



Infection Current Awareness Update

12/08/2024

Produced by [UKHSA Knowledge & Library Services](#), this is a weekly table of contents alert to particular journals related to nutrition, diet and obesity.

If you have any queries, please contact us at libraries@ukhsa.gov.uk.

Please note that not all the articles and resources referred to in this alert are freely available. Some articles may require an Athens username and password. For further information on Athens accounts please visit [here](#). If you are not eligible to access our library services, then you may want to approach your [local health library service](#).

Disclaimer

This document and the content herein is not government official policy. We do not give any guarantees, conditions or warranties about the accuracy or completeness of any content within this document and we are not liable for any loss or damage that may come from your use of these products. Any wording, inclusion or omission should not be viewed as an endorsement or rejection by UK Health Security Agency. This document is for information purposes only and is not to be added to any websites or repositories.

CONTENTS

COVID-19 related research

- [COVID-19 infection](#)

Infection-related guidance

- [European Centre for Disease Prevention and Control](#)
- [Infectious Diseases Society of America](#)

Infection-related journals

- [American Journal of Infection Control](#)
- [Clinical Infectious Diseases](#)
- [Clinical Microbiology Reviews](#)
- [Current Opinion in Microbiology](#)
- [Diagnostic Microbiology and Infectious Disease](#)
- [Emerging Infectious Diseases Journal - CDC](#)
- [European Journal of Clinical Microbiology and Infectious Disease](#)
- [Eurosurveillance](#)

- [FEMS Microbiology Reviews](#)
- [Infection](#)
- [Infection Control & Hospital Epidemiology](#)
- [International Journal of Infectious Diseases](#)
- [Journal of Hospital Infection](#)
- [Journal of Infection](#)
- [Journal of Microbiology, Immunology and Infection](#)
- [The Lancet](#)
- [The Lancet: Microbe](#)
- [Morbidity and Mortality Weekly Report](#)
- [Nature Reviews Microbiology](#)
- [NEJM Journal Watch: Infectious Diseases](#)

UKHSA affiliation

- [UKHSA Affiliation](#)

COVID-19 related research

COVID-19 infection

1. [COVID-19 related disruption and resilience in immunisation activities in LMICs: a rapid review](#)

07-08-2024 - BMJ Open

Objectives We conducted a rapid review to determine the extent that immunisation services in low-income and middle-income countries (LMICs) were disrupted by the COVID-19 pandemic and synthesised the factors that can be used to build resilience in future. Design Rapid review reported in accordance with the Preferred reporting for Systematic reviews and Meta-Analyses (PRISMA) guidelines. [Read more...](#)

[Back to Top](#)

Infection-related guidance

European Centre for Disease Prevention and Control

1. [Communicable disease threats report, 3-9 August 2024, week 32](#)

09-08-2024 - European Centre for Disease Prevention and Control: ECDC (Europa)

This issue of the ECDC Communicable Disease Threats Report (CDTR) covers the period 3-9 August 2024 and includes updates on influenza A Legionnaires' disease, mass gathering monitoring of the Olympic and Paralympic Games in Paris 2024, West Nile virus infections, MERS-CoV and cholera. [Read more...](#)

[Back to Top](#)

Infectious Diseases Society of America

1. [Senate Appropriations Bills Boost ID Funding, Fall Short on Workforce Needs](#)

05-08-2024 - Infectious Diseases Society of America (IDSA)

The Senate FY 2025 Labor, Health and Human Services and the State and Foreign Operations appropriations bills provide increased funding for some key domestic and global infectious diseases programs, including the Centers for Disease Control and Prevention's Antibiotic Resistance Solutions Initiative and the National Institute of Allergy and Infectious Diseases at the National Institutes of Health. [Read more...](#)

[Back to Top](#)

Infection-related journals

American Journal of Infection Control

1. Challenges and Trends in Gram-Negative Bacterial Infections in Critically Neonates: A Seven-and-a-Half-Year Observational Study

09-08-2024 - Elsevier

Analyze the incidence, risk factors, and fatality rates of bloodstream infections by Gram-negative bacteria (GNB-BSIs) in a Neonatal Intensive Care Unit (NICU). [Read more...](#)

2. Effectiveness of Sensing Gloves-Applied Virtual Reality Education System on Hand Hygiene Practice: A Randomised Controlled Trial

08-08-2024 - Elsevier

We developed a virtual reality (VR) education system and evaluated its clinical utility for promoting hand hygiene practices. [Read more...](#)

3. Efficacy of powered air purifying respirators (PAPRs) for source control of simulated respiratory aerosols

06-08-2024 - Elsevier

Loose-fitting powered air purifying respirators (PAPRs) are a popular alternative to the use of filtering facepiece respirators for healthcare workers. Although PAPRs protect the wearer from aerosol particles, their ability to block infectious aerosol particles exhaled by the wearer from being released into the environment (called source control) is unclear. [Read more...](#)

4. Factors Associated with Correction of Personal Protective Equipment Nonadherence in a Multidisciplinary Emergency Department Setting: A Retrospective Video Review

06-08-2024 - Elsevier

Despite local and national recommendations, healthcare provider adherence to personal protective equipment (PPE) varied during the COVID-19 pandemic. Previous studies have identified factors influencing initial PPE adherence but did not address factors influencing behaviors leading to correction after initial nonadherence. [Read more...](#)

5. Does the removal of isolation for VRE infected patients change the incidence of healthcare-associated VRE?: A systematic review and meta-analysis

05-08-2024 - Elsevier

Several single-center studies have suggested that eliminating isolation for vancomycin-resistant enterococci (VRE) control in the context of endemic or non-outbreak settings, has no impact on infection rates. We performed a systematic review and meta-analysis on the impact of discontinuing isolation. [Read more...](#)

[Back to Top](#)

Clinical Infectious Diseases

1. Integrase strand transfer inhibitor (INSTI) related changes in BMI and risk of diabetes: a prospective study from the RESPOND cohort consortium

09-08-2024 - Oxford University Press

INSTI use was associated with an increased diabetes risk, independent of BMI changes. With majority being switched to INSTIs, this highlights the necessity for a deeper understanding and vigilant diabetes management in HIV patients on INSTIs. [Read more...](#)

2. Single monoclonal antibodies should not be used for COVID-19 therapy: a call for antiviral stewardship

08-08-2024 - Oxford University Press

The COVID-19 pandemic witnessed the greatest deployment of monoclonal antibody (mAb) therapies for an infectious disease, but all were defeated by SARS-CoV-2 evolution. As new mAbs are developed, the infectious disease community needs stewardship practices to reduce emergence of resistance. [Read more...](#)

3. Infectious Diseases Society of America 2024 Guidance on the Treatment of Antimicrobial-Resistant Gram-Negative Infections

07-08-2024 - Oxford University Press

[Read more...](#)

4. Hospital- and Ventilator-associated Pneumonia early after Lung Transplantation: a prospective Study on Incidence, Pathogen Origin and Outcome

06-08-2024 - Oxford University Press

[Read more...](#)

5. Effectiveness of Updated 2023–2024 (Monovalent XBB.1.5) COVID-19 Vaccination Against SARS-CoV-2 Omicron XBB and BA.2.86/JN.1 Lineage Hospitalization and a Comparison of Clinical Severity—IVY Network, 26 Hospitals, October 18, 2023–March 9, 2024

06-08-2024 - Oxford University Press

Analysis of data from a U.S. inpatient surveillance network showed that updated 2023–2024 COVID-19 vaccination provided protection against hospitalization for SARS-CoV-2 XBB and JN lineages. Clinical severity of JN lineage hospitalizations was not increased relative to XBB lineage hospitalizations. [Read more...](#)

6. Viability of in different anatomical sites – a systematic review & meta-analysis

05-08-2024 - Oxford University Press

Nucleic acid amplification tests (NAATs) for Chlamydia trachomatis (CT) detect both viable & non-viable organisms. Assays detecting CT non-viability are now available. We performed a systematic review and meta-analysis and found that a significant proportion of NAAT-detected CT are non-viable. [Read more...](#)

[Back to Top](#)

Clinical Microbiology Reviews

1. Vaccines and monoclonal antibodies to prevent healthcare-associated bacterial infections

09-08-2024 - American Society for Microbiology

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

[Back to Top](#)

Current Opinion in Microbiology

1. Editorial Board

10-08-2024 - *ScienceDirect*

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

2. Host immune response against fungal biofilms

09-08-2024 - *ScienceDirect*

Publication date: October 2024 Source: Current Opinion in Microbiology, Volume 81 Author(s): Mohammad Mannan, Sunna Nabeela, Reetakshi Mishra, Priya Uppuluri [Read more...](#)

3. Editorial overview: emerging avenues in antimicrobial research

08-08-2024 - *ScienceDirect*

Publication date: October 2024 Source: Current Opinion in Microbiology, Volume 81 Author(s): Toni Gabaldón, Luiz Pedro Sório de Carvalho [Read more...](#)

[Back to Top](#)

Diagnostic Microbiology and Infectious Disease

1. OSTEOARTICULAR HYDATID DISEASE : EPIDEMIOLOGICAL FEATURES, DIAGNOSIS AND TREATMENT

10-08-2024 - *ScienceDirect*

Publication date: Available online 10 August 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Aida Zaghdoudi, Sahar Sallem, Rajah Rezgui, Zeineb Guesmi, Helmi Ernandes, Mondher Mestiri [Read more...](#)

2. Ehrlichiosis and Anaplasmosis in Solid Organ Transplantation: A Case Series and Review of the Literature

09-08-2024 - *ScienceDirect*

Publication date: Available online 9 August 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Timothy L Jang, Sias J. Scherger, Andre C. Kalil, Carlos A. Gomez [Read more...](#)

3. Molecular and phenotypic characterization of biofilm formation and antimicrobial resistance patterns of uropathogenic Staphylococcus haemolyticus isolates in Casablanca, Morocco.

09-08-2024 - *ScienceDirect*

Publication date: Available online 8 August 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Aniba Rafik, Dihmane Asmaa, Raqraq Habiba, Ressmi Amina, Nayme Kaotar, Timinouni Mohammed, Barguigua Abouddihaj [Read more...](#)

4. Burkholderia cenocepacia ST-250 in cystic fibrosis patients in Switzerland: Genomic investigation of transmission routes

08-08-2024 - *ScienceDirect*

Publication date: October 2024 Source: Diagnostic Microbiology and Infectious Disease, Volume 110, Issue 2 Author(s): Andrea Zbinden, Helena M.B. Seth-Smith, Vanessa Beltrami, Stefano Mancini, Sara Droz, Urs Bürgi, David Melillo, Mace M. Schuurmans, Bernhard Schwizer, Iris Schmid, Carmen Casaulta, Jürg Barben, Nicolas J Mueller, Frank Imkamp [Read more...](#)

5. Oropharyngeal Tularemia Outbreak Linked to Drinking Contaminated Tap Water in North-Western Iran

07-08-2024 - *ScienceDirect*

Publication date: Available online 6 August 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Parisa Esmaeili, Simin Khayatzaeh, Max Maurin, Mohammad Mehdi Gouya, Saber Esmaeili, Ehsan Mostafavi [Read more...](#)

6. Clinical Performance of the BD Respiratory Viral Panel for BD MAX™ System in Detecting SARS-CoV-2, Influenza A and B, and Respiratory Syncytial Virus

07-08-2024 - *ScienceDirect*

Publication date: Available online 6 August 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Sonia Paradis, Barbara Van Der Pol, Nicolette Athanasiou Kaatz, Thomas E. Davis, Nathan A. Ledebouer, Matthew L. Faron, William Laviers, Elizabeth Lockamy, Karen A. Yanson [Read more...](#)

7. Outcomes of adult patients with multidrug-resistant *Acinetobacter baumannii* ventilator-associated pneumonia treated with monotherapy versus combination therapy in a tertiary hospital

07-08-2024 - *ScienceDirect*

Publication date: Available online 6 August 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Leisa Jeanne Kaye G. Yee, Cybele Lara R. Abad, Ian Theodore G. Cabaluna, Jodor A. Lim [Read more...](#)

8. Development of an amperometric biosensor for the detection of *Bacillus anthracis* spores

07-08-2024 - *ScienceDirect*

Publication date: Available online 7 August 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Mesut Ortatatli, Ebru Saatci, Zahir Kilic, Levent Kenar [Read more...](#)

9. Immunogenic and Diagnostic Potential of Recombinant Apical Membrane Antigen-1 from *Plasmodium malariae*

06-08-2024 - *ScienceDirect*

Publication date: Available online 6 August 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Moyan Li, Tingting Liu, Yuerong Wang, Luwen Zhang, Fanbo Lu, Jinxing Xia, Meijuan Zheng, Min Zhang, Bo Wang, Yuanhong Xu [Read more...](#)

10. Machine Learning Investigation of Tuberculosis with Medicine Immunity Impact

05-08-2024 - *ScienceDirect*

Publication date: Available online 4 August 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Hamid Qureshi, Zahoor Shah, Muhammad Asif Zahoor Raja, Mohammad Y. Alshahrani, Waqar Azeem Khan, Muhammad Shoaib [Read more...](#)

[Back to Top](#)

Emerging Infectious Diseases Journal - CDC

1. Correction: Vol. 30, No. 8

09-08-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

[Read more...](#)

2. Role of Direct Sexual Contact in Human Transmission of Monkeypox Virus, Italy

09-08-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

G. Sberna et al. [Read more...](#)

3. Confirmed Case of Autochthonous Human Babesiosis, Hungary

09-08-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

D. Sipos et al. [Read more...](#)

4. Powassan Virus Encephalitis After Tick Bite, Manitoba, Canada

09-08-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

N. Smith et al. [Read more...](#)

5. Clinical Significance, Species Distribution, and Temporal Trends of Nontuberculous Mycobacteria, Denmark, 1991–2022

09-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

V. Dahl et al. [Read more...](#)

6. Morphologic and Molecular Identification of Human Ocular Infection Caused by Pelecitus Nematodes, Thailand

09-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

P. Rujkorakarn et al. [Read more...](#)

7. Onward Virus Transmission after Measles Secondary Vaccination Failure

09-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

I. Tranter et al. [Read more...](#)

8. Avian and Human Influenza A Virus Receptors in Bovine Mammary Gland

09-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

9. Retrospective Seroprevalence of Orthopoxvirus Antibodies among Key Populations, Kenya

09-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

10. Formation of Single-Species and Multispecies Biofilm by Isolates from Septic Transfusion Reactions in Platelet Bag Model

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

11. Infection Rates and Symptomatic Proportion of SARS-CoV-2 and Influenza in Pediatric Population, China, 2023

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

12. Mpox Epidemiology and Risk Factors, Nigeria, 2022

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

D. Ogoina et al. [Read more...](#)

13. Emerging Leishmania donovani Lineages Associated with Cutaneous Leishmaniasis, Himachal Pradesh, India, 2023

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

P. Lypaczewski et al. [Read more...](#)

14. Cocirculation of Genetically Distinct Highly Pathogenic Avian Influenza H5N5 and H5N1 Viruses in Crows, Hokkaido, Japan

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

Y. Hew et al. [Read more...](#)

[Back to Top](#)

1. Clinical characteristics, predisposing factors and outcomes for *Enterococcus faecalis* versus *Enterococcus faecium* bloodstream infections: a prospective multicentre cohort study

08-08-2024 - Springer

[Read more...](#)

2. Clinical features and prognosis of prosthetic valve endocarditis due to *Staphylococcus aureus*

07-08-2024 - Springer

[Read more...](#)

3. Lice in adult patients is associated with psychiatric comorbidities and unstable housing in a matched case-control study using the All of Us Database

07-08-2024 - Springer

[Read more...](#)

4. Impact of the COVID-19 pandemic and migration on tuberculosis notifications: a retrospective analysis with 5-year data from three centers

07-08-2024 - Springer

[Read more...](#)

5. Characterization of a KPC-84 harboring *Klebsiella pneumoniae* ST11 clinical isolate with ceftazidime-avibactam resistance

07-08-2024 - Springer

[Read more...](#)

6. Evaluation of EUCAST rapid antimicrobial susceptibility test directly from positive blood culture for *Pseudomonas aeruginosa*

06-08-2024 - Springer

[Read more...](#)

[Back to Top](#)

Eurosurveillance

1. Epidemiological and environmental investigation of the 'big four' *Vibrio* species, 1994 to 2021: a Baltic Sea retrospective study

08-08-2024 - Eurosurveillance

Background The *Vibrio* genus comprises several bacterial species present in the Baltic Sea region (BSR), which are known to cause human infections. Aim To provide a comprehensive retrospective analysis of *Vibrio*-induced infections in the BSR from 1994 to 2021, focusing on the 'big four' *Vibrio* species - *V. alginolyticus*, *V. cholerae* non-O1/O139, *V. parahaemolyticus* and *V.* [Read more...](#)

2. Real-time PCR assay to detect the novel Clade Ib monkeypox virus, September 2023 to May 2024

08-08-2024 - Eurosurveillance

Monkeypox virus (MPXV) is an emerging zoonotic pathogen with complex epidemiology necessitating rapid diagnosis and distinguishing between clades and subclades. The emerging Clade Ib lacks the genomic region used in the Clade I-specific assay from the Centers for Disease Control and Prevention. We report an MPXV real-time PCR to specifically detect Clade Ib. The assay demonstrated proficient ... [Read more...](#)

3. Hospital surveillance of respiratory viruses during the COVID-19 pandemic and beyond: contribution to the WHO mosaic framework, Israel, 2020 to 2023

08-08-2024 - *Eurosurveillance*

Background A new respiratory virus surveillance platform, based on nationwide hospital laboratory data, was established in Israel during the COVID-19 pandemic. Aim We aimed to evaluate the performance of this platform with respect to the detection of influenza and respiratory syncytial virus (RSV) from week 36 in 2020 to week 15 in 2023, and how it fits with the World Health Organization ... [Read more...](#)

4. Persistent elevation in incidence of pneumonia in children in England, 2023/24

08-08-2024 - *Eurosurveillance*

Since November 2023, the absolute number of attendances at emergency departments for pneumonia among children aged 5-14 years in England have been above expected levels for the time of year. This increased signal peaked during March 2024 but then persisted into early summer 2024 despite decreases in prevalence of seasonal respiratory pathogens. Record linkage between emergency department and ... [Read more...](#)

5. Syphilis testing in blood donors, France, 2007 to 2022

08-08-2024 - *Eurosurveillance*

Background Syphilis in blood donors (BD) has increased in many countries. Aim We aimed to describe trends in syphilis seropositivity in BD in France, to identify risk factors and assess if a non-treponemic test (NTT) could define BD having recovered from syphilis for more than 1 year. Methods The analysis covered the period 2007 to 2022 and 45,875,939 donations. [Read more...](#)

[Back to Top](#)

FEMS Microbiology Reviews

1. Mechanisms of host adaptation by bacterial pathogens

08-08-2024 - *Oxford University Press*

Matthew F Barber and J Ross Fitzgerald FEMS Microbiology Reviews , Volume 48, Issue 4, July 2024, fuae019, <https://doi.org/10.1093/femsre/fuae019> This review summarizes recent studies investigating molecular and genetic mechanisms by which pathogenic bacteria adapt to infect new host species highlighting important avenues for future research. [Read more...](#)

[Back to Top](#)

Infection

1. Risk factors for prolonged infection and secondary infection in pediatric severe sepsis

08-08-2024 - *Springer*

[Read more...](#)

2. Key summary of German national guideline for adult patients with nosocomial pneumonia- Update 2024 Funding number at the Federal Joint Committee (G-BA): 01VSF22007

08-08-2024 - *Springer*

[Read more...](#)

3. Fixed drug eruption mimicking syphilitic balanitis of Follmann

06-08-2024 - *Springer*

[Read more...](#)

[Back to Top](#)

Infection Control & Hospital Epidemiology

1. Chlorhexidine gluconate skin levels and organism decolonization: what we know and what we don't know

08-08-2024 - Cambridge University Press

[Read more...](#)

2. Hospitalizations among family members increase the risk of MRSA infection in a household

07-08-2024 - Cambridge University Press

[Read more...](#)

[Back to Top](#)

International Journal of Infectious Diseases

1. Malaria burden and residual transmission: two thirds of mosquito bites may not be preventable with current vector control tools on Bioko Island, Equatorial Guinea

10-08-2024 - ScienceDirect

Publication date: Available online 10 August 2024
Source: International Journal of Infectious Diseases
Author(s): Michael Ooko, Nestor Rivas Bela, Mathias Leonard, Valeriano Oluy Nsue Maye, Prudencio Bibang Engono Efiri, Wolfgang Ekoko, Matilde Riloha Rivas, David S Galick, Kylie R DeBoer, Olivier Tresor Donfack, Carlos A Guerra, Guillermo A Garcia, Immo Kleinschmidt [Read more...](#)

2. Epidemiology and antimicrobial resistance trends of pathogens causing urinary tract infections in Mwanza, Tanzania: a comparative study during and after the implementation of the National Action Plan on Antimicrobial Resistance (2017-2022)

10-08-2024 - ScienceDirect

Publication date: Available online 10 August 2024
Source: International Journal of Infectious Diseases
Author(s): Vitus Silago, Katarina Oravcova, Louise Matthews, Stephen E. Mshana, Heike Claus, Jeremiah Seni [Read more...](#)

3. Doxycycline prophylaxis for the prevention of sexually transmitted infections: a systematic review and meta-analysis of randomised controlled trials

08-08-2024 - ScienceDirect

Publication date: Available online 8 August 2024
Source: International Journal of Infectious Diseases
Author(s): I. Szondy, F.A. Meznerics, K. Lőrincz, L.V. Kemény, A. Walter, A.A. Mohammed, P. Hegyi, N. Kiss, A. Bánvölgyi [Read more...](#)

4. Influenza epidemiology and vaccine effectiveness during the 2023/2024 season in Italy: A test-negative case-control study

08-08-2024 - ScienceDirect

Publication date: Available online 8 August 2024
Source: International Journal of Infectious Diseases
Author(s): Alexander Domnich, Giancarlo Icardi, Donatella Panatto, Marianna Scarpaleggia, Carlo-Simone Trombetta, Matilde Ogliastro, Federica Stefanelli, Bianca Bruzzone, Andrea Orsi [Read more...](#)

5. Finite immune imprinting on neutralizing antibody responses to Omicron subvariants by repeated vaccinations

07-08-2024 - ScienceDirect

Publication date: Available online 6 August 2024
Source: International Journal of Infectious Diseases
Author(s): Xue-Dong Song, Guo-Jian Yang, Chao Shi, Xiao-Lin Jiang, Xue-Jun Wang, Yu-Wei Zhang, Jie Wu, Lian-Xiang Zhao, Ming-Ming Wang, Rui-Rui Chen, Xue-Juan He, Er-Hei Dai, Yuan Shen, Hui-Xia Gao, Gang Dong, Mai-Juan Ma [Read more...](#)

6. Critical Insights from Recent Outbreaks of *Mycoplasma pneumoniae*: Decoding the Challenges and Effective Interventions Strategies

07-08-2024 - *ScienceDirect*

Publication date: Available online 6 August 2024 Source: International Journal of Infectious

Diseases Author(s): Ravi Kant, Naveen Kumar, Yashpal Singh Malik, Dean Everett, Daman Saluja, Thomas Launey, Rahul Kaushik [Read more...](#)

[Back to Top](#)

Journal of Hospital Infection

1. Simulated-use evaluation of rapid ChannelCheck™ cleaning test for optimal detection of organic residues in flexible endoscope channels

10-08-2024 - *Journal of Hospital Infection*

The need to monitor manual cleaning of high-risk endoscopes is recommended or more so required by the current endoscope reprocessing guidelines. The objective of this study was to establish the optimal extraction volume for colonoscopes and bronchoscopes and demonstrate the extraction efficacy for the ChannelCheck™ rapid test. [Read more...](#)

[Back to Top](#)

Journal of Infection

1. Trends in invasive *Haemophilus influenzae* serotype b (Hib) disease in England 2012/13 to 2022/23

10-08-2024 - *Elsevier*

Haemophilus influenzae serotype b (Hib) conjugate vaccines have been highly successful in reducing the Hib disease worldwide. Recently, several European countries have reported an increase in invasive Hib disease. We aimed to describe the epidemiology, clinical characteristics, genomic trends, and outcomes of invasive Hib disease over the past 11 years in England. [Read more...](#)

2. Prevalence, risk factors and characterisation of individuals with long COVID using Electronic Health Records in over 1.5 million COVID cases in England

08-08-2024 - *Elsevier*

This study examines clinically confirmed long-COVID symptoms and diagnosis among individuals with COVID in England, aiming to understand prevalence and associated risk factors using electronic health records. To further understand long-COVID, the study also explored differences in risks and symptom profiles in three subgroups: hospitalised, non-hospitalised, and untreated COVID cases. [Read more...](#)

3. Replication, safety and immunogenicity of the vectored Ebola vaccine rVSV-ΔG-ZEBOV-GP in a sub-Saharan African paediatric population: a randomised controlled, open-label trial in children aged 1-12 years living in Lambaréné, Gabon

08-08-2024 - *Elsevier*

The replication and shedding do not affect the favourable risk-benefit balance of the rVSVΔG-ZEBOV-GP in children. [Read more...](#)

4. Fourth dose bivalent COVID-19 vaccines outperform monovalent boosters in eliciting cross-reactive memory B cells to Omicron subvariants

08-08-2024 - *Elsevier*

Bivalent COVID-19 vaccines comprising ancestral Wuhan-Hu-1 (WH1) and the Omicron BA.1 or BA.5 subvariant elicit enhanced serum antibody responses to emerging Omicron subvariants. Here, we characterized the RBD-specific memory B cell (Bmem) response following a fourth dose with a BA.1 or BA.5 bivalent vaccine, in direct comparison with a WH1 monovalent fourth dose. [Read more...](#)

5. BCG vaccination of healthcare workers for protection against COVID-19: 12-month outcomes from an international randomised controlled trial

08-08-2024 - Elsevier

Bacille Calmette-Guérin (BCG) vaccine has immunomodulatory effects that may provide protection against unrelated infectious diseases. We aimed to determine whether BCG vaccination protects adults against COVID-19. [Read more...](#)

6. Hybrid immunity augments cross-variant protection against COVID-19 among immunocompromised individuals

07-08-2024 - Elsevier

Immunity to SARS-CoV-2 vaccination and infection differs considerably among individuals. We investigate the critical pathways that influence vaccine-induced cross-variant serological immunity among individuals at high-risk of COVID-19 complications. [Read more...](#)

7. The Effectiveness and Impact of the Enterovirus 71 Vaccine on the Onset of Hand, Foot, and Mouth Disease in Children Aged ≤ 5 Years: A 7-Year Study

07-08-2024 - Elsevier

DEAR EDITOR—We read an intriguing paper discussing the clinical and epidemiological characteristics of Hand, foot, and mouth disease (HFMD) in *J Infect.*¹ EV71 and coxsackievirus 16 (CV16) are the primary causes of HFMD.² Since December 2015, four inactivated HFMD vaccines have been launched in China. There is limited analysis of the EV71 vaccine's real-world effect based on surveillance data. [Read more...](#)

8. Rebound of pediatric invasive pneumococcal disease in Portugal after the COVID-19 pandemic was not associated with significant serotype changes

06-08-2024 - Elsevier

The COVID-19 pandemic led to the institution of public health measures in many countries which reduced respiratory infections. We aimed to identify and characterize changes in pediatric (<18 years) invasive pneumococcal disease (iPPD) in Portugal in 2018-2023. [Read more...](#)

9. VALIDATION OF THE ENCEPHALITIS CRITERIA IN ADULTS WITH A SUSPECTED CENTRAL NERVOUS SYSTEM INFECTION: AN UPDATED SCORE

05-08-2024 - Elsevier

We aimed to validate and refine the encephalitis criteria proposed by the International Encephalitis Consortium in a cohort of adults initially suspected of a central nervous system (CNS) infection. [Read more...](#)

[Back to Top](#)

Journal of Microbiology, Immunology and Infection

1. Clofazimine and QT prolongation in the treatment of rifampicin-resistant tuberculosis: findings of aDSM in Taiwan

09-08-2024 - ScienceDirect

Publication date: Available online 8 August 2024
Source: Journal of Microbiology, Immunology and Infection
Author(s): Chou-Jui Lin, Jin-Hua Chen, Shun-Tien Chien, Yi-Wen Huang, Chih-Bin Lin, Jen-Jyh Lee, Chih-Hsin Lee, Ming-Chih Yu, Chen-Yuan Chiang [Read more...](#)

2. Bacterial profile, and independent predictors for healthcare-associated pneumonia persistently caused by multidrug-resistant Gram-negative bacteria for patients with the preceding multidrug-resistant Gram-negative pneumonia in Taiwan

07-08-2024 - ScienceDirect

Publication date: Available online 6 August 2024 Source: Journal of Microbiology, Immunology and Infection Author(s): Li-Kuo Kuo, Hou-Tai Chang, Shun-Chung Hsueh, I-Min Liu, Po-Chuen Hsieh, Shio-Shin Jean [Read more...](#)

[Back to Top](#)

The Lancet

1. [Correspondence] The battle against paediatric HIV is far from over – Authors' reply

09-08-2024 - Elsevier

We want to thank Philippe Van de Perre and Thorkild Tylleskär for their Correspondence in response to our Seminar on HIV.¹ We agree with Van de Perre and Tylleskär that there are substantial barriers on the path to elimination of HIV among children and that they have received less attention. Although new infections among children younger than 15 years have substantially declined, ... [Read more...](#)

2. [Correspondence] The battle against paediatric HIV is far from over

09-08-2024 - Elsevier

World AIDS Day 2023 was well marked by The Lancet with the publication of an excellent Seminar by Aaloke Mody and colleagues summarising the major achievements and the way forward in HIV epidemiology, prevention, treatment, and implementation strategies for public health.¹ Unfortunately, not a single word was devoted to the prevention or treatment of paediatric HIV infection. [Read more...](#)

3. [Correspondence] Reducing HIV in young women in Uganda: the need for autonomy

09-08-2024 - Elsevier

Sub-Saharan Africa represents nearly 30% of all new HIV infections globally.¹ Among countries in sub-Saharan Africa, Uganda stands out as one of the countries with the highest burden of young people (aged ≥ 15 years) living with HIV, with young women having the highest rates of HIV. According to the most recent assessment in the country, HIV prevalence among young women stands at 7.2%, ... [Read more...](#)

[Back to Top](#)

The Lancet: Microbe

1. [Editorial] COVID-19 origins: plain speaking is overdue

06-08-2024 - Elsevier

SARS-CoV-2 is a natural virus that found its way into humans through mundane contact with infected wildlife that went on to cause the most consequential pandemic for over a century. While it is scholarly to entertain alternative hypotheses, particularly when evidence is scarce, these alternative hypotheses have been implausible for a long time and have only become more-so with increasing scrutiny. [Read more...](#)

2. [Correspondence] Concerted efforts toward genomic surveillance of viral pathogens in immunocompromised individuals

06-08-2024 - Elsevier

Whether prolonged SARS-CoV-2 active infection in immunocompromised individuals favours the emergence of new variants of concern through a prolonged host–viral arms race continues to be extensively debated. Although this theory is considered sound by many experts, only a few related case reports have been published thus far. The scarceness of robust scientific evidence likely stems from the ... [Read more...](#)

3. [Comment] Importance of investing time and money in integrating large language model-based agents into outbreak analytics pipelines

06-08-2024 - Elsevier

Outbreaks such as mpox and COVID-19 underscore the need for swift, evidence-based responses to limit their spread and save lives. Such evidence should be generated in real time. Generating these insights requires synthesis of many different sources of information and a combination of multiple distinct analytical techniques, from basic descriptive analysis to complex dynamic models. [Read more...](#)

4. [Comment] Understanding the evolutionary potential of mcr-1: growing evidence on costless colistin resistance

06-08-2024 - Elsevier

Colistin is a last-resort antibiotic against multidrug resistant Gram-negative bacteria of high clinical relevance, such as *Escherichia coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, and *Acinetobacter baumannii*. The historical and current use of colistin as feed additive for promoting livestock and poultry growth and in veterinary applications has favoured the emergence and spread of ... [Read more...](#)

5. [Articles] Effect of human H3N2 influenza virus reassortment on influenza incidence and severity during the 2017–18 influenza season in the USA: a retrospective observational genomic analysis

06-08-2024 - Elsevier

Our findings suggest that the increased severity of the 2017–18 influenza season was due in part to two intrasubtypes, cocirculating H3N2 reassortant viruses with fitness advantages over the parental viruses. This information could help inform future vaccine development and public health policies. [Read more...](#)

6. [Articles] Immune responses associated with mpox viral clearance in men with and without HIV in Spain: a multisite, observational, prospective cohort study

06-08-2024 - Elsevier

Higher breadth and magnitude of B-cell and T-cell responses are important in facilitating local viral clearance, limiting mpox dissemination, and reducing disease severity in individuals with preserved immune system. Antibodies appear to contribute to early viral control and T-cell responses are sustained over time, which might contribute to milder presentations during reinfection. [Read more...](#)

7. [Correspondence] Blood transcriptomic analyses reveal persistent SARS-CoV-2 RNA and candidate biomarkers in post-COVID-19 condition

06-08-2024 - Elsevier

With an estimated 65 million individuals affected by post-COVID-19 condition (also known as long COVID),¹ non-invasive biomarkers are direly needed to guide clinical management. To address this pressing need, we used blood transcriptomics in a general practice-based case-control study. Individuals with long COVID were diagnosed according to WHO criteria, and validated clinical scales were ... [Read more...](#)

8. [Articles] MmpR5 protein truncation and bedaquiline resistance in *Mycobacterium tuberculosis* isolates from South Africa: a genomic analysis

06-08-2024 - Elsevier

Reduction in the susceptibility of *M tuberculosis* to bedaquiline has evolved repeatedly across the phylogeny. In our data, we see no evidence that this reduction has led to the spread of a successful strain in South Africa. Binary phenotyping based on the bedaquiline breakpoint might be inappropriate to monitor resistance to this drug. We recommend the use of minimum inhibitory concentrations ... [Read more...](#)

9. [Correspondence] Are low-income and middle-income countries being neglected in genomic surveillance of the emergence and spread of multidrug-resistant Enterobacterales?

06-08-2024 - Elsevier

In their Comment, Fábio Parra Sellera and colleagues¹ highlighted a disturbing global trend towards the evolution and spread of pan- β -lactam-resistant Enterobacterales, revealing that 249 (0.7%) of 35 761

strains, extracted from genomic surveillance data, showed dual carbapenemase production, specifically attributed to *Klebsiella pneumoniae* co-producing New Delhi metallo- β -lactamase (NDM) and ... [Read more...](#)

10. [Correspondence] Assessing the entire landscape of antifungal immune response to COVID-19-associated pulmonary aspergillosis

06-08-2024 - Elsevier

Susceptibility to invasive pulmonary aspergillosis has been linked to myeloid cell dysfunction, and patients with neutropenia are particularly at risk for these infections. Recently, Simon Feys and colleagues showed in an Article published in *The Lancet Microbe* that the innate immune response to *Aspergillus fumigatus* is essential to fight against COVID-19-associated pulmonary aspergillosis ... [Read more...](#)

11. [Comment] Borealpox (Alaskapox) virus: will there be more emerging zoonotic orthopoxviruses?

06-08-2024 - Elsevier

A fatal case of Alaskapox virus, now renamed borealpox virus, was diagnosed in an older man living alone in a forested area of the Kenai Peninsula, AK, USA.^{1,2} The patient was undergoing immunosuppressive cancer treatment and had been in contact with a stray cat. In mid-September, 2023, he presented with a tender red papule on his right axilla, and four smaller pox-like lesions were observed ... [Read more...](#)

12. [Articles] Assessment of the reversibility of resistance in the absence of antibiotics and its relationship with the resistance gene's fitness cost: a genetic study with *mcr-1*

06-08-2024 - Elsevier

Many identified costless resistant variants that consist of multiple mutations are unlikely to evolve easily in nature. These findings for colistin and *mcr-1* might be applicable to other cases in which AMR entails a substantial fitness cost that cannot be mitigated in proximal mutants. [Read more...](#)

13. [News] ESCMID Global 2024

06-08-2024 - Elsevier

Priya Venkatesan reports on the 2024 congress of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID Global 2024), held in Barcelona, Spain, on April 27–30. [Read more...](#)

14. [Articles] Immunogenicity and safety of beta variant COVID-19 vaccine AZD2816 and AZD1222 (ChAdOx1 nCoV-19) as primary-series vaccination for previously unvaccinated adults in Brazil, South Africa, Poland, and the UK: a randomised, partly double-blinded, phase 2/3 non-inferiority immunobridging study

06-08-2024 - Elsevier

Primary series of AZD1222 and AZD2816 were well tolerated, with no emergent safety concerns. Both vaccines elicited robust immunogenicity against beta and ancestral SARS-CoV-2 with greater responses demonstrated when testing against SARS-CoV-2 strains that matched those targeted by the respective vaccine. These findings demonstrate the continued importance of ancestral COVID-19 vaccines in ... [Read more...](#)

15. [Review] Probable extinction of influenza B/Yamagata and its public health implications: a systematic literature review and assessment of global surveillance databases

06-08-2024 - Elsevier

Early after the start of the COVID-19 pandemic, the detection of influenza B/Yamagata cases decreased globally. Given the potential public health implications of this decline, in this Review, we systematically analysed data on influenza B/Yamagata virus circulation (for 2020–23) from multiple complementary sources of information. We identified relevant articles published in PubMed and Embase, ... [Read more...](#)

16. [Articles] Implementation of the WHO Tricycle protocol for surveillance of extended-spectrum β -lactamase producing *Escherichia coli* in humans, chickens, and the environment in Madagascar: a prospective genomic epidemiology study

06-08-2024 - Elsevier

Despite sector-specific population structures, both ESBL-E coli strains and plasmids are circulating among humans, chickens, and the environment in Antananarivo, Madagascar. The Tricycle protocol can be implemented in a low-income country and represents a powerful tool for investigating dissemination of AMR from a One Health perspective. [Read more...](#)

17. [Articles] Pathogen diversity and antimicrobial resistance transmission of *Salmonella enterica* serovars Typhi and Paratyphi A in Bangladesh, Nepal, and Malawi: a genomic epidemiological study

06-08-2024 - Elsevier

Enteric fever was associated with locally established pathogen variants that circulate across age groups. AMR infections resulted from local transmission of resistant strains. These results form a baseline against which to monitor the impacts of control measures. [Read more...](#)

18. [Personal View] Integrating research on bacterial pathogens and commensals to fight infections—an ecological perspective

06-08-2024 - Elsevier

The incidence of antibiotic-resistant bacterial infections is increasing, and development of new antibiotics has been deprioritised by the pharmaceutical industry. Interdisciplinary research approaches, based on the ecological principles of bacterial fitness, competition, and transmission, could open new avenues to combat antibiotic-resistant infections. Many facultative bacterial pathogens ... [Read more...](#)

[Back to Top](#)

Morbidity and Mortality Weekly Report

1. Erratum: Vol. 72, No. RR-6

08-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

Erratum: Vol. 72, No. RR-6 [Read more...](#)

2. Notes from the Field: Prevalence of Previous Dengue Virus Infection Among Children and Adolescents Aged 7–16 Years — American Samoa, September–October 2023

08-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes previous dengue infections in American Samoa during 2023. [Read more...](#)

3. Health and Economic Benefits of Routine Childhood Immunizations in the Era of the Vaccines for Children Program — United States, 1994–2023

08-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes health and economic benefits from routine childhood vaccines among children born during 1994–2023. [Read more...](#)

4. Mortality in the United States — Provisional Data, 2023

08-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes 2023 provisional mortality data in the United States. [Read more...](#)

5. Recommendations and Reports: U.S. Medical Eligibility Criteria for Contraceptive Use, 2024

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes new and revised recommendations for the use of specific contraceptive methods by people who have certain characteristics or medical conditions. [Read more...](#)

6. Recommendations and Reports: U.S. Selected Practice Recommendations for Contraceptive Use, 2024

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes updated recommendations for contraceptive use. [Read more...](#)

7. Early Release Use of Respiratory Syncytial Virus Vaccines in Adults Aged ≥ 60 Years: Updated Recommendations of the Advisory Committee on Immunization Practices — United States, 2024

06-08-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes ACIP recommendations for the use of the RSV vaccine for older adults. [Read more...](#)

[Back to Top](#)

Nature Reviews Microbiology

1. Towards improved biofilm models

08-08-2024 - Nature

Nature Reviews Microbiology, Published online: 07 August 2024 doi:10.1038/s41579-024-01086-2 In this Perspective, Rumbaugh and Whiteley explore the advantages and limitations of current medical biofilm models and outline a framework for quantitatively assessing model accuracy. [Read more...](#)

[Back to Top](#)

NEJM Journal Watch: Infectious Diseases

1. The Reassuring Safety of the JYNNEOS Mpox Vaccine

07-08-2024 - Massachusetts Medical Society

Reports from a U.S. passive surveillance system identified no unexpected safety events following immunization with the mpox JYNNEOS vaccine. [Read more...](#)

2. TMP-SMX for Non-Disseminated Pulmonary Nocardiosis: High or Low Dose?

07-08-2024 - Massachusetts Medical Society

Patients who initially received high-dose TMP-SMX had higher 1-year mortality than those receiving intermediate- or low-dose treatment. [Read more...](#)

3. A Breakthrough in HIV Prevention

06-08-2024 - Massachusetts Medical Society

In a randomized trial, no woman who received twice-yearly lenacapavir acquired HIV diagnostic challenges remain in those uncommon individuals who acquire HIV on cabotegravir. [Read more...](#)

4. The Reassuring Safety of the JYNNEOS Vaccine

05-08-2024 - Massachusetts Medical Society

Reports from a U.S. passive surveillance system identified no unexpected safety events following immunization with the mpox JYNNEOS vaccine. [Read more...](#)

[Back to Top](#)

UKHSA affiliation

UKHSA Affiliation

1. Spontaneous Coronary Artery Dissection in Patients with Autosomal Dominant Polycystic Kidney Disease: A Systematic Review of the Literature

10-08-2024 - Ovid

Author Names: Milutinovic S., Bell A., Jancic P., Stanojevic D., Borghol A.H., Mina J., Chebib F.T., Khambati I., Escarcega R.O., Wood M.J. Database Source: Embase Weekly Updates Journal Title: Journal of Personalized Medicine, Journal of Personalized Medicine Article Title: Spontaneous Coronary Artery Dissection in Patients with Autosomal Dominant Polycystic Kidney Disease: A Systematic Review of the ... [Read more...](#)

2. A difference in application time between two direct orthodontic bonding methods: A prospective randomized clinical trial

10-08-2024 - Ovid

Author Names: Mitic V., Todorovic A., Mitic A. Database Source: Embase Weekly Updates Journal Title: Journal of Esthetic and Restorative Dentistry, Journal of Esthetic and Restorative Dentistry Article Title: A difference in application time between two direct orthodontic bonding methods: A prospective randomized clinical trial Year: 2024 Issue: Volume: Abstract: Objective: This clinical study ... [Read more...](#)

3. STANDARD AND HEMATOLOGICAL MARKERS OF SYSTEMIC INFLAMMATION IN PATIENTS WITH ELDERLY ONSET RHEUMATOID ARTHRITIS (EORA) AND YOUNG ONSET RHEUMATOID ARTHRITIS (YORA) - AN OBSERVATIONAL STUDY

10-08-2024 - Ovid

Author Names: Stojanovic S., Stamenkovic B., Nedovic J., Cvetkovic J., Aleksic Milenkovic I., Dimic N., Jovic J., Djindjic A. Database Source: Embase Weekly Updates Journal Title: Annals of the Rheumatic Diseases Article Title: STANDARD AND HEMATOLOGICAL MARKERS OF SYSTEMIC INFLAMMATION IN PATIENTS WITH ELDERLY ONSET RHEUMATOID ARTHRITIS (EORA) AND YOUNG ONSET RHEUMATOID ARTHRITIS (YORA) - AN ... [Read more...](#)

4. Sepsis and case fatality rates and associations with deprivation, ethnicity, and clinical characteristics: population-based case-control study with linked primary care and hospital data in England

10-08-2024 - Ovid

Author Names: van Staa T.P., Pate A., Martin G.P., Sharma A., Dark P., Felton T., Zhong X., Bladon S., Cunningham N., Gilham E.L., Brown C.S., Mirfenderesky M., Palin V., Ashiru-Oredope D. Database Source: Embase Weekly Updates Journal Title: Infection, Infection Article Title: Sepsis and case fatality rates and associations with deprivation, ethnicity, and clinical characteristics: population-based ... [Read more...](#)

5. Multiple risk factors for persistent HBV viraemia in an adult receiving nucleos(tide) analogue therapy

10-08-2024 - Ovid

Author Names: Lumley S., Barlow M., Said K., Martyn E., Waddilove E., Delphin M., Jennings D., Chai H., Kemper A., Ko J., Ansari A., Macdonald D., Ghosh I., Ijaz S., Flanagan S., Matthews P.C. Database Source: Embase Weekly Updates Journal Title: Sexually Transmitted Infections, Sexually Transmitted Infections Article Title: Multiple risk factors for persistent HBV viraemia in an adult receiving nucleos(tide) analogue therapy ... [Read more...](#)

6. Two-step or one-step - are all methods for neonatal incubator decontamination equal?

10-08-2024 - Ovid

Author Names: Watkin S., Dunn H., Ready D., Rennie K., Soares A., Ciric L., Cloutman-Green E. Database Source: Embase Daily Updates Journal Title: The Journal of hospital infection Article Title: Two-step or one-step - are all methods for neonatal incubator decontamination equal? Year: 2024 Issue: Volume: Abstract: INTRODUCTION: Healthcare associated pathogens, including Staphylococcus capitis, ... [Read more...](#)

7. Blood pressure cut-offs to diagnose impending hypertensive emergency depend on previous hypertension-mediated organ damage and comorbid conditions

10-08-2024 - Ovid

Author Names: Koracevic G.,Stojanovic M.,Lovic D.,Kostic T.,Tomasevic M.,Martinovic S.S.,Zdravkovic S.C.,Koracevic M.,Stojanovic V. Database Source: Embase Daily Updates Journal Title: The National medical journal of India Article Title: Blood pressure cut-offs to diagnose impending hypertensive emergency depend on previous hypertension-mediated organ damage and comorbid conditions Year: 2023 ... [Read more...](#)

8. Pharmacological methods for ovarian function and fertility preservation in women with cancer: A literature review

10-08-2024 - Ovid

Author Names: Cvetanovic A.S.,Lambertini M.,Punie K.,Brko G.G.M.,Zivkovic N.D.,Popovic M.J.,Kovacevic M.M.M.,Popovic L.S. Database Source: Embase Weekly Updates Journal Title: Oncology Research,Oncology Research Article Title: Pharmacological methods for ovarian function and fertility preservation in women with cancer: A literature review Year: 2024 Issue: 8 Volume: 32 Abstract: Oncofertility ... [Read more...](#)

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

10-08-2024 - Ovid

Author Names: Chattaway M.A. Database Source: Embase Weekly Updates Journal Title: Methods in Molecular Biology 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, clinical, ... [Read more...](#)

10. Salmonella carriage by geckos detected within households in Malawi

10-08-2024 - Ovid

Author Names: Wilson C.N.,Musicha P.,Beale M.A.,Diness Y.,Kanjewa O.,Salifu C.,Katuah Z.,Duncan P.,Nyangu J.,Mungu A.,Deleza M.,Banda L.,Makhaza L.,Elviss N.,Jewell C.P.,Pinchbeck G.,Thomson N.R.,Feasey N.A.,Fevre E.M. Database Source: Embase Weekly Updates Journal Title: One Health Article Title: Salmonella carriage by geckos detected within households in Malawi Year: 2024 Issue: Volume: 19 ... [Read more...](#)

11. The microbiological quality of flour products in the UK with respect to Salmonella and Shiga-toxin-producing Escherichia coli

10-08-2024 - Ovid

Author Names: Kesby M.,Jorgensen F.,Willis C.,Aird H.,Lai S.,Sadler-Reeves L.,Jenkins C.,Chattaway M. Database Source: Embase Weekly Updates Journal Title: Journal of Applied Microbiology,Journal of Applied Microbiology Article Title: The microbiological quality of flour products in the UK with respect to Salmonella and Shiga-toxin-producing Escherichia coli Year: 2024 Issue: 7 Volume: 135 ... [Read more...](#)

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

10-08-2024 - Ovid

Author Names: Moon C.W.,Porges E.,Taylor S.C.,Bacon J. Database Source: Embase Weekly Updates Journal Title: Methods in Molecular Biology 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 chemotherapy for the ... [Read more...](#)

13. The novel 2024 WHO Neisseria gonorrhoeae reference strains for global quality assurance of laboratory investigations and superseded WHO N. gonorrhoeae reference strains-phenotypic, genetic and reference genome characterization

10-08-2024 - Ovid

Author Names: Unemo M., Sanchez-Buso L., Golparian D., Jacobsson S., Shimuta K., Lan P.T., Eyre D.W., Cole M., Maatouk I., Wi T., Lahra M.M. Database Source: Embase Weekly Updates Journal Title: Journal of Antimicrobial Chemotherapy, Journal of Antimicrobial Chemotherapy Article Title: The novel 2024 WHO Neisseria gonorrhoeae reference strains for global quality assurance of laboratory investigations ... [Read more...](#)

14. Impact of IL-6 and IL-10 genotypes on tacrolimus dose requirements in kidney transplant recipients: Monte Carlo analysis

10-08-2024 - Ovid

Author Names: Stefanovic N., Dankovic K., Cvetkovic T., Vujic S., Pavlovic I., Jevtovic-Stoimenov T., Mitic B., Velickovic-Radovanovic R. Database Source: Embase Weekly Updates Journal Title: Pharmacogenomics, Pharmacogenomics Article Title: Impact of IL-6 and IL-10 genotypes on tacrolimus dose requirements in kidney transplant recipients: Monte Carlo analysis Year: 2024 Issue: Volume: Abstract: ... [Read more...](#)

15. Field-and laboratory-based studies on correlates of Chlamydia trachomatis transmission by Musca sorbens: Determinants of fly-eye contact and investigations into fly carriage of elementary bodies

10-08-2024 - Ovid

Author Names: Robinson A., Versteeg B., Abdurahman O.S., Clatworthy I., Shuka G., Debela D., Hordofa G., Reis de Oliveira Gomes L., Abraham Aga M., Dumessa G., Sarah V., Macleod D., Last A., Burton M.J., Logan J.G. Database Source: Embase Weekly Updates Journal Title: PLoS Neglected Tropical Diseases, PLoS Neglected Tropical Diseases Article Title: Field-and laboratory-based studies on correlates of ... [Read more...](#)

16. Integrated Analysis of Patient Networks and Plasmid Genomes to Investigate a Regional, Multispecies Outbreak of Carbapenemase-Producing Enterobacterales Carrying Both blaIMP and mcr-9 Genes

10-08-2024 - Ovid

Author Names: Wan Y., Myall A.C., Boonyasiri A., Bolt F., Ledda A., Mookerjee S., Weisse A.Y., Getino M., Turton J.F., Abbas H., Prakapaite R., Sabnis A., Abdolrasouli A., Malpartida-Cardenas K., Miglietta L., Donaldson H., Gilchrist M., Hopkins K.L., Ellington M.J., Otter J.A., Larrouy-Maumus G., Edwards A.M., Rodriguez-Manzano J., Didelot X., Barahona M., Holmes A.H., Jauneikaite E., Davies F. [Read more...](#)

17. High Mycobacterium bovis exposure but low IGRA positivity in UK farm workers

10-08-2024 - Ovid

Author Names: Thomas A., Halliday A., Clapp G., Symonds R., Hopewell-Kelley N., McGrath C., Wheeler L., Dacey A., Noel N., Turner A., Oliver I., Wood J., Moran E., Virgo P., Goenka A., Brooks-Pollock E. Database Source: Embase Preprint Journal Title: medRxiv, ENG Article Title: High Mycobacterium bovis exposure but low IGRA positivity in UK farm workers Year: 2024 Issue: Volume: Abstract: Background Between ... [Read more...](#)

18. Nomogram for predicting survival after first-line anti-PD-1-based immunotherapy in unresectable stage IV melanoma: a multicenter international study

10-08-2024 - Ovid

Author Names: Chatziioannou E., Higueta L.M.S., Kreft S., Kandolf L., Dujovic B., Reinhardt L., Tamara E., Marquez-Rodas I., Fortuna A.R.F.P., Nubling A., Niessner H., Forscher A., Garbe C., Popovic A., Mirjana B., Meier F., Eigentler T., Leiter U., Flatz L., Sinnberg T., Amaral T. Database Source: Embase Weekly

Updates Journal Title: ESMO Open Article Title: Nomogram for predicting survival after first-line ... [Read more...](#)

19. Linking epidemiological and genomic data in cases of enteric fever in England to inform clinical management and public health action

10-08-2024 - Ovid

Author Names: Buczkowska M.,Chattaway M.A.,Jenkins C.,Hungerford D.,Katwa P.,Kirkbride H.,Hawker J. Database Source: Embase Weekly Updates Journal Title: Journal of Antimicrobial Chemotherapy,Journal of Antimicrobial Chemotherapy Article Title: Linking epidemiological and genomic data in cases of enteric fever in England to inform clinical management and public health action Year: 2024 Issue: ... [Read more...](#)

20. Daylight and Electric Lighting in Primary and Secondary School Classrooms in the UK-An Observational Study

10-08-2024 - Ovid

Author Names: Price L.L.A.,Dahlmann-Noor A.,Khazova M. Database Source: Embase Weekly Updates Journal Title: International Journal of Environmental Research and Public Health,International Journal of Environmental Research and Public Health Article Title: Daylight and Electric Lighting in Primary and Secondary School Classrooms in the UK-An Observational Study Year: 2024 Issue: 7 Volume: 21 ... [Read more...](#)

21. WHO global research priorities for sexually transmitted infections

10-08-2024 - Ovid

Author Names: Gottlieb S.L.,Spielman E.,Abu-Raddad L.,Aderoba A.K.,Bachmann L.H.,Blondeel K.,Chen X.-S.,Crucitti T.,Camacho G.G.,Godbole S.,de Leon R.G.P.,Gupta S.,Hermez J.,Ishikawa N.,Klausner J.D.,Kurbonov F.,Maatouk I.,Mandil A.,Mello M.B.,Miranda A.E.,Moshafiq F.S.,Okeibunor J.C.,Ong J.J.,Peters R.P.H.,Perez F.,Seguy N.,Seib K.L.,Sharma M.,Sladden T.,Van Der Pol B.,White P.J.,Wi T.,Broutet N. [Read more...](#)

22. Calibration curve for radiation dose estimation using FDXR gene expression biodosimetry-premises and pitfalls

10-08-2024 - Ovid

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: 8 Volume: 100 Abstract: Purpose: ... [Read more...](#)

23. Stars from the bones-An uncommon presentation of fat embolism syndrome

10-08-2024 - Ovid

Author Names: Sivanandam L.K.,Gupta P.,Rahim M.,Sanker V.,Pandita A.,Gupta U. Database Source: Embase Weekly Updates Journal Title: Clinical Case Reports Article Title: Stars from the bones-An uncommon presentation of fat embolism syndrome Year: 2023 Issue: 6 Volume: 11 Abstract: Trauma or surgery to the lower limbs can cause fat from the marrow within the leg bones to enter the bloodstream ... [Read more...](#)

24. The cost-effectiveness of procalcitonin for guiding antibiotic prescribing in individuals hospitalized with COVID-19: part of the PEACH study

10-08-2024 - Ovid

Author Names: Webb E.J.D.,Sandoe J.A.T.,Powell N.,Albur M.,Bond S.,Dark P.,Hellyer T.,Llewelyn M.,McCullagh I.J.,Ogden M.,Parsons H.,Partridge D.,Shaw D.,Szakmany T.,Todd S.,Carrol E.D.,Sandoe J.,Carrol E.,Thomas-Jones E.,Euden J.,Brookes-Howell L.,Henley J.,Maboshe W.,Pallmann P.,Grozeva D.,Bargiel M.,Evans J.,Webb E.,Bestwick R.,Howdon D.,King N.,Shinkins B.,West R.,Richman C.,Gerver S.,Hope R. [Read more...](#)

25. Temporal changes to adult case fatality risk of COVID-19 after vaccination in England between May 2020 and February 2022: a national surveillance study

10-08-2024 - Ovid

Author Names: Halford F., Yates K., Clare T., Lopez-Bernal J., Kall M., Allen H. Database Source: Embase Weekly Updates Journal Title: Journal of the Royal Society of Medicine, Journal of the Royal Society of Medicine Article Title: Temporal changes to adult case fatality risk of COVID-19 after vaccination in England between May 2020 and February 2022: a national surveillance study Year: 2024 ... [Read more...](#)

26. The role of the clinical virologist in pandemic responses

10-08-2024 - Ovid

Author Names: Banatvala J.E., Muir P., Irving W., Meader E., Ramalingam S., Kidd M. Database Source: Embase Weekly Updates Journal Title: The Lancet, The Lancet Article Title: The role of the clinical virologist in pandemic responses Year: 2024 Issue: 10451 Volume: 404 Abstract: [Read more...](#)

27. THE RELATIONSHIP OF NITRIC OXIDE LEVELS, PEPTIDYL ARGININE DEIMINASE-4 AND ARGINASE-1 ACTIVITY WITH RADIOGRAPHIC PROGRESSION IN PATIENTS WITH NEWLY DIAGNOSED RHEUMATOID ARTHRITIS AFTER TWO YEARS OF FOLLOW-UP

10-08-2024 - Ovid

Author Names: Cvetkovic J., Stojanovic S., Stamenkovic B., Jevtovic Stoimenov T., Basic J., Aleksic Milenkovic I., Jovic J., Dimic N. Database Source: Embase Weekly Updates Journal Title: Annals of the Rheumatic Diseases Article Title: THE RELATIONSHIP OF NITRIC OXIDE LEVELS, PEPTIDYL ARGININE DEIMINASE-4 AND ARGINASE-1 ACTIVITY WITH RADIOGRAPHIC PROGRESSION IN PATIENTS WITH NEWLY DIAGNOSED ... [Read more...](#)

28. Piloting wastewater-based surveillance of norovirus in England

10-08-2024 - Ovid

Author Names: Walker D.I., Witt J., Rostant W., Burton R., Davison V., Ditchburn J., Evens N., Godwin R., Heywood J., Lowther J.A., Peters N., Porter J., Posen P., Wickens T., Wade M.J. Database Source: Embase Weekly Updates Journal Title: Water Research, Water Research Article Title: Piloting wastewater-based surveillance of norovirus in England Year: 2024 Issue: Volume: 263 Abstract: Wastewater-based ... [Read more...](#)

29. The impact of COVID-19 vaccine spring boosters on COVID-19 hospital admissions in England 2022/23

10-08-2024 - Ovid

Author Names: Andrews N., Osuntoki I., Stowe J., Kirsebom F.C.M., Allen A., Lopez Bernal J. Database Source: Embase Weekly Updates Journal Title: Journal of Infection, Journal of Infection Article Title: The impact of COVID-19 vaccine spring boosters on COVID-19 hospital admissions in England 2022/23 Year: 2024 Issue: 3 Volume: 89 Abstract: Background: In the spring of 2022 and 2023 COVID-19 ... [Read more...](#)

30. Deletion of the alpha2delta-1 calcium channel subunit increases excitability of mouse chromaffin cells

10-08-2024 - Ovid

Author Names: Geisler S.M., Ottaviani M.M., Jacobo-Piqueras N., Theiner T., Mastrolia V., Guarina L., Ebner K., Obermair G.J., Carbone E., Tuluc P. Database Source: Embase Weekly Updates Journal Title: Journal of Physiology, Journal of Physiology Article Title: Deletion of the alpha2delta-1 calcium channel subunit increases excitability of mouse chromaffin cells Year: 2024 Issue: 15 Volume: 602 ... [Read more...](#)

31. The potential role of the 4CMenB vaccine in combating gonorrhoea: the need for nuance in interpreting the DOXYVAC trial

10-08-2024 - Ovid

Author Names: White P.J.,Leng T.,Nikitin D.,Whittles L.K. Database Source: Embase Weekly Updates
Journal Title: The Lancet Infectious Diseases,The Lancet Infectious Diseases Article Title: The potential role
of the 4CMenB vaccine in combating gonorrhoea: the need for nuance in interpreting the DOXYVAC trial
Year: 2024 Issue: Volume: Abstract: [Read more...](#)

32. TOWARD THE DEVELOPMENT OF CONSENSUSBASED GUIDELINES FOR SCORING THE PHYSICIAN GLOBAL ASSESSMENT OF DISEASE ACTIVITY IN JUVENILE IDIOPATHIC ARTHRITIS

10-08-2024 - Ovid

Author Names: Rypdal V.,Gottlieb B.,Aggarwal A.,Angeles-Han S.,Backstrom M.,Balay E.,Bracaglia C.,Brunner H.,De Benedetti F.,Dolezalova P.,Feldman B.,Garrone M.,Guzman J.,Horton D.,Laxer R.,Lovell D.J.,Magni-Manzoni S.,Minoia F.,Morgan E.,Munro J.,Nordal E.,Normand C.,Pan N.,Patrone E.,Ravelli A.,Ruperto N.,Saad-Magalhaes C.,Sinha R.,Swart J.F.,Tarkiainen M.,Twilt M.,Vahasalo P.,Vastert S. [Read more...](#)

33. Hypertension and left ventricular hypertrophy

10-08-2024 - Ovid

Author Names: Dorpevic D.B.,Koracevic G.P.,Dorpevic A.D.,Lovic D.B. Database Source: Embase Weekly Updates
Journal Title: Journal of Hypertension,Journal of Hypertension Article Title: Hypertension and left
ventricular hypertrophy Year: 2024 Issue: 9 Volume: 42 Abstract: In the initial stage, left ventricular
hypertrophy (LVH) is adaptive, but in time, it transforms to maladaptive LVH which ... [Read more...](#)

34. A New Validated Approach for Identifying Childhood Immunizations in Electronic Health Records in the United Kingdom

10-08-2024 - Ovid

Author Names: Suffel A.,Walker J.,Campbell C.,Carreira H.,Warren-Gash C.,McDonald H. Database
Source: Embase Weekly Updates Journal Title: Pharmacoepidemiology and Drug
Safety,Pharmacoepidemiology and Drug Safety Article Title: A New Validated Approach for Identifying
Childhood Immunizations in Electronic Health Records in the United Kingdom Year: 2024 Issue: 8 Volume:
33 Abstract: ... [Read more...](#)

35. Participation and environment measure - children and youth: PEM-CY Brazil measurements properties

10-08-2024 - Ovid

Author Names: Ayupe K.M.A.,Galvao ER.V.P.,Cazeiro A.P.M.,Anaby D.,Teplicky R.,Lopes P.B.,Massetti T.,de Oliveira A.K.C.,de Campos A.C.,Longo E. Database Source: Embase Daily Updates Journal Title:
Brazilian journal of physical therapy Article Title: Participation and environment measure - children and
youth: PEM-CY Brazil measurements properties Year: 2024 Issue: 4 Volume: 28 Abstract: ... [Read more...](#)

36. Positive Feedback Mechanism in Aristolochic Acid I Exposure-Induced Anemia and DNA Adduct Formation: Implications for Balkan Endemic Nephropathy

10-08-2024 - Ovid

Author Names: Ham Y.-H.,Chin M.-L.,Pan G.,Wang S.,Pavlovic N.M.,Chan W. Database Source: Embase
Weekly Updates Journal Title: Journal of agricultural and food chemistry Article Title: Positive Feedback
Mechanism in Aristolochic Acid I Exposure-Induced Anemia and DNA Adduct Formation: Implications for
Balkan Endemic Nephropathy Year: 2024 Issue: Volume: Abstract: Balkan endemic nephropathy ... [Read more...](#)

37. Maternal diabetes and risk of offspring congenital heart diseases: the Japan Environment and Children's Study

10-08-2024 - Ovid

Author Names: Nagasawa M.,Ikehara S.,Aochi Y.,Tanigawa K.,Kitamura T.,Iso H.,Kamijima M.,Yamazaki S.,Ohya Y.,Kishi R.,Yaegashi N.,Hashimoto K.,Mori C.,Ito S.,Yamagata Z.,Inadera H.,Nakayama T.,Sobue T.,Shima M.,Kageyama S.,Suganuma N.,Ohga S.,Kato T. Database Source: Embase Weekly Updates
Journal Title: Environmental Health and Preventive Medicine,Environmental Health and Preventive Medicine ... [Read more...](#)

38. Promoting antifungal stewardship through an antifungal multidisciplinary team in a paediatric and adult tertiary centre in the UK

06-08-2024 - National Library of Medicine

CONCLUSIONS: Our approach to AFS, centred around a weekly MDT, demonstrated improvements in IFI management, antifungal consumption and cost-efficiency. This single-centre study highlights the value of a comprehensive, collaborative approach to AFS involving experts in mycology, infection, radiology, antifungal therapies and clinical teams. The programme's success in paediatric and adult ... [Read more...](#)

[Back to Top](#)

Generated by Vable | [Privacy Policy](#)