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Infection Current Awareness Update

15 Apr 2024

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

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Infection-related journals

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- [Current Opinion in Microbiology](#)
- [Diagnostic Microbiology and Infectious Disease](#)

- Emerging Infectious Diseases Journal - CDC
- European Journal of Clinical Microbiology and Infectious Disease
- Eurosurveillance
- Infection
- Infection Control & Hospital Epidemiology
- International Journal of Infectious Diseases
- Journal of Clinical Microbiology
- Journal of Hospital Infection
- Journal of Infection
- Journal of Infection Prevention
- Journal of Infectious Diseases
- Journal of Medical Microbiology
- Journal of Microbiology, Immunology and Infection
- The Lancet: Global Health
- Microbiology and Molecular Biology Reviews
- Morbidity and Mortality Weekly Report
- Nature Reviews Microbiology
- NEJM Journal Watch: Infectious Diseases

UKHSA affiliation

- UKHSA Affiliation

Infection-related journals

American Journal of Infection Control

1. The effects of a novel, continuous disinfectant technology on methicillin resistant *Staphylococcus aureus* (MRSA), fungi and aerobic bacteria in two

separate Intensive Care Units in two different states: an experimental design with observed impact on Healthcare Associated Infections (HAIs)

11-04-2024 - Elsevier

Hospitals are exposed to abundant contamination sources with limited remediation strategies. Without new countermeasures or treatments, the risk of hospital-associated infections will remain high. This study explored the impact of advanced photohydrolysis (AP) continuous disinfection technology on hospital environmental bioburden. [Read more...](#)

2. The outbreak of multispecies carbapenemase-producing Enterobacterales associated with pediatric ward sinks: IncM1 plasmids act as vehicles for cross-species transmission

11-04-2024 - Elsevier

This study describes an outbreak caused by multispecies carbapenemase-producing Enterobacterales (CPE) occurring in a pediatric ward at an academic medical center in Tokyo. [Read more...](#)

3. International Nosocomial Infection Control Consortium (INICC) report of healthcare-associated infections, data summary of 25 countries for 2014-2023, Surgical Site Infections Module

09-04-2024 - Elsevier

Surgical site infection (SSI) prevalence is higher in low and middle-income countries (LMICs) than in high-income counterparts. This study covers 116 INICC member hospitals in 75 cities across 25 Latin American, Asian, Eastern European, and Middle Eastern countries, including Argentina, Bahrain, Brazil, Colombia, Costa Rica, Dominican Republic, Ecuador, Egypt, Honduras, India, Kosovo, Kuwait, ... [Read more...](#)

4. Experiences of the National Post-Exposure Prophylaxis Hotline (PEPline): Occupational PEP Consultation Needs and Trends, 2014-2022

08-04-2024 - Elsevier

The National Clinician Consultation Center (NCCC) operates the PEPline, a federally-funded educational resource providing bloodborne pathogen exposure management tele-consultation to U.S. clinicians. [Read more...](#)

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Clinical Infectious Diseases

1. Weight, anthropometric and metabolic changes after discontinuing antiretroviral therapy containing tenofovir alafenamide (TAF) in people with HIV

12-04-2024 - Oxford University Press

In the Swiss HIV Cohort Study, replacing tenofovir alafenamide (TAF) with tenofovir disoproxil fumarate (TDF) resulted in a -1.84 kg weight decrease within one year. No substantial weight changes were noted after switching from TAF to dolutegravir/lamivudine or cabotegravir/rilpivirine. [Read more...](#)

2. Which form of tenofovir should be used worldwide: TDF or TAF?

12-04-2024 - Oxford University Press

[Read more...](#)

3. Antiretrovirals and Weight Change: Weighing the Evidence

12-04-2024 - Oxford University Press

A panel of experts in HIV management reviews major clinical trials of HIV prevention and treatment to assess the relationships between weight change and antiretroviral therapies. [Read more...](#)

4. Assessing the Impact of the 2020 Council of State and Territorial Epidemiologists Case Definition for Pertussis on Reported Pertussis Cases

12-04-2024 - Oxford University Press

The 2020 CSTE case definition change for pertussis resulted in additional case reporting compared with the previous case definition despite a substantial decrease in reported pertussis cases in the setting of COVID-19. [Read more...](#)

5. Increased Pediatric Respiratory Syncytial Virus Case Counts Following the Emergence of Severe Acute Respiratory Syndrome Coronavirus 2 Can Be Attributed to Changes in Testing

11-04-2024 - Oxford University Press

After the initial phase of the COVID-19 pandemic, hospitals reported an increase in RSV cases. We examined encounters at US pediatric hospitals and found that increased testing is likely driving the observed increase in case volume. [Read more...](#)

6. COVID-19 vaccine efficacy in participants with weakened immune systems from four randomized-controlled trials

10-04-2024 - Oxford University Press

[Read more...](#)

7. Clinical outcomes in children living with HIV treated for non-severe tuberculosis in the SHINE Trial

09-04-2024 - Oxford University Press

[Read more...](#)

8. Effectiveness and safety of measures to prevent infections and other complications associated with peripheral intravenous catheters: A systematic review and meta-analysis

09-04-2024 - Oxford University Press

Our systematic review emphasizes the pressing need for additional high-quality studies addressing preventive measures for reducing peripheral intravenous catheter-associated complications. The available evidence supports wearing gloves during insertion and adhering to defined removal schedules in adults, and chlorhexidine disinfection in neonates. [Read more...](#)

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Clinical Microbiology and Infection

1. Mortality in recipients of allogeneic haematopoietic cell transplantation in the era of cytomegalovirus primary prophylaxis: a single-centre retrospective experience

13-04-2024 - Ovid

Author Names: Febres-Aldana A.,Khawaja F.,Morado-Aramburo O.,Shigle T.L.,Rondon G.,Sassine J.,Spallone A.,Srinivasan K.,Ramdial J.,Alousi A.,Champlin R.,Chen G.,Daher M.,Rezvani K.,Ariza-Heredia E.J.,Shpall E.J.,Chemaly R.F. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Mortality in recipients of ... [Read more...](#)

2. Cerebellar phaeohyphomycosis: a dark enigma

13-04-2024 - Ovid

Author Names: Bhardwaj N.,Aggarwal A.,Kaur H.,Rudramurthy S.M.,Gupta K. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Cerebellar phaeohyphomycosis: a dark enigma Year: 2024 Issue: Volume: Abstract: External Resolver Links: <https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid> ... [Read more...](#)

3. New treatment options for critically important WHO fungal priority pathogens

13-04-2024 - Ovid

Author Names: Kriegl L., Egger M., Boyer J., Hoenigl M., Krause R. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: New treatment options for critically important WHO fungal priority pathogens Year: 2024 Issue: Volume: Abstract: Background: Yet often overlooked in public health discourse, ... [Read more...](#)

4. [Corrigendum to "Effectiveness and safety of tuberculosis preventive treatment for contacts of patients with multidrug-resistant tuberculosis: a systematic review and meta-analysis" \[Clin Microbiol Infect 30 \(2024\) 189-196, \(S1198743X23004779\), \(10.1016/j.cmi.2023.09.015\)\]](#)

13-04-2024 - Ovid

Author Names: Zhou G., Luo S., He J., Chen N., Zhang Y., Cai S., Guo X., Chen H., Song C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Corrigendum to "Effectiveness and safety of tuberculosis preventive treatment for contacts of patients with multidrug-resistant tuberculosis: a systematic review and ... [Read more...](#)

5. [Physiopathology and clinical management of blackwater fever: a scoping review](#)

13-04-2024 - Ovid

Author Names: Rodari P., Tamarozzi F., Fittipaldo V.A., Buonfrate D., Gobbi F. Database Source: Embase Daily Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Physiopathology and clinical management of blackwater fever: a scoping review Year: 2024 Issue: 1 Volume: 30 Abstract: Background: Blackwater fever (BWF) is a severe syndrome ... [Read more...](#)

6. [Evaluation of two commercial broth microdilution systems for dalbavancin susceptibility testing of methicillin-resistant Staphylococcus aureus and other resistant Gram-positive cocci](#)

13-04-2024 - Ovid

Author Names: Baccani I., Antonelli A., Cuffari S., Ferretti C., Giani T., Rossolini G.M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Evaluation of two commercial broth microdilution systems for dalbavancin susceptibility testing of methicillin-resistant Staphylococcus aureus and other resistant ... [Read more...](#)

7. [Diagnostic value of maternal, cord blood and neonatal biomarkers for early-onset sepsis: a systematic review and meta-analysis](#)

13-04-2024 - Ovid

Author Names: van Leeuwen L.M.,Fourie E.,van den Brink G.,Bekker V.,van Houten M.A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Diagnostic value of maternal, cord blood and neonatal biomarkers for early-onset sepsis: a systematic review and meta-analysis Year: 2024 Issue: Volume: Abstract: ... [Read more...](#)

8. Prevalence of long COVID in the general adult population according to different definitions and sociodemographic and infection characteristics. A nationwide random sampling survey in France in autumn 2022

13-04-2024 - Ovid

Author Names: Coste J.,Delpierre C.,Richard J.-B.,Alleaume C.,Gallay A.,Tebeka S.,Lemogne C.,Robineau O.,Steichen O.,Makovski T.T. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Prevalence of long COVID in the general adult population according to different definitions and sociodemographic and ... [Read more...](#)

9. Diagnostic limitations and challenges in current clinical guidelines and potential application of metagenomic sequencing to manage pulmonary invasive fungal infections in patients with haematological malignancies

13-04-2024 - Ovid

Author Names: Park S.Y.,Ardura M.I.,Zhang S.X. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Diagnostic limitations and challenges in current clinical guidelines and potential application of metagenomic sequencing to manage pulmonary invasive fungal infections in patients with haematological ... [Read more...](#)

10. Epidemiology of Escherichia coli bloodstream infection antimicrobial resistance trends across South West England during the first 2 years of the coronavirus disease 2019 pandemic response

13-04-2024 - 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,Clinical Microbiology and Infection Article Title: Epidemiology of Escherichia coli bloodstream infection antimicrobial resistance trends across South West England during the first 2 years of the coronavirus disease 2019 pandemic ... [Read more...](#)

11. COVID-19 mortality among selective serotonin reuptake inhibitor users: author's reply

13-04-2024 - Ovid

Author Names: Stauning M.A., Gur D.J., Torp-Pedersen C., Tingleff J. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: COVID-19 mortality among selective serotonin reuptake inhibitor users: author's reply Year: 2024 Issue: Volume: Abstract: External Resolver Links: <https://libkey>. [Read more...](#)

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

13-04-2024 - 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...](#)

13. Molecular detection of SARS-CoV-2 and other respiratory viruses in saliva and classroom air: a two winters tale

13-04-2024 - Ovid

Author Names: Banholzer N., Bittel P., Jent P., Furrer L., Zurcher K., Egger M., Hascher T., Fenner L. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Molecular detection of SARS-CoV-2 and other respiratory viruses in saliva and classroom air: a two winters tale Year: 2024 Issue: Volume: Abstract: ... [Read more...](#)

14. European Society of Clinical Microbiology and Infectious Diseases: 2021 update on the treatment guidance document for *Clostridioides difficile* infection in adults

13-04-2024 - Ovid

Author Names: van Prehn J., Reigadas E., Vogelzang E.H., Bouza E., Hristea A., Guery B., Krutova M., Noren T., Allerberger F., Coia J.E., Goorhuis A., van Rossen T.M., Ooijevaar R.E., Burns K., Scharvik Olesen B.R., Tschudin-Sutter S., Wilcox M.H., Vehreschild M.J.G.T., Fitzpatrick F., Kuijper E.J. Database Source: Embase Daily Updates Journal Title: Clinical Microbiology and Infection, ... [Read more...](#)

15. Re: Unexpected increase of severe *Mycoplasma pneumoniae* pneumonia in adults in Southern Switzerland

13-04-2024 - Ovid

Author Names: Garzoni C., Bernasconi E., Zehnder C., Malossa S.F., Merlani G., Bongiovanni M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Re: Unexpected increase of severe Mycoplasma pneumoniae pneumonia in adults in Southern Switzerland Year: 2024 Issue: Volume: Abstract: [Read more...](#)

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Clinical Microbiology Reviews

1. Novel antifungals and treatment approaches to tackle resistance and improve outcomes of invasive fungal disease

11-04-2024 - American Society for Microbiology

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

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Current Opinion in Microbiology

1. Renal implications of coronavirus disease 2019: insights into viral tropism and clinical outcomes

14-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Valentin A Bärreiter, Toni L Meister [Read more...](#)

2. Neuroinvasion and neurotropism of severe acute respiratory syndrome coronavirus 2 infection

14-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Michelle Jagst, Lilli Pottkämper, André Gömer, Kalliopi Pitarokoili, Eike Steinmann [Read more...](#)

3. The menace within: bacterial amyloids as a trigger for autoimmune and neurodegenerative diseases

11-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Molly Elkins, Neha Jain, Çağla Tükel [Read more...](#)

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1. The diagnostic performance of GeneXpert MTB/RIF in tuberculosis meningitis: A multicentre accuracy study

10-04-2024 - *ScienceDirect*

Publication date: Available online 10 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Chenyuan Wang, Lina Davies Forsman, Shanshan Wang, Sainan Wang, Ge Shao, Haiyan Xiong, Ziwei Bao, Yi Hu [Read more...](#)

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1. Antimicrobial Resistance as Risk Factor for Recurrent Bacteremia after Staphylococcus aureus, Escherichia coli, or Klebsiella spp. Community-Onset Bacteremia

12-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

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

2. Reemergence of Bordetella parapertussis, United States, 2019–2023

12-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

B. A. Noble et al. [Read more...](#)

3. Detection of OXA-181 Carbapenemase in Shigella flexneri

12-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

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

4. Sphingobium yanoikuyae Bacteremia, Japan

12-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

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

5. Detection of Influenza D Antibodies in Dogs, Apulia Region, Italy, 2016 and 2023

12-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

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

6. Sporotrichosis Cluster in Domestic Cats and Veterinary Technician, Kansas, USA, 2022

12-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

7. Crimean-Congo Hemorrhagic Fever Virus in Ticks Collected from Cattle, Corsica, France, 2023

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

8. Congenital Syphilis Prevention Challenges, Pacific Coast of Colombia, 2018–2022

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

J. F. Fuertes-Bucheli et al. [Read more...](#)

9. Novel Patterns in High-Resolution Computed Tomography in Whipple Pneumonia

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

H. Li et al. [Read more...](#)

10. Toxoplasma gondii Infections and Associated Factors in Female Children and Adolescents, Germany

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

L. Giese et al. [Read more...](#)

11. Burkholderia thailandensis Isolated from Infected Wound, Southwest China, 2022

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

J. Li et al. [Read more...](#)

12. COVID-19 Vaccination Site Accessibility, United States, December 11, 2020–March 29, 2022

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

R. Yee et al. [Read more...](#)

13. Epidemiology of SARS-CoV-2 in Kakuma Refugee Camp Complex, Kenya, 2020–2021

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

14. Protective Efficacy of Lyophilized Vesicular Stomatitis Virus–Based Vaccines in Animal Model

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

15. Economic Burden of Acute Gastroenteritis among Members of Integrated Healthcare Delivery System, United States, 2014–2016

10-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

J. F. Dickerson et al. [Read more...](#)

16. SARS-CoV-2 Transmission in Alberta, British Columbia, and Ontario, Canada, January 2020–January 2022

08-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

A. D. Kehoe et al. [Read more...](#)

17. Deforestation and Bovine Rabies Outbreaks in Costa Rica, 1985–2020

30-03-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

18. Cross-Sectional Study of Q Fever Seroprevalence among Blood Donors, Israel, 2021

07-03-2024 - Centers for Disease Control and Prevention (CDC) (USA)

N. Ghanem-Zoubi et al. [Read more...](#)

19. Paranannizziopsis spp. Infection in Wild Vipers, Europe

07-03-2024 - Centers for Disease Control and Prevention (CDC) (USA)

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

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1. Analysis of mild and severe neonatal enterovirus infections in a Chinese neonatal tertiary center: a retrospective case-control study

14-04-2024 - Springer

Abstract Purpose To compare the clinical characteristics, virus serotype, and outcome in cases of mild and severe enteroviral infection at a tertiary neonatal intensive care unit in China. **Methods** A retrospective analysis of cases hospitalized between June and August 2019. Samples (stool or throat swabs) were examined using reverse transcription polymerase chain reaction. [Read more...](#)

2. Lincosamide monotherapy treatment of methicillin-resistant *Staphylococcus aureus* pneumonia in tropical Australia: a case series

14-04-2024 - Springer

Abstract Existing recommended first-line antibiotic agents for MRSA pneumonia have several shortcomings. We reviewed 29 cases of community- and hospital-acquired MRSA pneumonia managed at our hospital. Lincosamide monotherapy was administered to 21/29 (72%) and was the predominant antibiotic regimen (> 50% course duration) in 19/29 (66%). Patients receiving lincosamide-predominant monotherapy ... [Read more...](#)

3. Retrospective and prospective evaluation of the FluoroType®-Mycobacteria VER 1.0 assay for the identification of mycobacteria from cultures in a French center

14-04-2024 - Springer

Abstract Purpose Rapid, reliable identification of mycobacteria from positive cultures is essential for patient management, particularly for the differential diagnosis of *Mycobacterium tuberculosis* complex (MTBC) and nontuberculous mycobacteria (NTM) species. The aim of the present study was to evaluate a new "In-Vitro-Diagnostic"-certified PCR kit, FluoroType®-Mycobacteria VER 1. [Read more...](#)

4. Derivation and validation of a predictive mortality model of in-hospital patients with *Acinetobacter baumannii* nosocomial infection or colonization

14-04-2024 - Springer

Abstract Purpose *Acinetobacter baumannii* (Ab) is a Gram-negative opportunistic bacterium responsible for nosocomial infections or colonizations. It is considered one of the most alarming pathogens due to its multi-drug resistance and due to its mortality rate, ranging from 34 to 44,5% of hospitalized patients. The aim of the work is to create a predictive mortality model for hospitalized ... [Read more...](#)

5. Symptoms predictive of *Fusobacterium necrophorum* pharyngotonsillitis – an observational study of cases presenting to hospitals in Southern Sweden

14-04-2024 - Springer

Abstract Objectives *Fusobacterium necrophorum* is a common cause of pharyngotonsillitis. However, no guidelines exist on when to diagnose or treat it. We aimed to investigate associations between clinical criteria and *F. necrophorum*-positivity in pharyngotonsillitis and assess the predictive potential of a simple scoring system. **Methods** Pharyngotonsillitis patients who were tested for *F. necrophorum*. **Read more...**

6. Diagnostic performance, stability, and acceptability of self-collected saliva without additives for SARS-CoV-2 molecular diagnosis

14-04-2024 - Springer

Abstract Background Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) caused the coronavirus disease 2019 (COVID-19), leading to a global pandemic. The molecular diagnosis of this virus is mostly performed by collecting upper respiratory samples, which has many disadvantages, including patient discomfort and the need for trained healthcare professionals. **Read more...**

7. Detection of intrathecal IgG antibody for varicella and measles diagnosis by evaluation and comparison of a commercial IgG chemiluminescent immunoassay with two ELISAs

14-04-2024 - Springer

Abstract Objectives Analyse alternative methods of intrathecal antibody detection by comparing chemiluminescent immunoassay (CLIA) and enzyme-linked immunosorbent assay (ELISA) techniques to determine if CLIA can replace ELISA in the diagnosis of CNS infections. **Methods** A panel of 280 paired samples—cerebrospinal fluid (CSF) and serum—with known antibody reactivities (Varicella, ... **Read more...**

8. Comparison of *Mycoplasma pneumoniae* infection in children admitted with community acquired pneumonia before and during the COVID-19 pandemic: a retrospective study at a tertiary hospital of southwest China

14-04-2024 - Springer

Abstract Purpose The COVID-19 pandemic has notably altered the infection dynamics of various pathogens. This study aimed to evaluate the pandemic's impact on the infection spectrum of *Mycoplasma pneumoniae* (*M. pneumoniae*) among children with community acquired pneumonia (CAP). **Methods** We enrolled pediatric CAP patients admitted to a tertiary hospital in southwest China to compare the ... **Read more...**

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Eurosurveillance

1. Excess mortality in Europe coincides with peaks of COVID-19, influenza and respiratory syncytial virus (RSV), November 2023 to February 2024

11-04-2024 - *Eurosurveillance*

Since the end of November 2023, the European Mortality Monitoring Network (EuroMOMO) has observed excess mortality in Europe. During weeks 48 2023-6 2024, preliminary results show a substantially increased rate of 95.3 (95% CI: 91.7-98.9) excess all-cause deaths per 100,000 person-years for all ages. This excess mortality is seen in adults aged 45 years and older, ... [Read more...](#)

2. Epidemiology, resistance genomics and susceptibility of Acinetobacter species: results from the 2020 Spanish nationwide surveillance study

11-04-2024 - *Eurosurveillance*

Background As increasing antibiotic resistance in *Acinetobacter baumannii* poses a global healthcare challenge, understanding its evolution is crucial for effective control strategies. **Aim** We aimed to evaluate the epidemiology, antimicrobial susceptibility and main resistance mechanisms of *Acinetobacter* spp. in Spain in 2020, and to explore temporal trends of *A. baumannii*. [Read more...](#)

3. Emergence of OXA-48-like producing Citrobacter species, Germany, 2011 to 2022

11-04-2024 - *Eurosurveillance*

Background Carbapenemase-producing Enterobacterales are a public health threat worldwide and OXA-48 is the most prevalent carbapenemase in Germany and western Europe. However, the molecular epidemiology of OXA-48 in species other than *Escherichia coli* and *Klebsiella pneumoniae* remains poorly understood. **Aim** To analyse the molecular epidemiology of OXA-48 and OXA-48-like carbapenemases in ... [Read more...](#)

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Infection

1. Comprehensive risk factor predictions for 3-year survival among HIV-associated and disseminated cryptococcosis involving lungs and central nervous system

13-04-2024 - *Springer*

Abstract Background The global mortality rate resulting from HIV-associated cryptococcal disease is remarkably elevated, particularly in severe cases with dissemination to the lungs and central nervous system (CNS). Regrettably, there

is a dearth of predictive analysis regarding long-term survival, and few studies have conducted longitudinal follow-up assessments for comparing anti-HIV and ... [Read more...](#)

2. Predictive performance of NEWS and qSOFA in immunocompromised sepsis patients at the emergency department

12-04-2024 - Springer

Abstract Purpose Sepsis has a high incidence and a poor prognosis. Early recognition is important to facilitate timely initiation of adequate care. Sepsis screening tools, such as the (quick) Sequential Organ Failure Assessment ((q)SOFA) and National Early Warning Score (NEWS), could help recognize sepsis. These tools have been validated in a general immunocompetent population, ... [Read more...](#)

3. Detection of virus-specific T cells via ELISpot corroborates early diagnosis in human Borna disease virus 1 (BoDV-1) encephalitis

12-04-2024 - Springer

Abstract Background Within endemic regions in southern and eastern Germany, Borna disease virus 1 (BoDV-1) causes rare zoonotic spill-over infections in humans, leading to encephalitis with a high case-fatality risk. So far, intra-vitam diagnosis has mainly been based on RT-qPCR from cerebrospinal fluid (CSF) and serology, both being associated with diagnostic challenges. [Read more...](#)

4. Real-world effectiveness of sotrovimab for the treatment of SARS-CoV-2 infection during Omicron BA.2 and BA.5 subvariant predominance: a systematic literature review

11-04-2024 - Springer

Abstract Purpose To evaluate clinical outcomes associated with sotrovimab use during Omicron BA.2 and BA.5 predominance. **Methods** Electronic databases were searched for observational studies published in peer-reviewed journals, preprint articles and conference abstracts from January 1, 2022 to February 27, 2023. **Results** The 14 studies identified were heterogeneous in terms of study design, ... [Read more...](#)

5. Estimates of global and regional prevalence of Helicobacter pylori infection among individuals with obesity: a systematic review and meta-analysis

10-04-2024 - Springer

Abstract Purpose The prevalence of obesity is an escalating concern in modern populations, predominantly attributed to the widespread adoption of sedentary lifestyles observed globally. Extensive research has established a significant association between obesity and Helicobacter pylori (H. pylori). Nonetheless, a comprehensive assessment of the global prevalence of H. [Read more...](#)

6. The projected increase of vertebral osteomyelitis in Germany implies a demanding challenge for future healthcare management of aging populations

09-04-2024 - Springer

Abstract Purpose Since an increase in the occurrence of native vertebral osteomyelitis (VO) is expected and reliable projections are missing, it is urgent to provide a reliable forecast model and make it a part of future health care considerations. **Methods** Comprehensive nationwide data provided by the Federal Statistical Office of Germany were used to forecast total numbers and incidence ... [Read more...](#)

7. Sapovirus: an emerging pathogen in kidney transplant recipients?

09-04-2024 - Springer

Abstract Purpose Diarrhea is an important cause of morbidity and mortality in immunocompromised patients. After including sapovirus to the viral gastroenteritis screening of our institution's laboratory, we noticed an increase in sapovirus infections among kidney transplant recipients. Therefore, we assumed former gastrointestinal tract infections with unidentified pathogens could have been ... [Read more...](#)

8. The agreement between bronchoalveolar lavage, bronchial wash and sputum culture: a retrospective study

08-04-2024 - Springer

Abstract Purpose Bronchoalveolar lavage is commonly used in clinical practice for unresolved pneumonia. However, bronchoalveolar lavage is not suitable for all patients as it is an invasive procedure and can worsen oxygenation. The diagnostic value of bronchial wash and sputum has been debated extensively over the years. In this study, we aim to compare the diagnostic value in several ... [Read more...](#)

9. Incipient tuberculosis: a comprehensive overview

08-04-2024 - Springer

Abstract In the context of the evolving global health landscape shaped by the COVID-19 pandemic, tuberculosis (TB) is gaining renewed attention as a reemerging threat even in low-endemic countries. Immunological tests such as the tuberculin skin test (TST) and interferon-gamma release assay (IGRA) are pivotal in identifying tuberculosis infection (TBI). However, ... [Read more...](#)

10. Definition of the Post-COVID syndrome using a symptom-based Post-COVID score in a prospective, multi-center, cross-sectoral cohort of the German National Pandemic Cohort Network (NAPKON)

08-04-2024 - Springer

Abstract Purpose The objective examination of the Post-COVID syndrome (PCS) remains difficult due to heterogeneous definitions and clinical phenotypes. The aim of the study was to verify the functionality and correlates of a recently developed PCS score. Methods The PCS score was applied to the prospective, multi-center cross-sectoral cohort (in- and outpatients with SARS-CoV-2 infection) of ... [Read more...](#)

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

07-04-2024 - Springer

[Read more...](#)

12. 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...](#)

13. 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...](#)

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Infection Control & Hospital Epidemiology

1. Surveillance of carbapenem-resistant and in perianal swab samples

12-04-2024 - Cambridge University Press

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2. Research agenda for transmission prevention within the Veterans Health Administration, 2024–2028

11-04-2024 - Cambridge University Press

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International Journal of Infectious Diseases

1. Editorial Board

13-04-2024 - ScienceDirect

Publication date: May 2024 Source: International Journal of Infectious Diseases, Volume 142 Author(s): [Read more...](#)

2. Intravenous immunoglobulin therapy for COVID-19 in immunocompromised patients: a retrospective cohort study

13-04-2024 - ScienceDirect

Publication date: Available online 12 April 2024 Source: International Journal of Infectious Diseases Author(s): Remigius Gröning, Jonatan Walde, Clas Ahlm, Mattias NE Forsell, Johan Normark, Johan Rasmuson [Read more...](#)

3. Corrigendum to “COVID-19 VACCINES MAY ALSO BOOST IMMUNITY TO SEASONAL CORONAVIRUSES AND INFLUENZA” [International Journal of Infectious Diseases Volume 134, Supplement 1 (2023), Page S11]

12-04-2024 - ScienceDirect

Publication date: June 2024 Source: International Journal of Infectious Diseases, Volume 143 Author(s): V. Gopal, O. Teng, A. May Lin, P. Tambyah, R. Chee Seong [Read more...](#)

4. Demographic characteristics and risk factors for invasive fungal sinusitis in the context of COVID-19: A systematic review and meta-analysis

12-04-2024 - ScienceDirect

Publication date: Available online 12 April 2024 Source: International Journal of Infectious Diseases Author(s): Han Chen, Longgang Yu, Lin Wang, Jisheng Zhang, Xudong Yan, Yan Jiang [Read more...](#)

5. Risk of SARS-CoV-2 infection in patients with hematologic diseases receiving tixagevimab/cilgavimab as pre-exposure prophylaxis in most recent Omicron sublineages era

12-04-2024 - ScienceDirect

Publication date: Available online 12 April 2024 Source: International Journal of Infectious Diseases Author(s): Alessandra Vergori, Alessandro Cozzi Lepri, Marta

Chiuchiarelli, Valentina Mazzotta, Elisabetta Metafuni, Giulia Matusali, Valentina Siciliano, Jessica Paulicelli, Eleonora Alma, Agostina Siniscalchi, Simona Sica, Elisabetta Abruzzese, Massimo Fantoni, Andrea Antinori, ... [Read more...](#)

6. Who develops long COVID? Longitudinal pre-pandemic predictors of long COVID and symptom clusters in a representative Dutch population

11-04-2024 - *ScienceDirect*

Publication date: Available online 10 April 2024
Source: International Journal of Infectious Diseases
Author(s): Isabel A.L. Slurink, Sophie C.M. van den Houdt, Gaëtan Mertens [Read more...](#)

7. Transplacental transfer of maternal antibodies following immunization with recombinant pertussis vaccines during pregnancy: real-world evidence

11-04-2024 - *ScienceDirect*

Publication date: Available online 11 April 2024
Source: International Journal of Infectious Diseases
Author(s): Surasith Chaithonwongwatthana, Wassana Wijagkanalan, Nasamon Wanlapakorn, Librada Fortuna, Vilasinee Yuwaree, Chawanee Kerdsomboon, Indrajeet Kumar Poredi, Souad Mansouri, Pham Hong Thai, Yong Poovorawan [Read more...](#)

8. Cefazolin versus cloxacillin in methicillin-susceptible *Staphylococcus aureus* endocarditis: Too good to be true? Authors' reply

11-04-2024 - *ScienceDirect*

Publication date: Available online 22 February 2024
Source: International Journal of Infectious Diseases
Author(s): Laura Herrera-Hidalgo, Arístides de Alarcón [Read more...](#)

9. Temporal patterns of organ dysfunction in COVID-19 patients hospitalized in the intensive care unit: A group-based multitrajectory modelling analysis

10-04-2024 - *ScienceDirect*

Publication date: Available online 10 April 2024
Source: International Journal of Infectious Diseases
Author(s): Jiafei Yu, Kai Zhang, Tianqi Chen, Ronghai Lin, Qijiang Chen, Chensong Chen, Minfeng Tong, Jianping Chen, Jianhua Yu, Yuhang Lou, Panpan Xu, Chao Zhong, Qianfeng Chen, Kangwei Sun, Liyuan Liu, Lanxin Cao, Cheng Zheng, Ping Wang, Qitao Chen, Qianqian Yang [Read more...](#)

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1. Retraction for Waters et al., “Genotyping and Phenotyping of Beta2-Toxigenic Clostridium perfringens Fecal Isolates Associated with Gastrointestinal Diseases in Piglets

12-04-2024 - American Society for Microbiology

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

2. Retraction for Waters et al., “Regulated Expression of the Beta2-Toxin Gene (cpb2) in Clostridium perfringens Type A Isolates from Horses with Gastrointestinal Diseases”

12-04-2024 - American Society for Microbiology

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

3. Dynamics and prognostic value of plasma cell-free DNA PCR in patients with invasive aspergillosis and mucormycosis

11-04-2024 - American Society for Microbiology

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

4. The Brief Case: Incidental finding of Brucella abortus bacteremia in a patient with urinary tract infection

11-04-2024 - American Society for Microbiology

Journal of Clinical Microbiology, Volume 62, Issue 4, April 2024. [Read more...](#)

5. Performance of two modified two-tier algorithms for the serologic diagnosis of Lyme disease

10-04-2024 - American Society for Microbiology

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

6. Answer to April 2024 Photo Quiz

10-04-2024 - American Society for Microbiology

Journal of Clinical Microbiology, Volume 62, Issue 4, April 2024. [Read more...](#)

7. Photo Quiz: Mmm ... delicious ceviche from Ecuador!

10-04-2024 - American Society for Microbiology

Journal of Clinical Microbiology, Volume 62, Issue 4, April 2024. [Read more...](#)

1. Assessment of Antimicrobial Resistance Laboratory-based Surveillance Capacity of Hospitals in Zambia: Findings and Implications for System Strengthening

13-04-2024 - Journal of Hospital Infection

A well-established antimicrobial resistance (AMR) laboratory-based surveillance (LBS) is of utmost importance in a country like Zambia which bears a significant proportion of the world's communicable disease burden. This study assessed the capacity of laboratories in selected hospitals to conduct AMR surveillance in Zambia. [Read more...](#)

2. Trends in viable microbial bioburden on surfaces within a paediatric bone marrow transplant unit

13-04-2024 - Journal of Hospital Infection

Despite their role being historically overlooked, environmental surfaces have been shown to play a key role in the transmission of pathogens causative of healthcare-associated infections (HCAI). To guide infection prevention and control (IPC) interventions and inform clinical risk assessments, more needs to be known about microbial surface bioburden. [Read more...](#)

3. A comparison of an algorithm, and coding data, with traditional surveillance to identify surgical site infections in Australia: A retrospective multicentred cohort study

12-04-2024 - Journal of Hospital Infection

Surveillance of healthcare associated infections (HAIs) in Australia is disparate, resource intensive, unsustainable and provides limited information. Traditional HAI surveillance is time intensive and agreement levels between clinicians has been shown to be variable. The aim was to compare two methods, a semi-automated algorithm, and coding data, against traditional surgical site infections ... [Read more...](#)

4. The use of faecal microbiota transplant as treatment for recurrent or refractory *Clostridioides difficile* infection and other potential indications: second edition of joint British Society of Gastroenterology (BSG) and Healthcare Infection Society (HIS) guidelines

11-04-2024 - Journal of Hospital Infection

The first British Society of Gastroenterology (BSG) and Healthcare Infection Society (HIS)-endorsed faecal microbiota transplant (FMT) guidelines were published in 2018. Over the past 5 years, there has been considerable growth in

the evidence base (including publication of outcomes from large national FMT registries), necessitating an updated critical review of the literature and a second ... [Read more...](#)

5. Positive rate for carbapenem-resistant Enterobacterales in hospital water environment: A single-center study in South Korea

08-04-2024 - *Journal of Hospital Infection*

The water environment serves as a reservoir of Carbapenem-resistant Enterobacterales (CRE) outbreaks in hospitals, encompassing handwashing sinks, water dispensers, wastewater drainage systems, toilets, and shower drains [1-6]. Nonetheless, few studies have systematically evaluated the water environment for CRE in South Korea. [Read more...](#)

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Journal of Infection

1. Distinct patterns of vital sign and inflammatory marker responses in adults with suspected bloodstream infection

08-04-2024 - *Elsevier*

To identify patterns in inflammatory marker and vital sign responses in adult with suspected bloodstream infection (BSI) and define expected trends in normal recovery. [Read more...](#)

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Journal of Infection Prevention

1. Central aspects when implementing an electronic monitoring system for assessing hand hygiene in clinical settings: A grounded theory study

08-04-2024 - *National Library of Medicine*

CONCLUSION: We identified dynamic collective work between leaders and co-workers during the implementation of the electronic monitoring system. Leadership, participation and knowledge were central aspects of enhancing a collaborative process. We strongly recommend involving both ward leaders and users of new technologies to promote successful implementation. [Read more...](#)

2. Factors associated with the disinfection of devices attached to peripheral intravenous catheters performed by the nursing team in pediatric units

08-04-2024 - *National Library of Medicine*

CONCLUSION: Performing friction below the recommended time can cause a false sense of prevention of catheter-associated bloodstream infection therefore, training sessions and strategies for adherence to the disinfection procedures should be considered, mainly for professionals with more training time. [Read more...](#)

3. The use of procedural kits may reduce unscheduled central line dressing changes: A matched pre-post intervention study

08-04-2024 - National Library of Medicine

BACKGROUND: Unscheduled dressing changes for central venous lines (CVLs) have been shown to increase the risk of bloodstream infections. [Read more...](#)

4. World Health Organization World Hand Hygiene Day, 5 May 2024. SAVE LIVES: Clean Your Hands campaign: Promoting knowledge and capacity building on infection prevention and control, including hand hygiene, among health and care workers

08-04-2024 - National Library of Medicine

The World Health Organization's (WHO) World Hand Hygiene Day continues to "bring people together and accelerate hand hygiene action at the point of care in health care to contribute to a reduction in health care-associated infections and the achievement of safer, quality health care for all." [Read more...](#)

5. Diary

08-04-2024 - National Library of Medicine

No abstract [Read more...](#)

6. Identifying research priorities for infection prevention and control. A mixed methods study with a convergent design

08-04-2024 - National Library of Medicine

BACKGROUND: Meaningful research creates evidence for Infection Prevention and Control (IPC) practice. [Read more...](#)

7. Does it matter who performs blood culture collection? Results of a survey assessing phlebotomist, nurse, and resident knowledge of blood culture collection protocols

08-04-2024 - National Library of Medicine

Blood cultures are the primary method for diagnosing bloodstream infections. However, blood culture contamination (BCC) can lead to unnecessary antibiotic treatment, additional tests, and extended patient time in the hospital. The aim of this quality improvement project was to evaluate healthcare workers' knowledge

of blood culture collection protocols and evaluate the blood culture ... [Read more...](#)

8. A large multicenter *Ralstonia pickettii* outbreak in critically ill patients during the COVID-19 pandemic: Epidemiological and clinical characteristics of 66 cases

08-04-2024 - *National Library of Medicine*

CONCLUSIONS: This large multicenter outbreak caused by intravenous medications contaminated with *R. pickettii* mainly affected critically ill COVID-19 patients. Mortality was high and largely related to *R. pickettii* bloodstream infection. [Read more...](#)

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Journal of Infectious Diseases

1. “Clean Care for All—It’s in Your Hands”: The 5th of May 2019 World Health Organization SAVE LIVES: Clean Your Hands Campaign

12-04-2024 - *Oxford University Press*

Alexandra Peters and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages e6–e7, <https://doi.org/10.1093/infdis/jiz086> [Read more...](#)

2. Withdrawn as Duplicate: Two Human Challenge Studies Confirm High Infectivity of Norwalk Virus

12-04-2024 - *Oxford University Press*

Amy E Kirby and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages e1–e5, <https://doi.org/10.1093/infdis/jiu585> [Read more...](#)

3. Higher Levels of SARS-CoV-2 Genetic Variation in Immunocompromised Patients: A Retrospective Case-Control Study

12-04-2024 - *Oxford University Press*

Romane Guilbaud and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1041–1049, <https://doi.org/10.1093/infdis/jiad499> SARS-CoV-2 genetic diversity was found to be higher in infections of immunocompromised patients than in those of health care workers used as controls. The SARS-CoV-2 genome evolved differently in the upper and lower respiratory tracts. [Read more...](#)

4. Impact of Nutritional Status on Antibody Titer After Booster mRNA COVID-19 Vaccine Among Elderly Adults in Japan

12-04-2024 - Oxford University Press

Masahiko Mori and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1035–1040, <https://doi.org/10.1093/infdis/jiad495>
This study showed the deleterious impact of underweight body mass index on mRNA COVID-19 vaccine efficacy among elderly adults, with lower antibody titer levels after vaccination and a shorter period in its maintenance. [Read more...](#)

5. Tenofovir Douche as HIV Preexposure Prophylaxis for Receptive Anal Intercourse: Safety, Acceptability, Pharmacokinetics, and Pharmacodynamics (DREAM 01)

12-04-2024 - Oxford University Press

Ethel D Weld and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1131–1140, <https://doi.org/10.1093/infdis/jiad535>
Tenofovir formulated as a rectal douche offers the potential for a single-dose, on-demand, acceptable, and behaviorally congruent option for HIV preexposure prophylaxis supported by colorectal tissue tenofovir diphosphate and antiviral effect ... [Read more...](#)

6. Risk of Severe COVID-19 and Protective Effectiveness of Vaccination Among Solid Organ Transplant Recipients

12-04-2024 - Oxford University Press

Kyungmin Huh and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1026–1034, <https://doi.org/10.1093/infdis/jiad501> In this nationwide claims-based study in Korea, the risk of severe COVID-19 was significantly higher in solid organ transplant recipients (SOTRs) compared to non-SOTRs. Vaccination showed significant effectiveness in reducing the risk of ... [Read more...](#)

7. Prevalence of Alpha, Beta, and Gamma Human Papillomaviruses in Patients With Head and Neck Cancer and Noncancer Controls and Relation to Behavioral Factors

12-04-2024 - Oxford University Press

Walid A Al-Soneidar and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1088–1096, <https://doi.org/10.1093/infdis/jiad335>
There is no difference in prevalence of cutaneous human papillomavirus (HPV) between cancer cases and controls. No cutaneous HPV was detected in tumor tissues. The distribution of α - and γ -HPV, but not β -HPV, ... [Read more...](#)

8. Modeling Poliovirus Transmission and Responses in New York State

12-04-2024 - Oxford University Press

Kimberly M Thompson and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1097–1106, <https://doi.org/10.1093/infdis/jiad355> In 2022, New York State reported polio in an unvaccinated adult and wastewater surveillance showed sustained transmission of genetically linked polioviruses despite high overall reported poliovirus vaccine coverage. [Read more...](#)

9. Pathogenesis and Transmission Assessment of 3 Swine-Origin Influenza A(H3N2) Viruses With Zoonotic Risk to Humans Isolated in the United States, 2017–2020

12-04-2024 - Oxford University Press

Xiangjie Sun and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1107–1111, <https://doi.org/10.1093/infdis/jiad359> We used the ferret model to assess the public health risk posed by 3 swine-origin influenza A(H3N2) viruses isolated in the US during 2017–2020, highlighting the necessity of ongoing swine influenza virus surveillance and risk assessment ... [Read more...](#)

10. Monovalent SARS-CoV-2 mRNA Vaccine Does not Boost Omicron-Specific Immune Response in Diabetic and Control Pediatric Patients

12-04-2024 - Oxford University Press

Alan Sariol and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1059–1067, <https://doi.org/10.1093/infdis/jiad366> Pediatric participants with type 1 diabetes and controls respond equally well to SARS-CoV-2-specific mRNA vaccines. Upon boosting with ancestral monovalent vaccines, however, both sets of children mount a poorer antibody response to Omicron ... [Read more...](#)

11. Safety and Immunogenicity of the Heterologous 2-Dose Ad26.ZEBOV, MVA-BN-Filo Vaccine Regimen in Health Care Providers and Frontliners of the Democratic Republic of the Congo

12-04-2024 - Oxford University Press

Ynke Larivière and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1068–1076, <https://doi.org/10.1093/infdis/jiad350> The administration of a heterologous Ad26.ZEBOV, MVA-BN-Filo vaccine regimen (56-day interval) in health care providers and frontliners from the Tshuapa province (Democratic Republic of the Congo) induced a robust Ebola virus ... [Read more...](#)

12. HIV Prevention Among Men Who Have Sex With Men: Tenofovir Alafenamide Combination Preexposure Prophylaxis Versus Placebo

12-04-2024 - Oxford University Press

Paul N Zivich and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1123–1130, <https://doi.org/10.1093/infdis/jiad507> This study compared the effectiveness of TAF/FTC as HIV prevention to a placebo using data from 2 randomized trials. After standardizing the demographics and risk factors between trials, TAF/FTC reduced the risk of HIV infection over 96 weeks. [Read more...](#)

13. Epidemiology of Medically Attended Respiratory Syncytial Virus Lower Respiratory Tract Infection in Japanese Children, 2011–2017

12-04-2024 - Oxford University Press

Eric A F Simões and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1112–1122, <https://doi.org/10.1093/infdis/jiad367> Although previous studies have examined the burden of RSV–attributable inpatient and outpatient visits, our study in Japan is unique in detailing the burden of medically attended RSV infection by prematurity status, ... [Read more...](#)

14. Alternating Arenavirus Vector Immunization Generates Robust Polyfunctional Genotype Cross-Reactive Hepatitis B Virus–Specific CD8 T-Cell Responses and High Anti–Hepatitis B Surface Antigen Titers

12-04-2024 - Oxford University Press

Sarah Schmidt and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1077–1087, <https://doi.org/10.1093/infdis/jiad340> A novel hepatitis B virus (HBV) therapeutic vaccine was generated using nonreplicating arenavirus vectors and antigens selected for potent genotype cross-reactive responses. Vaccination produced polyfunctional cytotoxic T-cell responses with ... [Read more...](#)

15. SARS-CoV-2 Infection in the Pediatric Oncology Population: The Definitive Comprehensive Report of the Infectious Diseases Working Group of AIEOP

12-04-2024 - Oxford University Press

Daniele Zama and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1050–1058, <https://doi.org/10.1093/infdis/jiad496> This report from the Italian Association of Pediatric Hematology and Oncology found that SARS-CoV-2 infections in pediatric patients with cancer and recipients of hematopoietic stem cell transplantation in Italy during the pandemic were ... [Read more...](#)

16. Immunosuppressive Ability of *Trichinella spiralis* Adults Can Ameliorate Type 2 Inflammation in a Murine Allergy Model

12-04-2024 - Oxford University Press

Wenjie Shi and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1215–1228, <https://doi.org/10.1093/infdis/jiad518> *Trichinella spiralis* adults maintain lung immune homeostasis by increasing the proportion of

alveolar macrophages and CD103 + dendritic cells while reducing the recruitment of interstitial macrophages. They promote the development of Treg cells ... [Read more...](#)

17. Genome-wide DNA Methylation Profiling in Lyme Neuroborreliosis Reveals Altered Methylation Patterns of HLA Genes

12-04-2024 - Oxford University Press

Anna J Henningsson and others The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Pages 1209–1214, <https://doi.org/10.1093/infdis/jiad451> We present the first genome-wide analysis of DNA methylation in peripheral blood mononuclear cells from patients with and those without the tick-borne infection Lyme neuroborreliosis (LNB). Our findings show that LNB is associated with ... [Read more...](#)

18. SARS-CoV-2 mRNA Vaccines Induce Greater Complement Activation and Decreased Viremia and Nef Antibodies in Men With HIV-1

12-04-2024 - Oxford University Press

Dylan J Tuttle and others The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Pages 1147–1157, <https://doi.org/10.1093/infdis/jiad544> In this study we show that the SARS-CoV-2 mRNA vaccines elicit lower S1-specific IgG and lower neutralizing antibodies to SARS-CoV-2, along with greater complement activation and decreased HIV-1 viremia and anti-Nef IgG in men with HIV-1. [Read more...](#)

19. Relative Adrenal Insufficiency Is a Risk Factor for Pediatric Sepsis: A Proof-of-Concept Study

12-04-2024 - Oxford University Press

Dan Hao and others The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Pages 1166–1177, <https://doi.org/10.1093/infdis/jiad369> Using a new relative adrenal insufficiency (RAI) pediatric mouse model, this study demonstrated that RAI is a risk factor in pediatric sepsis and that glucocorticoid therapy successfully rescued mice with RAI. [Read more...](#)

20. Surrogate Endpoints in Pandemic Preparedness

12-04-2024 - Oxford University Press

Harm-Jan de Grooth and Jean-Jacques Parienti The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Pages 1244–1245, <https://doi.org/10.1093/infdis/jiae052> [Read more...](#)

21. Linezolid Population Pharmacokinetic Model in Plasma and Cerebrospinal Fluid Among Patients With Tuberculosis Meningitis

12-04-2024 - Oxford University Press

Noha Abdelgawad and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1200–1208, <https://doi.org/10.1093/infdis/jiad413> We describe linezolid plasma and cerebrospinal fluid pharmacokinetics in adults with tuberculosis meningitis/HIV. Linezolid was readily detected in cerebrospinal fluid despite coadministration with high-dose rifampicin. [Read more...](#)

22. Does PET-CT Have a Role in the Evaluation of Tuberculosis Treatment in Phase 2 Clinical Trials?

12-04-2024 - Oxford University Press

Gail B Cross and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1229–1238, <https://doi.org/10.1093/infdis/jiad425> There is mounting use of PET-CT as a biomarker of tuberculosis treatment. In this review, we explore the evidence available to date and what remains to support its use in early-phase clinical tuberculosis trials. [Read more...](#)

23. Viral Load Dynamics in Plasma and Semen When Antiretroviral Therapy Is Initiated During Early HIV-1 Infection

12-04-2024 - Oxford University Press

Trupti Gilada and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1141–1146, <https://doi.org/10.1093/infdis/jiad520> Viral load dynamics was assessed among those randomized to deferred versus immediate ART during primary HIV-1 infection. Among treated participants, VL in plasma and semen reduced to <1000 copies/mL in the absence of ART, ... [Read more...](#)

24. Assessing Per-Sex-Act HIV-1 Risk Reduction Among Women Using the Dapivirine Vaginal Ring

12-04-2024 - Oxford University Press

Randy M Stalter and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1158–1165, <https://doi.org/10.1093/infdis/jiad550> Among cisgender African women using the dapivirine vaginal ring for HIV-1 prevention, drug release rates consistent with continuous product use were associated with a 63% (95% CI, 33%–80%) per-sex-act HIV-1 risk reduction, ... [Read more...](#)

25. Hybrid Immunity to Severe Acute Respiratory Syndrome Coronavirus 2 During Pregnancy Provides More Durable Infant Antibody Responses Compared to Natural Infection or Vaccination Alone

12-04-2024 - Oxford University Press

Sylvia M LaCourse and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1241–1243, <https://doi.org/10.1093/infdis/jiae046>
[Read more...](#)

26. *Plasmodium malariae* and *Plasmodium ovale* —Prevalent and Relevant

12-04-2024 - *Oxford University Press*

Wouter Graumans and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1239–1240, <https://doi.org/10.1093/infdis/jiae015>
[Read more...](#)

27. High-Resolution Plasma Metabolomics Identifies Alterations in Fatty Acid, Energy, and Micronutrient Metabolism in Adults Across the Leprosy Spectrum

12-04-2024 - *Oxford University Press*

Jessica K Fairley and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1189–1199, <https://doi.org/10.1093/infdis/jiad410>
Results of our untargeted high-resolution metabolomics study demonstrated differentially regulated metabolic pathways that differed significantly across cases of leprosy and controls with vitamin D, retinol, ... [Read more...](#)

28. Inhibition of Pyruvate Dehydrogenase Kinase 4 Attenuates Myocardial and Mitochondrial Injury in Sepsis-Induced Cardiomyopathy

12-04-2024 - *Oxford University Press*

Tangtian Chen and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1178–1188, <https://doi.org/10.1093/infdis/jiad365>
Serum pyruvate dehydrogenase kinase 4 levels were elevated in pediatric patients with sepsis-induced cardiomyopathy, which correlated with disease severity and 28-day mortality. In experimental sepsis-induced cardiomyopathy, ... [Read more...](#)

29. Environmental Surveillance for *Salmonella* Typhi and its Association With Typhoid Fever Incidence in India and Malawi

12-04-2024 - *Oxford University Press*

Christopher B Uzzell and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 979–987, <https://doi.org/10.1093/infdis/jiad427>
Environmental (wastewater) surveillance for *Salmonella* Typhi using standardized protocols found a higher prevalence in India compared with Malawi, consistent with recent studies of typhoid fever incidence. [Read more...](#)

30. Predictors of Severity of Influenza-Related Hospitalizations: Results From the Global Influenza Hospital Surveillance Network (GIHSN)

12-04-2024 - *Oxford University Press*

Lily E Cohen and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 999–1009, <https://doi.org/10.1093/infdis/jiad303> We analyzed data from 73 121 patients hospitalized with respiratory illness in 22 countries 15 660 had laboratory-confirmed influenza. We found a 7-fold increase in the risk of influenza-related intensive care unit admission in lower ... [Read more...](#)

31. Changing Clinical Epidemiology of *Plasmodium vivax* Malaria as Transmission Decreases: Population-Based Prospective Panel Survey in the Brazilian Amazon

12-04-2024 - Oxford University Press

Pablo S Fontoura and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 947–958, <https://doi.org/10.1093/infdis/jiad456> *Plasmodium vivax* detectability by microscopy and its ability to elicit symptoms decrease as transmission is reduced in the Amazon. Changes in the ratio between circulating parasites and those accumulating in the bone marrow and spleen might ... [Read more...](#)

32. Risk of Malaria Following Untreated Subpatent *Plasmodium falciparum* Infections: Results Over 4 Years From a Cohort in a High-Transmission Area in Western Kenya

12-04-2024 - Oxford University Press

Erica E Zeno and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 969–978, <https://doi.org/10.1093/infdis/jiad398> The difference in risk of clinical malaria following a subpatent infection compared with an uninfected episode varies by transmission season. Rapid diagnostic tests identify most clinically relevant infections however, ... [Read more...](#)

33. sTREM-1 to Risk-Stratify Patients With Malaria: A Functional Crystal Ball to Improve Outcomes and Save Lives

12-04-2024 - Oxford University Press

Bàrbara Baro and Quique Bassat *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 923–925, <https://doi.org/10.1093/infdis/jiad565> [Read more...](#)

34. The Association of Post-COVID-19–Related Symptoms and Preceding Severe Acute Respiratory Syndrome Coronavirus 2 Infection Among Fully Vaccinated Paramedics in Canada

12-04-2024 - Oxford University Press

Michael Asamoah-Boaheng and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1019–1025, <https://doi.org/10.1093/infdis/jiad475> In this study of Canadian paramedics, we

did not detect an association between prior SARS-CoV-2 infections and symptoms associated with post-COVID conditions. [Read more...](#)

35. Vaccine Take of RV3-BB Rotavirus Vaccine Observed in Indonesian Infants Regardless of HBGA Status

12-04-2024 - Oxford University Press

Celeste M Donato and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 1010–1018, <https://doi.org/10.1093/infdis/jiad351>
Population differences in histo-blood group antigen status may contribute to the varying performance of oral rotavirus vaccines. This study revealed that the RV3-BB vaccine produced positive cumulative vaccine take, ... [Read more...](#)

36. Climate Changes Health

12-04-2024 - Oxford University Press

The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Pages 926–927, <https://doi.org/10.1093/infdis/jiad570> [Read more...](#)

37. Malaria Species Positivity Rates Among Symptomatic Individuals Across Regions of Differing Transmission Intensities in Mainland Tanzania

12-04-2024 - Oxford University Press

Zachary R Popkin-Hall and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 959–968, <https://doi.org/10.1093/infdis/jiad522>
A molecular analysis of 3284 dried blood spots collected from cross-sectional surveys in 100 health facilities across 10 regions of Mainland Tanzania found that *P. ovale* spp. and *P. malariae* are present nationwide and must be ... [Read more...](#)

38. Emphasis of Diversity, Equity, and Inclusion on US Adult Infectious Disease Fellowship Program Websites in the Era of Virtual Recruitment

12-04-2024 - Oxford University Press

Jessica S Tischendorf and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 931–935, <https://doi.org/10.1093/infdis/jiad081>
An emphasis on diversity, equity, and inclusion on program websites can be part of a multipronged effort to recruit diverse infectious disease fellows. Few programs prominently featured this content on their websites leading up to the ... [Read more...](#)

39. sTREM-1: A Biomarker of Mortality in Severe Malaria Impacted by Acute Kidney Injury

12-04-2024 - Oxford University Press

Ivan Mufumba and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 936–946, <https://doi.org/10.1093/infdis/jiad561>
Biomarkers represent promising tools to guide risk stratification of children with acute febrile illnesses and guide the rational allocation of resources. In this study, sTREM-1 was able to predict mortality using validated risk thresholds in ... [Read more...](#)

40. Azithromycin for Bacterial Watery Diarrhea: A Reanalysis of the AntiBiotics for Children With Severe Diarrhea (ABCD) Trial Incorporating Molecular Diagnostics

12-04-2024 - Oxford University Press

Patricia B Pavlinac and others *The Journal of Infectious Diseases* , Volume 229, Issue 4, 15 April 2024, Pages 988–998, <https://doi.org/10.1093/infdis/jiad252>
Improved clinical outcomes among children with acute watery diarrhea of bacterial etiology in this reanalysis of the ABCD trial suggest that a short course of azithromycin may be warranted if bacterial etiologies could be identified at ... [Read more...](#)

41. Climate Change and Contagion: The Circuitous Impacts From Infectious Diseases

12-04-2024 - Oxford University Press

The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Pages 928–930, <https://doi.org/10.1093/infdis/jiad571> [Read more...](#)

42. Correction to: Microbiota Predict Infections and Acute Graft-Versus-Host Disease After Pediatric Allogeneic Hematopoietic Stem Cell Transplantation

12-04-2024 - Oxford University Press

The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Page 1246, <https://doi.org/10.1093/infdis/jiae117> [Read more...](#)

43. Correction to: SARS-CoV-2 Infection in the Pediatric Oncology Population: The Definitive Comprehensive Report of the Infectious Diseases Working Group of AIEOP

12-04-2024 - Oxford University Press

The Journal of Infectious Diseases , Volume 229, Issue 4, 15 April 2024, Page 1247, <https://doi.org/10.1093/infdis/jiae118> [Read more...](#)

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1. Evaluation of a new CT/NG/TV/MG Real-Time PCR Kit (Vircell) versus the Allplex STI Essential Assay (Seegene) for the diagnosis of sexually transmitted infections

09-04-2024 - *Microbiology Society*

Sexually transmitted infections (STI) are a public health problem. Real-time PCR assays are the most sensitive test for screening and diagnosis of these infections. The aim of this study was to evaluate a new CT/NG/TV/MG Real-Time PCR (RT-PCR) kit (Vircell) for the detection of *Chlamydia trachomatis*, *Neisseria gonorrhoeae*, *Mycoplasma genitalium* and *Trichomonas vaginalis* for the diagnosis of ... [Read more...](#)

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Journal of Microbiology, Immunology and Infection

1. The Effect of Statins on the Risk of Anti-Tuberculosis Drug-Induced Liver Injury among Patients with Active Tuberculosis: A Cohort Study

09-04-2024 - *ScienceDirect*

Publication date: Available online 8 April 2024
Source: Journal of Microbiology, Immunology and Infection
Author(s): Chun-Kai Huang, Jei-Yie Huang, Chin-Hao Chang, Shang-Jie Tsai, Chin-Chung Shu, Hao-Chien Wang, Kuo-Liong Chien
[Read more...](#)

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The Lancet: Global Health

1. [Comment] Adapting existing tools to control and eliminate protracted epidemics and pandemics

11-04-2024 - *Elsevier*

Cholera is a disease of inequity that today kills the poorest and most vulnerable people in Africa, Asia, and the Hispaniola region (comprising of Haiti and the Dominican Republic).¹ Data on cholera are often incomplete and underreported. Hence, the global burden of cholera is largely unknown. However, a previous study that used data collected from 2008 to 2012 estimated cholera to annually ... [Read more...](#)

2. [Comment] A Global Tuberculosis Dictionary: unified terms and definitions for the field of tuberculosis

11-04-2024 - *Elsevier*

Tuberculosis is one of the oldest foes of humankind, with a reach spanning every nation. Tuberculosis has claimed the most lives of any infectious disease in history.¹ In 2022 alone, there were around 10·6 million disease episodes, and 1·3 million tuberculosis-attributable deaths.² Tuberculosis research holds a prominent position in the scientific landscape, and has one of the most extensive ... [Read more...](#)

3. [Articles] Efficacy of assisted partner services for people who inject drugs in Kenya to identify partners living with HIV and hepatitis C virus infection: a prospective cohort study

11-04-2024 - Elsevier

Use of assisted partner services among people with HIV who inject drugs was safe and identified partners with HIV and HCV infections. Assisted partner services was associated with increased uptake of ART for both index participants and partners. [Read more...](#)

4. [Articles] Safety and immunogenicity of the Euvichol-S oral cholera vaccine for prevention of *Vibrio cholerae* O1 infection in Nepal: an observer-blind, active-controlled, randomised, non-inferiority, phase 3 trial

11-04-2024 - Elsevier

A two-dose regimen of Euvichol-S vaccine was non-inferior to the active control vaccine, Shanchol, in terms of seroconversion rates 2 weeks after the second dose. The simplified formulation and production requirements of the Euvichol-S vaccine have the potential to increase the supply of oral cholera vaccine and reduce the gap between the current oral cholera vaccine supply and demand. [Read more...](#)

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Microbiology and Molecular Biology Reviews

1. Retracing the evolution of *Pneumocystis* species, with a focus on the human pathogen *Pneumocystis jirovecii*

08-04-2024 - American Society for Microbiology

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

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Morbidity and Mortality Weekly Report

1. Assessment of Risk for Sudden Cardiac Death Among Adolescents and Young Adults After Receipt of COVID-19 Vaccine — Oregon, June 2021–December 2022

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes a review of Oregon death certificate data to assess whether young people in Oregon might be dying after receiving a COVID-19 vaccine.

[Read more...](#)

2. Measles — United States, January 1, 2020–March 28, 2024

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes measles cases in the United States during 2020–2024

[Read more...](#)

3. State Medicaid Coverage for Tobacco Cessation Treatments and Barriers to Accessing Treatments — United States, 2018–2022

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes state Medicaid coverage of tobacco cessation treatments.

[Read more...](#)

4. COVID-19 Vaccination Coverage — World Health Organization African Region, 2021–2023

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes COVID-19 vaccination coverage in the World Health Organization African Region during 2021–2023. [Read more...](#)

5. Infections Associated with Medtronic Duet External Ventricular Drains — Rhode Island Hospital, Providence, Rhode Island, January 2023–January 2024

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes an investigation of external ventricular drain-associated infections at a Rhode Island hospital. [Read more...](#)

6. Notes from the Field: Neonatal Salmonellosis Associated with Backyard Poultry — Oregon, November 2023

11-04-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes a case of salmonellosis associated with backyard poultry in a newborn. [Read more...](#)

7. EARLY RELEASE: Vital Signs: Mammography Use and Association with Social Determinants of Health and Health-Related Social Needs Among Women — United States, 2022

09-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes the association between mammography use and specific social determinants of health and health-related social needs. [Read more...](#)

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Nature Reviews Microbiology

1. Microbial adaptability in changing environments

12-04-2024 - *Nature*

Nature Reviews Microbiology, Published online: 12 April 2024
doi:10.1038/s41579-024-01046-w This Genome Watch article highlights the recent use of large-scale monitoring of natural microbiomes to examine feedback between environmental change and microbial adaptation. [Read more...](#)

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NEJM Journal Watch: Infectious Diseases

1. Clinical Diagnosis of Varicella Is Inaccurate

11-04-2024 - *Massachusetts Medical Society*

In the postvaccination era, clinical diagnosis of varicella is wrong at least half the time. [Read more...](#)

2. An Autoantibody Implicated in Adult-Onset Immunodeficiency

11-04-2024 - *Massachusetts Medical Society*

Anti-interleukin-23 antibodies are associated with severe mycobacterial, fungal, and bacterial diseases in adults. [Read more...](#)

3. Benefits of Comprehensive Primary Care for Persons Living with HIV

11-04-2024 - *Massachusetts Medical Society*

In a CDC-supported study, non-ID providers attained equivalent HIV outcomes as ID providers, with better retention in care and likelihood of testing for sexually transmitted infections. [Read more...](#)

4. Monoclonal Antibody Receives Emergency Use Authorization for Preventing COVID-19 in High-Risk Patients

10-04-2024 - Massachusetts Medical Society

Pemivibart, a long-acting antispikes monoclonal antibody, is likely to be most beneficial in immunosuppressed patients at excess risk for severe COVID-19. [Read more...](#)

5. Observations from ID and Beyond: The Rise and Fall of Paxlovid

10-04-2024 - Massachusetts Medical Society

Dr. Paul Sax recaps the astonishing success and now failure of Paxlovid in HIV and ID Observations. [Read more...](#)

6. Should Patients with COVID-19 Who Are at Standard Risk Take Nirmatrelvir/Ritonavir?

09-04-2024 - Massachusetts Medical Society

Patients at average risk for progression to severe disease did not benefit. [Read more...](#)

7. HIV Preexposure Prophylaxis for Cisgender Women

09-04-2024 - Massachusetts Medical Society

Although the efficacy of oral PrEP for cisgender women has been questioned, HIV incidence is very low with consistent use of >4 weekly doses. [Read more...](#)

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UKHSA affiliation

UKHSA Affiliation

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

13-04-2024 - 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...](#)

2. Faster detection of asymptomatic COVID-19 cases among care home staff in England through the combination of SARS-CoV-2 testing technologies

13-04-2024 - Ovid

Author Names: Ryan F., Cole-Hamilton J., Dandamudi N., Futschik M.E., Needham A., Saquib R., Kulasegaran-Shylini R., Blandford E., Kidd M., O'Moore E., Hall I., Sudhanva M., Klapper P., Dodgson A., Moore A., Duke M., Tunkel S., Kenny C., Fowler T. Database Source: Embase Weekly Updates Journal Title: Scientific reports Article Title: Faster detection of asymptomatic COVID-19 cases among care home staff in ... [Read more...](#)

3. Inequalities in physical and mental health among people in prison

13-04-2024 - 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...](#)

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

13-04-2024 - 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...](#)

5. Effectiveness of infection prevention and control interventions, excluding personal protective equipment, to prevent nosocomial transmission of SARS-CoV-2: a systematic review and call for action

13-04-2024 - Ovid

Author Names: Jafari Y., Yin M., Lim C., Pople D., Evans S., Stimson J., Pham T.M., Read J.M., Robotham J.V., Cooper B.S., Knight G.M. Database Source: Embase Daily Updates Journal Title: Infection Prevention in Practice Article Title: Effectiveness of infection prevention and control interventions, excluding personal protective equipment, to prevent nosocomial transmission of SARS-CoV-2: a systematic ... [Read more...](#)

6. Global efforts needed to address burden of preventable stillbirth

13-04-2024 - Ovid

Author Names: Khalil A., Samara A., Coutinho C.M., Ladhani S.N. Database Source: Embase Weekly Updates Journal Title: Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology Article Title: Global efforts needed to address burden of preventable stillbirth Year: 2024 Issue: 4 Volume: 63 Abstract: [Read more...](#)

7. Rapid emergence of transmissible SARS-CoV-2 variants in mild community cases

13-04-2024 - Ovid

Author Names: Crone M.A., Hakki S., Fenn J., Zhou J., de Oliveira C.R., Madon K.J., Koycheva A., Badhan A., Jonnerby J., Nevin S., Conibear E., Derelle R., Varro R., Luca C., Ahmad S., Zambon M., Barclay W.S., Dunning J., Freemont P.S., Taylor G.P., Lalvani A. Database Source: Embase Weekly Updates Journal Title: Microbiology Spectrum Article Title: Rapid emergence of transmissible SARS-CoV-2 variants in mild ... [Read more...](#)

8. Correction to: The plasmidome associated with Gram-negative bloodstream infections: A large-scale observational study using complete plasmid assemblies (Nature Communications, (2024), 15, 1, (1612), 10.1038/s41467-024-45761-7)

13-04-2024 - Ovid

Author Names: Lipworth S., Matlock W., Shaw L., Vihta K.-D., Rodger G., Chau K., Barker L., George S., Kavanagh J., Davies T., Vaughan A., Andersson M., Jeffery K., Oakley S., Morgan M., Hopkins S., Peto T., Crook D., Walker A.S., Stoesser N. Database Source: Embase Daily Updates Journal Title: Nature Communications, Nature Communications Article Title: Correction to: The plasmidome associated with Gram-negative ... [Read more...](#)

9. Pt-TiO₂ catalysts for glycerol photoreforming: comparison of anatase, brookite and rutile polymorphs

13-04-2024 - Ovid

Author Names: Pecoraro C.M., Mino L., Kozyr E., Palmisano L., di Franco F., Loddo V., Santamaria M., Bellardita M. Database Source: Embase Weekly Updates Journal Title: Chemical Communications, Chemical Communications Article Title: Pt-TiO₂ catalysts for glycerol photoreforming: comparison of anatase, brookite and rutile polymorphs Year: 2024 Issue: 28 Volume: 60 Abstract: We compared the H₂ ... [Read more...](#)

10. Risk of transmission of SARS-CoV-2 on international flights, a retrospective cohort study using national surveillance data in England

13-04-2024 - Ovid

Author Names: Howkins J., Packer S., Walsh E., Kumar D., Edeghere O., Hickman M., Oliver I. Database Source: Embase Weekly Updates Journal Title: BMC Infectious Diseases, BMC Infectious Diseases Article Title: Risk of transmission of

SARS-CoV-2 on international flights, a retrospective cohort study using national surveillance data in England Year: 2024 Issue: 1 Volume: 24 Abstract: Background: It is ... [Read more...](#)

11. Whooping cough rises sharply in UK and Europe

13-04-2024 - Ovid

Author Names: Smout E.,Mellon D.,Rae M. Database Source: Embase Weekly Updates Journal Title: BMJ,BMJ Article Title: Whooping cough rises sharply in UK and Europe Year: 2024 Issue: Volume: Abstract: [Read more...](#)

12. The important lessons lurking in the history of meningococcal epidemiology

13-04-2024 - Ovid

Author Names: Borrow R.,Findlow J. Database Source: Embase Weekly Updates Journal Title: Expert Review of Vaccines,Expert Review of Vaccines Article Title: The important lessons lurking in the history of meningococcal epidemiology Year: 2024 Issue: 1 Volume: 23 Abstract: Introduction: The epidemiology of invasive meningococcal disease (IMD), a rare but potentially fatal illness, ... [Read more...](#)

13. Forces required to dynamize sliding screws in gamma nail and selfdynamizable internal fixator

13-04-2024 - Ovid

Author Names: Mitkovic M.M.,Korunovic N.D.,Milenkovic S.S.,Stojiljkovic P.M.,Manic M.T.,Trajanovic M.D. Database Source: Embase Weekly Updates Journal Title: BMC Musculoskeletal Disorders,BMC Musculoskeletal Disorders Article Title: Forces required to dynamize sliding screws in gamma nail and selfdynamizable internal fixator Year: 2024 Issue: 1 Volume: 25 Abstract: Background: Single limb ... [Read more...](#)

14. Causal Estimation of Long-term Intervention Cost-effectiveness Using Genetic Instrumental Variables: An Application to Cancer

13-04-2024 - Ovid

Author Names: Dixon P.,Martin R.M.,Harrison S. Database Source: Embase Weekly Updates Journal Title: Medical decision making : an international journal of the Society for Medical Decision Making Article Title: Causal Estimation of Long-term Intervention Cost-effectiveness Using Genetic Instrumental Variables: An Application to Cancer Year: 2024 Issue: 3 Volume: 44 Abstract: BACKGROUND: This ... [Read more...](#)

15. Correction to: Risk of transmission of SARS-CoV-2 on international flights, a retrospective cohort study using national surveillance data in England (BMC Infectious Diseases, (2024), 24, 1, (174), 10.1186/s12879-024-09052-2)

13-04-2024 - Ovid

Author Names: Howkins J.,Packer S.,Walsh E.,Kumar D.,Edeghere O.,Hickman M.,Oliver I. Database Source: Embase Weekly Updates Journal Title: BMC Infectious Diseases,BMC Infectious Diseases Article Title: Correction to: Risk of transmission of SARS-CoV-2 on international flights, a retrospective cohort study using national surveillance data in England (BMC Infectious Diseases, (2024), 24, 1, ... [Read more...](#)

16. Robust and sensitive amplicon-based whole-genome sequencing assay of respiratory syncytial virus subtype A and B

13-04-2024 - Ovid

Author Names: Talts T.,Mosscrop L.G.,Williams D.,Tregoning J.S.,Paulo W.,Kohli A.,Williams T.C.,Hoschler K.,Ellis J.,de Lusignan S.,Zambon M. Database Source: Embase Weekly Updates Journal Title: Microbiology Spectrum Article Title: Robust and sensitive amplicon-based whole-genome sequencing assay of respiratory syncytial virus subtype A and B Year: 2024 Issue: 4 Volume: 12 Abstract: ... [Read more...](#)

17. Pathological findings associated with the updated European Society of Cardiology 2022 guidelines for preoperative cardiac testing: an observational cohort modelling study

13-04-2024 - Ovid

Author Names: Stroda A.,Mauermann E.,Ionescu D.,Szczeklik W.,De Hert S.,Filipovic M.,Beck Schimmer B.,Spadaro S.,Matute P.,Ovezov A.,Turhan S.C.,van Waes J.,Lagarto F.,Theodoraki K.,Gupta A.,Gillmann H.-J.,Guzzetti L.,Koffis K.,Larmann J.,Corneci D.,Buggy D.J.,Howell S.J.,Lurati Buse G.,Kemper J.,Kohaupt L.,Witzler J.,Tuzhikov M.,Roth S.,M'Pembele R.,Tenge T.,Schultze C.,Verbarg N.,Gehrke C. [Read more...](#)

18. Is Silver Addition to Scaffolds Based on Polycaprolactone Blended with Calcium Phosphates Able to Inhibit Candida albicans and Candida auris Adhesion and Biofilm Formation?

13-04-2024 - Ovid

Author Names: Menotti F.,Scutera S.,Maniscalco E.,Coppola B.,Bondi A.,Costa C.,Longo F.,Mandras N.,Pagano C.,Cavallo L.,Banche G.,Malandrino M.,Palmero P.,Allizond V. Database Source: Embase Weekly Updates Journal Title: International Journal of Molecular Sciences,International Journal of Molecular Sciences Article Title: Is Silver Addition to Scaffolds Based on Polycaprolactone Blended with ... [Read more...](#)

19. Fungal biomarker testing turn-around-times at the UK National Mycology Reference Laboratory: Setting the record straight: MRL fungal biomarker turn-around-times

13-04-2024 - Ovid

Author Names: Borman A.M.,Fraser M.,Patterson Z.,McLachlan S.,Palmer M.D.,Mann C.,Oliver D.,Brown P.,Linton C.J.,Dzietczyk A.,Hedley M.,Gough M.,Zapata L.,North P.,Johnson E.M. Database Source: Embase Daily Updates Journal Title: Journal of Infection,Journal of Infection Article Title: Fungal biomarker testing turn-around-times at the UK National Mycology Reference Laboratory: Setting the ... [Read more...](#)

20. Effectiveness of the Sanofi/GSK (VidPrevtyn Beta) and Pfizer-BioNTech (Comirnaty Original/Omicron BA.4-5) bivalent vaccines against hospitalisation in England

13-04-2024 - Ovid

Author Names: Kirsebom F.C.M.,Andrews N.,Stowe J.,Dabrera G.,Ramsay M.,Lopez Bernal J. Database Source: Embase Daily Updates Journal Title: eClinicalMedicine Article Title: Effectiveness of the Sanofi/GSK (VidPrevtyn Beta) and Pfizer-BioNTech (Comirnaty Original/Omicron BA.4-5) bivalent vaccines against hospitalisation in England Year: 2024 Issue: Volume: 71 Abstract: Background: The ... [Read more...](#)

21. Anticancer and chemopreventive potential of Morinda citrifolia L. bioactive compounds: A comprehensive update

13-04-2024 - Ovid

Author Names: Kitic D.,Miladinovic B.,Randjelovic M.,Szopa A.,Seidel V.,Prasher P.,Sharma M.,Fatima R.,Arslan Atessahin D.,Calina D.,Sharifi-Rad J. Database Source: Embase Weekly Updates Journal Title: Phytotherapy Research,Phytotherapy Research Article Title: Anticancer and chemopreventive potential of Morinda citrifolia L. bioactive compounds: A comprehensive update Year: 2024 Issue: 4 ... [Read more...](#)

22. Listeria monocytogenes: the silent assassin

13-04-2024 - Ovid

Author Names: Fotopoulou E.T.,Jenkins C.,Painset A.,Amar C. Database Source: Embase Weekly Updates Journal Title: Journal of Medical Microbiology,Journal of Medical Microbiology Article Title: Listeria monocytogenes: the silent assassin Year: 2024 Issue: 3 Volume: 73 Abstract: Listeriosis is a foodborne infection in humans caused by Listeria monocytogenes. Consumption of contaminated food can ... [Read more...](#)

23. Neosartorya udagawae pulmonary infection requiring a surgical treatment in a paediatric haematopoietic progenitor cell recipient

13-04-2024 - Ovid

Author Names: Tatarinova O.S.,Furness C.L.,Borman A.M.,Barber J.,Muthialu N.,Ferreras-Antolin L. Database Source: Embase Weekly Updates Journal Title: Medical Mycology Case Reports,Medical Mycology Case Reports Article Title: Neosartorya udagawae pulmonary infection requiring a surgical treatment in a paediatric haematopoietic progenitor cell recipient Year: 2024 Issue: Volume: 44 Abstract: ... [Read more...](#)

24. A One Health Perspective on Salmonella enterica Serovar Infantis, an Emerging Human Multidrug-Resistant Pathogen

13-04-2024 - Ovid

Author Names: Mattock J.,Chattaway M.A.,Hartman H.,Dallman T.J.,Smith A.M.,Keddy K.,Petrovska L.,Manners E.J.,Duze S.T.,Smouse S.,Tau N.,Timme R.,Baker D.J.,Mather A.E.,Wain J.,Langridge G.C. Database Source: Embase Weekly Updates Journal Title: Emerging Infectious Diseases,Emerging Infectious Diseases Article Title: A One Health Perspective on Salmonella enterica Serovar Infantis, ... [Read more...](#)

25. Third International Conference on Crimean-Congo Hemorrhagic Fever in Thessaloniki, Greece, September 19-21, 2023

13-04-2024 - Ovid

Author Names: Welch S.R.,Garrison A.R.,Bente D.A.,Burt F.,D'Addiego J.,Devignot S.,Dowall S.,Fischer K.,Hawman D.W.,Hewson R.,Mirazimi A.,Oestereich L.,Vatansever Z.,Spengler J.R.,Papa A. Database Source: Embase Weekly Updates Journal Title: Antiviral Research,Antiviral Research Article Title: Third International Conference on Crimean-Congo Hemorrhagic Fever in Thessaloniki, Greece, ... [Read more...](#)

26. Real time evaluation of a multi-agency TB screening event for persons experiencing homelessness in a town with low incidence of TB in England

13-04-2024 - Ovid

Author Names: Dave M.,Thakrar S.,Bagnall H.,Kumbang J. Database Source: Embase Weekly Updates Journal Title: Epidemiology and Infection,Epidemiology and Infection Article Title: Real time evaluation of a multi-agency TB screening event for persons experiencing homelessness in a town with low incidence of TB in England Year: 2024 Issue: Volume: Abstract: Real time evaluation (RTE) supports ... [Read more...](#)

27. Comparative transcriptional analysis of Candida auris biofilms following farnesol and tyrosol treatment

13-04-2024 - Ovid

Author Names: Jakab A.,Kovacs F.,Balla N.,Nagy-Koteles C.,Ragyak A.,Nagy F.,Borman A.M.,Majoros L.,Kovacs R. Database Source: Embase Weekly Updates Journal Title: Microbiology Spectrum Article Title: Comparative

transcriptional analysis of *Candida auris* biofilms following farnesol and tyrosol treatment Year: 2024 Issue: 4 Volume: 12 Abstract: *Candida auris* is frequently associated with ... [Read more...](#)

28. Concomitant, consecutive, self-obtained facemask and swab samples from exhaled breath, pox lesions, nasopharynx and the face in patients recovering from mpox - A longitudinal sampling study

13-04-2024 - Ovid

Author Names: Pan D.,Atkinson B.,Decker J.,Williams C.M.,Nazareth J.,Martin C.A.,Bird P.,Fahad M.,Nicholls I.,Spencer A.,Onianwa O.,Vogt A.,Sahota A.,Tang J.W.,Stephenson I.,Bennett A.M.,Pareek M.,Barer M.R. Database Source: Embase Daily Updates Journal Title: *Journal of Infection*,*Journal of Infection* Article Title: Concomitant, consecutive, self-obtained facemask and swab samples from ... [Read more...](#)

29. Targeted RNAseq Revealed the Gene Expression Signature of Ferroptosis-Related Processes Associated with Disease Severity in Patients with Multiple Sclerosis

13-04-2024 - Ovid

Author Names: Stojkovic L.,Jovanovic I.,Dincic E.,Djordjevic A.,Koveljic J.,Djuric T.,Stankovic A.,Vojinovic S.,Zivkovic M. Database Source: Embase Weekly Updates Journal Title: *International Journal of Molecular Sciences*,*International Journal of Molecular Sciences* Article Title: Targeted RNAseq Revealed the Gene Expression Signature of Ferroptosis-Related Processes Associated with Disease ... [Read more...](#)

30. Surveillance system integration: reporting the results of a global multicountry survey

13-04-2024 - Ovid

Author Names: Carter E.D.,Stewart D.E.,Rees E.E.,Bezuidenhout J.E.,Ng V.,Lynes S.,Desenclos J.C.,Pyone T.,Lee A.C.K. Database Source: Embase Daily Updates Journal Title: *Public Health*,*Public Health* Article Title: Surveillance system integration: reporting the results of a global multicountry survey Year: 2024 Issue: Volume: 231 Abstract: Objectives: Currently, ... [Read more...](#)

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Author Names: Ayling K.,Brown M.,Carlisle S.,Bennett R.,Buchanan H.,Dumbleton J.,Hawkey C.,Hoschler K.,Jack R.H.,Nguyen-Van-Tam J.,Royal S.,Turner D.,Zambon M.,Fairclough L.,Vedhara K. Database Source: Embase Weekly Updates Journal Title: *Health Psychology*,*Health Psychology* Article Title:

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Author Names: Devoy J.,Al-Abed S.,Cerdan B.,Cho W.-S.,Dubuc D.,Flahaut E.,Grenier K.,Grossmann S.,Gulumian M.,Jeong J.,Kim B.W.,Laycock A.,Lee J.S.,Smith R.,Yang M.,Yu I.J.,Zhang M.,Cosnier F. Database Source: Embase Weekly Updates Journal Title: Nanotoxicology,Nanotoxicology Article Title: Analysis of carbon nanotube levels in organic matter: an inter-laboratory comparison to determine best ... [Read more...](#)

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34. 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

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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...](#)

35. Author Correction: The plasmidome associated with Gram-negative bloodstream infections: a large-scale observational study using complete plasmid assemblies

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