Surveillance

Review of antimicrobial resistance surveillance programmes in livestock and their meat in Europe, with a focus on antimicrobial resistance patterns in humans. *Clinical Microbiology and Infection*

Neonatal intestinal colonization with Extended-Spectrum β-Lactamase-producing Enterobacteriaceae – a five-year follow-up study. *Clinical Microbiology and Infection*

Effect of outpatient antibiotics for urinary tract infections on antimicrobial resistance among commensal Enterobacteriaceae: a multinational prospective cohort study. *Clinical Microbiology and Infection*

Implementation of global antimicrobial resistance surveillance system (GLASS) in patients with bacteremia. *PLoS One*

A fatal outbreak of ST11 carbapenem-resistant hypervirulent Klebsiella pneumoniae in a Chinese hospital: a molecular epidemiological study. *Lancet Infectious Diseases*

A cluster of multidrug-resistant Mycobacterium tuberculosis among patients arriving in Europe from the Horn of Africa: a molecular epidemiological study. *Emerging Infectious Diseases*

Spread of Meropenem-Resistant Streptococcus pneumoniae Serotype 1SA-ST63 Clone in Japan, 2012–2014. *Emerging Infectious Diseases*

Plasmid-Encoded Transferable mecB-Mediated Methicillin Resistance in Staphylococcus aureus. *Emerging Infectious Diseases*

Detection of *mcr-4* positive *Salmonella enterica* serovar Typhimurium in clinical isolates of human origin, Italy, October to November 2016. *Eurosurveillance*

Reporting antimicrobial susceptibilities and resistance phenotypes in Acinetobacter spp: a nationwide proficiency study. *Journal of Antimicrobial Chemotherapy*

Time trend analysis (2009-2016) of antimicrobial susceptibility in Neisseria gonorrhoeae isolated in Italy following the introduction of the combined antimicrobial therapy. *PLoS One*

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*

Italian nationwide survey on *Pseudomonas aeruginosa* from invasive infections: activity of ceftolozane/tazobactam and comparators, and molecular epidemiology of carbapenemase producers. *Journal of Antimicrobial Chemotherapy*
The first report of Japanese antimicrobial use measured by national database based on health insurance claims data (2011-2013): comparison with sales data, and trend analysis stratified by antimicrobial category and age group. *Infection*


Antimicrobial Drug Resistance in Blood Culture Isolates at a Tertiary Hospital, Uganda. *Emerging Infectious Diseases*

Elevated antibiotic resistance of Sudanese urinary tract infection bacteria. *Experimental and Clinical Sciences*

**Treatment and diagnosis**

Association of Broad- vs Narrow-Spectrum Antibiotics With Treatment Failure, Adverse Events, and Quality of Life in Children With Acute Respiratory Tract Infections. *JAMA*

Colistin exposure as a risk factor for infections caused by inherently colistin resistant Enterobacteriaceae – a case control study. *Clinical Microbiology and Infection*

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*

Prolonged versus short-term intravenous infusion of antipseudomonal β-lactams for patients with sepsis: a systematic review and meta-analysis of randomised trials. *Lancet Infectious Diseases*

Mini-Fecal Microbiota Transplantation for Treatment of Clostridium difficile Proctitis Following Total Colectomy. *Clinical Infectious Diseases*

Impact of Systemic Antibiotics on Staphylococcus aureus Colonization and Recurrent Skin Infection. *Clinical Infectious Diseases*

Comparing the Outcomes of Adults With Enterobacteriaceae Bacteremia Receiving Short-Course Versus Prolonged-Course Antibiotic Therapy in a Multicenter, Propensity Score—Matched Cohort. *Clinical Infectious Diseases*

Colistin Versus Ceftazidime-Avibactam in the Treatment of Infections Due to Carbapenem-Resistant Enterobacteriaceae. *Clinical Infectious Diseases*

Use of Monte Carlo simulation to evaluate the efficacy of tigecycline and minocycline for the treatment of pneumonia due to carbapenemase-producing *Klebsiella pneumoniae*. *Infectious Diseases*


Intravenous colistin combination antimicrobial treatment versus monotherapy: a systematic review and meta-analysis. *International Journal of Antimicrobial Resistance*

Durability and Long-Term Clinical Outcomes of Fecal Microbiota Transplant (FMT) Treatment in Patients with Recurrent *Clostridium difficile* Infection. *Clinical Microbiology and Infection*

Ceftazidime-avibactam versus meropenem in nosocomial pneumonia, including ventilator-associated pneumonia (REPROVE): a randomised, double-blind, phase 3 non-inferiority trial. *Lancet Infectious Diseases*
Extended-pulsed fidaxomicin versus vancomycin for Clostridium difficile infection in patients 60 years and older (EXTEND): a randomised, controlled, open-label, phase 3b/4 trial. *Lancet Infectious Diseases*

Adjunctive rifampicin provided no overall benefit over standard antibiotic therapy in adults with *S. aureus* bacteraemia. *Lancet*

Treatment outcome of non-carbapenemase-producing carbapenem-resistant *Klebsiella pneumoniae* infections: a multicenter study in Taiwan. *European Journal of Clinical Microbiology & Infectious Diseases*


Evaluating the risk factors for hospital-onset *Clostridium difficile* infections in a large healthcare system. *Clinical Infectious Diseases*

Pharmacokinetics and Pharmacodynamics of Antimicrobials in Critically Ill Patients. *Surgical Infections*

**Prevention and intervention**

Study protocol for One Health data collections, analyses and intervention of the Sino-Swedish integrated multisectoral partnership for antibiotic resistance containment (IMPACT). *BMJ*

Are infection specialists recommending short antibiotic treatment durations? An ESCMID international cross-sectional survey. *Journal of Antimicrobial Chemotherapy*

Improving Time to Antibiotic Administration for Bone Marrow Transplant Patients With First Fever. *Pediatrics*

Comparing a single-day swabbing regimen with an established 3-day protocol for MRSA decolonization control. *Clinical Microbiology and Infection*

Duration of Contact Precautions for Acute-Care Settings. *Infection Control & Hospital Epidemiology*

Impact of real-time notification of *Clostridium difficile* test results and early initiation of effective antimicrobial therapy. *American Journal of Infection Control*

Evaluation of the Use of Novel Biomarkers to Augment Antimicrobial Stewardship Program Activities. *Pharmacotherapy*

Use of a Penicillin Allergy Screening Algorithm and Penicillin Skin Testing for Transitioning Hospitalized Patients to First-Line Antibiotic Therapy. *Journal of Allergy and Clinical Immunology*

Disease-based antimicrobial stewardship: a review of active and passive approaches to patient management. *Journal of Antimicrobial Chemotherapy*

General practitioner and nurse prescriber experiences of prescribing antibiotics for respiratory tract infections in UK primary care out-of-hours services (the UNITE study). *Journal of Antimicrobial Chemotherapy*

Pharmacist participation in antimicrobial stewardship in Australian and French hospitals: a cross-sectional nationwide survey. *Journal of Antimicrobial Chemotherapy*

Use of a structured panel process to define antimicrobial prescribing appropriateness in critical care. *Journal of Antimicrobial Chemotherapy*

How to: Surveillance of *Clostridium difficile* infections. *Clinical Microbiology and Infection*
Monitoring adherence to guidelines of antibiotic use in pediatric pneumonia: the MAREA study. *Italian Journal of Pediatrics*

Automatic infectious disease consultant alert is associated with decreased mortality and readmission rate in *Staphylococcus aureus* bacteremia. *Läkartidningen*

**Microbiology**

Antimicrobial susceptibility testing of *colistin* – evaluation of seven commercial MIC products against standard broth microdilution for *Escherichia coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa* and *Acinetobacter* spp. *Clinical Microbiology and Infection*

Direct identification of clinical pathogens from liquid culture media by MALDI-TOF MS analysis. *Clinical Microbiology and Infection*

Activity of *ceftazidime/avibactam* against problem *Enterobacteriaceae* and *Pseudomonas aeruginosa* in the UK, 2015–16. *Journal of Antimicrobial Chemotherapy*

*In vitro* activity of *ceftolozane/tazobactam* versus antimicrobial non-susceptible *Pseudomonas aeruginosa* clinical isolates including MDR and XDR isolates obtained from across Canada as part of the CANWARD study, 2008–16. *Journal of Antimicrobial Chemotherapy*

**Other**

Microbiological factors affecting *Clostridium difficile* recurrence. *Clinical Microbiology and Infection*

Semi-mechanistic pharmacokinetic-pharmacodynamic modelling of antibiotic drug combinations. *Clinical Microbiology and Infection*

Assessment and Modeling of Antibacterial Combination Regimens. *Clinical Microbiology and Infection*

Pharmacodynamics of fosfomycin against ESBL- and/or carbapenemase-producing *Enterobacteriaceae*. *Journal of Antimicrobial Chemotherapy*

Stool Microbiota at Neutrophil Recovery Is Predictive for Severe Acute Graft vs Host Disease After Hematopoietic Cell Transplantation. *Journal of Antimicrobial Chemotherapy*

Noncarbapenem β-Lactams for the Treatment of Extended-Spectrum β-Lactamase Infections: What Are the Remaining Drugs Outside the United States? *Clinical Infectious Diseases*

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.