



# Infection Current Awareness Update

08/04/2024

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.

If you have any queries, please contact us at [libraries@ukhsa.gov.uk](mailto:libraries@ukhsa.gov.uk).

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- [Diagnostic Microbiology and Infectious Disease](#)
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- [European Journal of Clinical Microbiology and Infectious Disease](#)
- [Eurosurveillance](#)
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- [Infection Control & Hospital Epidemiology](#)
- [International Journal of Infectious Diseases](#)
- [Journal of Clinical Microbiology](#)
- [Journal of Infection](#)

- Journal of Medical Microbiology
- 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

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## COVID-19 related research

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### COVID-19 infection

#### [CDC Eases Isolation Guidance for Respiratory Viruses](#)

*02-04-2024 - The JAMA Network*

New guidance from the US Centers for Disease Control and Prevention (CDC) provides updated measures to combat respiratory viruses such as SARS-CoV-2, influenza, and respiratory syncytial virus. The recommendations come at a time when deaths and hospitalizations from COVID-19 have decreased from the peak of the pandemic and the availability of tools to fight respiratory viruses is greater than ... [Read more...](#)

#### [CDC Recommends Additional COVID-19 Booster for Older Adults](#)

*02-04-2024 - The JAMA Network*

From October 2023 to December 2023, older adults made up more than half of COVID-19 hospitalizations in the US. The Centers for Disease Control and Prevention (CDC) now recommends an additional updated 2023-2024 COVID-19 vaccine dose for adults aged 65 years or older. [Read more...](#)

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## Infection-related journals

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### American Journal of Infection Control

#### [Impact of medical waste bin on contamination of patient's environment: an experimental study](#)

*06-04-2024 - Elsevier*

Medical waste bins are potential source of microbial contamination in hospital environment, while there is no clear guidance for the management of them. We aimed to assess the impact of medical waste bins on patient's environment. [Read more...](#)

#### [Utilizing Natural Language Processing and Large Language Models in the Diagnosis and Prediction of Infectious Diseases: A Systematic Review](#)

*06-04-2024 - Elsevier*

Natural Language Processing (NLP) and Large Language Models (LLMs) hold largely untapped potential in infectious disease management. This review explores their current use and uncovers areas needing more attention. [Read more...](#)

#### [Evidence from Whole Genome Sequencing of Aerosol Transmission of SARS-CoV-2 almost Five Hours after Hospital Room Turnover](#)

05-04-2024 - Elsevier

Experimental evidence suggests that SARS-CoV-2 remains viable within aerosols with a half-life of approximately 3 hours however, it remains unclear how long airborne SARS-CoV-2 can transmit infection. Whole genome sequencing during an outbreak suggested in-room transmission of SARS-CoV-2 to two patients admitted nearly 2 and 5 hours, respectively, after discharge of an asymptomatic infected ... [Read more...](#)

### Hand Hygiene Compliance in Nursing Homes – The Effects Of Feedback With Lights on Alcohol-based Hand Rub Dispensers

05-04-2024 - Elsevier

Hand hygiene (HH) among healthcare workers (HCWs) is crucial in preventing infections in nursing homes. However, HH compliance (HHC) among HCWs remains low. This study aimed to investigate the effect of feedback lights on HCWs' HHC. [Read more...](#)

### Post-discharge surveillance of urinary tract infections in patients following hip and knee arthroplasty: identifying targets for infection prevention and control

05-04-2024 - Elsevier

This population-based study aimed to evaluate the incidence of urinary tract infections (UTIs) following hip and knee arthroplasty (HPRO and KPRO) and to identify UTI risk factors among Polish patients. Analysis included data from 83,525 patients, with incidence rates of 0.7% and 0.49% after HPRO and KPRO, respectively. We identified women, individuals over 65 years old, ... [Read more...](#)

### How effective are monthly departmental tracer surveys? A five-year retrospective study of 138 surveys in 96 departments

05-04-2024 - Elsevier

Repeat departmental-wide surveys are commonly employed for infection-control. There remains debate concerning their cost-effectiveness. [Read more...](#)

### Approach to Intrapartum Fever During the COVID-19 Pandemic: A New York City Hospital Experience

05-04-2024 - Elsevier

The yield of repeat SARS-CoV-2 testing for intrapartum fever in patients admitted to labor and delivery negative for SARS-CoV-2 on admission testing is unknown. From October 2020-June 2022, we performed a retrospective study of 151/3,168 (4.8%) patients who had repeat testing for intrapartum fever. One (0.7%) patient was SARS-CoV-2 positive suggesting repeat SARS-CoV-2 testing for intrapartum ... [Read more...](#)

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## Clinical Infectious Diseases

### Low-risk bacteremia patients do not require routine diagnostic imaging: A multicenter retrospective cohort study

05-04-2024 - Oxford University Press

This retrospective multicenter cohort study supports a risk-informed approach for the management of bacteremia patients. In low-risk SAB patients routine imaging could be omitted as its yield is very low and not associated with lower 90-day relapse-free survival. [Read more...](#)

### Vertical Transmission of Hepatitis C Virus Among Women with a History of Injection Opioid Use

05-04-2024 - Oxford University Press

[Read more...](#)

## Clinical Predictors and Outcomes of Invasive Anal Cancer for People With Human Immunodeficiency Virus in an Inception Cohort

04-04-2024 - Oxford University Press

People with human immunodeficiency virus with both cytological anal high-grade squamous intraepithelial lesion and nadir CD4 cell count  $\leq 200/\mu\text{L}$  face 13-fold increased anal cancer risk compared with those lacking both. Anal cancer mortality (21%) occurred exclusively among stage IIIA patients. [Read more...](#)

## Development of Predictive Models to Inform a Novel Risk Categorization Framework for Antibiotic Resistance in Causing Uncomplicated Urinary Tract Infection

04-04-2024 - Oxford University Press

[Read more...](#)

## Surge of Mpox cases in Lombardy region, Italy, October 2023 - January 2024

04-04-2024 - Oxford University Press

[Read more...](#)

## The Many Colors of the AURORA: Trial Design Issues Worth Noting

04-04-2024 - Oxford University Press

[Read more...](#)

## How New Regulation of Laboratory-Developed Antimicrobial Susceptibility Tests Will Affect Infectious Diseases Clinical Practice

04-04-2024 - Oxford University Press

[Read more...](#)

## AURORA: A New Dawn

04-04-2024 - Oxford University Press

[Read more...](#)

## Incidence of Influenza-Related Medical Encounters and the Associated Healthcare Resource Use and Complications Across Adult Age Groups in The United States During the 2015-2020 Influenza Seasons

03-04-2024 - Oxford University Press

[Read more...](#)

## Tuberculosis disease in immunocompromised children and adolescents: a pTBnet multi-centre case-control study

03-04-2024 - Oxford University Press

Immunocompromised children with TB disease in Europe have higher rates of non-respiratory TB and severe disease than non-immunocompromised children. Immune-based tests performed poorly in immunocompromised children. Although the mortality in immunocompromised children was low, a substantial proportion had long-term sequelae. [Read more...](#)

## Twice-Daily Dolutegravir Based Antiretroviral Therapy with One Month of Daily Rifapentine and Isoniazid (1HP) for TB Prevention

03-04-2024 - Oxford University Press

We provide pharmacokinetic, safety and efficacy data in a diverse geographic population supporting the use of twice daily dolutegravir based antiretroviral therapy in people with HIV receiving daily rifapentine and isoniazid (1HP) for tuberculosis prevention. [Read more...](#)

## Emergence of acquired dolutegravir resistance in treatment-experienced people with HIV in Lesotho

03-04-2024 - Oxford University Press

In a cohort study in Lesotho, the prevalence of dolutegravir resistance was 9.4% among people with persistent or recurring HIV viremia  $\geq 18$  months after changing to dolutegravir-based antiretroviral therapy. Better measures are needed for early detection of dolutegravir resistance. [Read more...](#)

## Investigation of an mpox outbreak affecting many vaccinated persons in Chicago, IL—March 2023–June 2023

03-04-2024 - Oxford University Press

In May 2023, we investigated an mpox cluster affecting many vaccinated persons. No cause was identified but cases after two mpox vaccine doses were associated with a higher number of sexual partners and milder infections than those among unvaccinated persons. [Read more...](#)

## Optimization of Mother-to-Child Hepatitis B Virus Prevention Program: Integration of Maternal Screening and Infant Post-vaccination Serologic Testing

02-04-2024 - Oxford University Press

Our study provides real-world evidence concerning the implementation and impact of mother-to-child transmission HBV prevention programs using infant–mother pairs to assess HBsAg prevalence, with a particular focus on the inclusion of maternal antiviral prophylaxis as the standard of care. [Read more...](#)

## Improvement in Health-Related Quality of Life Following Antibiotic Treatment in Nontuberculous Mycobacterial Pulmonary Disease: Initial Analysis of the NTM-KOREA Cohort

02-04-2024 - Oxford University Press

After 6 months of antibiotic treatment for nontuberculous mycobacterial pulmonary disease, health-related quality of life improved in almost one-third of patients, particularly in patients with severe initial symptoms, regardless of culture conversion. [Read more...](#)

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# Clinical Microbiology and Infection

## Systematic review and meta-analysis of the accuracy of Mclsaac and Centor score in patients presenting to secondary care with pharyngitis

06-04-2024 - Ovid

Author Names: Kanagasabai A., Evans C., Jones H.E., Hay A.D., Dawson S., Savovic J., Elwenspoek M.M.C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Systematic review and meta-analysis of the accuracy of Mclsaac and Centor score in patients presenting to secondary care with pharyngitis Year: 2024 Issue: 4 ... [Read more...](#)

## Seeing the whole elephant: designing 'one health' governance to fight antimicrobial resistance

06-04-2024 - Ovid

Author Names: Brunskill I., Somanader D.S., Perrin M., Barkema H.W., Hillier S., Hindmarch S., Topp E., Weese J.S., Wright G.D., Morris A.M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Seeing the whole elephant: designing 'one health' governance to fight antimicrobial resistance Year: 2024 Issue: 4 Volume: ... [Read more...](#)

## **mprF mutations in methicillin-resistant Staphylococcus aureus confer reduced susceptibility to biocides and daptomycin**

06-04-2024 - Ovid

Author Names: Chen M., Wang H., Jiang S., Ji S., Yu Y., Chen Y. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: mprF mutations in methicillin-resistant Staphylococcus aureus confer reduced susceptibility to biocides and daptomycin Year: 2024 Issue: 4 Volume: 30 Abstract: External Resolver Links: <https://libkey>. [Read more...](#)

## **Pleural aspergillosis in an otherwise healthy patient diagnosed by medical thoracoscopy**

06-04-2024 - Ovid

Author Names: Huang X.-Y., Kuang Y.-K., Liu Q.-H., Liao H. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Pleural aspergillosis in an otherwise healthy patient diagnosed by medical thoracoscopy Year: 2024 Issue: 4 Volume: 30 Abstract: External Resolver Links: <https://libkey>. [Read more...](#)

## **Update on microbiota-derived therapies for recurrent Clostridioides difficile infections**

06-04-2024 - Ovid

Author Names: Benech N., Barbut F., Fitzpatrick F., Krutova M., Davies K., Druart C., Cordaillat-Simmons M., Heritage J., Guery B., Kuijper E. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Update on microbiota-derived therapies for recurrent Clostridioides difficile infections Year: 2024 Issue: 4 Volume: 30 ... [Read more...](#)

## **Antibody response and risk of reinfection over 2 years among the patients with first wave of COVID-19**

06-04-2024 - Ovid

Author Names: Peghin M., De Martino M., Palese A., Chiappinotto S., Fonda F., Gerussi V., Sartor A., Curcio F., Grossi P.A., Isola M., Tascini C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Antibody response and risk of reinfection over 2 years among the patients with first wave of COVID-19 Year: 2024 ... [Read more...](#)

## **A family cluster of Streptococcus pyogenes associated with a fatal early-onset neonatal sepsis**

06-04-2024 - Ovid

Author Names: Novazzi F., Colombini L., Perniciaro S., Genoni A., Agosti M., Santoro F., Mancini N. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: A family cluster of Streptococcus pyogenes associated with a fatal early-onset neonatal sepsis Year: 2024 Issue: Volume: Abstract: External Resolver Links: ... [Read more...](#)

## **COVID-19 and geographical area of origin**

06-04-2024 - Ovid

Author Names: Norman F.F., Crespillo-Andujar C., Perez-Molina J.A., Comeche B., Chamorro S., Monge-Maillo B., Moreno-Guillen S., Lopez-Velez R., Vizcarra P., Norman F., Perez-Molina J., Monge B., Moreno S., Perez-Elias M.J., Fortun J., Navas E., Quereda C., Dronda F., Del Campo S., Reinoso J.C., Casado J.L., Moreno A., Martin-Davila P., Hermida J.M., Pintado V., Serrano-Villar S., Sanchez-Conde M., Escudero R., Gioia F. [Read more...](#)

## Catheter size and risk of short-term peripheral venous catheter-associated bloodstream infections: an observational study

06-04-2024 - Ovid

Author Names: Faltoni M., Catho G., Pianca E., Minka-Obama B., Zanella M.-C., Chrait M.-N., Fortchandre L., Harbarth S., Buetti N. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Catheter size and risk of short-term peripheral venous catheter-associated bloodstream infections: an observational study Year: ... [Read more...](#)

## Incidence of tuberculosis in Europe 2001-2021 and relationship to gross domestic product (GDP)-the continued need for levelling-up between European nations

06-04-2024 - Ovid

Author Names: Moore J.E., Millar B.C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Incidence of tuberculosis in Europe 2001-2021 and relationship to gross domestic product (GDP)-the continued need for levelling-up between European nations Year: 2024 Issue: 4 Volume: 30 Abstract: External Resolver ... [Read more...](#)

## Pseudomonas aeruginosa antimicrobial susceptibility profiles, resistance mechanisms and international clonal lineages: update from ESGARS-ESCMID/ISARPAE Group

06-04-2024 - Ovid

Author Names: Oliver A., Rojo-Molinero E., Arca-Suarez J., Besli Y., Bogaerts P., Canton R., Cimen C., Croughs P.D., Denis O., Giske C.G., Graells T., Daniel Huang T.-D., Iorga B.I., Karatuna O., Kocsis B., Kronenberg A., Lopez-Causape C., Malhotra-Kumar S., Martinez L.M., Mazzariol A., Meyer S., Naas T., Notermans D.W., Oteo-Iglesias J., Pedersen T., Pirs M., Poeta P., Poirel L., Pournaras S., Sundsfjord A., Szabo D. [Read more...](#)

## Horizontal gene transfer of a *cfiA* element between two different *Bacteroides* species within a clinical specimen

06-04-2024 - Ovid

Author Names: Veloo A.C.M., Boiten K.E., Hendrickx A.P.A., van Prehn J., Rossen J.W.A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Horizontal gene transfer of a *cfiA* element between two different *Bacteroides* species within a clinical specimen Year: 2024 Issue: 4 Volume: 30 Abstract: External Resolver ... [Read more...](#)

## Clinical relevance, mechanisms, and evolution of polymyxin B heteroresistance carbapenem-resistant *Klebsiella pneumoniae*: A genomic, retrospective cohort study

06-04-2024 - Ovid

Author Names: Luo Q., Xu L., Wang Y., Fu H., Xiao T., Yu W., Zhou W., Zhang K., Shen J., Ji J., Ying C., Xiao Y. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Clinical relevance, mechanisms, and evolution of polymyxin B heteroresistance carbapenem-resistant *Klebsiella pneumoniae*: A genomic, ... [Read more...](#)

## An open call to join the CMI editorial team: editor in virology

06-04-2024 - Ovid

Author Names: Leibovici L. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: An open call to join the CMI editorial team: editor in virology Year: 2024 Issue: 4 Volume: 30 Abstract: External Resolver Links:

<https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid:38316361&id=doi:10.>  
[Read more...](#)

### **Severe fever with thrombocytopenia syndrome complicated by haemophagocytic lymphohistiocytosis: a retrospective cohort study**

06-04-2024 - Ovid

Author Names: Wang G., Ge H.-H., Hu L., Guo P.-J., Cui N., Zhu C.-L., Lin L., Liu W. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Severe fever with thrombocytopenia syndrome complicated by haemophagocytic lymphohistiocytosis: a retrospective cohort study Year: 2024 Issue: 4 Volume: 30 Abstract: External ... [Read more...](#)

### **A systematic review on the excess health risk of antibiotic-resistant bloodstream infections for six key pathogens in Europe**

06-04-2024 - Ovid

Author Names: Hassoun-Kheir N., Guedes M., Ngo Nsoga M.-T., Argante L., Arieti F., Gladstone B.P., Kingston R., Naylor N.R., Pezzani M.D., Pouwels K.B., Robotham J.V., Rodriguez-Bano J., Tacconelli E., Vella V., Harbarth S., de Kraker M.E.A., Barana B., Cappelli E., De Rui M.E., El-Abasiri R.A., Galia L., Geurtsen J., Mejia J., Palladino A., Piljic A., Rajendran N.B., Reyna-Villasmil E., Schmidt J.E. [Read more...](#)

### **A world health assembly resolution on diagnostics: implications for the ESCMID community**

06-04-2024 - Ovid

Author Names: Wilson M.L., Fleming K.A., Sayed S., Walia K., Horton S. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: A world health assembly resolution on diagnostics: implications for the ESCMID community Year: 2024 Issue: 4 Volume: 30 Abstract: External Resolver Links: <https://libkey.> [Read more...](#)

### **Tuberculosis treatment monitoring tests during routine practice: study design guidance**

06-04-2024 - Ovid

Author Names: MacLean E.L.-H., Zimmer A.J., den Boon S., Gupta-Wright A., Cirillo D.M., Cobelens F., Gillespie S.H., Nahid P., Phillips P.P., Ruhwald M., Denkinger C.M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Tuberculosis treatment monitoring tests during routine practice: study design guidance Year: ... [Read more...](#)

### **Development and field validation of a reverse transcription loop-mediated isothermal amplification assay (RT-LAMP) for the rapid detection of chikungunya virus in patient and mosquito samples**

06-04-2024 - Ovid

Author Names: Silva S.J.R.D., Magalhaes J.J.F.D., Matthews Q., Divarzak A.L.L., Mendes R.P.G., Santos B.N.R., Cabral D.G.D.A., Silva J.B.D., Kohl A., Pardee K., Pena L. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Development and field validation of a reverse transcription loop-mediated isothermal ... [Read more...](#)

### **Biomarkers of early SARS-CoV-2 infection before the onset of respiratory symptoms**

06-04-2024 - Ovid



Author Names: Teng O., Quek A.M.L., Nguyen T.M., Wang S., Ng I.X.Q., Fragata L., Mohd-Abu-Bucker F.B., Tambyah P.A., Seet R.C.S. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Biomarkers of early SARS-CoV-2 infection before the onset of respiratory symptoms Year: 2024 Issue: 4 Volume: 30 Abstract: ... [Read more...](#)

### Successful treatment of complicated infective endocarditis due to *Enterococcus faecium* in a patient with substance use disorder using oritavancin as sequential maintenance therapy

06-04-2024 - Ovid

Author Names: Giuliano G., Benedetti S., Sambo M., Pierguidi F., Tumbarello M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Successful treatment of complicated infective endocarditis due to *Enterococcus faecium* in a patient with substance use disorder using oritavancin as sequential maintenance therapy ... [Read more...](#)

### A quasi-experimental study of a bundled diagnostic stewardship intervention for ventilator-associated pneumonia

06-04-2024 - Ovid

Author Names: Albin O.R., Troost J.P., Saravolatz L., Thomas M.P., Hyzy R.C., Konkle M.A., Weirauch A.J., Dickson R.P., Rao K., Kaye K.S. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: A quasi-experimental study of a bundled diagnostic stewardship intervention for ventilator-associated pneumonia Year: 2024 ... [Read more...](#)

### Vagus nerve dysfunction in the post-COVID-19 condition: a pilot cross-sectional study

06-04-2024 - Ovid

Author Names: Lladós G., Massanella M., Coll-Fernández R., Rodríguez R., Hernández E., Lucente G., López C., Loste C., Santos J.R., España-Cueto S., Nevot M., Muñoz-López F., Silva-Arrieta S., Brander C., Dura M.J., Cuadras P., Bechini J., Tenesa M., Martínez-Pineiro A., Herrero C., Chamorro A., García A., Grau E., Clotet B., Paredes R., Mateu L., José M.-M., Carmina R.-F., Anna P., Carla E., Nuria V., Roger V., Julia A., Toni M. [Read more...](#)

### Switch to oral antibiotics in Gram-negative bacteraemia: a randomized, open-label, clinical trial

06-04-2024 - Ovid

Author Names: Omrani A.S., Abujarir S.H., Ben Abid F., Shaar S.H., Yilmaz M., Shaukat A., Alsamawi M.S., Elgara M.S., Alhazzawi M.I., Shunnar K.M., Zaqout A., Aldeeb Y.M., Alfouzan W., Almaslamani M.A., Alqahtani M., Alshaikh F., Nazish M., Almerdasi N., Bangri S., Cakmak R., Kurt C., Yildirim A.A., Tukenmez-Tigen E., Sengel B.E., Balkan I.I., Caglar B., Abufaied M.M., Eledrisi M.S., Abusriwil H., Elmaghoul E. [Read more...](#)

### Pandemic preparedness beyond COVID-19: what we know, what we do, and what we do not

06-04-2024 - Ovid

Author Names: Pericas J.M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Pandemic preparedness beyond COVID-19: what we know, what we do, and what we do not Year: 2024 Issue: Volume: Abstract: External Resolver Links: <https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid:3846> ... [Read more...](#)

## Bacterial load in cerebrospinal fluid predicts unfavourable outcome in pneumococcal meningitis: a prospective nationwide cohort study

06-04-2024 - Ovid

Author Names: Chekrouni N., van Soest T.M., da Cruz Campos A.C., Brouwer M.C., van de Beek D.  
Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Bacterial load in cerebrospinal fluid predicts unfavourable outcome in pneumococcal meningitis: a prospective nationwide cohort study Year: 2024 Issue: Volume: ... [Read more...](#)

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## Current Opinion in Microbiology

### Histone code: a common language and multiple dialects to meet the different developmental requirements of apicomplexan parasites

07-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Victoria Jeffers [Read more...](#)

### The intricate organizational strategy of nucleus-forming phages

07-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Amy Prichard, Joe Pogliano [Read more...](#)

### The type IVc pilus: just a Tad different

05-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Gregory B Whitfield, Yves V Brun [Read more...](#)

### Virulence-associated factors as targets for phage infection

04-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Alessandra G de Melo, Carlee Morency, Sylvain Moineau [Read more...](#)

### Getting to the point: unipolar growth of Hyphomicrobiales

04-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Jennifer Amstutz, Elizaveta Krol, Audrey Verhaeghe, Xavier De Bolle, Anke Becker, Pamela JB Brown [Read more...](#)

### Proteomic composition of eukaryotic and bacterial RNA decay condensates suggests convergent evolution

04-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): IW Rathnayaka-Mudiyanselage, V Nandana, JM Schrader [Read more...](#)

### Regulation of sexual commitment in malaria parasites — a complex affair

04-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Till S Voss, Nicolas MB Brancucci [Read more...](#)

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## Current Opinion in Virology

### Inhaled aerosol viral-vectored vaccines against tuberculosis

04-04-2024 - *ScienceDirect*

Publication date: June 2024 Source: Current Opinion in Virology, Volume 66 Author(s): Elena Stylianou, Iman Satti [Read more...](#)

### Journey of monocytes and macrophages upon influenza A virus infection

02-04-2024 - *ScienceDirect*

Publication date: June 2024 Source: Current Opinion in Virology, Volume 66 Author(s): Cecilia Ruscitti, Coraline Radermecker, Thomas Marichal [Read more...](#)

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## Diagnostic Microbiology and Infectious Disease

### Antigen-functionalized turnip mosaic virus nanoparticles increase antibody sensing in saliva. A case study with SARS-CoV-2 RBD

07-04-2024 - *ScienceDirect*

Publication date: Available online 7 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Carlos Medrano-Arranz, Sara Rincón, Lucía Zurita, Fernando Ponz, Daniel A. Truchado [Read more...](#)

### The role of Staphylococcus aureus in Cystic Fibrosis Pathogenesis and Clinico-Microbiological Interactions

05-04-2024 - *ScienceDirect*

Publication date: Available online 4 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Elham Sheykhsaran, Amin Abbasi, Mohammad Yousef Memar, Reza Ghotaslou, Hossein Bannazadeh Baghi, Fariba Naeimi Mazraeh, Delara Laghousi, Javid Sadeghi [Read more...](#)

### Post-pandemic trends: epidemiological and etiological insights into acute respiratory infections in southern China

05-04-2024 - *ScienceDirect*

Publication date: Available online 4 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Yuquan Gao, Xudong Feng, Ting Yuan, Min Li, Muyun Wei, Shuangshuang Li [Read more...](#)

### Increased Rheumatoid Factor production in patients with severe COVID-19

05-04-2024 - *ScienceDirect*

Publication date: Available online 4 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): ELGHALI Mourad, I BANNOUR, I TOUIL, M CHANGUEL, Y BRAHEM, O JAOUED, N BOUDAWARA, H IBN HADJ AMOR, S ELATROUS, J KNANI, N SAKLY [Read more...](#)

### Evaluation of the SARS-CoV-2 RNA detection reagent LAMPdirect Genelyzer KIT using nasopharyngeal swab and saliva samples

04-04-2024 - *ScienceDirect*

Publication date: Available online 4 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Junko S. Takeuchi, Kento Fukano, Yumiko Kito, Kei Yamamoto, Moto Kimura [Read more...](#)

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## Emerging Infectious Diseases Journal - CDC

## Analysis of Suspected Measles Cases with Discrepant Measles-Specific IgM and rRT-PCR Test Results, Japan

05-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

## Identifying Contact Time Required for Secondary Transmission of Clostridioides difficile Infections by Using Real-Time Locating System

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

## Case Series of Jamestown Canyon Virus Infections with Neurologic Outcomes, Canada, 2011–2016

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

V. Meier-Stephenson et al. [Read more...](#)

## Novel Variant and Known Mutation in 23S rRNA Gene of Mycoplasma pneumoniae, Northern Vietnam, 2023

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

## Mpox Diagnosis, Behavioral Risk Modification, and Vaccination Uptake among Gay, Bisexual, and Other Men Who Have Sex with Men, United Kingdom, 2022

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

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# European Journal of Clinical Microbiology and Infectious Disease

## Emerging and re-emerging infectious diseases in pregnant women in an amazonian region: a large retrospective study from French Guiana

07-04-2024 - Springer

**Abstract Purpose** Over the past decade, the Amazon basin has faced numerous infectious epidemics. Our comprehension of the actual extent of these infections during pregnancy remains limited. This study aimed to clarify the clinical and epidemiological features of emerging and re-emerging infectious diseases during pregnancy in western French Guiana and along the Maroni River over the previous ... [Read more...](#)

## An observational prospective study based on a large cohort of HIV-negative neurosyphilis patients with particular reference to the Jarisch-Herxheimer reaction

02-04-2024 - Springer

**Abstract Purpose** The purpose of this study is to outline a complete picture of Jarisch-Herxheimer reaction (JHR) in the central nervous system among HIV-negative neurosyphilis patients. **Methods** A prospective study cohort of 772 cases with almost all stages of neurosyphilis depicted the features of JHR including occurrence rate, risk profiles, clinical manifestations, ... [Read more...](#)

## Molecular and serological evidence of chikungunya virus infection with high case fatality among pediatric population with acute encephalitis syndrome: first report from Eastern Uttar Pradesh, India

02-04-2024 - Springer

Abstract Acute encephalitis syndrome (AES) outbreaks in children of Eastern Uttar Pradesh (E-UP) region of India have been a longstanding public health issue, with a significant case fatality rate of 20–25%. Since past decade, a rise in chikungunya (CHIK) cases has been occurring, which is a reported etiology of AES. However, the burden of chikungunya virus (CHIKV) among pediatric AES (pAES) ... [Read more...](#)

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## Eurosurveillance

### [Neonatal Elizabethkingia anophelis meningitis originating from the water reservoir of an automated infant milk dispenser, the Netherlands, February 2024](#)

*04-04-2024 - Eurosurveillance*

Elizabethkingia anophelis is a multidrug-resistant pathogen causing high mortality and morbidity in adults with comorbidities and neonates. We report a Dutch case of E. anophelis meningitis in a neonate, clonally related to samples taken from an automated infant milk dispenser located at the family's residence. We inform about the emergence of E. anophelis and suggest molecular surveillance ... [Read more...](#)

### [The approach to developing Ireland's first national health protection strategy and lessons learnt, December 2021 to October 2022](#)

*04-04-2024 - Eurosurveillance*

The COVID-19 pandemic highlighted the importance of strengthening health protection worldwide. To address this as a public health priority in Ireland, between December 2021 and October 2022 the first national Health Protection Strategy (2022-2027) for the Irish Health Service Executive (HSE) was developed. We describe the approach taken to develop a first national health protection strategy ... [Read more...](#)

### [Detection of dengue in German tourists returning from Ibiza, Spain, related to an autochthonous outbreak, August to October 2022](#)

*04-04-2024 - Eurosurveillance*

In February 2023, German public health authorities reported two dengue cases (one confirmed, one probable) and four possible cases who travelled to Ibiza, Spain, in late summer/autumn 2022 the infection was probably acquired through mosquito bites. Case 1 visited Ibiza over 1 week in late August with two familial companions all three developed symptoms the day after returning home. [Read more...](#)

### [Pertussis epidemic in Denmark, August 2023 to February 2024](#)

*04-04-2024 - Eurosurveillance*

We report a record high pertussis epidemic in Denmark since August 2023. Highest incidence was in adolescents, while peak incidence in infants was lower vs previous epidemics in 2019 and 2016. Among infants aged 0-2 months, over half (29/48) were hospitalised and one infant died, underlining the disease severity in the youngest. To protect infants, pertussis vaccination in pregnant women was ... [Read more...](#)

### [Outbreak of carbapenemase-producing Citrobacter farmeri in an intensive care haematology department linked to a persistent wastewater reservoir in one hospital room, France, 2019 to 2022](#)

*04-04-2024 - Eurosurveillance*

In 2019-2022, a prolonged outbreak of oxacillinase (OXA)-48-producing Citrobacter farmeri due to a persistent environmental contamination, occurred in our haematology intensive care unit. In April 2019, we isolated OXA-48-producing C. farmeri from rectal samples of two patients in weekly screenings. The cases had stayed in the same hospital room but 4 months apart. [Read more...](#)

## Infection

### Correction: 'Lesion on the back of the hand in a hematopoietic stem cell transplant recipient'

07-04-2024 - Springer

[Read more...](#)

### Correspondence: serum neutralization of SARS-CoV-2 Omicron sublineages BA.1, BA.2 and BA.5 in lung transplant recipients receiving prophylactic tixagevimab/cilgavimab

07-04-2024 - Springer

[Read more...](#)

### The yeast genus *Tardiomyces* gen. nov. with one new species and two new combinations

04-04-2024 - Springer

**Abstract Purpose** Rare yeasts species are increasingly reported as causative agents of invasive human infection. Proper identification and antifungal therapy are essential to manage these infections. *Candida blankii* is one of these emerging pathogens and is known for its reduced susceptibility to multiple antifungals. **Methods** To obtain more insight into the characteristics of this species, ... [Read more...](#)

### Efficacy and safety of oral ibrexafungerp in Chinese patients with vulvovaginal candidiasis: a phase III, randomized, double-blind study

03-04-2024 - Springer

**Abstract Purpose** To evaluate the efficacy and safety of oral ibrexafungerp (HS-10366) versus placebo in Chinese patients with vulvovaginal candidiasis (VVC). **Methods** A double-blind, placebo-controlled, randomized, multicenter phase III study was conducted in symptomatic VVC patients. Patients received (2:1) twice-daily oral ibrexafungerp 300 mg or matching placebo for 1 day. [Read more...](#)

### First imported case of *Candida auris* infection in Milan, Italy: genomic characterisation

01-04-2024 - Springer

**Abstract Purpose** *Candida auris*, an emerging multidrug-resistant yeast, has been reported worldwide. In Italy, the first case was reported in 2019. We describe the first case of *C. auris*, imported from Greece, in Milan, using whole genome sequencing to characterise mutations associated with antifungal resistance. **Case presentation** On October 2022 an 80-year-old Italian man was hospitalised in ... [Read more...](#)

## Infection Control & Hospital Epidemiology

### Predictors of SARS-CoV-2 transmission in congregate living settings: a multicenter prospective study

02-04-2024 - Cambridge University Press

[Read more...](#)

### Separating the rash from the chaff: novel clinical decision support deployed during the mpox outbreak

02-04-2024 - Cambridge University Press

[Read more...](#)

### Evidence of transmission of New Delhi metallo- $\beta$ -lactamase-producing through a gastrointestinal endoscope without an elevator channel

02-04-2024 - Cambridge University Press

[Read more...](#)

### Bacterial contamination of surgical gloves during clean orthopedic surgery

02-04-2024 - Cambridge University Press

[Read more...](#)

### An evaluation of outcomes and hospital readmissions among individuals with candidemia using statewide surveillance

02-04-2024 - Cambridge University Press

[Read more...](#)

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## International Journal of Infectious Diseases

### TCR $\alpha\beta$ -depleted hematopoietic stem cell transplant and third-party CD45RA+ depleted adoptive cell therapy for treatment of post-transplant parvovirus B19 aplastic crisis

06-04-2024 - ScienceDirect

Publication date: Available online 5 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Manpin Zhang, Chengjuan Luo, Jianmin Wang, Hua Zhu, Changying Luo, Xia Qin, Xiaohang Huang, Yuchen Lin, Jing Chen [Read more...](#)

### Unveiling the role of preceding seasonal influenza in the development of bacteremic pneumococcal pneumonia in older adults before the COVID-19 pandemic in Japan

06-04-2024 - ScienceDirect

Publication date: Available online 5 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Kosuke Tamura, Reiko Shimbashi, Ayu Kasamatsu, Bin Chang, Kenji Gotoh, Yoshinari Tanabe, Koji Kuronuma, Kengo Oshima, Takaya Maruyama, Masashi Nakamatsu, Shuichi Abe, Kei Kasahara, Junichiro Nishi, Yu Arakawa, Yuki Kinjo, Motoi Suzuki, Yukihiro Akeda, Kazunori Oishi, Adult IPD Study Group [Read more...](#)

### A severe case of Plasmodium falciparum malaria in a traveler returning from Kazakhstan, a malaria-free country

06-04-2024 - ScienceDirect

Publication date: Available online 5 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Thirumalaisamy P. Velavan, Wim A. Fleischmann, Peter G. Kremsner [Read more...](#)

### Neutralizing antibody response to XBB.1.5, BA.2.86, FL.1.5.1 and JN.1 six months after the BNT162b2 bivalent booster

06-04-2024 - ScienceDirect

Publication date: Available online 5 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Julien Favresse, Constant Gillot, Julien Cabo, Clara David, Jean-Michel Dogné, Jonathan Douxfils [Read more...](#)

## Sociodemographic and clinical characteristics associated with maternal and congenital syphilis-A prospective study in Peru

06-04-2024 - [ScienceDirect](#)

Publication date: Available online 5 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Cesar P Carcamo, Carlos Velasquez, Sandra C. Rocha, Arturo Centurion-Lara, Lorena Lopez-Torres, Nikhat Parveen [Read more...](#)

## Corrigendum to “Propensity-Score Analysis Reveals that Sex is Not a Prognostic Factor for Mortality in Intensive Care Unit-Admitted Patients with Septic Bacteremia” [International Journal of Infectious Diseases, volume 110 (2021) pages 36-44]

06-04-2024 - [ScienceDirect](#)

Publication date: June 2024  
Source: International Journal of Infectious Diseases, Volume 143  
Author(s): Manuel Ponce-Alonso, Borja M. Fernández-Félix, Ana Halperin, Mario Rodríguez-Domínguez, Ana M. Sánchez-Díaz, Rafael Cantón, Alfonso Muriel, Javier Zamora, Rosa del Campo [Read more...](#)

## Microbial aetiology of community-acquired pneumonia in hospitalized adults: a prospective study utilising comprehensive molecular testing

05-04-2024 - [ScienceDirect](#)

Publication date: Available online 4 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Dagfinn Lunde Markussen, Øyvind Kommedal, Siri Tandberg Knoop, Marit Helen Ebbesen, Rune Oskar Bjørneklett, Christian Ritz, Lars Heggelund, Elling Ulvestad, Sondre Serigstad, Harleen M.S. Grewal [Read more...](#)

## A Case of Tick-borne Yezo Virus Infection: Concurrent Detection in the Patient and Tick

04-04-2024 - [ScienceDirect](#)

Publication date: Available online 3 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Yusuke Ogata, Tasuku Sato, Kanji Kato, Kazuhiro Kikuchi, Kazuya Mitsuhashi, Kei Watari, Kazuma Tamiya, Akiko Goto, Hiroki Yamaguchi, Ryo Hisada [Read more...](#)

## An inconspicuous identification: isolation and identification of a novel Pichia species presenting as fungemia following cardiac surgery.

04-04-2024 - [ScienceDirect](#)

Publication date: Available online 4 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Allorie T. Caldwell, Toni Gabaldón, Verónica Mixão, Nancy L. Wengenack, Benjamin P. Westley, Ryan W. Stevens [Read more...](#)

## Risk of herpes zoster in adults with SARS-CoV-2 infection in Spain: a population-based, retrospective cohort study

03-04-2024 - [ScienceDirect](#)

Publication date: Available online 2 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Elisa Correcher-Martínez, Mónica López-Lacort, Cintia Muñoz-Quiles, Javier Díez-Domingo, Alejandro Orrico-Sánchez [Read more...](#)

## A systematic review of immunosuppressive risk factors and comorbidities associated with the development of crusted scabies.

02-04-2024 - [ScienceDirect](#)

Publication date: Available online 1 April 2024  
Source: International Journal of Infectious Diseases  
Author(s): Gianni Bergamin, Joshua Hudson, Bart J Currie, Kate E Mounsey [Read more...](#)

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## Journal of Clinical Microbiology

**Erratum for Brown-Elliott et al., "Emergence of Inducible Macrolide Resistance in Mycobacterium chelonae Due to Broad-Host-Range Plasmid and Chromosomal Variants of the Novel 23S rRNA Methylase Gene, erm(55)"**

05-04-2024 - American Society for Microbiology

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

**Development and evaluation of an artificial intelligence for bacterial growth monitoring in clinical bacteriology**

04-04-2024 - American Society for Microbiology

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

**Automated detection of methicillin-resistant Staphylococcus aureus with the MRSA CHROM imaging application on BD Kiestra Total Lab Automation System**

03-04-2024 - American Society for Microbiology

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

**An evolution of Nanopore next-generation sequencing technology: implications for medical microbiology and public health**

02-04-2024 - American Society for Microbiology

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

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## Journal of Infection

**Viruses associated with measles-like illnesses in Uganda**

06-04-2024 - Elsevier

In this study, we investigated the causes of measles-like illnesses (MLI) in the Uganda national surveillance programme in order to inform diagnostic assay selection and vaccination strategies.

[Read more...](#)

**Genomic evolution of human respiratory syncytial virus during a decade (2013-2023): bridging the path to monoclonal antibody surveillance**

06-04-2024 - Elsevier

This study investigated the prevalence, genetic diversity, and evolution of human respiratory syncytial virus (HRSV) in Barcelona from 2013 to 2023. [Read more...](#)

**Change in Age profile of Respiratory Syncytial Virus disease over the course of annual epidemics: a multi-national study**

05-04-2024 - Elsevier

We aimed to study whether the percentwise age distribution of RSV cases changes over time during annual epidemics. [Read more...](#)

**Transcriptomic crosstalk between viral and host factors drives aberrant homeostasis of T-cell proliferation and cell death in HIV-infected immunological non-responders**

04-04-2024 - Elsevier

Immunological non-responders (INRs) among people living with HIV have inherently higher mortality and morbidity rates. The underlying immunological mechanisms whereby failure of immune reconstitution occurs in INRs require elucidation. [Read more...](#)

## Parasitological and clinical effects of malaria chemoprevention with sulfadoxine-pyrimethamine in pregnant women from southern Mozambique

02-04-2024 - Elsevier

The effectiveness of intermittent preventive treatment of malaria in pregnancy with sulfadoxine-pyrimethamine (IPTp-SP) is threatened by increasing SP resistance in Africa. We assessed the level of SP-resistance markers, and the clinical and parasitological effectiveness of IPTp-SP in southern Mozambique. [Read more...](#)

## An early and trustable indicator suggestive of non-tuberculosis mycobacteria isolation in a high Tuberculosis burden setting

02-04-2024 - Elsevier

Distinguishing between non-tuberculous mycobacterial (NTM) lung infections and pulmonary tuberculosis becomes challenging due to their similar clinical manifestations and radiological images. Consequently, instances of delayed diagnosis or misdiagnosis are highly frequent. A feasible and reliable indicator of the existence of NTM in the early stages of the disease would help to solve this dilemma. [Read more...](#)

## “Risk of death in *Klebsiella pneumoniae* bloodstream infections is associated with specific phylogenetic lineages.”

02-04-2024 - Elsevier

*Klebsiella pneumoniae* species complex (KpSC) bloodstream infections (BSIs) are associated with considerable morbidity and mortality, particularly in elderly and multimorbid patients. Multidrug resistant (MDR) strains have been associated with poorer outcome. However, the clinical impact of KpSC phylogenetic lineages on BSI outcome is unclear. [Read more...](#)

## Role of SARS-CoV-2 mutations in the evolution of the COVID-19 pandemic

01-04-2024 - Elsevier

The SARS-CoV-2 pandemic and large-scale genomic surveillance provided an exceptional opportunity to analyze mutations that appeared over three years in viral genomes. Here we studied mutations and their epidemic consequences for SARS-CoV-2 genomes from our center. [Read more...](#)

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# Journal of Medical Microbiology

## CXCR2 perturbation promotes *Staphylococcus aureus* implant-associated infection

03-04-2024 - Microbiology Society

Introduction. *Staphylococcus aureus* is the leading cause of acute medical implant infections, representing a significant modern medical concern. The success of *S. aureus* as a pathogen in these cases resides in its arsenal of virulence factors, resistance to multiple antimicrobials, mechanisms of immune modulation, and ability to rapidly form biofilms associated with implant surfaces. *S.* [Read more...](#)

## Characterization of invasive Group B *Streptococcus* isolates from Western Australian infants, 2004–2020

03-04-2024 - Microbiology Society

Background. Invasive Group B *Streptococcus* (GBS *Streptococcus agalactiae*) remains a leading cause of infant morbidity and mortality. Intrapartum antibiotic prophylaxis (IAP) has been implemented in many countries with a reduction in early-onset disease, but an effective vaccine may further reduce the disease burden. Candidate vaccines targeting capsular polysaccharides and surface proteins ... [Read more...](#)

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## Journal of Microbiology, Immunology and Infection

**Epidemiology and antimicrobial susceptibility profiles of Enterobacterales causing bloodstream infections before and during COVID-19 pandemic: Results of the Study for Monitoring Antimicrobial Resistance Trends (SMART) in Taiwan, 2018-2021**

07-04-2024 - *ScienceDirect*

Publication date: Available online 7 April 2024 Source: Journal of Microbiology, Immunology and Infection Author(s): Yu-Lin Lee, Chun-Eng Liu, Hung-Jen Tang, Yu-Tsung Huang, Yao-Shen Chen, Po-Ren Hsueh [Read more...](#)

**Complete response to front-line therapies is associated with long-term survival in HIV-related lymphomas in Taiwan**

07-04-2024 - *ScienceDirect*

Publication date: Available online 6 April 2024 Source: Journal of Microbiology, Immunology and Infection Author(s): Wei-Li Ma, Wang-Da Liu, Hsin-Yun Sun, Wang-Huei Sheng, Szu-Min Hsieh, Shang-Ju Wu, Chien-Ching Hung [Read more...](#)

**Influenza and the risk of active tuberculosis occurrence among individuals with latent tuberculosis infection: a national cohort study in South Korea (2015–2020)**

06-04-2024 - *ScienceDirect*

Publication date: Available online 5 April 2024 Source: Journal of Microbiology, Immunology and Infection Author(s): Jaehee Lee, Hyewon Seo, Dohyang Kim, Jinseub Hwang, Jin-Won Kwon [Read more...](#)

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## The Lancet

**[Comment] Closing the gap in paediatric HIV infections: how available tools and technology can accelerate progress towards ending AIDS by 2030**

11-03-2024 - *Elsevier*

Despite declining HIV incidence and AIDS-related deaths globally, progress against HIV elimination remains fragile in many countries and acutely inadequate among priority populations, such as children and adolescent girls and young women, especially in low-income and middle-income countries.<sup>1</sup> The global agenda of Ending AIDS by 2030 elaborated by the Global AIDS Strategy 2021–2026<sup>2</sup> is a ... [Read more...](#)

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## The Lancet: Microbe

**[Editorial] Shoring up the foundations of pathogen surveillance**

04-04-2024 - *Elsevier*

In February, WHO announced the creation of a “catalytic grant fund” to support work into pathogen genomic surveillance. The emphasis is on supporting projects in low-income and middle-income countries that explore how to accelerate the expansion of surveillance. The early financing of the fund comes from familiar philanthropic sources: the Bill & Melinda Gates Foundation, ... [Read more...](#)

**[News] Phase 2 trial of a novel tuberculosis drug launched**

04-04-2024 - *Elsevier*

During the Union World Conference on Lung Health 2023, held in Paris, France, on Nov 15–18, results from preclinical studies and a phase 1 trial of a novel candidate tuberculosis drug were

presented. The new compound, named TBAJ-876, belongs to the diarylquinoline class of antibiotics (like bedaquiline). [Read more...](#)

### **[Articles] Anorectal *Neisseria gonorrhoeae* infections in women with and without reported anal sex and sex workers in sexual health centres in the Netherlands: a retrospective cohort study**

04-04-2024 - Elsevier

These findings support the possibility of an autoinoculation process from the urogenital to the anorectal location due to the very strong correlation between urogenital and anorectal gonorrhoea, and due to the similarity of results across all three groups. Current testing strategies could miss anorectal infections, which should be considered when developing gonorrhoea prevention and control ... [Read more...](#)

### **[Articles] Non-SARS-CoV-2 respiratory viral detection and whole genome sequencing from COVID-19 rapid antigen test devices: a laboratory evaluation study**

04-04-2024 - Elsevier

Non-SARS-CoV-2 respiratory viruses can be detected and sequenced from COVID-19 rapid antigen devices. Recovery of near full-length viral sequences from these devices provides a valuable opportunity to expand genomic surveillance programmes for public health monitoring of circulating respiratory viruses. [Read more...](#)

### **[Correspondence] Heteroresistance is a cause of discrepant antibiotic susceptibility testing results**

04-04-2024 - Elsevier

Antibiotic susceptibility testing (AST) can be an essential step in antibiotic therapy and guides the use of drugs considered to be effective in vitro against a given isolate. Conflicting results obtained from susceptibility tests can lead to confusion about the selection of antibiotics for treatment, confound the work of standards bodies such as the Clinical & Laboratory Standards Institute ... [Read more...](#)

### **[Comment] Emerging threats: global distribution and diversity of carbapenem resistance genes in *Kluyvera intermedia***

04-04-2024 - Elsevier

*Kluyvera intermedia*, a ubiquitous species of enterobacteria, which has the potential to harbour and spread antimicrobial resistance genes associated with critically important antimicrobials in human medicine, has been underestimated. The fight against antimicrobial resistance (AMR) depends on our ability to identify the drivers of AMR dissemination. Therefore, ... [Read more...](#)

### **[Comment] Influenza incidence, lineages, and vaccine effectiveness estimates in Lima, Peru, 2023**

04-04-2024 - Elsevier

Characterisation of influenza viruses in the southern hemisphere can guide local response and provide insights to northern hemisphere jurisdictions about their upcoming influenza season.<sup>1,2</sup> Here, we present the information on 2023 end of influenza season in the southern hemisphere about influenza lineages, incidence of medically attended, laboratory-confirmed influenza cases, ... [Read more...](#)

### **[Articles] Effect of tebipenem pivoxil hydrobromide on the normal gut microbiota of a healthy adult population in Sweden: a randomised controlled trial**

04-04-2024 - Elsevier

The impact of tebipenem pivoxil hydrobromide on the gut microbiome was similar to that of amoxicillin–clavulanic acid. The safety of antibiotic use with regard to the microbiome should be given attention, as dysbiosis is associated with health and disease. [Read more...](#)

**[Articles] Accuracy of the tuberculosis molecular bacterial load assay to diagnose and monitor response to anti-tuberculosis therapy: a longitudinal comparative study with standard-of-care smear microscopy, Xpert MTB/RIF Ultra, and culture in Uganda**

04-04-2024 - Elsevier

TB-MBLA has a similar performance to Xpert-Ultra for pretreatment diagnosis of tuberculosis, but is more accurate at detecting and characterising the response to treatment than Xpert-Ultra and standard-of-care smear microscopy. [Read more...](#)

**[News] GONE to combat onchocerciasis**

04-04-2024 - Elsevier

The first meeting of the Global Onchocerciasis Network for Elimination (GONE) was held in Mbour, Senegal, on Nov 1–2, 2023. Over 150 partners attended the meeting, including coordinators from endemic countries, researchers, donors, and civil society organisations. Their aim was to strengthen their joint efforts for eliminating onchocerciasis, a neglected tropical disease (NTD) caused by the ... [Read more...](#)

**[Correspondence] Characteristics of the SARS-CoV-2 omicron HK.3 variant harbouring the FLip substitution**

04-04-2024 - Elsevier

As of November, 2023, SARS-CoV-2 XBB variants, including EG.5.1 (XBB.1.9.2.5.1), the currently predominant lineage, have been circulating worldwide, according to Nextstrain datasets. The EG.5.1 strain has a characteristic amino acid substitution in the spike protein (S S:F456L), which allows the strain to escape humoral immunity (appendix p 16).<sup>1</sup> EG.5.1 has further evolved, ... [Read more...](#)

**[Articles] Tracing the origin of SARS-CoV-2 omicron-like spike sequences detected in an urban sewershed: a targeted, longitudinal surveillance study of a cryptic wastewater lineage**

04-04-2024 - Elsevier

We propose that prolonged detection of WI-CL-001 in wastewater indicates persistent shedding of SARS-CoV-2 from a single human initially infected by an ancestral B.1.234 virus. The accumulation of convergent omicron-like mutations in WI-CL-001's ancestral B.1.234 genome probably reflects persistent infection and extensive within-host evolution. People who shed cryptic lineages could be an ... [Read more...](#)

**[Correspondence] Dynamics and persistence of antimicrobial resistance genes and gut microbiome after travel**

04-04-2024 - Elsevier

We read with interest an Article published in The Lancet Microbe by Colin J Worby and colleagues.<sup>1</sup> They examined the changes in gut microbiome and antimicrobial resistant organisms in a cohort of US travellers before and after international travel. They found that the travellers frequently acquired Enterobacteriaceae and antimicrobial resistance genes (ARGs), ... [Read more...](#)

**[Articles] Whole-genome characterisation of Escherichia coli isolates from patients with bacteraemia presenting with sepsis or septic shock in Spain: a multicentre cross-sectional study**

04-04-2024 - Elsevier

In this exploratory study, the population structure of E coli causing sepsis or shock was similar to previous studies that included all bacteraemic isolates. Virulence genes, pathogenicity islands, and AMR genes were not randomly distributed among phylogroups or STs. These results provide a comprehensive characterisation of invasive E coli isolates causing severe response syndrome. [Read more...](#)

### [\[Articles\] Diagnostic tests for human \*Schistosoma mansoni\* and \*Schistosoma haematobium\* infection: a systematic review and meta-analysis](#)

04-04-2024 - Elsevier

Although NAATs and immunological diagnostics show promise, the limited information available precludes drawing definitive conclusions. Additional research on diagnostic accuracy and cost-effectiveness is needed before the replacement of conventional tests can be considered. [Read more...](#)

### [\[Articles\] Benchmarking CRISPR-BP34 for point-of-care melioidosis detection in low-income and middle-income countries: a molecular diagnostics study](#)

04-04-2024 - Elsevier

The sensitivity, specificity, speed, and window of clinical intervention offered by CRISPR-BP34 support its prospective use as a point-of-care diagnostic tool for melioidosis. Future development should be focused on scalability and cost reduction. [Read more...](#)

### [\[Personal View\] Human T-lymphotropic virus type 1 and antiretroviral therapy: practical considerations for pre-exposure and post-exposure prophylaxis, transmission prevention, and mitigation of severe disease](#)

04-04-2024 - Elsevier

Human T-lymphotropic virus type 1 (HTLV-1) is a retrovirus associated with substantial risk of secondary (often life-threatening) disease for the estimated 10 million to 20 million people infected globally. Despite a clear need, no HTLV-1-specific vaccine or antiretroviral therapy has been developed to date. Instead, existing public and primary health-care interventions inadequately focus on ... [Read more...](#)

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## Morbidity and Mortality Weekly Report

### [QuickStats: Life Expectancy at Birth, by Sex — United States, 2019–2022](#)

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes life expectancy at birth from 2019–2022. [Read more...](#)

### [Notice to Readers: Change in Publication Date of QuickStats](#)

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

A notice to readers that MMWR will publish QuickStats on a bimonthly basis. [Read more...](#)

### [Surveillance To Track Progress Toward Polio Eradication — Worldwide, 2022–2023](#)

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes poliovirus surveillance in countries at high risk for polio transmission. [Read more...](#)

### [Federal Retail Pharmacy Program Contributions to Bivalent mRNA COVID-19 Vaccinations Across Sociodemographic Characteristics — United States, September 1, 2022–September 30, 2023](#)

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes the number of COVID-19 bivalent vaccine doses administered by Federal Retail Pharmacy Program partners. [Read more...](#)

### [Erratum: Vol. 71, No. 19](#)

04-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

Erratum: Vol. 71, No. 19 [Read more...](#)

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## Nature Reviews Microbiology

### The wound microbiota: microbial mechanisms of impaired wound healing and infection

05-04-2024 - Nature

Nature Reviews Microbiology, Published online: 04 April 2024 doi:10.1038/s41579-024-01035-z In this Review, Uberoi, McCready-Vangi and Grice explore the diversity of microorganisms present in wounds and examine the mechanisms through which they invade skin tissues, impair skin repair and cause infection. [Read more...](#)

### Microbial food spoilage: impact, causative agents and control strategies

03-04-2024 - Nature

Nature Reviews Microbiology, Published online: 03 April 2024 doi:10.1038/s41579-024-01037-x In this Review, Snyder et al. discuss the global impacts of food spoilage, mechanisms and causative agents, and strategies and emerging tools to control microbial food spoilage. [Read more...](#)

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## NEJM Journal Watch: Infectious Diseases

### Do Antibiotics with Extended Anaerobic Coverage Benefit Patients with Aspiration Pneumonia?

04-04-2024 - Massachusetts Medical Society

In a retrospective cohort study of treatment for aspiration pneumonia, anaerobic coverage did not confer mortality benefit — but did raise risk for *C. difficile* colitis. [Read more...](#)

### Observations from ID and Beyond: Think Again Before Sending Your Patient Home on Intravenous Vancomycin

01-04-2024 - Massachusetts Medical Society

Dr. Paul Sax discusses why it's time to demote vancomycin when discharging patients who need ongoing antibiotic therapy in HIV and ID Observations. [Read more...](#)

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## UKHSA affiliation

### UKHSA Affiliation

#### Health economic impact of early versus delayed treatment of herpes simplex virus encephalitis in the UK

06-04-2024 - Ovid

Author Names: Defres S., Navvuga P., Hardwick H., Easton A., Michael B.D., Kneen R., Griffiths M.J., Medina-Lara A., Solomon T., Backman R., Baker G., Beeching N.J., Breen R., Brown D., Cheyne C., Carrol E.D., Davies N.W.S., Eccles M., Foy R., Garcia-Finana M., Granerod J., Griem J., Gummery A., Harris L., Hickey H., Hill H., Jacoby A., Kierans C., Kopelman M., Lancaster G., Levin M., McDonald R., Menson E., Martin N. [Read more...](#)

#### Effect of second booster vaccinations and prior infection against SARS-CoV-2 in the UK SIREN healthcare worker cohort

06-04-2024 - Ovid

Author Names: Kirwan P.D.,Hall V.J.,Foulkes S.,Otter A.D.,Munro K.,Sparkes D.,Howells A.,Platt N.,Broad J.,Crossman D.,Norman C.,Corrigan D.,Jackson C.H.,Cole M.,Brown C.S.,Atti A.,Islam J.,Lewis T.,Bain S.,Thomas R.,Geen J.,Pothecary C.,Cutler S.,Northfield J.,Price C.,Tomlinson J.,Knight S.,Macnaughton E.,Watson E.,Lazarus R.,Sinclair A.,Galliford J.,Masunda B.,Mahungu T.,Rodger A.,Hanison E. [Read more...](#)

### **Relationship between socio-descriptive characteristics, burnout syndrome, and quality of life of employees**

06-04-2024 - Ovid

Author Names: Rancic N.K.,Veljkovic D.R.,Mirkovic M.R.,Kulic L.M.,Jovanovic V.S.,Stamenkovic B.N.,Maksimovic N.S.,Ciric V.M.,Marinkov-Zivkovic E.M.,Giljaca S.D.,Dordevic G.,Dordevic O.G.,Stojanovic M.M.,Bojanic N.Z.,Miljkovic D.P.,Otasevic S.A. Database Source: Embase Weekly Updates Journal Title: Frontiers in public health Article Title: Relationship between socio-descriptive characteristics, ... [Read more...](#)

### **Current state of COVID-19 in children: 4 years on**

06-04-2024 - Ovid

Author Names: Powell A.A.,Dowell A.C.,Moss P.,Ladhani S.N. Database Source: Embase Weekly Updates Journal Title: Journal of Infection,Journal of Infection Article Title: Current state of COVID-19 in children: 4 years on Year: 2024 Issue: 5 Volume: 88 Abstract: Children have been disproportionately affected by the COVID-19 pandemic. Despite evidence of a very low risk of severe disease, ... [Read more...](#)

### **The scene of lung pathology during PRRSV-1 infection**

06-04-2024 - Ovid

Author Names: Ruedas-Torres I.,Sanchez-Carvajal J.M.,Salguero F.J.,Pallares F.J.,Carrasco L.,Mateu E.,Gomez-Laguna J.,Rodriguez-Gomez I.M. Database Source: Embase Weekly Updates Journal Title: Frontiers in Veterinary Science Article Title: The scene of lung pathology during PRRSV-1 infection Year: 2024 Issue: Volume: 11 Abstract: Porcine reproductive and respiratory syndrome (PRRS) is one of ... [Read more...](#)

### **Experiences of mpox illness and case management among cis and trans gay, bisexual and other men who have sex with men in England: a qualitative study**

06-04-2024 - Ovid

Author Names: Witzel T.C.,Ghobrial A.,Palich R.,Charles H.,Rodger A.J.,Sabin C.,Sparrowhawk A.,Pool E.R.M.,Prochazka M.,Vivancos R.,Sinka K.,Folkard K.,Burns F.M.,Saunders J. Database Source: Embase Weekly Updates Journal Title: eClinicalMedicine Article Title: Experiences of mpox illness and case management among cis and trans gay, bisexual and other men who have sex with men in England: a ... [Read more...](#)

### **Inequalities in physical and mental health among people in prison**

06-04-2024 - Ovid

Author Names: Edge C.,Hayward A. Database Source: Embase Weekly Updates Journal Title: The Lancet Public Health Article Title: Inequalities in physical and mental health among people in prison Year: 2024 Issue: 4 Volume: 9 Abstract: [Read more...](#)

### **Antimicrobial resistance prevalence in bloodstream infection in 29 European countries by age and sex: An observational study**

06-04-2024 - Ovid

Author Names: Waterlow N.R.,Cooper B.S.,Robotham J.V.,Knight G.M. Database Source: Embase Weekly Updates Journal Title: PLoS Medicine,PLoS Medicine Article Title: Antimicrobial resistance prevalence in bloodstream infection in 29 European countries by age and sex: An observational study



Year: 2024 Issue: 3 Volume: 21 Abstract: Background Antibiotic usage, contact with high transmission ... [Read more...](#)

### **WCN24-1379 CLINICAL OUTCOMES OF THE MOST SEVERE FORMS OF ACUTE RENAL FAILURE DURING MALARIA UNDER LIMITED CONDITIONS**

06-04-2024 - Ovid

Author Names: Pilcevic D.,Milic V.,Denic V.,Krstic B.,Selakovic D.,Rabrenovic V.,Petrovic M.,Vavic N. Database Source: Embase Weekly Updates Journal Title: Kidney International Reports Article Title: WCN24-1379 CLINICAL OUTCOMES OF THE MOST SEVERE FORMS OF ACUTE RENAL FAILURE DURING MALARIA UNDER LIMITED CONDITIONS Year: 2024 Issue: 4 Supplement Volume: 9 Abstract: Introduction: Aim of our ... [Read more...](#)

### **Applicability of Scoring Calyculin A-Induced Premature Chromosome Condensation Objects for Dose Assessment Including for Radiotherapy Patients**

06-04-2024 - Ovid

Author Names: Moquet J.,Lloyd D.,Barnard S.,Anbalagan S.,Steel H.,Sommer A.,Gothard L.,Somaiah N.,Ainsbury E.,Sun M. Database Source: Embase Weekly Updates Journal Title: Cytogenetic and Genome Research,Cytogenetic and Genome Research Article Title: Applicability of Scoring Calyculin A-Induced Premature Chromosome Condensation Objects for Dose Assessment Including for Radiotherapy Patients ... [Read more...](#)

### **Lymphocytic choriomeningitis arenavirus requires cellular COPI and AP-4 complexes for efficient virion production**

06-04-2024 - Ovid

Author Names: Byford O.,Shaw A.B.,Tse H.N.,Todd E.J.A.A.,Alvarez-Rodriguez B.,Hewson R.,Fontana J.,Barr J.N. Database Source: Embase Weekly Updates Journal Title: Journal of Virology,Journal of Virology Article Title: Lymphocytic choriomeningitis arenavirus requires cellular COPI and AP-4 complexes for efficient virion production Year: 2024 Issue: 3 Volume: 98 Abstract: Lymphocytic ... [Read more...](#)

### **SARS-CoV-2, influenza A/B and respiratory syncytial virus positivity and association with influenza-like illness and self-reported symptoms, over the 2022/23 winter season in the UK: a longitudinal surveillance cohort**

06-04-2024 - Ovid

Author Names: Dietz E.,Pritchard E.,Pouwels K.,Ehsaan M.,Blake J.,Gaughan C.,Haduli E.,Boothe H.,Vihta K.-D.,Peto T.,Stoesser N.,Matthews P.,Taylor N.,Diamond I.,Studley R.,Rourke E.,Birrell P.,De Angelis D.,Fowler T.,Watson C.,Eyre D.,House T.,Walker A.S. Database Source: Embase Weekly Updates Journal Title: BMC Medicine,BMC Medicine Article Title: SARS-CoV-2, ... [Read more...](#)

### **An international review of the characteristics of viral nucleic acid-amplification testing (NAT) reveals a trend towards the use of smaller pool sizes and individual donation NAT**

06-04-2024 - Ovid

Author Names: Faddy H.M.,Osiowy C.,Custer B.,Busch M.,Stramer S.L.,Dean M.M.,Acutt J.,Viennet E.,van de Laar T.,Tsoi W.-C.,Styles C.,Kiely P.,Margaritis A.,Kwon S.-Y.,Qiu Y.,Deng X.,Lewin A.,Jorgensen S.W.,Erikstrup C.,Juhl D.,Sauleda S.,Camacho Rodriguez B.A.,Soto Coral L.J.C.,Gaviria Garcia P.A.,Oota S.,O'Brien S.F.,Wendel S.,Castro E.,Navarro Perez L.,Harvala H.,Davison K.,Reynolds C.,Jarvis L. [Read more...](#)

## Shape of radiation dose response relationship for Ischaemic heart disease mortality and its interpretation: analysis of the National Registry for Radiation Workers (NRRW) cohort

06-04-2024 - Ovid

Author Names: Zhang W.,Haylock R.G.,Gillies M.,Hunter N. Database Source: Embase Weekly Updates Journal Title: Journal of radiological protection : official journal of the Society for Radiological Protection Article Title: Shape of radiation dose response relationship for Ischaemic heart disease mortality and its interpretation: analysis of the National Registry for Radiation Workers (NRRW) ...

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## Alvaradoin E: an update of its anticancer potential and mechanisms of action

06-04-2024 - Ovid

Author Names: Kitic D.,Miladinovic B.,Randjelovic M.,Fagoonee S.,Popa D.,Calina D.,Sharifi-Rad J. Database Source: Embase Weekly Updates Journal Title: Minerva Biotechnology and Biomolecular Research Article Title: Alvaradoin E: an update of its anticancer potential and mechanisms of action Year: 2023 Issue: 4 Volume: 35 Abstract: Cancer is one of the leading causes of death worldwide.

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## Quantifying and adjusting for confounding from health-seeking behaviour and healthcare access in observational research

06-04-2024 - Ovid

Author Names: Graham S.,Walker J.L.,Andrews N.,Hulme W.J.,Nitsch D.,Parker E.P.K.,McDonald H.I. Database Source: Embase Preprint Journal Title: medRxiv,ENG Article Title: Quantifying and adjusting for confounding from health-seeking behaviour and healthcare access in observational research Year: 2024 Issue: Volume: Abstract: Objective: To assess the feasibility and effect of using proxy ...

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## Differences in Histological Subtypes of Invasive Lobular Breast Carcinoma According to Immunohistochemical Molecular Classification

06-04-2024 - Ovid

Author Names: Ilic I.,Cvetkovic J.,Ilic R.,Cvetkovic L.,Milicevic A.,Todorovic S.,Randelovic P. Database Source: Embase Weekly Updates Journal Title: Diagnostics,Diagnosics Article Title: Differences in Histological Subtypes of Invasive Lobular Breast Carcinoma According to Immunohistochemical Molecular Classification Year: 2024 Issue: 6 Volume: 14 Abstract: The technical complexity of gene ...

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## Histopathological findings from the investigation of paediatric acute hepatitis of unknown aetiology, United Kingdom 2022

06-04-2024 - Ovid

Author Names: Callaby H.,McGuire E.,Rajwal S.,Stahlschmidt J.,Hartley J.,Brown R.M.,Deheragoda M.,Quaglia A.,Rampling T.,Houlihan C.F.,Claire Gordon N.,Brown C.S.,Simmons R.,Samson A.,Mandal S.,Grammatikopoulos T.,Demirjian A. Database Source: Embase Weekly Updates Journal Title: Journal of Pediatric Gastroenterology and Nutrition,Journal of Pediatric Gastroenterology and Nutrition Article ...

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## Stewardship: it's going viral

06-04-2024 - Ovid

Author Names: Jenkins A.,Ahmed J.,Bosworth A.,Kidd I.M.,Osman H.,Atabani S.F. Database Source: Embase Weekly Updates Journal Title: Infection Prevention in Practice Article Title: Stewardship: it's going viral Year: 2024 Issue: 2 Volume: 6 Abstract: Introduction: Historically, antimicrobial stewardship (AMS) has considered the judicious use of antibiotics. AMS is widely adopted across Europe ...

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## Use of a meningococcal group B vaccine (4CMenB) in populations at high risk of gonorrhoea in the UK

06-04-2024 - Ovid

Author Names: Ladhani S.N.,White P.J.,Campbell H.,Mandal S.,Borrow R.,Andrews N.,Bhopal S.,Saunders J.,Mohammed H.,Drisdale-Gordon L.,Callan E.,Sinka K.,Folkard K.,Fifer H.,Ramsay M.E. Database Source: Embase Weekly Updates Journal Title: The Lancet Infectious Diseases,The Lancet Infectious Diseases Article Title: Use of a meningococcal group B vaccine (4CMenB) in populations at high risk of ... [Read more...](#)

## Increased rates of hospital-onset Staphylococcus aureus bacteraemia in National Health Service acute trusts in England between June 2020 and March 2021: a national surveillance review

06-04-2024 - Ovid

Author Names: Mason E.,Nsonwu O.,Elmes J.,Chudasama D.,Pearson C.,Hasan L.,Hope R.,Gerver S.M. Database Source: Embase Weekly Updates Journal Title: Journal of Hospital Infection,Journal of Hospital Infection Article Title: Increased rates of hospital-onset Staphylococcus aureus bacteraemia in National Health Service acute trusts in England between June 2020 and March 2021: a national ... [Read more...](#)

## Warm-up is an efficient strategy to prevent diurnal variation of short-term maximal performance in young basketball players

06-04-2024 - Ovid

Author Names: Zelenovic M.,Kontro T.,Causevic D.,Bjelica B.,Aksovic N.,Milanovic Z. Database Source: Embase Weekly Updates Journal Title: Chronobiology international Article Title: Warm-up is an efficient strategy to prevent diurnal variation of short-term maximal performance in young basketball players Year: 2024 Issue: 3 Volume: 41 Abstract: The objectives of this study were to investigate: ... [Read more...](#)

## Serbian Artemisia species-chemical composition, acute toxicity and larvicidal activity of the essential oils

06-04-2024 - Ovid

Author Names: Ickovski J.D.,Cvetkovic V.J.,Jovanovic N.M.,Mitrovic T.L.,Stojanovic G.S. Database Source: Embase Weekly Updates Journal Title: Natural Product Research,Natural Product Research Article Title: Serbian Artemisia species-chemical composition, acute toxicity and larvicidal activity of the essential oils Year: 2024 Issue: Volume: Abstract: The chemical composition and biological ... [Read more...](#)

## International Comparison Exercise for Biological Dosimetry after Exposures with Neutrons Performed at Two Irradiation Facilities as Part of the BALANCE Project

06-04-2024 - Ovid

Author Names: Endesfelder D.,Kulka U.,Bucher M.,Giesen U.,Garty G.,Beinke C.,Port M.,Gruel G.,Gregoire E.,Terzoudi G.,Triantopoulou S.,Ainsbury E.A.,Moquet J.,Sun M.,Prieto M.J.,Moreno Domene M.,Barquinero J.-F.,Pujol-Canadell M.,Vral A.,Baeyens A.,Wojcik A.,Oestreicher U. Database Source: Embase Weekly Updates Journal Title: Cytogenetic and Genome Research,Cytogenetic and Genome Research ... [Read more...](#)

## Efficacy and safety of general anesthesia with caudal block for inguinal hernioplasty in children: A randomized controlled trial

06-04-2024 - Ovid

Author Names: Pandurov M.,Fabri Galambos I.,Zdravkovic R.,Uram Benka A.,Rakic G.,Boskovic N.,Vickovic S.,Tatic M.,Lukic Sarkanovic M.,Tubic T.,Preveden M.,Dracina N.,Videnovic N.,Krtinic D.,Jakovljevic A.,Djokovic N.,Draskovic B. Database Source: Embase Weekly Updates Journal Title:

European Review for Medical and Pharmacological Sciences,European Review for Medical and Pharmacological ... [Read more...](#)

### **Monte Carlo Optimization Method Based QSAR Modeling of Placental Barrier Permeability**

06-04-2024 - Ovid

Author Names: Vukomanovic P.,Stefanovic M.,Stevanovic J.M.,Petric A.,Trenkic M.,Andrejevic L.,Lazarevic M.,Sokolovic D.,Veselinovic A.M. Database Source: Embase Weekly Updates Journal Title: Pharmaceutical Research,Pharmaceutical Research Article Title: Monte Carlo Optimization Method Based QSAR Modeling of Placental Barrier Permeability Year: 2024 Issue: 3 Volume: 41 Abstract: Purpose: In ... [Read more...](#)

### **Impact of Menopausal Status and Recurrent UTIs on Symptoms, Severity, and Daily Life: Findings from an Online Survey of Women Reporting a Recent UTI**

06-04-2024 - Ovid

Author Names: Sanyaolu L.N.,Cooper E.,Read B.,Ahmed H.,Lecky D.M. Database Source: Embase Weekly Updates Journal Title: Antibiotics,Antibiotics Article Title: Impact of Menopausal Status and Recurrent UTIs on Symptoms, Severity, and Daily Life: Findings from an Online Survey of Women Reporting a Recent UTI Year: 2023 Issue: 7 Volume: 12 Abstract: Introduction: Current UKHSA UTI diagnostic ... [Read more...](#)

### **Clinical virology in the pandemic response-a missed opportunity**

06-04-2024 - Ovid

Author Names: Banatvala J.,Muir P.,Irving W.,Zuckerman M. Database Source: Embase Weekly Updates Journal Title: BMJ,BMJ Article Title: Clinical virology in the pandemic response-a missed opportunity Year: 2022 Issue: Volume: 377 Abstract: [Read more...](#)

### **Conceptualisation and implementation of integrated disease surveillance globally: a scoping review**

06-04-2024 - Ovid

Author Names: Flodgren G.M.,Bezuidenhoudt J.E.,Alkanhal N.,Brinkwirth S.,Lee A.C.K. Database Source: Embase Weekly Updates Journal Title: Public Health,Public Health Article Title: Conceptualisation and implementation of integrated disease surveillance globally: a scoping review Year: 2024 Issue: Volume: 230 Abstract: Objectives: The objective of this study was to examine the ... [Read more...](#)

### **How young radiologists use contrast media and manage adverse reactions: an international survey**

06-04-2024 - Ovid

Author Names: Albano D.,Mallardi C.,Afat S.,Agnollitto P.M.,Caruso D.,Cannella R.,Carriero S.,Chupetlovska K.,Clauser P.,D'Angelo T.,De Santis D.,Dioguardi Burgio M.,Dumic-Cule I.,Fanni S.C.,Fusco S.,Gatti M.,Gitto S.,Jankovic S.,Karagechev T.,Klontzas M.E.,Koltsakis E.,Leithner D.,Maticic V.,Muscogiuri G.,Penkova R.,Policic M.,Serpi F.,Sofia C.,Snoj Z.,Akinci D'Antonoli T.,Vernuccio F.,Vieira J. [Read more...](#)

### **The role of real-world evidence for regulatory and public health decision-making for Accelerated Vaccine Deployment- a meeting report**

06-04-2024 - Ovid

Author Names: Bollaerts K.,Wyndham-Thomas C.,Miller E.,Izurieta H.S.,Black S.,Andrews N.,Rubbrecht M.,Van Heuverswyn F.,Neels P. Database Source: Embase Weekly Updates Journal Title: Biologicals,Biologicals Article Title: The role of real-world evidence for regulatory and public health decision-making for Accelerated Vaccine Deployment- a meeting report Year: 2024 Issue: Volume: 85 Abstract: ... [Read more...](#)

## When is Burkholderia cepacia complex truly eradicated in adults with cystic fibrosis? A 20-year follow up study

06-04-2024 - Ovid

Author Names: Tewkesbury D.H.,Pollard L.R.,Green H.D.,Horsley A.,Kenna D.,Jones A.M. Database Source: Embase Weekly Updates Journal Title: Journal of Cystic Fibrosis,Journal of Cystic Fibrosis Article Title: When is Burkholderia cepacia complex truly eradicated in adults with cystic fibrosis? A 20-year follow up study Year: 2024 Issue: 1 Volume: 23 Abstract: Background: Burkholderia cepacia ... [Read more...](#)

## Droplet digital PCR as alternative to microbiological culture for Mycobacterium tuberculosis complex detection in bovine lymph node tissue samples

06-04-2024 - Ovid

Author Names: Sanchez-Carvajal J.M.,Vera-Salmoral E.,Huerta B.,Galan-Relano A.,Ruedas-Torres I.,Larenas-Munoz F.,Luque I.,Carrasco L.,Gomez-Laguna J. Database Source: Embase Weekly Updates Journal Title: Frontiers in Cellular and Infection Microbiology,Frontiers in Cellular and Infection Microbiology Article Title: Droplet digital PCR as alternative to microbiological culture for ... [Read more...](#)

## Regulatory workshop on challenge strain development and GMP manufacture - A stakeholder meeting report

06-04-2024 - Ovid

Author Names: Corti N.,Chiu C.,Cox R.J.,Demont C.,Devaster J.-M.,Engelhardt O.G.,Gorringe A.,Hassan K.,Hoefnagel M.,Kamerling I.,Krut O.,Lane C.,Liebers R.,Luke C.,Van Molle W.,Morel S.,Neels P.,Roestenberg M.,Rubbrecht M.,Klaas Smits W.,Stoughton D.,Talaat K.,Vehreschild M.J.G.T.,Wildfire A.,Meln I.,Olesen O.F. Database Source: Embase Weekly Updates Journal Title: Biologicals, ... [Read more...](#)

## A combination of nirmatrelvir and ombitasvir boosts inhibition of SARS-CoV-2 replication

06-04-2024 - Ovid

Author Names: Moon C.,Porges E.,Roberts A.,Bacon J. Database Source: Embase Weekly Updates Journal Title: Antiviral Research,Antiviral Research Article Title: A combination of nirmatrelvir and ombitasvir boosts inhibition of SARS-CoV-2 replication Year: 2024 Issue: Volume: 225 Abstract: Antiviral therapeutics are highly effective countermeasures for the treatment of coronavirus disease 2019 ... [Read more...](#)

## Epidemiology of Escherichia coli bloodstream infection antimicrobial resistance trends across South West England during the first two years of the coronavirus disease 2019 pandemic response

06-04-2024 - Ovid

Author Names: Stanley J.,Sullivan B.,Dowsey A.W.,Jones K.,Beck C.R. Database Source: Embase Weekly Updates Journal Title: Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases Article Title: Epidemiology of Escherichia coli bloodstream infection antimicrobial resistance trends across South West England during ... [Read more...](#)

## Emergence of Novel Norovirus GII.4 Variant

06-04-2024 - Ovid

Author Names: Chhabra P.,Tully D.C.,Mans J.,Niendorf S.,Barclay L.,Cannon J.L.,Montmayeur A.M.,Pan C.-Y.,Page N.,Williams R.,Tutill H.,Roy S.,Celma C.,Beard S.,Mallory M.L.,Manouana G.P.,Velavan T.P.,Adegnika A.A.,Kremsner P.G.,Lindsmith L.C.,Hue S.,Baric R.S.,Breuer J.,Vinje J.

Database Source: Embase Weekly Updates Journal Title: Emerging Infectious Diseases, ... [Read more...](#)

### **Temporal variations in international air travel: implications for modelling the spread of infectious diseases**

06-04-2024 - Ovid

Author Names: Wardle J.,Bhatia S.,Cori A.,Nouvellet P. Database Source: Embase Preprint Journal Title: medRxiv,ENG Article Title: Temporal variations in international air travel: implications for modelling the spread of infectious diseases Year: 2024 Issue: Volume: Abstract: Background The international flight network creates multiple routes by which pathogens can quickly spread across the globe. [Read more...](#)

### **Precision touch DNA sampling on plastic bag knots for improved profiling of packer and holder contributions**

06-04-2024 - Ovid

Author Names: Stefanovic A.,Sorgic D.,Cvetkovic N.,Antovic A.,Ilic G. Database Source: Embase Weekly Updates Journal Title: Forensic Science International: Genetics,Forensic Science International: Genetics Article Title: Precision touch DNA sampling on plastic bag knots for improved profiling of packer and holder contributions Year: 2024 Issue: Volume: 71 Abstract: In forensic DNA analysis, ... [Read more...](#)

### **Identification of Burkholderia cepacia strains that express a Burkholderia pseudomallei-like capsular polysaccharide**

06-04-2024 - Ovid

Author Names: Burtnick M.N.,Dance D.A.B.,Vongsouvath M.,Newton P.N.,Dittrich S.,Sendouangphachanh A.,Woods K.,Davong V.,Kenna D.T.D.,Saiprom N.,Sengyee S.,Hantrakun V.,Wuthiekanun V.,Limmathurotsakul D.,Chantratita N.,Brett P.J. Database Source: Embase Weekly Updates Journal Title: Microbiology Spectrum Article Title: Identification of Burkholderia cepacia strains that express a Burkholderia ... [Read more...](#)

### **Potential beneficial effect of IFN-beta1a and ocrelizumab in people with MS during the COVID-19 pandemic**

06-04-2024 - Ovid

Author Names: Todorovic S.,Vojinovic S.,Savic D.,Aleksic D.,Danilovic M. Database Source: Embase Weekly Updates Journal Title: Acta Neurologica Belgica,Acta Neurologica Belgica Article Title: Potential beneficial effect of IFN-beta1a and ocrelizumab in people with MS during the COVID-19 pandemic Year: 2024 Issue: 2 Volume: 124 Abstract: Background/Aim: Disease-modifying therapy (DMT) has led ... [Read more...](#)

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