



# Infection Current Awareness Update

15/07/2024

Welcome to the weekly **Infection Current Awareness Update** (ICAU), produced by **UKHSA Knowledge and Library Services**. The purpose of this update is to provide you with the latest, best evidence about infection, to help you make informed decisions.

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- [Nature Reviews Microbiology](#)
- [NEJM Journal Watch: Infectious Diseases](#)

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## Infection-related guidance

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### European Centre for Disease Prevention and Control

#### 1. [Communicable disease threats report, 6–12 July 2024, Week 28](#)

*12-07-2024 - European Centre for Disease Prevention and Control: ECDC (Europa)*

This issue of the ECDC Communicable Disease Threats Report (CDTR) covers the period 6–12 July 2024 and includes updates on imported Oropouche human infections, Seasonal surveillance of West Nile virus infections, Locally acquired dengue, Yersinia enterocolitica, Cholera, Overview of respiratory virus epidemiology in the EU/EEA, Influenza A(H5N1), Mass gathering monitoring, ... [Read more...](#)

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### Infectious Diseases Society of America

#### 1. [IDSA Advocacy Delivers Significant Victory for ID in Proposed Medicare Fee Schedule](#)

*11-07-2024 - Infectious Diseases Society of America (IDSA)*

The Centers for Medicare and Medicaid Services released its calendar year 2025 Medicare Physician Fee Schedule Proposed Rule July 10, including a new “add-on” code for infectious diseases developed and advocated for by IDSA. [Read more...](#)

#### 2. [IDSA Releases New Guidelines for Complicated Intra-Abdominal Infections](#)

*11-07-2024 - Infectious Diseases Society of America (IDSA)*

The Infectious Diseases Society of America has released new guidelines on complicated intra-abdominal infections in children, adults and pregnant people. [Read more...](#)

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## Infection-related journals

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### American Journal of Infection Control

#### 1. [Evaluation of the Adherence to Surgical Antibiotic Prophylaxis Recommendations and Associated Factors in a University Hospital: a Cross-sectional Study](#)

*10-07-2024 - Elsevier*

Surgical antibiotic prophylaxis (SAP) is an important preventive measure, aiming to minimize surgical site infections. However, despite evidence-based guidelines, adherence to SAP protocols remains suboptimal in clinical practice. The aim of this study was to assess the adequacy of SAP in a high-complexity hospital and investigate associated factors. [Read more...](#)

## 2. The Efficacy of an Alcohol-based Nasal Antiseptic versus Mupirocin or Iodophor for Preventing Surgical Site Infections - A Meta-analysis

08-07-2024 - Elsevier

Nasal decolonization of Staphylococcus aureus is a proven strategy to reduce surgical site infections (SSI). Recently updated guidelines expanded nasal decolonization beyond traditionally high-risk populations to include the option for alcohol-based antiseptics (ABA). We assessed the efficacy of a novel ABA for reducing SSI compared to mupirocin and iodophor. [Read more...](#)

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## Clinical Infectious Diseases

### 1. Immunogenicity, safety, and efficacy of a tetravalent dengue vaccine in children and adolescents: an analysis by age group

12-07-2024 - Oxford University Press

No major differences in immunogenicity, safety, or efficacy of TAK-003 were evident by age group. These data support the use of TAK-003 in children and adolescents. [Read more...](#)

### 2. Comparison of the 2015 and 2023 European Society of Cardiology versions of the Duke criteria among patients with suspected infective endocarditis

12-07-2024 - Oxford University Press

Among 3127 episodes of suspected infective endocarditis (IE), the 2023 Duke-ESC clinical criteria showed higher sensitivity (69%) compared to 2015 Duke-ESC (59%) criteria for IE diagnosis their specificity was comparable (98% and 99%, respectively). [Read more...](#)

### 3. Challenges for novel antiretroviral development in an era of widespread TLD availability

11-07-2024 - Oxford University Press

Generic TDF/XTC/DTG will soon be available worldwide. We present eight key benchmarks which novel ART will therefore need to meet in order to compete for widespread use. We demonstrate that several new and developmental regimens do not meet these benchmarks. [Read more...](#)

### 4. Factors associated with unfavourable treatment outcomes among persons with Pulmonary Tuberculosis: a multicentric prospective cohort study from India

11-07-2024 - Oxford University Press

[Read more...](#)

### 5. Critical Insights into the Effectiveness and Safety of TAF and TDF in Preventing HBV Mother-to-Child Transmission

10-07-2024 - Oxford University Press

[Read more...](#)

### 6. Novel Approach: Maternal TAF Prophylaxis to Prevent HBV Transmission

10-07-2024 - Oxford University Press

[Read more...](#)

### 7. Effects of Losartan on Patients Hospitalized for Acute Coronavirus Disease 2019: A Randomized Controlled Trial

10-07-2024 - Oxford University Press

Angiotensin receptor blockers (ARBs) should not be used for the treatment of acute COVID-19 infections due to safety concerns. ARBs should be used cautiously in patients hospitalized with pneumonia. [Read more...](#)

## 8. Treatment Outcomes Among Patients With a Positive Culture Close to Randomization Receiving Rezafungin or Caspofungin in the ReSTORE Study

10-07-2024 - Oxford University Press

This pre-planned subgroup analysis of the ReSTORE trial supports rezafungin efficacy and safety versus caspofungin for the treatment of candidemia and/or invasive candidiasis in patients with a positive culture close to randomization, who may represent patients with more serious infections. [Read more...](#)

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## Clinical Microbiology Reviews

### 1. Intestinal biofilms: pathophysiological relevance, host defense, and therapeutic opportunities

12-07-2024 - American Society for Microbiology

Clinical Microbiology Reviews, Ahead of Print. [Read more...](#)

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## Current Opinion in Microbiology

### 1. Quantifying microbial interactions: concepts, caveats, and applications

14-07-2024 - ScienceDirect

Publication date: August 2024 Source: Current Opinion in Microbiology, Volume 80 Author(s): Nittay Meroz, Tal Livny, Jonathan Friedman [Read more...](#)

### 2. Epithelial responses to fungal pathogens

10-07-2024 - ScienceDirect

Publication date: August 2024 Source: Current Opinion in Microbiology, Volume 80 Author(s): Kathleen A M Mills, Mariano A Aufiero, Tobias M Hohl [Read more...](#)

### 3. Are microbes colimited by multiple resources?

10-07-2024 - ScienceDirect

Publication date: August 2024 Source: Current Opinion in Microbiology, Volume 80 Author(s): Noelle A Held, Michael Manhart [Read more...](#)

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## Current Opinion in Virology

### 1. Oncogenic Animal Herpesviruses

09-07-2024 - ScienceDirect

Publication date: August 2024 Source: Current Opinion in Virology, Volume 67 Author(s): Hafiz S Zafar, Haji Akbar, Huai Xu, Nagendraprabhu Ponnuraj, Kathrine Van Etten, Keith W Jarosinski [Read more...](#)

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## Diagnostic Microbiology and Infectious Disease

### 1. A Case Report of Acute Q Fever with Low-Read Detection of Coxiella burnetii Genome by Next-Generation Metagenomic Sequencing

14-07-2024 - ScienceDirect

Publication date: Available online 14 July 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Xianglin Wu, Aohong Xu, Feng Tian, Juhong Yang, Liekun Lin, Mingzhu Zhai, Benqing Wu, Yi Zheng [Read more...](#)

## 2. Emerging Challenges: An imported case of *Leishmania mexicana* with *Pseudomonas aeruginosa* superinfection

14-07-2024 - *ScienceDirect*

Publication date: Available online 14 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Jorge Liger-López, Pablo Villagrasa-Boli, Elena Bularca, Aránzazu Portillo, José A. Oteo, Beatriz López-Alonso, Víctor Antón-Berenguer, Antonio Beltrán-Rosel [Read more...](#)

## 3. Global Research on Keratomycosis: New Insights from Latent Dirichlet Allocation and HJ-Biplot-driven Knowledge Mapping Study

14-07-2024 - *ScienceDirect*

Publication date: Available online 14 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Julia Patricia Duran-Ospina, Javier de la Hoz-M, Naga Raju Maddela, German Josuet Lapo-Talledo, Aline Siteneski, Karime Montes-Escobar [Read more...](#)

## 4. Recapitulating COVID-19 detection methods: RT-PCR, sniffer dogs and electronic nose

14-07-2024 - *ScienceDirect*

Publication date: September 2024  
Source: Diagnostic Microbiology and Infectious Disease, Volume 110, Issue 1  
Author(s): Fabio Grizzi, Carmen Bax, Floriana Maria Farina, Lorenzo Tidu, Mohamed A.A.A. Hegazi, Maurizio Chiriva-Internati, Laura Capelli, Stefano Robbiani, Raffaele Dellacà, Gianluigi Taverna [Read more...](#)

## 5. Prevalence of HPV16 L1 protein in oral biopsies: A diagnostic study from Ecuador

12-07-2024 - *ScienceDirect*

Publication date: Available online 11 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Thainah Bruna Santos Zambrano, Solange de Paula Ramos, Nataly Barreiro Mendoza, Ximena Sayonara Guillén Vivas, Bianca Gonçalves Dias, Naga Raju Maddela [Read more...](#)

## 6. Evaluation of the DxU 850m Iris automated urine microscopy analyzer for identifying culture-negative urine samples: From a perspective of reducing urine culture number

12-07-2024 - *ScienceDirect*

Publication date: Available online 11 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Kristian Stærk, Ziyap Acar, Jan Berg Gertsen, Ulrik S. Justesen [Read more...](#)

## 7. Evaluation of Quantamatrix dRASTTM system for rapid antimicrobial susceptibility testing of bacterial isolates from positive blood cultures, in comparison with commercial Micronaut broth microdilution system

12-07-2024 - *ScienceDirect*

Publication date: Available online 11 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Fabio Morecchiato, Marco Coppi, Chiara Chilleri, Alberto Antonelli, Tommaso Gianini, Gian Maria Rossolini [Read more...](#)

## 8. In vitro antimicrobial activity of doxycycline, minocycline, and tigecycline against *Mycobacterium abscessus* complex: a meta-analysis study

12-07-2024 - *ScienceDirect*

Publication date: Available online 11 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Weihe Zhang, Lingling Dong, Peixuan Men, Guanglu Jiang, Fen Wang, Congli Wang, Mengli Cheng, Hairong Huang, Xia Yu [Read more...](#)

## 9. Development and Evaluation of High-Resolution Melting Assays for Direct and Simultaneous Pathogen Identification in Bloodstream Infections in Pediatric Oncology Patients

11-07-2024 - ScienceDirect

Publication date: Available online 10 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Andre van Helvoort Lengert, Tiago Alexandre Tassinari, Aline Taisa de Oliveira Lourenço, Kamila Chagas Peronni, Paulo de Tarso Oliveira e Castro, Jaqueline Estetele Massuco Pereira, Luiz Fernando Lopes, Matias Eliseo Melendez [Read more...](#)

### 10. Antibody responses post-booster COVID-19 vaccination: Insights from a single-center prospective cohort study

10-07-2024 - ScienceDirect

Publication date: Available online 9 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Harika-Öykü DİNÇ, Günay CAN, Beyhan BUDAK, Ferhat-Osman Daşdemir, Elif Keskin, Hayriye KIRKOYUN-UYSAL, Okan AYDOĞAN, İlker-İnanç BALKAN, Rıdvan KARAALİ, Sevgi ERGİN, Neşe SALTOĞLU, Bekir KOCAZEYBEK [Read more...](#)

### 11. An outbreak of severe or lethal infections by a multidrug-resistant *Acinetobacter baumannii* ST126 strain carrying a plasmid with blaNDM-1 and blaOXA-58 carbapenemases

09-07-2024 - ScienceDirect

Publication date: Available online 8 July 2024  
Source: Diagnostic Microbiology and Infectious Disease  
Author(s): Karla Gutiérrez, Ana Vásquez-Mendoza, César Rodríguez [Read more...](#)

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## Emerging Infectious Diseases Journal - CDC

### 1. Standardized Phylogenetic Classification of Human Respiratory Syncytial Virus Below the Subgroup Level

11-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

S. Goya et al. [Read more...](#)

### 2. Loop-Mediated Isothermal Amplification Assay to Detect Invasive Malaria Vector *Anopheles stephensi* Mosquitoes

10-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

C. Rafferty et al. [Read more...](#)

### 3. Wastewater Surveillance to Confirm Differences in Influenza A Infection between Michigan, USA, and Ontario, Canada, September 2022–March 2023

10-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

R. Corchis-Scott et al. [Read more...](#)

### 4. Phylogeographic Analysis of *Mycobacterium kansasii* Isolates from Patients with *M. kansasii* Lung Disease in Industrialized City, Taiwan

10-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

P. Tobias Cudahy et al. [Read more...](#)

### 5. SARS-CoV-2 Seropositivity in Urban Population of Wild Fallow Deer, Dublin, Ireland, 2020–2022

10-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

K. Purves et al. [Read more...](#)

### 6. Potential of Pan-Tuberculosis Treatment to Drive Emergence of Novel Resistance

10-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

C. McQuaid et al. [Read more...](#)

**7. Novel Genotypes of Highly Pathogenic Avian Influenza H5N1 Clade 2.3.4.4b Viruses, Germany, November 2023**

10-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

A. Ahrens et al. [Read more...](#)

**8. Multiplex Dual-Target Reverse Transcription PCR for Subtyping Avian Influenza A(H5) Virus**

10-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

M. K. Sahoo et al. [Read more...](#)

**9. Metagenomic Detection of Bacterial Zoonotic Pathogens among Febrile Patients, Tanzania, 2007–2009**

10-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

R. J. Rolfe et al. [Read more...](#)

**10. Transmission and Surveillance of Rat Hepatitis E Virus in Swine**

10-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

M. Bezerra et al. [Read more...](#)

**11. Fecal Microbiota Transplantation for Severe Infant Botulism, China**

10-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

C. Fan et al. [Read more...](#)

**12. Detection of Nucleocapsid Antibodies Associated with Primary SARS-CoV-2 Infection in Unvaccinated and Vaccinated Blood Donors**

09-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

E. Grebe et al. [Read more...](#)

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## European Journal of Clinical Microbiology and Infectious Disease

**1. Development and validation of nomogram for predicting the risk of transferring to the ICU for children with influenza**

13-07-2024 - *Springer*

[Read more...](#)

**2. Multicenter study on clinical outcomes and poor prognostic factors in patients with *Klebsiella pneumoniae* bacteremia receiving cefoperazone/sulbactam treatment**

12-07-2024 - *Springer*

[Read more...](#)

**3. Antimicrobial susceptibility profile of ceftolozane/tazobactam, ceftazidime/avibactam and cefiderocol against carbapenem-resistant *Pseudomonas aeruginosa* clinical isolates from Türkiye**

12-07-2024 - *Springer*

[Read more...](#)

**4. Sequencing a CC239-MRSA-III with a novel composite SCC mec element from Kuwait**

11-07-2024 - *Springer*

[Read more...](#)

## 5. Epidemiology of biliary tract-associated bloodstream infections and adequacy of empiric therapy: an Australian population-based study

10-07-2024 - Springer

[Read more...](#)

## 6. Clinical relevance of *Pseudomonas aeruginosa* viable but non-culturable forms in cystic fibrosis

08-07-2024 - Springer

[Read more...](#)

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# Eurosurveillance

## 1. Pathogen prioritisation for wastewater surveillance ahead of the Paris 2024 Olympic and Paralympic Games, France

11-07-2024 - Eurosurveillance

Background Wastewater surveillance is an effective approach to monitor population health, as exemplified by its role throughout the COVID-19 pandemic. Aim This study explores the possibility of extending wastewater surveillance to the Paris 2024 Olympic and Paralympic Games, focusing on identifying priority pathogen targets that are relevant and feasible to monitor in wastewater for these events. [Read more...](#)

## 2. The impact of the COVID-19 vaccination programme on symptomatic and severe SARS-CoV-2 infection during a period of Omicron variant dominance in Ireland, December 2021 to March 2023

11-07-2024 - Eurosurveillance

Background As Ireland prepared for an autumn 2023 COVID-19 vaccination booster campaign, there was concern that vaccine fatigue would affect uptake, which has been abating. Aim This study aimed to quantify the direct impact of the COVID-19 vaccination programme in Ireland on averted COVID-19-related outcomes including symptomatic presentations to primary care/community testing centres, ... [Read more...](#)

## 3. Marked increase in cryptosporidiosis cases, Spain, 2023

11-07-2024 - Eurosurveillance

Background By mid-September 2023, several event notifications related to cryptosporidiosis had been identified from different regions in Spain. Therefore, a request for urgent notification of cryptosporidiosis cases to the National Surveillance Network was launched. Aim We aimed at assessing the extent of the increase in cases, the epidemiological characteristics and the transmission modes ... [Read more...](#)

## 4. Evaluation of the sensitivity of a measles diagnostic real-time RT-PCR assay incorporating recently observed priming mismatch variants, 2024

11-07-2024 - Eurosurveillance

We investigated a variant of measles virus that encodes three mismatches to the reverse priming site for a widely used diagnostic real-time RT-PCR assay reduction of sensitivity was hypothesised. We examined performance of the assay in context of the variant using in silico data, synthetic RNA templates and clinical specimens. Sensitivity was reduced observed at low copy numbers for templates ... [Read more...](#)

## 5. First detection of a *Mycobacterium tuberculosis* XDR clinical isolate harbouring an RpoB I491F mutation in a Ukrainian patient treated in Germany, October 2023

11-07-2024 - Eurosurveillance

This report documents the case of a Ukrainian patient infected with an extensively drug-resistant (XDR) lineage 2 *Mycobacterium tuberculosis* strain harbouring the rifampicin resistance mutation RpoB I491F.



This mutation is not detected by routine molecular WHO-recommended rapid diagnostics, complicating the detection and treatment of these strains. The occurrence of such mutations underscores ... [Read more...](#)

## 6. Nosocomial transmission of tet(x3), blaNDM-1 and blaOXA-97-carrying Acinetobacter baumannii conferring resistance to eravacycline and omadacycline, the Netherlands, March to August 2021

11-07-2024 - *Eurosurveillance*

Carbapenem-resistant Acinetobacter baumannii (CRAb) is an important pathogen causing serious nosocomial infections. We describe an outbreak of CRAb in an intensive care unit in the Netherlands in 2021. During an outbreak of non-resistant A. baumannii, while infection control measures were in place, CRAb isolates carrying highly similar blaNDM-1- and tet(x3)-encoding plasmids were isolated ... [Read more...](#)

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## Infection

### 1. Assessing ChatGPT's theoretical knowledge and prescriptive accuracy in bacterial infections: a comparative study with infectious diseases residents and specialists

12-07-2024 - *Springer*

[Read more...](#)

### 2. Clinical outcomes of carbapenem-resistant gram-negative bacterial bloodstream infection in patients with end-stage renal disease in intensive care units: a multicenter retrospective observational study

12-07-2024 - *Springer*

[Read more...](#)

### 3. Clinical and microbiological features of positive blood culture episodes caused by non-fermenting gram-negative bacilli other than Pseudomonas and Acinetobacter species (2020–2023)

11-07-2024 - *Springer*

[Read more...](#)

### 4. First report of Shigella sonnei carrying a bla CTX-M-15 sexually transmitted among men who have sex with men

10-07-2024 - *Springer*

[Read more...](#)

### 5. Assessment of three criteria to establish borrelial infection in suspected lyme neuroborreliosis

09-07-2024 - *Springer*

[Read more...](#)

### 6. Innovative teaching in infection prevention and control and infectious diseases education: testing and investigation of student perceptions

09-07-2024 - *Springer*

[Read more...](#)

### 7. Prevalence of intestinal protozoan parasites among Asian schoolchildren: a systematic review and meta-analysis

09-07-2024 - *Springer*

[Read more...](#)

## 8. Reply to: Differential diagnosis between Kaposi sarcoma-associated herpesvirus cytokine syndrome and hemophagocytic lymphohistiocytosis

08-07-2024 - Springer

[Read more...](#)

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## International Journal of Infectious Diseases

### 1. Polymicrobial bloodstream infection involving *Oligella urethralis* and *Trueperella bernardiae*: a case report and literature review

14-07-2024 - ScienceDirect

Publication date: Available online 14 July 2024 Source: International Journal of Infectious

Diseases Author(s): Kazuhiro Itoh, Atsushi Kuwata, Hiroshi Tsutani, Yasuhiko Mitsuke, Hiromichi Iwasaki

[Read more...](#)

### 2. A fatal case of peritonitis caused by *Dysgonomonas capnocytophagoideis* harboring the novel metallo-beta-lactamase gene blaDYB-1

14-07-2024 - ScienceDirect

Publication date: Available online 14 July 2024 Source: International Journal of Infectious

Diseases Author(s): Kazuo Imai, Masahiro Kodana, Ryuha Omachi, Tsutomu Inoue, Hirokazu Okada, Takuya Maeda [Read more...](#)

### 3. Incidence and mortality rates of 14 site-specific infectious diseases in 10 diverse areas of China: findings from China Kadoorie Biobank, 2006-2018

11-07-2024 - ScienceDirect

Publication date: Available online 11 July 2024 Source: International Journal of Infectious

Diseases Author(s): Rui Huang, Christiana Kartsonaki, Iain Turnbull, Pei Pei, Yiping Chen, Jingchao Liu, Huaidong Du, Dianjianyi Sun, Ling Yang, Maxim Barnard, Jun Lv, Canqing Yu, Junshi Chen, Liming Li, Zhengming Chen, Fiona Bragg [Read more...](#)

### 4. "Risk factors for tuberculosis among close IGRA-negative contacts of persons with infectious tuberculosis in Singapore"

10-07-2024 - ScienceDirect

Publication date: Available online 9 July 2024 Source: International Journal of Infectious Diseases Author(s):

Isabel Tavitian-Exley, Win Mar Kyaw, Lim Leo Kang-Yang, Kelly Foo, Irving Charles Boudville, Jeffery Lawrence Cutter, Deborah Hee Ling Ng [Read more...](#)

### 5. Immunogenicity, reactogenicity and safety of a second booster with BNT162b2 or full-dose mRNA-1273: a randomised VACCELERATE trial in adults $\geq 75$ years (EU-COVAT-1-AGED Part B)

10-07-2024 - ScienceDirect

Publication date: Available online 9 July 2024 Source: International Journal of Infectious Diseases Author(s):

Jannik Stemler, Lusine Yeghiazaryan, Christoph Stephan, Kristin Greve-Isdahl Mohn, Antonio-José Carcas-Sansuan, Esperanza Romero Rodriguez, José Moltó, Itziar Vergara Mitxeltona, Tobias Welte, Biruté Zablockienė, Murat Akova, Ullrich Bethe, Sarah Heringer, Jon Salmanton-García, ... [Read more...](#)

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## Journal of Clinical Microbiology

### 1. IgM tests for detecting *Treponema pallidum* infection in newborns: time to establish a reference comparator

11-07-2024 - American Society for Microbiology

Journal of Clinical Microbiology, Ahead of Print. [Read more...](#)

## 2. Divergent effects of emm types 1 and 12 on invasive group A streptococcal infections—results of a retrospective cohort study, Germany 2023

11-07-2024 - American Society for Microbiology

Journal of Clinical Microbiology, Ahead of Print. [Read more...](#)

## 3. Development and implementation of a core genome multilocus sequence typing scheme for *Yersinia enterocolitica*: a tool for surveillance and outbreak detection

11-07-2024 - American Society for Microbiology

Journal of Clinical Microbiology, Ahead of Print. [Read more...](#)

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# Journal of Hospital Infection

## 1. The CATERPILLAR-study: An assessor blinded randomized controlled trial comparing a taurolidine-citrate-heparin lock solution to a heparin-only lock solution for the prevention of central-line associated bloodstream infections in paediatric oncology patients.

13-07-2024 - Journal of Hospital Infection

Taurolidine-citrate(-heparin) lock solutions (TCHL) are suggested as a promising and safe method for the prevention of central line-associated bloodstream infections (CLABSI). [Read more...](#)

## 2. Temporal evolution of bacterial species and their antimicrobial resistance characteristics in wound infections of war-related injuries in Ukraine from 2014 to 2023

10-07-2024 - Journal of Hospital Infection

This study continues surveillance of antimicrobial resistance associated with combat injuries in Ukraine. [Read more...](#)

## 3. Risk factors for infection in patients undergoing knee arthroscopy: A Systematic Review and Meta-analysis

09-07-2024 - Journal of Hospital Infection

The primary aim was to determine the risk of infection after knee arthroscopy and to evaluate the risk factors for surgical site infection (SSI). [Read more...](#)

## 4. The effects of chlorhexidine, povidone-iodine, and vancomycin on growth and biofilms of pathogens that cause prosthetic joint infections: an in vitro model

09-07-2024 - Journal of Hospital Infection

Chlorhexidine gluconate (CHG) and povidone-iodine (PI) are commonly used to prevent prosthetic joint infection (PJI) during total joint replacement however, their effective concentrations and impact on biofilms are not well defined. [Read more...](#)

## 5. Comparison of methods for sampling and detection of carbapenemase-producing organisms in clinical hand wash basin drains in healthcare

09-07-2024 - Journal of Hospital Infection

There are currently no standardised methods for the sampling and testing of clinical hand wash basin (HWB) samples for the detection of carbapenemase-producing organisms (CPO). Methods of sampling (drain aspirate versus swab from top of drain) and detection of CPO in clinical HWB drains in two different healthcare settings, one which was dealing with a hospital wide outbreak of CPO (hospital ... [Read more...](#)

## 6. A microbiological survey approach to understanding the virulence factors of *Pseudomonas* species in healthcare sinks

09-07-2024 - *Journal of Hospital Infection*

Hospital water is involved in both the prevention and spread of healthcare associated infections (HCAI). Handwashing is key to reducing the transmission of pathogens, yet numerous outbreaks have been found to be caused by organisms within sinks, taps, and showers. *Pseudomonas aeruginosa* and increasingly non-aeruginosa *Pseudomonas* cause waterborne HCAI, however, ... [Read more...](#)

## 7. Infection Control in Conflict Zones: Practical Insights from Recent Medical Missions to Gaza

09-07-2024 - *Journal of Hospital Infection*

Our recent medical mission trips to the Gaza European Hospital (EGH) in Khan Younis (April 3-April 15 April 29-May 20) have revealed a dire need for improved infection control measures to mitigate the spread of infectious disease. Infection control in Gaza is severely compromised due to the lack of sterile conditions [1]. Basic necessities such as sterile gloves in appropriate sizes are often ... [Read more...](#)

## 8. Evaluation of novel disinfection methods for the remediation of heavily contaminated TMVs and water systems with *Pseudomonas aeruginosa* biofilm: considerations for new and existing healthcare water systems

09-07-2024 - *Journal of Hospital Infection*

*Pseudomonas aeruginosa* is a leading cause of nosocomial Gram-negative bacteraemia. Water systems are a well-documented source of *P. aeruginosa* and established biofilms are difficult to remove. [Read more...](#)

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# Journal of Infection

## 1. Detection of *Bordetella* spp. in children with pertussis-like illness from 2018 to 2024 in China

11-07-2024 - *Elsevier*

To evaluate the role of *Bordetella pertussis* (*B. pertussis*), *B. parapertussis*, *B. holmesii*, and *B. bronchiseptica* on pertussis resurgence in China, particularly the sharp rise since the latest winter. [Read more...](#)

## 2. The impact of Covid-19 vaccine spring boosters on Covid-19 hospital admissions in England 2022/23

10-07-2024 - *Elsevier*

In the spring of 2022 and 2023 Covid-19 vaccine boosters were recommended for those aged  $\geq 75$  years in England as well as those in an immunosuppression risk group. The aim was to reduce severe Covid-19 disease in these groups. [Read more...](#)

## 3. Effectiveness and duration of protection of primary and booster immunisation against meningococcal serogroup C disease with meningococcal conjugate C and ACWY vaccines: Systematic review

10-07-2024 - *Elsevier*

To estimate vaccine effectiveness (VE) and duration of protection of single primary and booster immunisation with meningococcal C (MenC) and ACWY (MenACWY) conjugate vaccines in preventing MenC invasive meningococcal disease (IMD). [Read more...](#)

## 4. Identification of a complex second-generation HIV-1 circulating recombinant form (CRF158\_0107) among men who have sex with men in China

09-07-2024 - *Elsevier*

Dear Editor, [Read more...](#)

## 5. Risk for latent tuberculosis infection reactivation among patients with psoriasis on biologics treatment: A meta-analysis

08-07-2024 - Elsevier

Dear Editor, [Read more...](#)

## 6. Vaccine effectiveness and impact of meningococcal vaccines against gonococcal infections: A systematic review and meta-analysis

08-07-2024 - Elsevier

To systematically review and synthesis the evidence of vaccine effectiveness (VE) and impact (VI) of meningococcal vaccines in preventing gonorrhoea. [Read more...](#)

## 7. Conflict and catastrophe-related severe burn injuries: a challenging setting for antimicrobial decision making

08-07-2024 - Elsevier

Severe burns are a major component of conflict-related injuries and can resort in high rates of mortality. Conflict and disaster-related severe burns injuries present unique challenges in logistic, diagnostic and treatment options while wider conflict is associated with driving local antimicrobial resistance. We present a targeted review of available literature over the last 10 years on use ... [Read more...](#)

## 8. Epidemiological trends in viral meningitis in England: prospective national surveillance, 2013-2023

08-07-2024 - Elsevier

In the conjugate vaccine era, viruses are the most common cause of meningitis. Here, we evaluated epidemiological trends in laboratory-confirmed viral meningitis across all age-groups over an 11-year period in England. [Read more...](#)

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# Journal of Medical Microbiology

## 1. A high-throughput assay identifies molecules with antimicrobial activity against persister cells

12-07-2024 - Microbiology Society

Introduction. Persister cells are transiently non-growing antibiotic-tolerant bacteria that cause infection relapse, and there is no effective antibiotic therapy to tackle these infections. Gap statement. High-throughput assays in drug discovery are biased towards detecting drugs that inhibit bacterial growth rather than killing non-growing bacteria. A new and simple assay to discover such ... [Read more...](#)

## 2. Measles outbreak in 2019: a warning for the post-COVID-19 pandemic period

12-07-2024 - Microbiology Society

Introduction. At the end of 2019 and the year before, there was a significant spread of measles in the World Health Organization (WHO) European Region. Gap statement. Among the countries that reported, a measles outbreak was Bosnia and Herzegovina (BiH). Aim. To describe the measles outbreak in BiH (an entity of the Federation of BiH, FBiH) in 2019. Methodology. [Read more...](#)

## 3. Transient reemergence of *Bordetella parapertussis* in France in 2022

12-07-2024 - Microbiology Society

Between March and October 2022, a peak of detection of *Bordetella parapertussis* by qPCR, real-time PCR was observed in France. Hypothesis/Gap Statement. Whether this peak was due to resurgence from previous circulating lineages or reintroduction into the country was unknown. Objective. The objective of this study is to understand *B. parapertussis*-transient increase observed in France in 2022 ... [Read more...](#)

#### 4. Cold atmospheric plasma inactivates *Aspergillus flavus* and *Fusarium keratoplasticum* biofilms and conidia in vitro

10-07-2024 - Microbiology Society

Introduction. *Aspergillus flavus* and *Fusarium keratoplasticum* are common causative pathogens of fungal keratitis (FK), a severe corneal disease associated with significant morbidity and vision loss. Escalating incidence of antifungal resistance to available antifungal drugs poses a major challenge to FK treatment. Cold atmospheric plasma (CAP) is a pioneering nonpharmacologic antimicrobial ... [Read more...](#)

#### 5. Enrichment culture evaluation and characterization of *Streptococcus agalactiae* among pregnant women in Japan

10-07-2024 - Microbiology Society

Introduction. Maternal screening tests and prophylactic antibiotics are important to prevent neonatal and infant group B streptococcal (GBS) infections. Hypothesis/Gap Statement. The performance of enrichment broth media for GBS screening that are available in Japan is unclear. Whole-genome data of GBS isolates from pregnant women in Japan is lacking. Aim. The aim of this study was to compare ... [Read more...](#)

#### 6. Antifungal activity of propafenone on *Candida* spp. strains: interaction with antifungals and possible mechanism of action

09-07-2024 - Microbiology Society

Introduction. The development of new antifungal drugs has become a global priority, given the increasing cases of fungal diseases together with the rising resistance to available antifungal drugs. In this scenario, drug repositioning has emerged as an alternative for such development, with advantages such as reduced research time and costs. Gap statement. Propafenone is an antiarrhythmic drug ... [Read more...](#)

#### 7. Apramycin has high in vitro activity against *Mycobacterium tuberculosis*

08-07-2024 - Microbiology Society

Introduction. Aminoglycoside antibiotics such as amikacin and kanamycin are important components in the treatment of *Mycobacterium tuberculosis* (Mtb) infection. However, more and more clinical strains are found to be aminoglycoside antibiotic-resistant. Apramycin is another kind of aminoglycoside antibiotic that is commonly used to treat infections in animals. Hypothesis. [Read more...](#)

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## Journal of Microbiology, Immunology and Infection

#### 1. Twelve-month effectiveness and safety of bictegravir/emtricitabine/tenofovir alafenamide in treatment-naïve and treatment-experienced people with HIV: Findings from the Asia cohort of the BICSTaR study

14-07-2024 - ScienceDirect

Publication date: Available online 14 July 2024  
Source: Journal of Microbiology, Immunology and Infection  
Author(s): Yu-Ting Tseng, Chia-Jui Yang, Yeon-Sook Kim, Jun Yong Choi, Chen Seong Wong, Kuan-Yeh Lee, Jeong-a Lee, Jack Chang, Rebecca Harrison, Andrea Marongiu, Sun Hee Lee, Chien-Ching Hung [Read more...](#)

#### 2. A *sbiT*-*sbiRS*-*gloI* regulatory circuit is involved in oxidative stress tolerance of *Stenotrophomonas maltophilia*

14-07-2024 - ScienceDirect

Publication date: Available online 14 July 2024  
Source: Journal of Microbiology, Immunology and Infection  
Author(s): Cheng-Mu Wu, Yi-Tzu Lee, Hsu-Feng Lu, Yen-Ling Lin, Tsuey-Ching Yang [Read more...](#)

#### 3. Plasma SCUBE2 As a Novel Biomarker Associates with Survival Outcomes in Patients with Sepsis-Associated Acute Kidney Injury

12-07-2024 - ScienceDirect

Publication date: Available online 11 July 2024 Source: Journal of Microbiology, Immunology and Infection Author(s): Kuo-Hua Lee, Yuh-Charn Lin, Ming-Tsun Tsai, Cheng-Fen Tu, Shuo-Ming Ou, Huan-Yuan Chen, Fu-An Li, Wei-Cheng Tseng, Yao-Ping Lin, Ruey-Bing Yang, Der-Cherng Tarn [Read more...](#)

#### 4. Risk of severe dengue during secondary infection: a population-based cohort study in Taiwan

12-07-2024 - *ScienceDirect*

Publication date: Available online 11 July 2024 Source: Journal of Microbiology, Immunology and Infection Author(s): Hsin-I Shih, Yu-Ching Wang, Yu-Ping Wang, Chia-Yu Chi, Yu-Wen Chien [Read more...](#)

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## Microbiology and Molecular Biology Reviews

### 1. Evolutionary trajectory for nuclear functions of ciliary transport complex proteins

12-07-2024 - *American Society for Microbiology*

Microbiology and Molecular Biology Reviews, Ahead of Print. [Read more...](#)

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## Morbidity and Mortality Weekly Report

### 1. Notes from the Field: Illnesses After Administration of Presumed Counterfeit Botulinum Toxin in Nonmedical Settings — Tennessee and New York City, March 2024

11-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes illnesses among women who received counterfeit botulinum toxin injections. [Read more...](#)

### 2. Notes from the Field: Respiratory Viral Panel as an Early Diagnostic Tool for Neonatal Enterovirus Infection — San Diego, California 2023

11-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes a cluster of neonatal enterovirus infections identified by respiratory panel polymerase chain reaction testing. [Read more...](#)

### 3. Human Case of Leptospirosis During a Canine Disease Outbreak — Wyoming, 2023

11-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes a case of human leptospirosis reported in Wyoming during a canine outbreak. [Read more...](#)

### 4. Erratum: Vol. 73, No. 21

11-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

Erratum: Vol. 73, No. 21 [Read more...](#)

### 5. SURVEILLANCE SUMMARIES: Surveillance for Violent Deaths — National Violent Death Reporting System, 48 States, the District of Columbia, and Puerto Rico, 2021

09-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes the widening gap in preventable early deaths between rural and urban areas. [Read more...](#)

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## Nature Reviews Microbiology

### 1. Getting wound closure with *Alcaligenes*

08-07-2024 - Nature

Nature Reviews Microbiology, Published online: 08 July 2024 doi:10.1038/s41579-024-01082-6 In this study, White et al. report that *Alcaligenes faecalis* mediates wound repair in diabetic foot ulcers. [Read more...](#)

## 2. Busting Cryptococcus with brilacidin

08-07-2024 - Nature

Nature Reviews Microbiology, Published online: 08 July 2024 doi:10.1038/s41579-024-01081-7 In this study, Diehl et al. report that brilacidin could be a promising antifungal drug against *Cryptococcus neoformans*. [Read more...](#)

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# NEJM Journal Watch: Infectious Diseases

## 1. Can HepB-CpG Vaccine Overcome Nonresponsiveness to HepB-Alum Vaccine?

12-07-2024 - Massachusetts Medical Society

HepB-CpG elicited a response in 43 of 47 healthcare workers who were nonresponders to ≥5 doses of traditional hepatitis B vaccine. [Read more...](#)

## 2. Is Influenza a Risk Factor for Subsequent Acute Myocardial Infarction?

11-07-2024 - Massachusetts Medical Society

Another study supports an association between influenza and subsequent MI. [Read more...](#)

## 3. What Can Be Learned by Teasing Apart Clinical Subgroups in Staphylococcal Bacteremia?

10-07-2024 - Massachusetts Medical Society

Among five categories of patients, those with nosocomial bacteremia due to an intravenous catheter had the lowest mortality. [Read more...](#)

## 4. Letermovir Resistance After CMV Prophylaxis Is Rare

09-07-2024 - Massachusetts Medical Society

Resistance-associated CMV mutations were not seen among kidney-transplant recipients receiving prophylactic letermovir but were seen in those receiving valganciclovir. [Read more...](#)

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# UKHSA affiliation

## UKHSA Affiliation

### 1. Analysis of Whole Genome Sequencing Data for Detection of Antimicrobial Resistance Determinants

14-07-2024 - Ovid

Author Names: Chattaway M.A. Database Source: Embase Weekly Updates Journal Title: Methods in molecular biology (Clifton, N.J.) Article Title: Analysis of Whole Genome Sequencing Data for Detection of Antimicrobial Resistance Determinants Year: 2024 Issue: Volume: 2833 Abstract: Genomic sequencing has revolutionized microbial typing methods and transformed high-throughput methods in reference, ... [Read more...](#)

### 2. Evaluation of a Multiplexed Immunoassay for Assessing Long-Term Humoral Immunity to Monkeypox virus infection and Orthopoxvirus Vaccination

14-07-2024 - Ovid



Author Names: Hicks B., Jones S., Callaby H., Bailey D., Gordon C., Rampling T., Houlihan C., Linley E., Tonge S., Oeser C., Jones R., Pond M., Mehta R., Wright D., Hallis B., Rowe C., Otter A. Database Source: Embase Preprint Journal Title: medRxiv, ENG Article Title: Evaluation of a Multiplexed Immunoassay for Assessing Long-Term Humoral Immunity to Monkeypox virus infection and Orthopoxvirus Vaccination ... [Read more...](#)

### 3. A large-scale and PCR-referenced vocal audio dataset for COVID-19

14-07-2024 - Ovid

Author Names: Budd J., Baker K., Karoune E., Coppock H., Patel S., Payne R., Tendero Canadas A., Titcomb A., Hurley D., Egglestone S., Butler L., Mellor J., Nicholson G., Kiskin I., Koutra V., Jersakova R., McKendry R.A., Diggle P., Richardson S., Schuller B.W., Gilmour S., Pigoli D., Roberts S., Packham J., Thornley T., Holmes C. Database Source: Embase Weekly Updates Journal Title: Scientific data Article Title: A ... [Read more...](#)

### 4. Current practices in oncofertility counseling: updated evidence on fertility preservation and post-treatment pregnancies in young women affected by early breast cancer

14-07-2024 - Ovid

Author Names: Arecco L., Borea R., Magaton I.M., Jankovic K., Mariamizde E., Stana M., Scavone G., Ottonello S., Spinaci S., Genova C., de Azambuja E., Lambertini M. Database Source: Embase Weekly Updates Journal Title: Expert Review of Anticancer Therapy, Expert Review of Anticancer Therapy Article Title: Current practices in oncofertility counseling: updated evidence on fertility preservation and ... [Read more...](#)

### 5. POTENTIALLY INAPPROPRIATE PRESCRIBING IN ELDERLY PATIENTS ACROSS HEALTHCARE SETTINGS: APPLICATION OF STOPP/START VERSION 2 CRITERIA

14-07-2024 - Ovid

Author Names: Milena K., Aleksandra C.-D., Marija J., Milica C., Nikola S., Branka M., Katarina V., Sandra V.K., Radmila V.-R., Branislava M. Database Source: Embase Daily Updates Journal Title: Farmacia, Farmacia Article Title: POTENTIALLY INAPPROPRIATE PRESCRIBING IN ELDERLY PATIENTS ACROSS HEALTHCARE SETTINGS: APPLICATION OF STOPP/START VERSION 2 CRITERIA Year: 2024 Issue: 3 Volume: 72 Abstract: The ... [Read more...](#)

### 6. Molecular detection of ceftriaxone resistance in Neisseria gonorrhoeae clinical specimens: A tool for public health control

14-07-2024 - Ovid

Author Names: Day M.J., Boampong D., Pitt R., Bari A., Rebec M., Saunders J., Fifer H., Mbisa T., Cole M.J. Database Source: Embase Weekly Updates Journal Title: Sexually Transmitted Infections, Sexually Transmitted Infections Article Title: Molecular detection of ceftriaxone resistance in Neisseria gonorrhoeae clinical specimens: A tool for public health control Year: 2024 Issue: Volume: Abstract: ... [Read more...](#)

### 7. Spin-Lattice Relaxation and Spin-Phonon Coupling of ns1 Metal Ions at the Surface

14-07-2024 - Ovid

Author Names: Bruzzese P.C., Liao Y.-K., Dona L., Civalleri B., Salvadori E., Chiesa M. Database Source: Embase Weekly Updates Journal Title: The journal of physical chemistry letters Article Title: Spin-Lattice Relaxation and Spin-Phonon Coupling of ns1 Metal Ions at the Surface Year: 2024 Issue: Volume: Abstract: To use transition metal ions for spin-based applications, ... [Read more...](#)

### 8. Recent increase in infant pertussis cases in Europe and the critical importance of antenatal immunisations: we must do better...now

14-07-2024 - Ovid

Author Names: Khalil A., Samara A., Campbell H., Ladhani S.N., Amirthalingam G. Database Source: Embase Weekly Updates Journal Title: International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases Article Title: Recent increase in infant pertussis cases in Europe and the critical importance of antenatal immunisations: we must do better.. [Read more...](#)

## 9. Factors associated with potentially inappropriate prescribing in elderly patients with various degrees of chronic kidney disease

14-07-2024 - Ovid

Author Names: Nedin Rankovic G.G.,Pejcic A.V.,Krtinic D.A.,Stokanovic D.S.,Trajkovic H.S.,Jovanovic H.M.,Binic I.I.,Jankovic S.M. Database Source: Embase Weekly Updates Journal Title: Hemodialysis International,Hemodialysis International Article Title: Factors associated with potentially inappropriate prescribing in elderly patients with various degrees of chronic kidney disease Year: 2024 ... [Read more...](#)

## 10. One way or another, you're not going to fit: Trans and gender diverse people's perspectives on sexual health services in the United Kingdom

14-07-2024 - Ovid

Author Names: Witney T.,Rait G.,Saunders J.,Hobbes L.,Mitchell L.,Stewart J.,McDonagh L. Database Source: Embase Preprint Journal Title: medRxiv,ENG Article Title: One way or another, you're not going to fit: Trans and gender diverse people's perspectives on sexual health services in the United Kingdom Year: 2024 Issue: Volume: Abstract: Objectives: Trans and/or gender diverse (T/GD) people ... [Read more...](#)

## 11. H5 and H9 Avian Influenza - potential re-emergent zoonotic threats to humans

14-07-2024 - Ovid

Author Names: Dabrera G. Database Source: Embase Daily Updates Journal Title: Current opinion in infectious diseases Article Title: H5 and H9 Avian Influenza - potential re-emergent zoonotic threats to humans Year: 2024 Issue: Volume: Abstract: PURPOSE OF REVIEW: This review aims to discuss the current state of human infections with Avian Influenza A (H5) and (H9) viruses, ... [Read more...](#)

## 12. Seroprevalence of immunity to hepatitis A and hepatitis B among gay, bisexual and other men who have sex with men (GBMSM) attending sexual health clinics in London and Leeds, England, 2017-2018

14-07-2024 - Ovid

Author Names: Roche R.,Simmons R.,Allen H.,Glancy M.,Balan A.-M.,Bolea M.,Harris R.,Desai M.,Mohammed H.,Sabin C.,Ijaz S.,Mandal S. Database Source: Embase Weekly Updates Journal Title: Sexually Transmitted Infections,Sexually Transmitted Infections Article Title: Seroprevalence of immunity to hepatitis A and hepatitis B among gay, bisexual and other men who have sex with men (GBMSM) ... [Read more...](#)

## 13. Voronoi Tessellation as a Tool for Predicting the Formation of Deep Eutectic Solvents

14-07-2024 - Ovid

Author Names: Cappelluti F.,Gontrani L.,Mariani A.,Galliano S.,Carbone M.,Bonomo M. Database Source: Embase Weekly Updates Journal Title: Journal of chemical information and modeling Article Title: Voronoi Tessellation as a Tool for Predicting the Formation of Deep Eutectic Solvents Year: 2024 Issue: Volume: Abstract: Deep eutectic solvents (DESs) have attracted increasing attention in recent ... [Read more...](#)

## 14. Radiation Adverse Outcome pathways (AOPs): examining priority questions from an international horizon-style exercise

14-07-2024 - Ovid

Author Names: Chauhan V.,Beaton D.,Tollefsen K.E.,Preston J.,Burt J.J.,Leblanc J.,Hamada N.,Azzam E.I.,Armant O.,Bouffler S.,Azimzadeh O.,Moertl S.,Yamada Y.,Tanaka I.B.,Kaiser J.C.,Applegate K.,Laurier D.,Garnier-Laplace J. Database Source: Embase Weekly Updates Journal Title: International Journal of Radiation Biology,International Journal of Radiation Biology Article Title: Radiation ... [Read more...](#)

## 15. Binding energies of ethanol and ethylamine on interstellar water ices: synergy between theory and experiments

14-07-2024 - Ovid

Author Names: Perrero J.,Vitorino J.,Congiu E.,Ugliengo P.,Rimola A.,Dulieu F. Database Source: Embase Weekly Updates Journal Title: Physical chemistry chemical physics : PCCP Article Title: Binding energies of ethanol and ethylamine on interstellar water ices: synergy between theory and experiments Year: 2024 Issue: 26 Volume: 26 Abstract: Experimental and computational chemistry are two ... [Read more...](#)

## 16. Combustion-Derived Pollutants Linked with Kidney Disease in Low-Lying Flood-Affected Areas in the Balkans

14-07-2024 - Ovid

Author Names: Guo W.,Kwok H.C.,Griffith S.M.,Nagl S.,Milovanovic D.,Pavlovic M.,Pavlovic N.M.,Yu J.Z.,Dedon P.C.,Chan W. Database Source: Embase Weekly Updates Journal Title: Environmental Science and Technology,Environmental Science and Technology Article Title: Combustion-Derived Pollutants Linked with Kidney Disease in Low-Lying Flood-Affected Areas in the Balkans Year: 2024 Issue: 26 ... [Read more...](#)

## 17. Improving antibiotic prescribing to reduce antimicrobial resistance in UTIs: the IPAP-UTI programme

14-07-2024 - Ovid

Author Names: Hammond A.,Muller-Pebody B.,Ellis K.B.,Brown C.S.,Denham A.,Hopkins S.,Hay A.D. Database Source: Embase Weekly Updates Journal Title: Prescriber,Prescriber Article Title: Improving antibiotic prescribing to reduce antimicrobial resistance in UTIs: the IPAP-UTI programme Year: 2024 Issue: 4 Volume: 35 Abstract: Unchecked antimicrobial resistance is lethal and carries a high ... [Read more...](#)

## 18. Atraumatic rupture of the spleen caused by Plasmodium falciparum, challenge in UN peacekeeping operations-a case report

14-07-2024 - Ovid

Author Names: Mickovic S.,Milojkovic G.,Stojiljkovic J.,Borovcanin N.,Jovic S.,Kovacevic S. Database Source: Embase Weekly Updates Journal Title: Vojnosanitetski Pregled,Vojnosanitetski Pregled Article Title: Atraumatic rupture of the spleen caused by Plasmodium falciparum, challenge in UN peacekeeping operations-a case report Year: 2024 Issue: 6 Volume: 81 Abstract: Introduction. [Read more...](#)

## 19. Measuring and increasing rates of self-isolation in the context of COVID-19: a systematic review with narrative synthesis

14-07-2024 - Ovid

Author Names: Smith L.E.,Martin A.F.,Brooks S.K.,Davies R.,Stein M.V.,Amlot R.,Marteau T.M.,Rubin G.J. Database Source: Embase Daily Updates Journal Title: Public health Article Title: Measuring and increasing rates of self-isolation in the context of COVID-19: a systematic review with narrative synthesis Year: 2024 Issue: Volume: Abstract: OBJECTIVES: This study aimed to investigate (1) ... [Read more...](#)

## 20. Joint influence of protein supplements, soft drinks and extreme physical activity on the development of acute renal failure and hypokalaemia

14-07-2024 - Ovid

Author Names: Djordjevic S.,Kitic D.,Kostic M.,Apostolovic B.,Brankovic S.,Circic I.M.,Velickovic-Radovanovic R. Database Source: Embase Weekly Updates Journal Title: West Indian Medical Journal,West Indian Medical Journal Article Title: Joint influence of protein supplements, soft drinks and extreme physical activity on the development of acute renal failure and hypokalaemia Year: 2017 Issue: ... [Read more...](#)

## 21. Moving forward together!

14-07-2024 - Ovid

Author Names: Beck P.,Bayer J.,Bieler D.,Busch H.-J.,Gliwitzky B.,Imach S.,Kumle B.,Nohl A.,Haske D. Database Source: Embase Weekly Updates Journal Title: Notfall und Rettungsmedizin,Notfall und

Rettungsmedizin Article Title: Moving forward together!,Gemeinsam in die Zukunft! Year: 2024 Issue: Volume: Abstract: [Read more...](#)

## 22. Factors Associated With Coronary Angiography Performed Within 6 Months of Randomization to the Conservative Strategy in the ISCHEMIA Trial

14-07-2024 - Ovid

Author Names: Spertus J.A.,Broderick S.,Rockhold F.W.,Demchenko E.,Grossman G.B.,Stone G.W.,Mancini G.B.J.,Hochman J.S.,Boden W.E.,Mavromatis K.,Doan J.,Linefsky J.,Lee R.,Patel R.,Miller T.,Cho S.Y.,Milbrandt S.,Shelstad D.,Banerjee S.,Kamath P.,Tejani I.,Reynolds H.R.,Newman J.D.,Bangalore S.,Phillips L.M.,Saric M.,Abdul-Nour K.,Schley A.,Golden H.,Stone P.H.,Osseni H.,Wiyarand C.,Douglass P. [Read more...](#)

## 23. Peer-delivered training of criminal offenders for aggression and distress management: a new approach in social treatment in prisons in Serbia

14-07-2024 - Ovid

Author Names: Nikolic G.,Stojanovic N.,Brankovic J.,Tosic Golubovic S.,Zikic O.,Kostic J. Database Source: Embase Weekly Updates Journal Title: Journal of Forensic Psychiatry and Psychology,Journal of Forensic Psychiatry and Psychology Article Title: Peer-delivered training of criminal offenders for aggression and distress management: a new approach in social treatment in prisons in Serbia ... [Read more...](#)

## 24. The impact of BDNF and CD4 + T cell crosstalk on depression

14-07-2024 - Ovid

Author Names: Mickael M.-E.,Kubick N.,Dragan M.,Atanasov A.G.,Lawinski M.,Paszkiewicz J.,Horbanczuk J.O.,Religa P.,Thorne A.,Sacharczuk M. Database Source: Embase Weekly Updates Journal Title: Immunologic Research,Immunologic Research Article Title: The impact of BDNF and CD4 + T cell crosstalk on depression Year: 2024 Issue: Volume: Abstract: [Read more...](#)

## 25. A Microtiter Plate Assay at Acidic pH to Identify Potentiators that Enhance Pyrazinamide Activity Against Mycobacterium tuberculosis

14-07-2024 - Ovid

Author Names: Moon C.W.,Porges E.,Taylor S.C.,Bacon J. Database Source: Embase Weekly Updates Journal Title: Methods in molecular biology (Clifton, N.J.) Article Title: A Microtiter Plate Assay at Acidic pH to Identify Potentiators that Enhance Pyrazinamide Activity Against Mycobacterium tuberculosis Year: 2024 Issue: Volume: 2833 Abstract: Pyrazinamide (PZA) is a key component of ... [Read more...](#)

## 26. The trend of the quality of cause-of-death data and its association with socio-economic indicators in Serbia in the period 2005-19

14-07-2024 - Ovid

Author Names: Andjelkovic Apostolovic M.,Stojanovic M.,Bogdanovic D.,Apostolovic B.,Milosevic Z.,Ignjatovic A. Database Source: Embase Weekly Updates Journal Title: Longitudinal and life course studies : international journal Article Title: The trend of the quality of cause-of-death data and its association with socio-economic indicators in Serbia in the period 2005-19 Year: 2024 Issue: 3 ... [Read more...](#)

## 27. Single Atom Catalysts Based on Earth-Abundant Metals for Energy-Related Applications

14-07-2024 - Ovid

Author Names: Kment S.,Bakandritsos A.,Tantis I.,Kmentova H.,Zuo Y.,Henrotte O.,Naldoni A.,Otyepka M.,Varma R.S.,Zboril R. Database Source: Embase Weekly Updates Journal Title: Chemical reviews Article Title: Single Atom Catalysts Based on Earth-Abundant Metals for Energy-Related Applications Year: 2024 Issue: Volume: Abstract: Anthropogenic activities related to population growth, ... [Read more...](#)

## 28. Acoustic evoked potentials characteristics in patients with vertebral artery hypoplasia and posterior circulation stroke

14-07-2024 - Ovid

Author Names: Zivadinovic B.,Damjanovic R.,Todorovic S.,Zivadinovic J.,Stamenovic J.,Bojanovic M.,Bojanovic A.,Mladenovic I.C.,Jovanovic H. Database Source: Embase Weekly Updates Journal Title: Vojnosanitetski Pregled,Vojnosanitetski Pregled Article Title: Acoustic evoked potentials characteristics in patients with vertebral artery hypoplasia and posterior circulation stroke Year: 2024 Issue: ... [Read more...](#)

### 29. Recent Computer-Aided Studies on Herbicides: A Short Review

14-07-2024 - Ovid

Author Names: Milicevic J.,Petrovic S.,Tosic S.,Vrecl M.,Arsic B. Database Source: Embase Weekly Updates Journal Title: Chemistry & biodiversity Article Title: Recent Computer-Aided Studies on Herbicides: A Short Review Year: 2024 Issue: Volume: Abstract: Current industrial herbicides have a negative impact on the environment and have widespread resistance, so computational studies on their ... [Read more...](#)

### 30. Epidemiology of non-travel enteric fever cases in England: insights from 10 years of surveillance

14-07-2024 - Ovid

Author Names: Vusirikala A.,Katwa P.,Kirkbride H.,Dabke G.,Taye A.,Krisifoe S.,Chattaway M.,Godbole G.,Balasegaram S. Database Source: Embase Weekly Updates Journal Title: Public Health,Public Health Article Title: Epidemiology of non-travel enteric fever cases in England: insights from 10 years of surveillance Year: 2024 Issue: Volume: 234 Abstract: Objectives: In non-endemic countries, ... [Read more...](#)

### 31. Genomic epidemiology of early SARS-CoV-2 transmission dynamics in Bangladesh

14-07-2024 - Ovid

Author Names: Carnegie L.,McCrone J.T.,du Plessis L.,Hasan M.,Ali M.Z.,Begum R.,Hassan M.Z.,Islam S.,Rahman M.H.,Uddin A.S.M.,Sarker M.S.,Das T.,Hossain M.,Khan M.,Razu M.H.,Akram A.,Arina S.,Hoque E.,Molla M.M.A.,Nafisaa T.,Angra P.,Rambaut A.,Pullan S.T.,Osman K.L.,Hoque M.A.,Biswas P.,Flora M.S.,Raghwanji J.,Fournie G.,Samad M.A.,Hill S.C. Database Source: Embase Preprint Journal Title: ... [Read more...](#)

### 32. Melatonin inhibits apoptosis and oxidative tissue damage in cisplatin-induced pulmonary toxicity in rats

14-07-2024 - Ovid

Author Names: Ristic L.,Rancic M.,Radovic M.,Krtinic D.,Pavlovic M.,Ilic B.,Milojkovic M.,Zivkovic N.,Turkovic K.,Sokolovic D. Database Source: Embase Weekly Updates Journal Title: Archives of Medical Science,Archives of Medical Science Article Title: Melatonin inhibits apoptosis and oxidative tissue damage in cisplatin-induced pulmonary toxicity in rats Year: 2024 Issue: 3 Volume: 20 ... [Read more...](#)

### 33. Implications of suboptimal measles immunity in UK health-care workers

14-07-2024 - Ovid

Author Names: Ho A.,Galgut O.,Faustini S.,Peters N.,Shields A.,Klenerman P.,Hopkins S.,Hall V.,Dunachie S.,Richter A. Database Source: Embase Weekly Updates Journal Title: The Lancet,The Lancet Article Title: Implications of suboptimal measles immunity in UK health-care workers Year: 2024 Issue: 10447 Volume: 404 Abstract: [Read more...](#)

### 34. Estimating the effect of antimicrobial resistance genes on minimum inhibitory concentration in Escherichia coli

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Author Names: Lipworth S.,Chau K.,Oakley S.,Barrett L.,Crook D.,Peto T.,Walker A.S.,Stoesser N. Database Source: Embase Preprint Journal Title: medRxiv,ENG Article Title: Estimating the effect of antimicrobial resistance genes on minimum inhibitory concentration in Escherichia coli Year: 2024 Issue: Volume: Abstract: Background Surveillance and prediction of antibiotic resistance in ... [Read more...](#)

### 35. Future temperature-related mortality in the UK under climate change scenarios: impact of population ageing and bias-corrected climate projections

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Author Names: Murage P., Macintyre L.H., Heaviside C., Vardoulakis S., Neven F., Ruksana R.H., Hajat S. Database Source: Embase Daily Updates Journal Title: Environmental research Article Title: Future temperature-related mortality in the UK under climate change scenarios: impact of population ageing and bias-corrected climate projections Year: 2024 Issue: Volume: Abstract: BACKGROUND: Exposure to ... [Read more...](#)

### 36. Proposal of a Modified Classification of Hypertensive Crises: Urgency, Impending Emergency, and Emergency

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Author Names: Koracevic G., Stojanovic M., Zdravkovic M., Lovic D., Simic D., Mladenovic K. Database Source: Embase Weekly Updates Journal Title: Current Vascular Pharmacology, Current Vascular Pharmacology Article Title: Proposal of a Modified Classification of Hypertensive Crises: Urgency, Impending Emergency, and Emergency Year: 2024 Issue: 3 Volume: 22 Abstract: Systemic arterial hypertension ... [Read more...](#)

### 37. Increase in methicillin-resistant Staphylococcus spp. colonization among pregnant individuals during COVID-19 pandemic

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Author Names: Rio-Tinto A., Costa N.S., Alvim D.C.S.S., Oliveira L.M.A., De Oliveira T.L.R., Dos Santos K.R.N., Fracalanza S.E.L., Teixeira L.M., Marinho P., Taylor S., Thomas S., Pinto T.C.A. Database Source: Embase Weekly Updates Journal Title: Scientific reports Article Title: Increase in methicillin-resistant Staphylococcus spp. colonization among pregnant individuals during COVID-19 pandemic Year: ... [Read more...](#)

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Author Names: Butulija S., Sobot A.V., Todorovic B., Petrovic S.M., Radovanovic, Ilic B., Matovic B., Mihailovic R., Zarubica A., Zmejkoski D., Trickovic J.F. Database Source: Embase Daily Updates Journal Title: International Journal of Biological Macromolecules, International Journal of Biological Macromolecules Article Title: Exploring the antimicrobial and antioxidant potential of bacterial ... [Read more...](#)

### 39. Aerosol exposure at air-liquid-interface (AE-ALI) in vitro toxicity system characterisation: Particle deposition and the importance of air control responses

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Author Names: Buckley A., Guo C., Laycock A., Cui X., Belinga-Desaunay-Nault M.-F., Valsami-Jones E., Leonard M., Smith R. Database Source: Embase Daily Updates Journal Title: Toxicology in vitro : an international journal published in association with BIBRA Article Title: Aerosol exposure at air-liquid-interface (AE-ALI) in vitro toxicity system characterisation: Particle deposition and the ... [Read more...](#)

### 40. Outbreak of Ralstonia pickettii associated with contamination of saline products distributed internationally, the United Kingdom, 2024

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Author Names: Saunders M., Weaver A., Stretch R., Jeyaratnam D., Mirfenderesky M., Elliott D., Patterson C., Williams D., Kenna D.T., Turton J., Osman K.L., Turton J.F., Brown C.S., Elston J. Database Source: Embase Weekly Updates Journal Title: Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin Article Title: Outbreak of Ralstonia pickettii ... [Read more...](#)

#### 41. Exploring acceptability, opportunities, and challenges of community-based home pregnancy testing for early antenatal care initiation in rural Kenya

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Author Names: Otiso L.,Alhassan Y.,Odhong T.,Onyango B.,Muturi N.,Hemingway C.,Murray L.,Ogwang E.,Okoth L.,Oguche M.,Doyle V.,Fomuso N.,Taegtmeyer M. Database Source: Embase Weekly Updates Journal Title: BMC public health Article Title: Exploring acceptability, opportunities, and challenges of community-based home pregnancy testing for early antenatal care initiation in rural Kenya Year: ... [Read more...](#)

#### 42. The pros and cons of suturing the ventral hernia defect using the intraperitoneal onlay mesh technique

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Author Names: Jovanovic B.,Rancic D.,Rancic L.,Krstovic M. Database Source: Embase Weekly Updates Journal Title: Vojnosanitetski Pregled,Vojnosanitetski Pregled Article Title: The pros and cons of suturing the ventral hernia defect using the intraperitoneal onlay mesh technique,Prednosti i mane suture defekta prilikom koriscenja intraperitonealne onlay mesh tehlike kod ventralnih kila Year: ... [Read more...](#)

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Author Names: Brzoska K.,Abend M.,O'Brien G.,Gregoire E.,Port M.,Badie C. Database Source: Embase Weekly Updates Journal Title: International Journal of Radiation Biology,International Journal of Radiation Biology Article Title: Calibration curve for radiation dose estimation using FDXR gene expression biodosimetry-premises and pitfalls Year: 2024 Issue: Volume: Abstract: Purpose: ... [Read more...](#)

#### 44. Solitary basaloid follicular hamartoma: a report of two cases and a brief review of the literature

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Author Names: Tiodorovic D.,Jovic A.,Cekic S.,Vidovic N.,Radevic T.,Mijuskovic Z. Database Source: Embase Weekly Updates Journal Title: Vojnosanitetski Pregled,Vojnosanitetski Pregled Article Title: Solitary basaloid follicular hamartoma: a report of two cases and a brief review of the literature,Solitarni bazaloidni folikularni hamartom: prikaz dva bolesnika i kratak pregled literature Year: ... [Read more...](#)

#### 45. Can self-testing be enhanced to hasten safe return of healthcare workers in pandemics? Random order, open label trial using two manufacturers' SARS-CoV-2 lateral flow devices concurrently

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Author Names: Zhang X.,Cheyne C.P.,Jones C.,Humann M.,Leeming G.,Smith C.,Hughes D.M.,Burnside G.,Dodd S.,Penrice-Randal R.,Dong X.,Semple M.G.,Neal T.,Tunkel S.,Fowler T.,Turtle L.,Garcia-Finana M.,Buchan I.E. Database Source: Embase Preprint Journal Title: medRxiv,ENG Article Title: Can self-testing be enhanced to hasten safe return of healthcare workers in pandemics? Random order, ... [Read more...](#)

#### 46. Editorial: Reviews in pathology of infectious diseases

14-07-2024 - Ovid

Author Names: Gomez-Laguna J.,Pallares F.J.,Salguero F.J. Database Source: Embase Weekly Updates Journal Title: Frontiers in Veterinary Science Article Title: Editorial: Reviews in pathology of infectious diseases Year: 2024 Issue: Volume: 11 Abstract: [Read more...](#)

#### 47. Changes in the wing shape and size in fruit flies exposed to micro and nanoplastics

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Author Names: Sorensen R.M.,Savic-Zdravkovic D.,Jovanovic B. Database Source: Embase Daily Updates Journal Title: Chemosphere,Chemosphere Article Title: Changes in the wing shape and size in fruit flies exposed to micro and nanoplastics Year: 2024 Issue: Volume: 363 Abstract: Geometric morphometrics analysis (GMA) is a well-known technique to identify minute changes in Drosophila wings. [Read more...](#)

#### **48. Pilot postal birth cohort HCV Screening in UK primary care**

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Author Names: Simmons R.,Powell A.,Ijaz S.,Mandal S.,Shute J.,Mohammadi Y.,Lattimore M.,McOwat K.,Moore H.,O'Rourke A.,Desai M.,MacLeod J.,Asgharzadeh A.,Ward Z.,Vickerman P.,Harris R.,Foster G.,Roberts K.,Hickman M. Database Source: Embase Weekly Updates Journal Title: The British journal of general practice : the journal of the Royal College of General Practitioners Article Title: Pilot ... [Read more...](#)

#### **49. Conflict and catastrophe-related severe burn injuries: A challenging setting for antimicrobial decision-making**

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Author Names: Pallett S.J.,Mistry R.,Lambert Z.L.,Woolley S.D.,Abbara A.,Breathnach A.O.,Lamb L.E.,Williams A.,Mughal N.,Moshynets O.,Hughes S.J.,O'Shea M.K.,Moore L.S. Database Source: Embase Weekly Updates Journal Title: Journal of Infection,Journal of Infection Article Title: Conflict and catastrophe-related severe burn injuries: A challenging setting for antimicrobial decision-making ... [Read more...](#)

#### **50. Chemical Components of the Extracts and Essential Oil of Sanguisorba minor Scop. subspecies muricata (Spach) Briq**

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Author Names: Barjaktarevic A.,Kokeric T.,Cupara S.,Ilic M.D.,Zivkovic M.,Obradovic K.,Stankov-Jovanovic V. Database Source: Embase Weekly Updates Journal Title: Records of Natural Products,Records of Natural Products Article Title: Chemical Components of the Extracts and Essential Oil of Sanguisorba minor Scop. subspecies muricata (Spach) Briq Year: 2024 Issue: 3 Volume: 18 Abstract: The aim ... [Read more...](#)

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