Welcome to the weekly Infection Current Awareness Update (ICAU), produced by PHE 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.

Please note: PHE KLS has set up a separate COVID-19 Daily Alert of latest research. If you would like to receive this, please email libraries@phe.gov.uk. In addition to this, a page of resources about the coronavirus is available here.

If you have any queries, please contact us at libraries@phe.gov.uk, and if you would like to request a literature search, please use the Knowledge and Library Services Enquiries Portal (PHE staff only).

Please note that not all the articles and resources referred to in this alert are freely available. Some articles may require an Athens username and password, and for PHE and NHS staff, these can be obtained here. If you do not work for PHE or the NHS, you may want to approach your local health library service to discuss how you may have access to library services.

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• Infectious Diseases Society of America - 1

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• Clinical Infectious Diseases - Advance Access - 31
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• New England Journal of Medicine - Current Issue - 6
• Scandinavian Journal of Infectious Diseases: Table of Contents - 1

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COVID-19 related research

COVID-19 infection

Trustworthy and living guidance for covid-19: time to join forces in the evidence ecosystem
04 Sep 2020
The covid-19 pandemic and related “infodemic” have highlighted the importance of quickly available and trustworthy guidance to inform policy and practice worldwide. The flood of new research, clinical trials, and [...] More... The post Trustworthy and living guidance for covid-19: time to join forces in the evidence ecosystem appeared first on The BMJ.

Large, long-term trials including a placebo comparison and further monitoring, are needed to establish the long-term safety and effectiveness of the vaccine for preventing #COVID19 infection (8/8) hubs.li/H0vGWRW0
04 Sep 2020

Infection-related guidance

British Medical Association

ARM: How more people can get involved than ever before
01 Sep 2020
A feature of this year’s virtual meeting will be a focus on inequality

Infectious Diseases Society of America

New in JID: A cluster of #COVID19 cases in Japan linked to music clubs suggests that infected individuals who are asymptomatic can transmit #SARS-CoV2 to others as soon as two days after infection. bit.ly/3lMS0BF #J InfectDis #IDSAJournals
04 Sep 2020
after infection. https://t.co/Ng8ix3VLey #J InfectDis #IDSAJournals*We’ve detected that JavaScript is

Infection-related journals

American Journal of Infection Control

Effectiveness of 222-nm ultraviolet light on disinfecting SARS-CoV-2 surface contamination
04 Sep 2020
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), which causes coronavirus disease 2019 (COVID-19), has emerged as a serious threat to human health worldwide.1,2 SARS-CoV-2 is mainly transmitted through infected respiratory droplets and close contact with infected people

Efficacy of Flexible Endoscope Drying Using Novel Endoscope Test Articles that Allow Direct Visualization of the Internal Channel Systems
Strict adherence to reprocessing guidelines and instructions is essential to prevent cross-infection between patients undergoing flexible endoscopic procedures. Yet, despite reported adherence to endoscope reprocessing guidelines, there has been an increase in endoscopically transmitted infections attributed to waterborne and multi-drug resistant organisms.

**Can Patient-Reported Room Cleanliness Measures Predict Hospital-Acquired C. difficile Infection? A study of Acute Care Facilities in New York State**

Patient experience measures, like those form the Hospital Consumer Assessment of Healthcare providers and Systems (HCAHPS) survey, are increasingly used in healthcare policy decisions. However, it remains unclear if these reflect quality of care, like rates of hospital-acquired infections (HAIs).

**Facilitators and Challenges Experienced by Nursing Homes Enrolling in the CDC National Healthcare Safety Network**

Standardized measurement of healthcare-associated infection (HAIs) is essential to improving nursing home (NH) resident safety and reducing morbidity and mortality, as demonstrated in acute care settings.

**SARS-CoV-2 infection and COVID-19: The lived experience and perceptions of patients in isolation and care in an Australian healthcare setting**

Isolation and quarantine are key measures in outbreak management and disease control. They are, however, associated with negative patient experiences and outcomes, including an adverse impact on mental health and lower quality of care due to limited interaction with healthcare workers.

**Clinical Infectious Diseases - Advance Access**

**Calcified neurocysticercosis: The knowledge gap remains**

**Cluster-randomized trial of adjuvanted vs. non-adjuvanted trivalent influenza vaccine in 823 U.S. nursing homes**

AbstractBackgroundInfluenza leads in preventable infection-related hospitalization in nursing home (NH) residents. The adjuvanted trivalent influenza vaccine (aTIV) is more immunogenic than similarly-dosed non-adjuvanted trivalent influenza vaccine (TIV) and observational studies suggest aTIV better prevents hospitalizations in older adults. We prospectively tested this in a NH setting.

**Evaluating differences in opioid and stimulant use-associated infectious disease hospitalizations in Florida, 2016-2017**

AbstractBackgroundThe opioid epidemic has led to increases in injection drug use (IDU)-associated infectious diseases; however, little is known about how more recent increases in stimulant use have affected the incidence and outcomes of hospitalizations for infections among people who inject drugs (PWID).

**Reply to authors**

**Therapy of Sars-Coronavirus-2 pneumonia: is there an optimal IL-6 cut-off for successful tocilizumab treatment?**

**Efficacy of Tocilizumab for treatment of severe COVID-19 Pneumonia: more evidence is needed**

**Histoplasmosis caused by Histoplasma capsulatum var. duboisii: a comprehensive review of cases from 1993 to 2019**
AbstractBackgroundHistoplasmosis caused by Histoplasma capsulatum var. duboisii (Hcd) is a rare, but probably underestimated, endemic infection described in intertropical Africa. Therefore, the epidemiology of the infection remains unclear, and there is no consensus on therapeutic management.

MethodsUsing a comprehensive search on different internet databases, we collected case reports of Hcd.

The Role of Biomarkers in Suspected Neonatal Sepsis
03 Sep 2020

sepsis, neonate, antibiotics, procalcitonin, C-reactive protein

C-Reactive Protein, Procalcitonin, and White Blood Count to Rule Out Neonatal Early-onset Sepsis Within 36 Hours: A Secondary Analysis of the Neonatal Procalcitonin Intervention Study
03 Sep 2020

AbstractBackgroundNeonatal early-onset sepsis (EOS) is one of the main causes of global neonatal mortality and morbidity, and initiation of early antibiotic treatment is key. However, antibiotics may be harmful.

MethodsWe performed a secondary analysis of results from the Neonatal Procalcitonin Intervention Study, a prospective, multicenter, randomized, controlled intervention study.

Modifiable Risk Factors for the Emergence of Ceftolozane-Tazobactam Resistance
03 Sep 2020

AbstractBackgroundCeftolozane-tazobactam (TOL-TAZ) affords broad coverage against Pseudomonas aeruginosa. Regrettably, TOL-TAZ resistance has been reported. We sought to identify modifiable risk factors that may reduce the emergence of TOL-TAZ resistance.

MethodsTwenty-eight patients infected with carbapenem-resistant P.

Primary HPV and Molecular Cervical Cancer Screening in US Women Living with HIV
03 Sep 2020

AbstractBackgroundPrimary human papillomavirus (HPV) screening (PHS) utilizes oncogenic human papillomavirus (oncHPV) testing as the initial cervical cancer screening method and typically, if positive, additional reflex-triage (e.g., HPV16/18-genotyping, Pap testing).

We thought we created a safety net. We were wrong
03 Sep 2020

High frequency of antibiotic prescription in children with undifferentiated febrile illness in Kenya
03 Sep 2020

AbstractBackgroundIn low-resource, malaria-endemic settings, accurate diagnosis of febrile illness in children is challenging. The World Health Organization (WHO) currently recommends laboratory-confirmed diagnosis of malaria prior to starting treatment in stable children.

No One Likes a Stick up Their Nose: Making the Case for Saliva-Based Testing for COVID-19
02 Sep 2020

saliva, SARS-CoV-2, COVID-19, nasopharyngeal swab

Risk factors for SARS-CoV-2 detection in blood of critically ill patients
02 Sep 2020

Patients may accurately self-collect pharyngeal and rectal specimens for Neisseria gonorrhoeae and Chlamydia trachomatis infection: But is there benefit?
02 Sep 2020

Increased BMI and Type 2 diabetes are the main predictors of NAFLD and advanced fibrosis in liver biopsies of patients with HIV mono-infection
02 Sep 2020

AbstractBackgroundLiver disease is an important cause of morbidity and mortality in people living with HIV (PLWH), of which non-alcoholic fatty liver disease (NAFLD) is an increasingly recognised cause. There is limited data investigating NAFLD in HIV mono-infection and histologically defined disease.
Rapid real-time tracking of non-pharmaceutical interventions and their association with SARS-CoV-2 positivity: The COVID-19 Pandemic Pulse Study
02 Sep 2020
Abstract
Background: Current mitigation strategies for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) rely on population-wide adoption of non-pharmaceutical interventions (NPIs). Monitoring NPI adoption and their association with SARS-CoV-2 infection history can provide key information for public health.

02 Sep 2020
Abstract
Background: Urogenital testing misses extragenital Neisseria gonorrhoeae (NG) and Chlamydia trachomatis (CT). Extragenital self-sampling is frequently undertaken despite no robust RCT evidence of efficacy. We compared clinician-taken rectal and pharyngeal samples with self-taken samples for diagnostic accuracy and cost in MSM and females.

Healthcare professionals' perceptions of critical care resource availability and factors associated with mental well-being during COVID-19: Results from a US survey
02 Sep 2020
Abstract
Background: Assessing the impact of COVID-19 on intensive care unit (ICU) providers’ perceptions of resource availability and evaluating factors associated with emotional distress/burnout can inform interventions to promote provider well-being.

SARS-CoV-2 surveillance in decedents in a large, urban medical examiner's office
02 Sep 2020
Abstract
Background: SARS-CoV-2 has become a global pandemic. Given the challenges in implementing widespread SARS-CoV-2 testing, there is increasing interest in alternative surveillance strategies.

Methods: We tested nasopharyngeal swabs from 1094 decedents in the Wayne County Medical Examiner’s office for SARS-CoV-2

Household Transmission of Carbapenemase-Producing Enterobacterales (CPE) in Ontario, Canada
01 Sep 2020
Abstract
Background: Data on household transmission of carbapenemase-producing Enterobacterales (CPE) remain limited. We studied the risk of CPE household co-colonization and transmission in Ontario, Canada.

Methods: We enrolled CPE index cases (identified via population-based surveillance from January 2015 to October 2018) and their household contacts.

Fatty Liver Disease in HIV-HBV Coinfection: A Cause for Concern
01 Sep 2020
Abstract
Background: Hepatitis B (HBV) and fatty liver disease (FLD) are common etiologies of liver disease in HIV. Correlates of FLD and its relationship with alanine aminotransferase (ALT) overtime were examined in HIV-HBV coinfecion Methods: From 04/28/14-11/07/18, 114 HIV-HBV adults underwent a liver biopsy and were followed for a median of 3 years (ancillary study of Hepatitis B Research Network).

COVID-19 response in Zimbabwe: A Call for Urgent Scale-up of Testing to meet National Capacity
31 Aug 2020
Abstract
Background: Control of the coronavirus disease 2019 (COVID-19) heavily relies on universal access to testing to identify who is infected; tracking them to make sure they do not spread the disease further; and tracing those with whom they have been in contact.
Post-Prescription Review with Threat of Infectious Disease Consultation and Sustained Reduction in Meropenem Use Over Four Years
31 Aug 2020
Abstract
Background Following a meropenem shortage, we implemented a post-prescription review with feedback (PPRF) in November 2015 with mandatory infectious disease (ID) consultation for all meropenem and imipenem courses > 72 hours. Providers were made aware of the policy via an electronic alert at the time of ordering.

Performance of the Bronchoalveolar Lavage Fluid Aspergillus Galactomannan Lateral Flow Assay with Cube Reader for Diagnosis of Invasive Pulmonary Aspergillosis: a Multicenter Cohort Study
31 Aug 2020
Abstract
Background The Aspergillus Galactomannan Lateral Flow Assay (LFA) is a rapid test for the diagnosis of invasive aspergillosis (IA) that has been almost exclusively evaluated in patients with hematologic malignancies. An automated digital cube reader which allows for quantification of results has recently been added to the test kits.

Hybrid Simulation for Modelling Healthcare-Associated Infections: Promising but Challenging
31 Aug 2020
Abstract
Healthcare-Associated Infections (HAIs) are a major public health problem as they pose a serious risk for patients and providers, increasing morbidity, mortality, and length of stay as well as costs to patients and the health system. Prevention and control of HAIs has, therefore, become a priority for most healthcare systems.

Human Adenovirus 7-Associated Hemophagocytic Lymphohistiocytosis-Like Illness: Clinical and Virological Characteristics in a Cluster of Five Pediatric Cases
31 Aug 2020
Abstract
Background Hemophagocytic lymphohistiocytosis (HLH) is a life-threatening condition of immune dysregulation. Children often suffer from primary genetic forms of HLH, which can be triggered by infection. Others suffer from secondary HLH as a complication of infection, malignancy, or rheumatologic disease.

COVID-19: First data from Africa
31 Aug 2020
A national strategy to diagnose COVID-19 associated invasive fungal disease in the ICU
29 Aug 2020
Abstract
Background Fungal co-infection is a recognised complication of respiratory virus infections, increasing morbidity and mortality, but can be readily treated if diagnosed early. An increasing number of small studies describing aspergillosis in COVID-19 patients with severe respiratory distress are being reported, but comprehensive data is lacking.

Clinical Microbiology and Infection

Antibiotics: how can we make it as Easy to Stop as it is to Start? Editorial commentary on: Antibiotics: Easier to Start than to Stop? Predictors of Antimicrobial Stewardship Recommendation Acceptance
06 Sep 2020
Publication date: Available online 5 September 2020 Source: Clinical Microbiology and Infection Author(s): Kathleen Chiotos, Pranita D. Tamma

Time to antibiotic administration and patient outcomes in community-acquired pneumonia: results from a prospective cohort study
06 Sep 2020
Publication date: Available online 5 September 2020 Source: Clinical Microbiology and Infection Author(s): Markus Fally, Simone Israelsen, Thomas Benfield, Britta Tarp, Pernille Ravn

The kinetics of viral load and antibodies to SARS-CoV-2
Sensing the threat posed by Aspergillus infection
06 Sep 2020
Publication date: December 2020
Source: Current Opinion in Microbiology, Volume 58
Author(s): Joshua J Obar

Microbiota-immune system interactions and enteric virus infection
06 Sep 2020
Publication date: February 2021
Source: Current Opinion in Virology, Volume 46
Author(s): Mikal A Woods Acevedo, Julie K Pfeiffer

Measles immunity and immunosuppression
06 Sep 2020
Publication date: February 2021
Source: Current Opinion in Virology, Volume 46
Author(s): Diane E Griffin

Analytical and clinical evaluation of new automated chemiluminescent immunoassays for the detection of IgG and IgM anti-Bartonella henselae antibodies
06 Sep 2020
Publication date: Available online 4 September 2020
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Jean-Louis Bayart, Catherine Gusbin, Benjamin Lardinois, Anais Scohy, Benoit Kabamba-Mukadi

A quantitative enzyme-linked immunoassay (ELISA) to approximate complement fixing antibody titers in serum from patients with Coccidioidomycosis
06 Sep 2020
Publication date: Available online 4 September 2020
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Tao Peng, Yue Zong, Michael DL Johnson, Sanjay V. Menghani, Maria Lourdes Lewis, John N Galgiani

Comparison of Procalcitonin testing to a targeted audit-and-feedback strategy on prescribed durations of therapy for community-acquired pneumonia
06 Sep 2020
Publication date: Available online 4 September 2020
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Lauren T. Clark, Thomas S. Beuschel, Paige E. Buss, Andrew Jameson, Lisa E. Dumkow

Respiratory bacterial pathogen spectrum among COVID-19 infected and non-COVID-19 virus infected pneumonia patients
04 Sep 2020
Publication date: Available online 3 September 2020
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Fei He, Xian Xia, Danwen Nie, Hongmei Yang, Yongzhong Jiang, Xixiang Huo, Fang Guo, Bin Fang, Bing Hu, Honglin Jiang, Faxian Zhan, Jing Lv

Comparative study of four SARS-CoV-2 Nucleic Acid Amplification Test (NAAT) platforms demonstrates that ID NOW performance is impaired substantially by patient and specimen type
04 Sep 2020
Emerging Infectious Diseases Journal - ahead of print

Pretreatment HIV Drug Resistance Spread in 6 Metropolitan Regions, Germany, 2001–2018
03 Sep 2020
M. Stecher et al.

Limitations of Ribotyping as Genotyping Method for Corynebacterium ulcerans
03 Sep 2020
T. Sekizuka et al.

Tickborne Relapsing Fever, Jerusalem, Israel, 2004–2018
02 Sep 2020
S. Hashavya et al.

Basic Reproduction Number of Chikungunya Virus Transmitted by Aedes Mosquitoes
02 Sep 2020
N. Haider et al.

Emerging Sand Fly–Borne Phlebovirus in China
02 Sep 2020
J. Wang et al.

Sequential Acquisition of Human Papillomavirus Infection at Genital and Anal Sites, Liuzhou, China
02 Sep 2020
F. Wei et al.

Seawater-Associated Highly Pathogenic Francisella hispaniensis Infections Causing Multiple Organ Failure
02 Sep 2020
H. Zhou et al.

Mycobacterium leprae on Palatine Tonsils and Adenoids of Asymptomatic Patients, Brazil
02 Sep 2020
M. Morgado de Abreu et al.

Deaths Associated with Pneumonic Plague, 1946–2017
02 Sep 2020
A. P. Salam et al.

Fatal Chlamydia avium Infection in Captive Picazuro Pigeons, the Netherlands
02 Sep 2020
M. Kik et al.

Streptococcus equi Subspecies zooepidemicus and Sudden Deaths in Swine, Canada
02 Sep 2020
M. O. Costa and B. Lage

European Journal of Clinical Microbiology & Infectious Diseases

Evaluation of three commercial assays for SARS-CoV-2 molecular detection in upper respiratory tract samples
04 Sep 2020
Abstract The increasing COVID-19 widespread has created the necessity to assess the diagnostic accuracy of newly introduced (RT-PCR based) assays for SARS-CoV-2 RNA detection in respiratory tract samples

Antibody response and the clinical presentation of patients with COVID-19 in Croatia: the importance of a two-step testing approach
04 Sep 2020
Abstract According to anti-SARS-CoV-2 seroresponse in patients with COVID-19 from Croatia, we emphasised the issue of different serological tests and need for combining diagnostic methods for COVID-19 diagnosis. Anti-SARS-CoV-2 IgA and IgG ELISA and IgM/IgG immunochromatographic assay (ICA) were used for testing 60 sera from 21 patients (6 with severe, 10 moderate, and 5 with mild disease)

Outbreak of multi-drug-resistant (MDR) Shigella flexneri in northern Australia due to an endemic regional clone acquiring an IncFII plasmid
04 Sep 2020
Abstract Epidemiological surveillance of Shigella spp. in Australia is conducted to inform public health response. Multi-drug resistance has recently emerged as a contributing factor to sustained local transmission of Shigella spp. All data were collected as part of routine public health surveillance, and strains were whole-genome sequenced for further molecular characterisation

Heterogeneous approach to nebulization of antimicrobial agents in mechanically ventilated adults in a German tertiary care hospital: a cross-sectional survey
03 Sep 2020
Abstract There is lack of standardization of practices and limited evidence on efficacy and safety of nebulization of antimicrobials. We sought to determine inhalation practices in one tertiary care hospital by performing a cross-sectional survey. Eleven adult ICUs were included in the analysis. Three units followed established protocols

Treatment of community-acquired bacterial brain abscess: a survey among infectious diseases specialists in France, Sweden, Australia, and Denmark
02 Sep 2020
Abstract To examine antimicrobial management of brain abscess and prioritize future trials. Self-administered, Internet-based survey of practices for treatment of community-acquired bacterial brain abscess among infectious diseases (ID) specialists in France, Sweden, Australia, and Denmark during November 2019

Correction to: Evaluation of two rapid molecular test systems to establish an algorithm for fast identification of bacterial pathogens from positive blood cultures
01 Sep 2020
Table 2 in the originally published article is not correct and is a duplicate of Table 3. The error happened during typesetting. The correct Table 2 is shown below.

Clinical risk factors related to treatment failure in Mycobacterium abscessus lung disease
01 Sep 2020
Abstract The clinical importance of Mycobacterium abscessus subsp. abscessus (M. abscessus) lung disease has been increasing, but few studies have assessed the clinical characteristics associated with the treatment outcome. We retrospectively analyzed 75 consecutive patients with M. abscessus lung disease diagnosed at a tertiary hospital from January 2004 to April 2018

Neutrophil extracellular traps may have a dual role in Pseudomonas aeruginosa keratitis
01 Sep 2020
Abstract Pseudomonas aeruginosa (P. aeruginosa) keratitis is a sight-threatening and rapidly progressive corneal disease. Neutrophils and neutrophil extracellular traps (NETs) are widely thought to play a vital role in hosts' immune defenses against bacteria, such as P. aeruginosa. The present study aimed to investigate the dynamics of the formation and the role of NETs in P. aeruginosa keratitis
Large waterborne Campylobacter outbreak: use of multiple approaches to investigate contamination of the drinking water supply system, Norway, June 2019

On 6 June 2019, the Norwegian Institute of Public Health was notified of more than 50 cases of gastroenteritis in Askøy. A reservoir in a water supply system was suspected as the source of the outbreak because of the acute onset and geographical distribution of cases. We investigated the outbreak to confirm the source, extent of the outbreak and effect of control measures.

Increasing proportion of vancomycin-resistance among enterococcal bacteraemias in Switzerland: a 6-year nation-wide surveillance, 2013 to 2018

Background Vancomycin-resistant enterococci (VRE), mostly Enterococcus faecium, are multidrug-resistant microorganisms that can cause nosocomial infections. VRE has increased throughout many European countries, but data from Switzerland are scarce. Aim The aim of this work was to characterise the epidemiology of enterococcal bacteraemias in Switzerland with a focus on VRE.

COVID-19 outbreaks in a transmission control scenario: challenges posed by social and leisure activities, and for workers in vulnerable conditions, Spain, early summer 2020

Severe acute respiratory syndrome coronavirus 2 community-wide transmission declined in Spain by early May 2020, being replaced by outbreaks and sporadic cases. From mid-June to 2 August, excluding single household outbreaks, 673 outbreaks were notified nationally, 551 active (>6,200 cases) at the time.

Hepatology

ImmTAV, a new Immunotherapy targeting the source of HBV infection

Confronting hidden COVID-19 burden: a telemedical solution for elective urological outpatient clinics

Abstract Maintaining high-quality care for urological patients is a challenge during and after the Coronavirus disease 2019 (COVID-19) pandemic. We observe an increasing volume of postponed elective visits at our tertiary care hospital, holding the risk for deterioration of non-emergency disease conditions.

COVID-19 outbreak: history, mechanism, transmission, structural studies and therapeutics

Abstract Purpose The coronavirus outbreak emerged as a severe pandemic, claiming more than 0.8 million lives across the world and raised a major global health concern. We survey the history and mechanism of coronaviruses, and the structural characteristics of the spike protein and its key residues responsible for human transmissions.

Digestive enzymes of fungal origin as a relevant cause of false positive Aspergillus antigen testing in intensive care unit patients
Abstract Background Galactomannan antigen (GM) testing is widely used in the diagnosis of invasive aspergillosis (IA). Digestive enzymes play an important role in enzyme substitution therapy in exocrine pancreatic insufficiency.

Bloodstream infection due to Enterobacter ludwigii, correlating with massive aggregation on the surface of a central venous catheter
03 Sep 2020
Abstract We report a case of catheter associated bloodstream infection due to Enterobacter ludwigii with a massive aggregation on the surface of a central venous catheter (CVC). The 57 years old patient with a history of spondylodiscitis and Staphylococcus aureus-associated endocarditis was admitted to the intensive care unit for acute cerebral infarction.

A case report of cutaneous leishmaniasis: a misleading clinical presentation
02 Sep 2020
Abstract Background The diagnosis of cutaneous leishmaniasis (CL) is often difficult because of the diversity of clinical presentations, its often-misleading appearance and the very long incubation period (time between the endemic stay and the onset of skin lesions).

Pneumothorax in 2019 novel coronavirus pneumonia needs to be recognized
02 Sep 2020

Cats and kids: how a feline disease may help us unravel COVID-19 associated paediatric hyperinflammatory syndrome
02 Sep 2020

Treatment options for K. pneumoniae, P. aeruginosa and A. baumannii co-resistant to carbapenems, aminoglycosides, polymyxins and tigecycline: an approach based on the mechanisms of resistance to carbapenems
01 Sep 2020
Abstract The management of carbapenem-resistant infections is often based on polymyxins, tigecycline, aminoglycosides and their combinations. However, in a recent systematic review, we found that Gram-negative bacteria (GNB) co-resistant to carbapenems, aminoglycosides, polymyxins and tigecycline (CAPT-resistant) are increasingly being reported worldwide.

Infection Control & Hospital Epidemiology - FirstView Article

Development of a 51-hospital Chicagoland regional antibiogram and comparison to local hospital and national surveillance data
04 Sep 2020
Published online by Cambridge University Press:

Institutional quality and patient safety programs: An overview for the healthcare epidemiologist
04 Sep 2020
Published online by Cambridge University Press:

Costs of ambulatory pediatric healthcare-associated infections: Central-line-associated bloodstream infection (CLABSIs), catheter-associated urinary tract infection (CAUTIs), and surgical site infections (SSIs)
03 Sep 2020
Published online by Cambridge University Press:

Impact of clinical guidance and rapid molecular pathogen detection on evaluation and outcomes of febrile or hypothermic infants
03 Sep 2020
Published online by Cambridge University Press:

Management of Candida auris outbreak in a tertiary-care setting in Saudi Arabia
03 Sep 2020
Published online by Cambridge University Press:
Nosocomial hepatitis A outbreak among healthcare workers and patients in a community hospital during an ongoing statewide outbreak
03 Sep 2020
Published online by Cambridge University Press:

Risk stratification tool for all surgical site infections after coronary artery bypass grafting
03 Sep 2020
Published online by Cambridge University Press:

Safety, effectiveness and sustainability of a laboratory intervention to de-adopt culture of midstream urine samples among hospitalized patients
02 Sep 2020
Published online by Cambridge University Press:

Survey to determine the relative importance of clinical factors used to make empiric antibiotic decisions
02 Sep 2020
Published online by Cambridge University Press:

Interventions to improve antibiotic prescribing at hospital discharge: A systematic review
01 Sep 2020
Published online by Cambridge University Press:

Reduction in abdominal hysterectomy surgical site infection rates after the addition of anaerobic antimicrobial prophylaxis
28 Aug 2020
Published online by Cambridge University Press:

Validation of an algorithm for semiautomated surveillance to detect deep surgical site infections after primary total hip or knee arthroplasty—A multicenter study
28 Aug 2020
Published online by Cambridge University Press:

Evolution of the environmental microbiota of a new neonatal intensive care unit (NICU) and implications for infection prevention and control
28 Aug 2020
Published online by Cambridge University Press:

Absence of nosocomial influenza and respiratory syncytial virus infection in the coronavirus disease 2019 (COVID-19) era: Implication of universal masking in hospitals
17 Aug 2020
Published online by Cambridge University Press:

Inactivation of Severe Acute Respiratory Coronavirus Virus 2 (SARS-CoV-2) and Diverse RNA and DNA Viruses on Three-Dimensionally Printed Surgical Mask Materials
12 Aug 2020
Published online by Cambridge University Press:

International Journal of Infectious Diseases

Hepatitis-B virus infection in India: Findings from a nationally representative serosurvey, 2017-18
06 Sep 2020
Publication date: Available online 5 September 2020Source: International Journal of Infectious DiseasesAuthor(s): Manoj V. Murhekar, Muthusamy Santhosh Kumar, P. Kamaraj, Siraj Ahmed Khan, Ramesh Reddy Allam, Pradip Barde, Bhagirathi Dwibedi, Suman Kanungo, Uday Mohan,
Clinical and epidemiologic characteristics associated with dengue fever in Mombasa, Kenya

Predictive biomarkers for cytomegalovirus reactivation before and after immunosuppressive therapy: A single-institution retrospective long-term analysis of patients with drug-induced hypersensitivity syndrome (DiHS)/drug reaction with eosinophilia and systemic syndrome (DRESS)

The Effect of Ultraviolet C Radiation Against Different N95 Respirators Inoculated with SARS-CoV-2

The assessment of transmission efficiency and latent infection period in asymptomatic carriers of SARS-CoV-2 infection

Asymptomatic SARS Coronavirus 2 infection: Invisible yet invincible

Efficacy and safety of micafungin in empiric and D-index-guided early antifungal therapy for febrile neutropenia; A subgroup analysis of the CEDMIC trial

CT scan does not make a diagnosis of Covid-19: a cautionary case report

Factors associated with unfavorable treatment outcomes among pediatric tuberculosis cases in Harare, Zimbabwe during 2013–2017

Risk factors for symptoms of infection and microbial carriage among French medical students abroad
Emergence of nontuberculous mycobacteria infections during bedaquiline-containing regimens in multidrug-resistant tuberculosis patients
03 Sep 2020
Publication date: Available online 2 September 2020
Source: International Journal of Infectious Diseases
Author(s): Jingtao Gao, Yi Pei, Xiaofeng Yan, Guomin Shi, Tongxin Li, Mengqiu Gao, Yuhong Liu, Yufeng Wang, Wei Shu, Li Liang, Yu Pang

Treatment of SARS-CoV-2 with high dose oral zinc salts: A report on four patients
02 Sep 2020
Publication date: October 2020
Source: International Journal of Infectious Diseases, Volume 99
Author(s): Eric Finzi

The continued dilemma about the usage of hydroxychloroquine: Respite is in randomized control trials
02 Sep 2020
Publication date: October 2020
Source: International Journal of Infectious Diseases, Volume 99
Author(s): Amit Malviya

Journal of Clinical Virology

Comparison of SARS-CoV-2 detection from combined nasopharyngeal/oropharyngeal swab samples by a laboratory-developed real-time RT-PCR test and the Roche SARS-CoV-2 assay on a cobas 8800 instrument
04 Sep 2020

Sequential SARS-CoV-2 IgG assays as confirmatory strategy to confirm equivocal results: Hospital-wide antibody screening in 3,569 staff health care workers in Paris
03 Sep 2020

Pooled Testing for Surveillance of SARS-CoV-2 in Asymptomatic Individuals
03 Sep 2020

Performance evaluation of two SARS-CoV-2 IgG/IgM rapid tests (Covid-Presto and NG-Test) and one IgG automated immunoassay (Abbott)
03 Sep 2020

Use of the variplexTM SARS-CoV-2 RT-LAMP as a rapid molecular assay to complement RT-PCR for COVID-19 diagnosis
31 Aug 2020

Journal of Hospital Infection

Development of a Tool to Assess Evidence for Causality in Studies Implicating Sink Drains as a Reservoir for Hospital-Acquired Gammaproteobacterial Infection
05 Sep 2020

Decades of studies document an association between Gammaproteobacteria in sink drains and hospital-acquired infections, but the evidence for causality is unclear.

Differences in outcomes for hospitalizations of systemic and non-systemic infections associated with vascular and cardiac grafts and devices: a population-based study
03 Sep 2020

Use of vascular and cardiac devices has expanded and is associated with a relative, though disproportionate, increase in device-associated infections.
Empowerment of nurses in antibiotic stewardship: A social-ecological qualitative analysis
03 Sep 2020
Inappropriate antibiotics use and antimicrobial resistance (AMR) are increasingly becoming global health issues of great concern. Despite the established antibiotic stewardship programs (ASP) in many countries, limited efforts have been made to engage nurses and clearly define their roles in ASPs.

Infection prevention and control measures in practices of the Swiss sentinel network during seasonal influenza epidemics
02 Sep 2020
There is limited data about healthcare influenza transmission in the context of primary care practices, despite the fact that a significant proportion of the population consults their primary care physician for an influenza-like illness every year.

Failure to eradicate non-tuberculous mycobacteria upon disinfection of heater-cooler units: results of a microbiological investigation in northwestern Italy
01 Sep 2020
Heater-cooler units (HCUs) used during cardiopulmonary bypass often become colonized with non-tuberculous mycobacteria (NTM), including Mycobacterium chimaera. Recently, a worldwide investigation conducted in hospitalized infected patients has detected M. chimaera in several Stockert 3T HCUs manufactured by LivaNova.

The use of germicidal ultraviolet light, vaporised hydrogen peroxide and dry heat to decontaminate face masks and filtering respirators contaminated with a SARS-CoV-2 surrogate virus
31 Aug 2020
In the context of the ongoing severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) pandemic, the supply of personal protective equipment remains under severe strain. To address this issue, re-use of surgical face masks and filtering facepiece respirators has been recommended; prior decontamination is paramount to their re-use.

Journal of Infection

First trimester miscarriage in a pregnant woman infected with COVID-19 in Pakistan
04 Sep 2020
A recent article published in the journal of Infection, entitled "unfavorable outcome in pregnant patients with COVID-19" by Wenhui Huang and co-authors [1]. Authors analyzed in detail the impact of COVID-19 on pregnancy and here we want to report a case of miscarriage during the first trimester in a pregnant woman infected with SARS-CoV-2 in Pakistan.

Acute hepatitis caused by asymptomatic COVID-19 infection
03 Sep 2020
Dear Editor,
The implementation of an active surveillance integrating information technology and drive-through coronavirus testing station for suspected COVID-19 cases
02 Sep 2020
To the editor,
Influenza-Negative Influenza-Like Illness (fnILI) Z-Score as a Proxy for Incidence and Mortality of COVID-19
01 Sep 2020
Though ideal for determining the burden of disease, SARS-CoV2 test shortages preclude its implementation as a robust surveillance system in the US. We correlated the use of the derivative influenza-negative influenza-like illness (fnILI) z-score from the CDC as a proxy for incident cases.
and disease-specific deaths. For every unit increase of fnILI z-score, the number of cases increased by 376.

Neighbourhood unemployment and other socio-demographic predictors of emergency hospitalisation for infectious intestinal disease in England: a longitudinal ecological study
01 Sep 2020
Infectious intestinal disease (IID) is very common, with around 25% of the UK population experiencing an episode each year. Adverse consequences often include incapacitation and sickness absence, and hospitalisation in the most severe cases. In England, there were over 115,000 emergency admissions for IID in 2016/17.

Early short-course corticosteroids and furosemide combination to treat non-critically ill COVID-19 patients: An observational cohort study
01 Sep 2020
Acute respiratory distress syndrome (ARDS), a life-threatening complication of coronavirus disease-2019 (COVID-19) is associated with elevated risk of intensive care unit (ICU) admission and death, predominantly in the elders.

Initial MEWS score to predict ICU admission or transfer of hospitalized patients with COVID-19: a retrospective study
01 Sep 2020
Early warning scores (EWS) were introduced in early 2001 to identify patients at risk of deterioration in a busy clinical environment as a track-and-trigger system where an increasing score produced an escalated response. EWS have demonstrated better capability in identifying deteriorating patients leading to improved clinical outcome.

The Estimation of Diagnostic Accuracy of Tests for COVID-19: A Scoping Review
31 Aug 2020
After its emergence in December 2019, the virus now known as SARS-CoV-2 was identified and sequenced in early January 2020, allowing for the rapid development of diagnostic testing based on the detection of viral nucleic acid (i.e., real-time reverse transcription polymerase chain reaction [rRT-PCR]).

Treatment of giardiasis in children: randomized trial of rectal metronidazole versus oral tinidazole
31 Aug 2020
We investigated the efficacy, safety and acceptance of rectally administered metronidazole for the treatment of giardiasis in children.

Next Generation Rapid Diagnostic Tests for Meningitis Diagnosis
31 Aug 2020
Meningitis is a disease caused by numerous pathogens: bacterial, viral, fungal, or parasitic. Symptoms typically include fever, stiff neck, confusion, and light sensitivity (CDC, 2019; 51; 60; 14. Globally, meningitis affects 2.8 million people with nearly 319,000 deaths reported in 2016 (GBD 24)

Journal of Infection Prevention

DropSafe safety pen needle helps to prevent accidental needlesticks after injections: results of a simulated clinical study
02 Sep 2020
Journal of Infection Prevention, Ahead of Print. Background: Most needlestick injuries (NSIs) result from unsafe needle devices. DropSafe safety pen needle (SPN) was designed to help prevent such injuries before, during and after use through a built-in sharps injury prevention feature (SIPF). Methods: A two-phase study was undertaken.

Journal of Infectious Diseases
Infectious Diseases and Injection Drug Use: Public Health Burden and Response
02 Sep 2020
Infectious diseases injection drug use HIV hepatitis C invasive infections sexually transmitted diseases

Use of Population-Based Surveys for Estimating the Population Size of Persons Who Inject Drugs in the United States
02 Sep 2020
Abstract
Background In the United States, injection is an increasingly common route of administration for opioids and other substances. Estimates of the number of persons who inject drugs (PWID) are needed for monitoring risk-specific infectious disease rates and health services coverage.

Responding to Outbreaks of Human Immunodeficiency Virus Among Persons Who Inject Drugs—United States, 2016–2019: Perspectives on Recent Experience and Lessons Learned
02 Sep 2020
Abstract
In 2015, a large human immunodeficiency virus (HIV) outbreak occurred among persons who inject drugs (PWID) in Indiana. During 2016–2019, additional outbreaks among PWID occurred across the United States.

Understanding the Intersection of Behavioral Risk and Social Determinants of Health and the Impact on an Outbreak of Human Immunodeficiency Virus Among Persons Who Inject Drugs in Philadelphia
02 Sep 2020
Abstract
In 2018, Philadelphia identified an outbreak of new human immunodeficiency virus (HIV) infections among persons who inject drugs (PWID). Although conventional HIV surveillance systems capture individual-level behavioral risk, they are not able to capture the social and environmental factors contributing to rapid transmission.

Human Immunodeficiency Virus Prevention for People Who Use Drugs: Overview of Reviews and the ICOS of PICOS
02 Sep 2020
Abstract
This article summarizes the results from systematic reviews of human immunodeficiency virus (HIV) prevention interventions for people who use drugs (PWUD). We performed an overview of reviews, meta-analysis, meta-epidemiology, and PROSPERO Registration CRD42017070117.

Assessing County-Level Vulnerability for Opioid Overdose and Rapid Spread of Human Immunodeficiency Virus and Hepatitis C Infection in South Dakota
02 Sep 2020
Abstract
Key indicators of vulnerability for the syndemic of opioid overdose, human immunodeficiency virus (HIV), and hepatitis C virus (HCV) due to injection drug use (IDU) in rural reservation and frontier counties are unknown. We examined county-level vulnerability for this syndemic in South Dakota.

Hepatitis C Virus Incidence in a Cohort in Medication-Assisted Treatment for Opioid Use Disorder in New York City
02 Sep 2020
Abstract
Hepatitis C virus (HCV) incidence has increased in the worsening opioid epidemic. We examined the HCV preventive efficacy of medication-assisted treatment (MAT), and geographic variation in HCV community viral load (CVL) and its association with HCV incidence.

Hepatitis C Virus (HCV) Care Continuum Outcomes and HCV Community Viral Loads Among Patients in an Opioid Treatment Program
02 Sep 2020
Abstract
Hepatitis C virus (HCV) remains endemic among people who use drugs (PWUD). Measures of HCV community viral load (CVL) and HCV care continuum outcomes may be valuable for ascertaining unmet treatment need and for HCV surveillance and control.

Hepatitis C Among High-Risk Alabamians: Disease Burden and Screening Effectiveness
02 Sep 2020
Abstract
The effectiveness of hepatitis C testing and linkage-to-care (LTC) is poorly characterized in low-resource jurisdictions facing gaps in harm reduction, including illegality of
syringe exchange services. Effectiveness of a community-based test/LTC program was evaluated in Alabama.

**Rapid Versus Laboratory-Based Testing for HIV and Hepatitis C at a Drug Detoxification Treatment Center: A Randomized Trial**

**Abstract**

Background: A health department survey revealed nearly half employ laboratory-based HIV and HCV testing (LBT) over rapid testing (RT) in nonhospital settings such as drug detoxification centers. LBT has higher sensitivity for acute HIV infection compared to RT but LBT is not point of care and may result in fewer diagnoses due to loss to follow-up before result delivery.

**Viral Hepatitis and Human Immunodeficiency Virus Testing and Linkage to Care for Individuals Enrolled in an Opioid Treatment Program**

**Abstract**

Background: In the United States, many opioid treatment programs (OTPs) do not offer viral hepatitis (VH) or human immunodeficiency virus (HIV) testing despite high prevalence among OTP clients. We initiated an opt-out VH and HIV testing and linkage-to-care program within our OTP.

**Methods**

All OTP intakes are screened for VH and HIV and evaluated for rescreening annually.

**Psychosocial Factors and the Care Cascade for Hepatitis C Treatment Colocated at a Syringe Service Program**

**Abstract**

Background: Direct-acting antiviral (DAA) therapy for hepatitis C virus (HCV) is highly effective. However, people who inject drugs face significant barriers to DAA access.

**Methods**

We describe a program that colocates HCV management within a syringe service program in New York City. We performed a retrospective chart review of all patients with confirmed HCV viremia.

**Serious Mental Illness Among Young People Who Inject Drugs: An Assessment of Injection Risks and Healthcare Use**

**Abstract**

Background: Data on behavioral correlates of mental illness among young people who inject drugs (PWID) are limited. We examine injection risks and healthcare use among young PWID with probable serious mental illness (PSMI).

**Methods**

People who inject drugs were recruited and interviewed in 20 US cities for 2015 National HIV Behavioral Surveillance.

**From Hospital to the Community: Redesigning the Human Immunodeficiency Virus (HIV) Clinical Service Model to Respond to an Outbreak of HIV Among People Who Inject Drugs**

**Abstract**

An outbreak of human immunodeficiency virus (HIV) among people who inject drugs in Glasgow, Scotland started in 2014. We describe 156 cases over 5 years and evaluate the impact of clinical interventions using virological and phylogenetic analysis.

**Healthcare Access and Utilization Among Persons Who Inject Drugs in Medicaid Expansion and Nonexpansion States: 22 United States Cities, 2018**

**Abstract**

Background: Medicaid expansion under the Affordable Care Act increased insurance coverage, access to healthcare, and substance use disorder treatment, for many Americans. We assessed differences in healthcare access and utilization among persons who inject drugs (PWID) by state Medicaid expansion status.

**National Public Health Burden Estimates of Endocarditis and Skin and Soft-Tissue Infections Related to Injection Drug Use: A Review**

**Abstract**

Background: Despite concerns about the burden of the bacterial and fungal infection syndromes related to injection drug use (IDU), robust estimates of the public health burden of these conditions are lacking.


**Abstract**

Background: Injection drug use (IDU) is an established but uncommon risk factor for candidemia. Surveillance for candidemia is conducted in East Tennessee, an area heavily impacted
by the opioid crisis and IDU. We evaluated IDU-associated candidemia to characterize the epidemiology and estimate the burden.


*Abstract*Background*While increases in overdoses, viral hepatitis, and endocarditis associated with drug use have been well-documented in North Carolina, the full scope of invasive drug-related infections (IDRIs) has not. We characterized trends in IDRIs among hospitalized patients in North Carolina.*

**Methamphetamine Injection Among Young Men Who Have Sex With Men: Risk for Human Immunodeficiency Virus Transmission in a Los Angeles Cohort**

*Abstract*Background*Prevalence of methamphetamine (meth) injection and associated human immunodeficiency virus (HIV) risks among men who have sex with men (MSM) are unclear. Methods*A total of 532 MSM completed 1880 mSTUDY study visits between August 2014 and June 2018 in Los Angeles, California.*

**The Health Resources and Services Administration (HRSA) Ryan White HIV/AIDS Program’s Response to the Opioid Epidemic**

*Abstract*Background*The United States is in the midst of an unprecedented opioid crisis with increasing injection drug use (IDU)-related human immunodeficiency virus (HIV) outbreaks, particularly in rural areas.*

**Opioid Use and Chronic Infections: The Value of Addressing the Syndemic in Correctional Settings Via Telemedicine Guidance and Broader Use of Long-Acting Medications**

*Abstract*In the United States, we are experiencing linked epidemics (a syndemic) of substance use disorders (SUDs) and infections associated with drug use, including unsafe injecting and unsafe sex in exchange for drugs or money.

**An Integrated Hospital Protocol for Persons With Injection-Related Infections May Increase Medications for Opioid Use Disorder Use but Challenges Remain**

*Abstract*Background*Hospital-based strategies that link persons with infectious complications of opioid use disorder (OUD) to medications for OUD (MOUD) are of great interest. The objective of this study is to determine whether a hospital-based protocol would increase the use of MOUD and to identify barriers to MOUD during admission and at the time of discharge.*

**Federal and State Action Needed to End the Infectious Complications of Illicit Drug Use in the United States: IDSA and HIVMA’s Advocacy Agenda**

*Abstract*In response to the opioid crisis, IDSA and HIVMA established a working group to drive an evidence- and human rights-based response to illicit drug use and associated infectious diseases. Infectious diseases and HIV physicians have an opportunity to intervene, addressing both conditions.

**Human Immunodeficiency Virus (HIV) Outbreak Investigation Among Persons Who Inject Drugs in Massachusetts Enhanced by HIV Sequence Data**

*Abstract*Background*The Massachusetts Department of Public Health and the Centers for Disease Control and Prevention collaborated to characterize a human immunodeficiency virus (HIV) outbreak in northeastern Massachusetts and prevent further transmission. We determined the contributions of HIV sequence data to defining the outbreak.*

**Human Immunodeficiency Virus Testing, Diagnosis, Linkage to Care, and Prevention Services Among Persons Who Inject Drugs, United States, 2012–2017**
Human immunodeficiency virus (HIV) testing and early diagnosis is associated with effective disease management and reduction in HIV transmission among persons who inject drugs (PWID). We examined trends in HIV testing outcomes among PWID during 2012–2017.

**Ending the HIV Epidemic Among Persons Who Inject Drugs: A Cost-Effectiveness Analysis in Six US Cities**

Persons who inject drugs (PWID) are at a disproportionately high risk of HIV infection. We aimed to determine the highest-valued combination implementation strategies to reduce the burden of HIV among PWID in 6 US cities.

**Human Immunodeficiency Virus Testing Among People Who Inject Drugs in Rural West Virginia**

Limited research exists on factors associated with human immunodeficiency virus (HIV) testing among people who inject drugs (PWID) in rural America. The purpose of this research is to identify factors associated with rural PWID in Appalachia having not been tested for HIV in the past year.

**Development of an Interdisciplinary Telehealth Model of Provider Training and Comprehensive Care for Hepatitis C and Opioid Use Disorder in a High-Burden Region**

Hepatitis C virus (HCV) and the opioid epidemic disproportionately affect the Appalachian region. Geographic and financial barriers prevent access to specialty care. Interventions are needed to address the HCV-opioid syndemic in this region.

**Tracking Substance Use Complications: A Collaborative Analysis of Public Health and Academic Medical Center Records on Drug Use-Associated Infective Endocarditis**

Healthcare systems and public health agencies use different methods to measure the impact of substance use (SU) on population health. We studied the ability of systems to accurately capture data on drug use-associated infective endocarditis (DUA-IE).

**Trends in Morbidity, Mortality, and Cost of Hospitalizations Associated With Infectious Disease Sequelae of the Opioid Epidemic**

Increases in fatal drug poisonings and hepatitis C infections associated with the opioid epidemic are relatively well defined, because passive surveillance systems for these conditions exist. Less described is the association between the opioid epidemic and skin, soft-tissue, and venous infections (SSTVs), endocarditis, sepsis, and osteomyelitis.

**The Emerging Intersection Between Injection Drug Use and Early Syphilis in Nonurban Areas of Missouri, 2012–2018**

The national rate of syphilis has increased among persons who inject drugs (PWID). Missouri is no exception, with increases in early syphilis (ES), congenital syphilis, and PWID, especially in nonurban counties. Methods: Disease intervention specialist records for ES cases in Missouri (2012–2018) were examined.

**Feasibility and Safety of Outpatient Parenteral Antimicrobial Therapy in Conjunction With Addiction Treatment for People Who Inject Drugs**

Research is limited on combining outpatient parenteral antimicrobial therapy (OPAT) with addiction treatment for people who inject drugs (PWID) with serious infections. Methods: This is a retrospective study of PWID (n = 68) requiring intravenous antibiotics evaluated for suitability for our OPAT program with concurrent addiction treatment.

**Impact of a Plan of Care Protocol on Patient Outcomes in People Who Inject Drugs With Infective Endocarditis**
Abstract

Background
People who inject drugs (PWID) are at increased risk of deleterious sequelae due to infective endocarditis (IE). A standardized, hospital-wide drug use–associated infection protocol targeting medication safety, pain management, and limiting external risk factors was implemented at an academic medical center to improve outcomes in PWID with IE.

A Comparison of Medication for Opioid Use Disorder Treatment Strategies for Persons Who Inject Drugs With Invasive Bacterial and Fungal Infections

Abstract

Background
Patients with opioid use disorder (OUD) are frequently admitted for invasive infections. Medications for OUD (MOUD) may improve outcomes in hospitalized patients.

Methods
In this retrospective cohort of 220 admissions to a tertiary care center for invasive infections due to OUD, we compared 4 MOUD treatment strategies: methadone, buprenorphine, methadone taper for detoxification,

Lancet

[Seminar] Acute pancreatitis

04 Sep 2020

Acute pancreatitis is an unpredictable and potentially lethal disease. The prognosis mainly depends on the development of organ failure and secondary infection of pancreatic or peripancreatic necrosis. In the past 10 years, treatment of acute pancreatitis has moved towards a multidisciplinary, tailored, and minimally invasive approach.

Morbidity and Mortality Weekly Report (MMWR)


03 Sep 2020

This report describes how stay-at-home orders issued to limit the spread of COVID-19 affected population movement in the United States.

Notes from the Field: Phenibut Exposures Reported to Poison Centers - United States, 2009-2019

03 Sep 2020

This report describes an increase in phenibut-related exposures reported to poison centers during 2009-2019.

Notice to Readers: Forthcoming Correction and Republication of the Report "Deaths and Years of Potential Life Lost From Excessive Alcohol Use-United States, 2011-2015"

03 Sep 2020

This notice states that a report on the number of deaths and potential years of life lost because of excessive alcohol use in the United States previously published in MMWR had a number of errors and will be republished with corrections.


03 Sep 2020

This report describes characteristics of drug overdose deaths that involved opioids and stimulants during 2019 and how changes to prevention, treatment, and response strategies could help prevent overdose deaths.

Nonfatal Occupational Injuries to Younger Workers --- United States, 2012-2018

03 Sep 2020

This report describes the increased rates of injury among young workers aged 15-24 years compared with workers aged 25-44 years.
Hydroxychloroquine and Chloroquine Prescribing Patterns by Provider Specialty Following Initial Reports of Potential Benefit for COVID-19 Treatment - United States, January-June 2020

This report describes prescribing patterns for hydroxychloroquine and chloroquine based on provider specialty following initial reports of treatment benefits for COVID-19.

Erratum: Vol 69, No 32

QuickStats: Prevalence of Past or Present Infection with Hepatitis B Virus Among Adults Aged ≥18 Years, by Race and Hispanic Origin - National Health and Nutrition Examination Survey, 1999-2018

This report describes the prevalence of past or present infection with hepatitis B virus among adults by race and Hispanic origin during 1999-2018.

EARLY RELEASE: Seroprevalence of SARS-CoV-2 Among Frontline Health Care Personnel in a Multistate Hospital Network --- 13 Academic Medical Centers, April--June 2020

This report describes the prevalence of antibody evidence of previous SARS-CoV-2 infection among frontline United States health care personnel.

Nature Reviews Microbiology - Current Issue

Gut microbiota in human metabolic health and disease

In this Review, Fan and Pedersen discuss how the gut microbiota and derived microbial compounds may contribute to human metabolic health and to the pathogenesis of common metabolic diseases, and highlight examples of microbiota-targeted interventions aiming to optimize metabolic health.

A short and long distance relationship

Two recent studies report the structural basis of transcription–translation coupling in Escherichia coli, and a further study reports functionally uncoupled transcription–translation in Bacillus subtilis.

New England Journal of Medicine - Current Issue

“A Menace to the Public Health” — Contact Tracing and the Limits of Persuasion

Phase 1–2 Trial of a SARS-CoV-2 Recombinant Spike Protein Nanoparticle Vaccine

Audio Interview: Understanding Antibody Testing in Covid-19

SARS-CoV-2 Infection of Airway Cells
Human papillomavirus (HPV) vaccination and oropharyngeal HPV in ethnically diverse, sexually active adolescents: community-based cross-sectional study.

06 Sep 2020


Abstract

OBJECTIVES:

Overrepresentation of South Asian ethnic groups among cases of influenza A(H1N1)pdm09 during the first phase of the 2009 pandemic in England.

03 Sep 2020

Related Articles Overrepresentation of South Asian ethnic groups among cases of influenza A(H1N1)pdm09 during the first phase of the 2009 pandemic in England. Influenza Other Respir Viruses. 2020 Sep 01;:: Authors: Trienekens SCM, Shepherd W, Pebody RG, Mangtani P, Cleary P

Abstract

BACKGROUND: During the first wave of the influenza A(H1N1)pdm09 pandemic in England in 2009, morbidity and mortality


03 Sep 2020