiology](#)

Trends and patterns in antibiotic prescribing among out-of-hours primary care providers in England, 2010-14. [Journal of Antimicrobial Chemotherapy](#)

Species distribution and antibiotic susceptibility profile of bacterial uropathogens among patients complaining urinary tract infections. [BMC Infectious Diseases](#)

### Treatment and diagnosis

High interindividual variability in urinary fosfomycin concentrations in healthy female volunteers. [Clinical Microbiology and Infection](#)

Management of KPC-Producing Klebsiella pneumoniae Infections. [Clinical Microbiology and Infection](#)

Evaluation of a Rapid Molecular Drug-Susceptibility Test for Tuberculosis. [NEJM](#)

Once-Daily Treatments for Methicillin-Susceptible Staphylococcus aureus Bacteremia: Are They Good Enough? [Current Infectious Disease Reports](#)

Low Risk of Primary *Clostridium difficile* Infection With Tetracyclines: A Systematic Review and Meta-analysis. [Clinical Infectious Diseases](#)

Bedaquiline and Linezolid for Extensively Drug-Resistant Tuberculosis in Pregnant Woman. [Emerging Infectious Diseases](#)

Off-Label Use of Bedaquiline in Children and Adolescents with Multidrug-Resistant Tuberculosis. [Emerging Infectious Diseases](#)

Management of acute bacterial skin and skin structure infections with a focus on patients at high risk of treatment failure. [Therapeutic Advances in Infectious Disease](#)

## Prevention and intervention

MRSA Decolonization Control: Comparing a Single-day Swabbing Regimen with an Established Three-day Protocol. [Clinical Microbiology and Infection](#)

A nationwide study on the impact of pneumococcal conjugate vaccination on antibiotic use and ventilation tube insertion in Denmark 2000–2014. [Vaccine](#)

Failure to Communicate: Transmission of Extensively Drug-Resistant bla OXA-237-Containing *Acinetobacter baumannii*—Multiple Facilities in Oregon, 2012–2014. [Infection Control & Hospital Epidemiology](#)

Low incidence of subsequent bacteremia or fungemia after removal of a colonized intravascular catheter tip. [Clinical Microbiology and Infection](#)

Mobile health application to assist doctors in antibiotic prescription – an approach for antibiotic stewardship. [Brazilian Journal of Infectious Diseases](#)

## Microbiology

EUCAST proposes to change the definition and usefulness of the susceptibility category "Intermediate". [Clinical Microbiology and Infection](#)

The prevalence and transmission dynamics of *Escherichia coli* ST131 among contacts of infected community and hospitalized patients. [Clinical Microbiology and Infection](#)

Clinical and analytical evaluation of the new Aptima *Mycoplasma genitalium* assay, with data on *M. genitalium* prevalence and antimicrobial resistance in *M. genitalium* in Denmark, Norway and Sweden in 2016. [Clinical Microbiology and Infection](#)

High levels of susceptibility to new and older antibiotics in *Neisseria gonorrhoeae* isolates from Saskatchewan (2003–15): time to consider point-of-care or molecular testing for precision treatment? [Journal of Antimicrobial Chemotherapy](#)

Susceptibility of MDR *Pseudomonas aeruginosa* to ceftolozane/tazobactam and comparison of different susceptibility testing methods. [Journal of Antimicrobial Chemotherapy](#)

## Other

Addressing Antimicrobial Resistance and Stewardship: The Priority Antimicrobial Value and Entry (PAVE) Award. [JAMA](#)

Antibiotic stewardship: update and perspectives. [Clinical Microbiology and Infection](#)

What is antimicrobial stewardship? [Clinical Microbiology and Infection](#)

Antimicrobial resistance and antimicrobial stewardship programmes: benefiting the patient or the population? [Journal of Medical Ethics](#)

*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.*