

ABR-Scan Science Week 40-41

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 acquired urinary tract infections caused by extended spectrum β -lactamase (ESBL) producing *Escherichia coli* in children: a case control study. [Journal of Infectious Diseases](#)

MRSA outbreak in a tertiary neonatal intensive care unit in Iceland. [Journal of Infectious Diseases](#)

- **Multidrug-Resistant Salmonella.** [JAMA/News From the Centers for Disease Control and Prevention](#)

The global prevalence of multidrug-resistance among *Acinetobacter baumannii* causing hospital-acquired and ventilator-associated pneumonia and its associated mortality: A systematic review and meta-analysis. [Journal of Infection](#)

Treatment and diagnosis

Penicillin V four times daily for five days versus three times daily for 10 days in patients with pharyngotonsillitis caused by group A streptococci: randomised controlled, open label, non-inferiority study. [BMJ](#)

Single β -lactams versus combinations as empiric therapy for infections with *Pseudomonas aeruginosa*: assessing the *in vitro* susceptibility. [Journal of Infectious Diseases](#)

Adverse drug reactions due to oral antibiotics prescribed in the community setting – England. [Journal of Infectious Diseases](#)

Pandrug-resistant Gram-negative bacteria: a systematic review of current epidemiology, prognosis and treatment options. [Journal of Antimicrobial Chemotherapy](#)

What Is the Role for Metronidazole in the Treatment of *Clostridium difficile* Infection? Results From a National Cohort Study of Veterans With Initial Mild Disease. [Journal of Antimicrobial Chemotherapy](#)

Treatment of *Enterococcus faecalis* infective endocarditis with penicillin G plus ceftriaxone. (letter) [Journal of Infectious Diseases](#)

[New Antibiotic for Community-Acquired Pneumonia. JAMA/News from the Food and Drug Administration](#)

Oral Lefamulin vs Moxifloxacin for Early Clinical Response Among Adults With Community-Acquired Bacterial Pneumonia: The LEAP 2 Randomized Clinical Trial. JAMA

Lefamulin – A New Antibiotic for Community-Acquired Pneumonia. (Editor’s Note) [JAMA](#)

Impact of multiplex respiratory virus testing on antimicrobial consumption in adults in acute care: a randomized clinical trial. [Clinical Microbiology and Infection](#)

Prevention and intervention

Contact precautions in single-bed or multiple-bed rooms for patients with extended-spectrum β -lactamase-producing Enterobacteriaceae in Dutch hospitals: a cluster-randomised, crossover, non-inferiority study. [The Lancet](#)

The washing machine as a reservoir for transmission of extended spectrum beta-lactamase (CTX-M-15)-producing *Klebsiella oxytoca* ST201 in newborns. [Applied and Environmental Microbiology](#)

Antibiotic stewardship based on education: minor impact on knowledge, perception and attitude. [Journal of Infectious Diseases](#)

Preventing Bloodstream Infections and Death in Zambian Neonates: Impact of a Low-cost Infection Control Bundle. [Journal of Antimicrobial Chemotherapy](#)

Microbiology

Expression of *FusC* gene among methicillin resistant *Staph aureus* clinical isolates resistant to fusidic acid, Cairo, Egypt. (letter) [Journal of Infectious Diseases](#)

Reduced sensitivity of vancomycin/ampicillin broth enrichment for the detection of *VanB* positive vancomycin-resistant *Enterococcus faecium* by culture. (letter) [Journal of Infectious Diseases](#)

Other

A governance framework for development and assessment of national action plans on antimicrobial resistance. [The Lancet](#)

Assessment of non-prescription antibiotic dispensing at community pharmacies in China with simulated clients: a mixed cross-sectional and longitudinal study. [The Lancet](#)

Antimicrobial in vitro activities of ceftazidime-avibactam, meropenem-vaborbactam and plazomicin against multidrug-resistant *Acinetobacter baumannii* and *Pseudomonas aeruginosa* – a pilot Bulgarian study. (letter) [Journal of Infectious Diseases](#)

Risk factors for acquiring multi-drug resistant organisms in the intensive care unit: a single-centre study in Mauritius. (letter) [Journal of Infectious Diseases](#)

ECCMID 2020 Abstract submission is now open. [ESCMID](#)

ESCMID Education Programme 2020 is now available. [ESCMID Courses and Workshops](#)

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.