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SPECIAL REPORT

511 Evidence-based guidelines for the management of abnormally invasive placenta: recommendations from the International Society for Abnormally Invasive Placenta



Sally L. Collins; Bahrin Alemdar; Heleen J. van Beekhuizen; Charline Bertholdt; Thorsten Braun; Pavel Calda; Pierre Delorme; Johannes J. Duvekot; Lene Gronbeck; Gilles Kayem; Jens Langhoff-Roos; Louis Marcellin; Pasquale Martinelli; Olivier Morel; Mina Mhallem; Maddalena Morlando; Lone N. Noergaard; Andreas Nonnenmacher; Petra Pateisky; Philippe Petit; Marcus J. Rijken; Mariola Ropacka-Lesiak; Dietmar Schlembach; Loïc Sentilhes; Vedran Stefanovic; Gita Strindfors; Boris Tutschek; Siri Vangen; Alexander Weichert; Katharina Weizsäcker; Frederic Chantraine; on behalf of the International Society for Abnormally Invasive Placenta (IS-AIP)

An evidence-based guideline from the International Society for Abnormally Invasive Placenta (IS-AIP) for antenatal and intrapartum management of AIP.

GIANTS IN OBSTETRICS AND GYNECOLOGY

527 Giants in Obstetrics and Gynecology Series: A profile of James M. Roberts, MD

Roberto Romero

EXPERT REVIEWS

537 Expanding the indications for cell-free DNA in the maternal circulation: clinical considerations and implications

Gian Carlo Di Renzo; José Luis Bartha; Catia M. Bilardo

Expanding maternal cell-free DNA to other indications, such as microdeletions, duplications, and large chromosome imbalances, does not appear justified at this point.

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AJOG CITATION CLASSICS

Laparoscopy for PID: 1975

In "Effect of acute pelvic inflammatory disease on fertility" (March 1, 1975), Lars Weström, MD, Department of Obstetrics and Gynecology, University Hospital, Lund, Sweden, reviewed the status of 415 women treated 9.5 years earlier for laparoscopically verified PID. He found that 88 (21.2%) were involuntarily childless after having had one or more pelvic infections and 18.1% reported chronic abdominal pain. Among 100 healthy control subjects, only 3 were involuntarily childless and 5 had chronic abdominal pain.

"Laparoscopically," the author notes, "the worse the inflammatory changes, the greater the risk of infertility. . . . The very high pregnancy rate after infections with only mild inflammatory changes of the tubes (97.4 per cent) stresses the importance of early diagnosis and treatment. . . . It is remarkable how little is known about the etiology of tubal infections. Besides being an invaluable diagnostic aid, laparoscopy offers opportunity for research in this field."

The article can be accessed at ajog.org via the Collections tab, then AJOG Citation Classics.

REFERENCE

Weström L. Effect of acute pelvic inflammatory disease on fertility. *Am J Obstet Gynecol* 1975;121: 707-13.

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543 Cerclage for women with twin pregnancies: a systematic review and metaanalysis

Chunbo Li; Jie Shen; Keqin Hua

Cerclage is effective and safe for women with twin pregnancies.

CLINICAL OPINION

558 Academic physicians as factory workers: identifying and preventing alienation of labor

Frank A. Chervenak; Laurence B. McCullough

Leaders in academic obstetrics and gynecology should work with their colleagues to identify and prevent what Karl Marx called alienation of labor.

VIEWPOINT

562 The One Step approach for diagnosing gestational diabetes is associated with better perinatal outcomes than the Two Step approach: evidence of randomized clinical trials

Vincenzo Berghella; Claudia Caissutti; Gabriele Saccone; Adeeb Khalifeh

The One Step approach for diagnosing gestational diabetes is associated with better perinatal outcomes than the Two Step approach.

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GYNECOLOGY

565 Cluster randomized trial of a patient-centered contraceptive decision support tool, *My Birth Control*

Christine Dehlendorf; Judith Fitzpatrick; Edith Fox; Kelsey Holt; Eric Vittinghoff; Reiley Reed; Maria Paula Campora; Abby Sokoloff; Miriam Kuppermann

My Birth Control, a decision support tool designed to enhance patient-centered counseling, had no effect on contraceptive continuation but improved patient knowledge and informed decision-making.

567 Dietary patterns and outcomes of assisted reproduction



Audrey J. Gaskins; Feiby L. Nassan; Yu-Han Chiu; Mariel Arvizu; Paige L. Williams; Myra G. Keller; Irene Souter; Russ Hauser; Jorge E. Chavarro; for the EARTH Study Team

Women prioritizing supplemental folic acid, vitamin B12, vitamin D, low pesticide fruits and vegetables, whole grains, seafood, dairy, and soy and limiting high pesticide fruits and vegetables have higher likelihood of assisted reproductive technologies success.

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569 The impact of menstrual symptoms on everyday life: a survey among 42,879 women



Mark E. Schoep; Theodoor E. Nieboer; Moniek van der Zanden; Didi D. M. Braat; Annemiek W. Nap

Menstrual symptoms are widespread among the general population; 1 in 3 women quit daily activities because of menstrual complaints.

571 Development and validation of a risk-calculator for adverse perioperative outcomes for women with ovarian cancer

Stephanie Cham; Ling Chen; Caryn M. St. Clair; June Y. Hou; Ana I. Tergas; Alexander Melamed; Cande V. Ananth; Alfred I. Neugut; Dawn L. Hershman; Jason D. Wright

A nomogram developed and validated from a nationwide database may predict perioperative adverse outcomes in ovarian cancer debulking.

573 Increased risk of osteoporosis with hysterectomy: A longitudinal follow-up study using a national sample cohort

Hyo Geun Choi; Yoon Jung Jung; Suk Woo Lee

Hysterectomy is associated with an increased risk of osteoporosis regardless of bilateral oophorectomy status in middle-aged women.

575 Life-threatening complications among women with severe ovarian hyperstimulation syndrome

Jessica Selter; Timothy Wen; Katherine L. Palmerola; Alexander M. Friedman; Zev Williams; Eric. J. Forman

Life-threatening complications are rare among women with severe ovarian hyperstimulation syndrome; however, risk is highest among women with medical comorbidities.

578 Waist circumference in relation to outcomes of infertility treatment with assisted reproductive technologies



Ming-Chieh Li; Lidia Mínguez-Alarcón; Mariel Arvizu; Yu-Han Chiu; Jennifer B. Ford; Paige L. Williams; Jill Attaman; Russ Hauser; Jorge E. Chavarro; for the EARTH Study Team

Waist circumference is inversely related to live birth rates in infertility treatment with assisted reproductive technology independently of body mass index.

OBSTETRICS

580 Aspirin delays the development of preeclampsia

David Wright; Kypros H. Nicolaides

Prophylactic use of aspirin may reduce the risk of both preterm and term preeclampsia by delaying the gestational age at delivery with the disease.

ORIGINAL RESEARCH (continued)

582 Severe cardiovascular morbidity in women with hypertensive diseases during delivery hospitalization

Christina M. Ackerman; Marissa H. Platner; Erica S. Spatz; Jessica L. Illuzzi; Xiao Xu; Katherine H. Campbell; Graeme N. Smith; Michael J. Paidas; Heather S. Lipkind

Women with hypertensive disorders of pregnancy have significantly increased odds for cardiovascular morbidity during delivery hospitalization; therefore, detection of cardiovascular symptoms to reduce morbidity is critical.

584 Prediction of imminent preeclampsia at 35–37 weeks gestation

Anca Ciobanu; Alan Wright; Anca Panaitescu; Argyro Syngelaki; David Wright; Kypros H. Nicolaides

Combination of maternal factors, placental growth factor, soluble fms-like tyrosine kinase-1, and mean arterial pressure is superior to placental growth factor alone or soluble fms-like tyrosine kinase-1/placental growth factor ratio in the prediction of imminent delivery with preeclampsia.

588 Influence of periconception smoking behavior on birth defect risk

Madeline F. Perry; Helen Mulcahy; Emily A. DeFranco

Smoking during the few months before conception, even with cessation in the first trimester, is associated with a risk of fetal malformation.

590 Induction of labor at 39 weeks of gestation versus expectant management for low-risk nulliparous women: a cost-effectiveness analysis

Alyssa R. Hersh; Ashley E. Skeith; James A. Sargent; Aaron B. Caughey

Induction of labor at 39 weeks of gestation is marginally cost-effective for low-risk nulliparous women compared with expectant management.

592 Factors that affect ultrasound-determined labor progress in women undergoing induction of labor

Piya Chaemsathong; Angel H. W. Kwan; Wing Ting Tse; Wen Teng Lim; Winnie W. Y. Chan; Ka Chun Chong; Tak Yeung Leung; Liona C. Poon

Parity, methods of labor induction, epidural anesthesia, and obesity affect labor progress, as determined objectively by serial transperineal ultrasonographic assessment of fetal head descent.

594 Vaginal *Ureaplasma parvum* serovars and spontaneous preterm birth

Judith Rittenschober-Böhm; Thomas Waldhoer; Stefan M. Schulz; Birgit Pimpel; Katharina Goeral; David C. Kasper; Armin Witt; Angelika Berger

Vaginal *Ureaplasma parvum* serovar 3 colonization is associated with an increased risk of spontaneous preterm birth at early gestation, particularly when combined with bacterial vaginosis.

596 Immune tolerance attenuates gut dysbiosis, dysregulated uterine gene expression and high-fat diet potentiated preterm birth in mice

Clarence R. Manuel; Mariam S. Latuga; Charles R. Ashby Jr; Sandra E. Reznik

Endotoxin priming partially reverses gut dysbiosis, up-regulation of prooxidant and proinflammatory uterine genes, and increased risk of preterm birth in high-fat diet mice.

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Qian-Nan Jia; Kai Fang; Yue-Hua Liu

A 27-year-old woman presented with a cystic and solid occupying lesion on the posterior lip of the uterine cervix.

600 Complete molar pregnancy coexisting with a normal fetus in the third trimester

Alexandra Jade Loza; Yu Ming Victor Fang

Ultrasound and gross images of a normal pregnancy coexisting with a complete molar pregnancy in the third trimester are presented.

RESEARCH LETTER**602** Improving medication error identification with an inpatient maternal-fetal medicine pharmacist

Joshua I. Rosenbloom; Bethany A. Sabol; Carla Chung; George A. Macones; Roxane M. Rampersad; Alison G. Cahill; Emily Cooke

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612 Can in utero fetal pacing cause cardiac complications?
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CORRECTIONS

597 September 2018 (vol. 219, no. 3, page 301.e10)
Acknowledgments are reworded in an Original Research article published in September 2018.

597 Supplement to January 2019 (vol. 220, no. 1, page S549)
A misspelled coauthor's name is corrected in an abstract for the program of the annual meeting of the Society for Maternal–Fetal Medicine as published in the supplement to the January 2019 issue of the Journal.

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From the Archive: The Adverse Childhood Experiences Study

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Rebecca Fuhrer and Katherine M. Keyes

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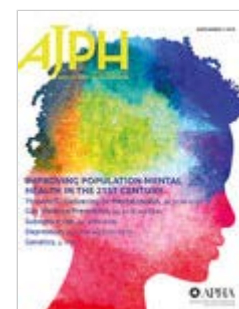
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Population Mental Health in the 21st Century: Time to Act

Substance Use, Drugs, Mental Health, Prevention, Epidemiology, Health Policy, Community Health

Rebecca Fuhrer and Katherine M. Keyes

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Amélie Quesnel-Vallée, Miles Taylor and Kristin Hadfield

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Mental Health, Health Promotion, Health Reform

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Among Cancer Survivors

Chronic Disease, Cancer, Mental Health

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S.B. Heitner, D. Jacoby, S.J. Lester, A. Owens, A. Wang, D. Zhang, J. Lambing, J. Lee, M. Semigran, and A.J. Sehner
Obstructive hypertrophic cardiomyopathy is a debilitating and potentially life-threatening condition for which available therapies are few and frequently of limited benefit. This clinical trial assessed the potential benefits and risks of a novel oral agent for treatment of obstructive hypertrophic cardiomyopathy.

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S. Singh, J.S. Goodwin, J. Zhou, Y.F. Kuo, and A.B. Nattinger
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Patients with pulmonary embolism have increased risk for ischemic stroke, possibly due to paradoxical embolism through patent foramen ovale. This multicenter cohort study compares the frequency of stroke in patients with pulmonary embolism among those with and without patent foramen ovale.

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S.J. Bersoff-Matcha, C. Chamberlain, C. Cao, C. Kortepeter, and W.H. Chong
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From Beth Israel Deaconess Medical Center
R.B. Burns, A.F. Olumi, D.K. Owens, and G.W. Smetana
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S.M. Grundy and N.J. Stone
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S. Han, T.D. Shanafelt, C.A. Sinsky, K.M. Awad, L.N. Dyrbye, L.C. Fiscus, M. Trockel, and J. Goh
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Corticotropin Marketed as H.P. Acthar Gel
A. Duarte-García, E.L. Matteson, and N.D. Shah
Repository corticotropin (rACTH), a long-acting form of corticotropin approved by the U.S. Food and Drug Administration in 1952, was once used to treat rheumatoid arthritis and other inflammatory conditions. With the advent of prednisone and other anti-inflammatory medications, its use

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Patients, particularly those with rheumatoid arthritis (RA), are at increased risk for infection after major surgery. In this analysis, the authors examined risk for infection across different biologic medications and with exposure to glucocorticoids in a large sample of patients with RA who underwent a primary or revision total knee or hip arthroplasty.

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A. Qaseem, D. Kansagara, J.S. Lin, R.A. Mustafa, and T.J. Wilt
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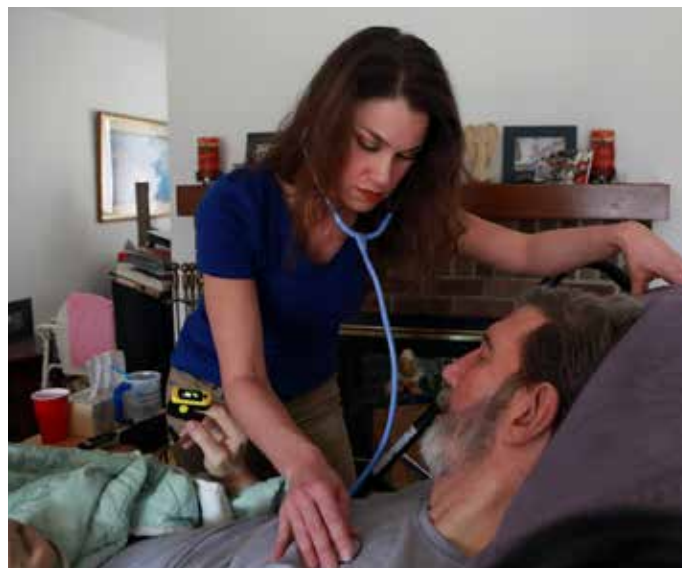
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Home check: Nurse practitioner Marie Grosh visits Leroy Zacharias once a month at his home in a Cleveland suburb, where he lives with his wife, Bridget, and his dog, Snickers. Grosh says Zacharias, who has Parkinson disease, would be living in a nursing home if he couldn't get medical care at home.

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Illustration by Brett Ryder

Narrative Matters A person with primary progressive multiple sclerosis manages a complex scheme of personal assistance services to remain living at home.

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FROM OUR CURRENT ISSUE:

HEALTH POLICY AND ORGANIZATIONAL BEHAVIOR

Change in geographic access to community health centers after Health Center Program expansion
from HSR Volume 54 | Issue 4 | August 2019

Leigh Evans PhD Martin P. Charns DBA Howard J. Cabral PhD M. Patricia Fabian ScD

Objective: To examine geographic access to community health centers (CHC accessibility) before and after Health Center Program expansion in three ... [read more](#) | [subscribe](#)

RECENT PUBLICATION

Virtual Issue

Preliminary Evidence on the Impact of Patient-Centered Medical Home Implementation. [Find out more...](#)

FREE Access to February 2017 Special Issue. [Read more...](#)

Open Access: Decrease in Statewide Antipsychotic Prescribing after Implementation of Child and Adolescent Psychiatry Consultation Services [Read more...](#)

LOOK CLOSER AT HSR

Call for Papers for HSR Theme Issue: Drivers of Health

Submission deadline for [abstracts](#): August 12, 2019
Sponsored by the Robert Wood Johnson Foundation

Remembering Uwe Reinhardt

Professor Uwe Reinhardt, who was a health economist, a professor at Princeton University, and a major figure in the field of health services research, passed away in November 2017. [Read more..](#)

HSR Citation Style Changes

HSR has recently changed to the AMA citation style rather than the previous bibliographic citation style. For more information, please visit the Instructions to

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HSR Staff Announces Changes

Andy Bindman, M.D., joins Health Services Research (HSR) journal as fellow co-editor-in chief with Patrick S. Romano, M.D. Four new senior associate editors also have been named. The journal is embarking on a multi-year effort to improve the reader experience and enhance its utility to health care leaders and policymakers. [Read more...](#)

John M. Eisenberg Article-of-the-Year Award

Association between Temporal Changes in Primary Care Workforce and Patient Outcomes [Read more...](#)

Community Factors Substantially Influence Hospital Readmission Rates Press Release

Press Release: CHICAGO – A hospital's ability to reduce repeat patient visits may have less to do with its performance and more to do with the characteristics of the community where it's located revealed a new study in the February issue of Health Services Research. The findings may call into question the effectiveness of some federal penalties for hospitals with higher-than-expected readmission rates. [Read more...](#)

Early View

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[Ambulance diversions following public hospital emergency department closures](#)

[Changes in screening colonoscopy following Medicare reimbursement and cost-sharing changes](#)

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June 4, 2019, Vol 321, No. 21, Pages 2045-2142

In This Issue of JAMA

Highlights

Abstract | **Full Text**

  JAMA. 2019;321(21):2045-2047. doi:10.1001/jama.2018.15355

 **Audio Summary:** Systemic Absorption of Sunscreen Ingredients, RCTs of Neladenoson for HFpEF and Fall Prevention in Older Adults, Stroke Mortality in Younger Adults, and more

Original Investigation

Effect of Neladenoson Bialanate on Exercise Capacity Among Patients With Heart Failure With Preserved Ejection Fraction: A Randomized Clinical Trial

Sanjiv J. Shah, MD; Adriaan A. Voors, MD, PhD; John J. V. McMurray, MD; et al.

Abstract | **Full Text**

JAMA. 2019;321(21):2101-2112. doi:10.1001/jama.2019.6717

This dose-ranging phase 2b randomized trial compares the effects of neladenoson, a partial adenosine A₁ receptor agonist, vs placebo on exercise capacity in patients with heart failure with preserved ejection fraction (HFpEF).

Association of Stroke Among Adults Aged 18 to 49 Years With Long-term Mortality

Merel Sanne Ekker, MD; Jamie Inge Verhoeven, Bsc; Ilonca Vaartjes, PhD; et al.

Abstract | **Full Text**

JAMA. 2019;321(21):2113-2123. doi:10.1001/jama.2019.6560

This cohort study uses Dutch registry and population data to estimate associations between incident stroke occurring between ages 18 and 49 years and short- and long-term all-cause mortality stratified by age, sex, and stroke subtype.

Advertisement

Preliminary Communication

Effect of Sunscreen Application Under Maximal Use Conditions on Plasma Concentration of Sunscreen Active Ingredients: A Randomized Clinical Trial

Murali K. Matta, PhD; Robbert Zusterzeel, MD, PhD, MPH; Nageswara R. Pilli, PhD; et al.

Abstract | **Full Text**

☐ JAMA. 2019;321(21):2082-2091. doi:10.1001/jama.2019.5586

This randomized clinical trial recruited healthy volunteers to assess whether the active ingredients of commercially available sunscreen products (avobenzone, oxybenzone, octocrylene, and ecamsule) are absorbed into systemic circulation under maximal use conditions.

Editorial

Filling in the Evidence About Sunscreen

Robert M. Califf, MD; Kanade Shinkai, MD, PhD

Effect of a Home-Based Exercise Program on Subsequent Falls Among Community-Dwelling High-Risk Older Adults After a Fall: A Randomized Clinical Trial

Teresa Liu-Ambrose, PT, PhD; Jennifer C. Davis, PhD; John R. Best, PhD; et al.

[Abstract](#) | [Full Text](#)

□ JAMA. 2019;321(21):2092-2100. doi:10.1001/jama.2019.5795

This randomized trial compares the effect of geriatrician-delivered fall prevention care with vs without a physical therapist–delivered home-based strength and balance retraining exercise program on number of subsequent falls in older adults who were referred to a fall prevention clinic after a previous fall.

Editorial

Falls in Older Adults: Prevention, Mortality, and Costs

Marco Pahor, MD

Research Letter

Prevalence and Payments for Traumatic Injury Compared With Common Acute Diseases by Episode of Care in Medicare Beneficiaries, 2008-2014

John R. Montgomery, MD; Anne H. Cain-Nielsen, MS; Peter C. Jenkins, MD, MSc; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2129-2131. doi:10.1001/jama.2019.1146

This study uses Medicare Parts A and B claims data to compare hospitalizations for and spending on traumatic injury vs heart failure, pneumonia, stroke, and acute myocardial infarction in older adults between 2008 and 2014.

Editorial

Falls in Older Adults: Prevention, Mortality, and Costs

Marco Pahor, MD

Mortality From Falls Among US Adults Aged 75 Years or Older, 2000-2016

Klaas A. Hartholt, MD, PhD; Robin Lee, PhD, MPH; Elizabeth R. Burns, MPH; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2131-2133. doi:10.1001/jama.2019.4185

This study uses National Vital Statistics System data from 2000-2016 to characterize trends in mortality from falls in the US population aged 75 years or older.

Editorial

Falls in Older Adults: Prevention, Mortality, and Costs

Marco Pahor, MD

Viewpoint

The Importance of Predefined Rules and Prespecified Statistical Analyses: Do Not Abandon Significance

John P. A. Ioannidis, MD, DSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2067-2068. doi:10.1001/jama.2019.4582

In this Viewpoint, John Ioannidis argues against abandoning the notion and language of statistical significance, which has been proposed as a means to diminish oversimplistic interpretations of clinical research. A significance filter in some form is essential for distinguishing signal from noise, he writes, and emphasizes that predefined study design choices, prespecified statistical analyses, transparent and documented deviations from either, and improvement in researchers' statistical numeracy can minimize overly subjective interpretations of whatever significance measure is used.

Health Policy

Does Employment-Based Insurance Make the US Medical Care System Unfair and Inefficient?

Victor R. Fuchs, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2069-2070. doi:10.1001/jama.2019.4812

In this Viewpoint, Victor Fuchs reviews the evolution of the US employer-based health insurance toward a system favoring higher-income individuals, and proposes reforms in health care financing and in accessibility of lower-cost care as a way to make the system more fair and efficient.

Medication-Based Treatment to Address Opioid Use Disorder

Alan I. Leshner, PhD; Victor J. Dzau, MD

Abstract | **Full Text**

 JAMA. 2019;321(21):2071-2072. doi:10.1001/jama.2019.5523

In this Viewpoint the president of NAM and the former CEO of AAAS emphasize the importance of approaching opioid use disorder (OUD) as a chronic brain disease and of using evidence-based FDA-approved interventions to manage it, urging clinicians to overcome any personal biases that might interfere with provision of evidence-based care to help patients with OUD recover from their addiction.

 **Audio Interview:** Medication-Based Treatment for Opioid Use Disorder

Global Health Spending and Development Assistance for Health

Joseph L. Dieleman, PhD; Angela E. Micah, PhD; Christopher J. L. Murray, MD, DPhil

Abstract | **Full Text**

JAMA. 2019;321(21):2073-2074. doi:10.1001/jama.2019.3687

This Viewpoint reviews the global health role of development assistance for health (DAH) and financial or in-kind assistance provided by western countries via international development agencies and foundations to low- and middle-income countries (LMICs), and proposes best practices to ensure that DAH continues to be a reliable source of support for LMIC health systems and assists them to develop pandemic preparedness.

A Piece of My Mind

Going Home

Amrapali Maitra, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2075-2076. doi:10.1001/jama.2019.6924

In this narrative medicine essay a physician beginning her internship recalls what she learned from her grandfather in his life as a surgical oncologist and in his final illness, recognizing that the essence of doctoring lies in being present with the patient and offering them companionship, encouragement, and a sense of being known.

Editorial

Filling in the Evidence About Sunscreen

Robert M. Califf, MD; Kanade Shinkai, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2077-2079. doi:10.1001/jama.2019.5528

Falls in Older Adults: Prevention, Mortality, and Costs

Marco Pahor, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2080-2081. doi:10.1001/jama.2019.6569

JAMA Guide to Statistics and Methods

Using Instrumental Variables to Address Bias From Unobserved Confounders

Matthew L. Maciejewski, PhD; M. Alan Brookhart, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2124-2125. doi:10.1001/jama.2019.5646

This JAMA Guide to Statistics and Methods reviews the use of instrumental variable analysis in observational and randomized studies and how, under specific assumptions, they can provide unbiased estimates of treatment effects even if unobserved confounding exists.

JAMA Insights

Women's Health

Abnormal Uterine Bleeding in Reproductive-Age Women

Andrew M. Kaunitz, MD, NCMP

Abstract | **Full Text**

 JAMA. 2019;321(21):2126-2127. doi:10.1001/jama.2019.5248

This JAMA Clinical Insights article summarizes the diagnosis and treatment of abnormal uterine bleeding in reproductive-age women, distinguishing between heavy menstrual bleeding, ovulatory dysfunction, and other patterns and causes.

 **Clinical Review Audio:** Abnormal Uterine Bleeding

Editorial

Women's Health: A New JAMA Clinical Insights Series

Carolyn J. Crandall, MD, MS; Edward Livingston, MD

Medical News & Perspectives

Limits on Opioid Prescribing Leave Patients With Chronic Pain Vulnerable

Rita Rubin, MA

Abstract | **Full Text**

JAMA. 2019;321(21):2059-2062. doi:10.1001/jama.2019.5188

This Medical News story discusses the impact of opioid prescribing restrictions on patients with chronic

pain.

Editorial

Suggested Paths to Fixing the Opioid Crisis: Directions and Misdirections

Jeffrey H. Samet, MD, MA, MPH; Stefan G. Kertesz, MD, MSc

Quick Uptakes

Sleeping In Doesn't Mitigate Metabolic Changes Linked to Sleep Deficit

Rita Rubin, MA

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2062-2063. doi:10.1001/jama.2019.4701

This Medical News story discusses a recent study that suggests sleeping late on the weekend cannot mitigate the metabolic dysregulation associated with recurrent insufficient sleep during the week.

News From the Food and Drug Administration

Dengue Vaccine Gets the Nod

Rebecca Voelker, MSJ

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2066. doi:10.1001/jama.2019.6886

New Warnings for Insomnia Drugs

Rebecca Voelker, MSJ

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2066. doi:10.1001/jama.2019.6889

Trigeminal Nerve Stimulator for ADHD

Rebecca Voelker, MSJ

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2066. doi:10.1001/jama.2019.6992

The JAMA Forum

How an Expanded Vision of Managed Care Organizations Could Tackle Inequities

Stuart M. Butler, PhD

[Abstract](#) | [Full Text](#)

 JAMA. 2019;321(21):2063-2064. doi:10.1001/jama.2019.6494

Bench to Bedside

Noninvasive Ultrasound May Help Treat Inflammation and Other Conditions

Tracy Hampton, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2064-2065. doi:10.1001/jama.2019.6653

Poetry and Medicine

Trypan Blue

Malini M. Gandhi, BS

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2137. doi:10.1001/jama.2019.2489

JAMA Revisited

Deficient Instruction in Biology in High Schools

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2138. doi:10.1001/jama.2018.15363

JAMA Patient Page

Parenteral Nutrition

Ioana Baiu, MD, MPH; David A. Spain, MD

[Abstract](#) | [Full Text](#)

☐ *JAMA*. 2019;321(21):2142. doi:10.1001/jama.2019.4410

This JAMA Patient Page describes the use of parenteral nutrition for short-term and long-term health conditions.

Comment & Response

Business Strategies to Promote Health

Eli M. Cahan, BBA

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2133-2134. doi:10.1001/jama.2019.2799

Business Strategies to Promote Health—Reply

Howard K. Koh, MD, MPH; Sara J. Singer, PhD, MBA; Amy C. Edmondson, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2134. doi:10.1001/jama.2019.2803

Alternatives to Intention-to-Treat Analyses

Pascal Geldsetzer, ScD; Till Bärnighausen, MD; Nikkil Sudharsanan, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2134-2135. doi:10.1001/jama.2019.3092

Alternatives to Intention-to-Treat Analyses—Reply

David L. DeMets, PhD; Thomas D. Cook, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2135. doi:10.1001/jama.2019.3096

Estimating Renal Function in Pregnancy

Ning Dong, MD; Hua-Guo Xu, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2136. doi:10.1001/jama.2019.3614

Estimating Renal Function in Pregnancy—Reply

Ziv Harel, MD, MSc; Joel G. Ray, MD, MSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(21):2136. doi:10.1001/jama.2019.3618

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☐ *JAMA*. 2019;321(21):2049-2050. doi:10.1001/jama.2018.15356



June 11, 2019, Vol 321, No. 22, Pages 2143-2252

In This Issue of JAMA

Highlights

Abstract | **Full Text**

  JAMA. 2019;321(22):2143-2145. doi:10.1001/jama.2018.15366

 **Audio Summary:** Effect of Pressure Support vs T-Piece Weaning Strategies on Extubation, RBC Transfusion Mortality By Donor Sex and Pregnancy, USPSTF HIV PrEP Guidelines, and more

Original Investigation

Caring for the Critically Ill Patient

Effect of Pressure Support vs T-Piece Ventilation Strategies During Spontaneous Breathing Trials on Successful Extubation Among Patients Receiving Mechanical Ventilation: A Randomized Clinical Trial

Carles Subirà, MD; Gonzalo Hernández, MD, PhD; Antònia Vázquez, MD, PhD; et al.

Abstract | **Full Text**

JAMA. 2019;321(22):2175-2182. doi:10.1001/jama.2019.7234

This randomized trial compares the effect of 30-minute pressure support vs 2-hour T-piece ventilation strategies in spontaneous breathing trials on rate of successful extubation among patients who had been receiving mechanical ventilation for at least 24 hours.

Editorial

Revisiting, Reframing, and Casting a New Light on Liberation From Mechanical Ventilation

Timothy D. Girard, MD, MSCI; Karen E. A. Burns, MD, FRCPC, MSc

Association of Blood Donor Sex and Prior Pregnancy With Mortality Among Red Blood Cell Transfusion Recipients

Gustaf Edgren, MD, PhD; Edward L. Murphy, MD, MPH; Don J. Brambilla, PhD; et al.

Abstract | **Full Text**

JAMA. 2019;321(22):2183-2192. doi:10.1001/jama.2019.7084

This study examines the association of blood donor sex or previous pregnancy with mortality of transfusion recipients using data from 3 large databases in the United States and Scandinavia.

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Preliminary Communication

Association Between Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis and Mortality or Stroke

Raj R. Makkar, MD; Sung-Han Yoon, MD; Martin B. Leon, MD; et al.

Abstract | **Full Text**

☐ JAMA. 2019;321(22):2193-2202. doi:10.1001/jama.2019.7108

This registry-based cohort study compared mortality and stroke rates among patients with bicuspid and tricuspid aortic stenosis who had undergone TAVR to determine whether advances in technology and in valve devices improved outcomes for patients with bicuspid aortic anatomy.

Editorial

Bicuspid Aortic Valve Stenosis: Is There a Role for TAVR?

Colin M. Barker, MD; Michael J. Reardon, MD

Research Letter

Mortality Due to Aortic Stenosis in the United States, 2008-2017

Graham H. Bevan, MD; David A. Zidar, MD, PhD; Richard A. Josephson, MS, MD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2236-2238. doi:10.1001/jama.2019.6292

This study uses US National Center for Health Statistics data to describe trends in mortality due to aortic stenosis between 2008 and 2017, when use of transcatheter aortic valve replacement (TAVR) in older adults was becoming more common.

Editorial

Stroke After Transcatheter Aortic Valve Replacement: An Important but Underreported Outcome in Clinical Practice

Steven R. Messé, MD; Gorav Ailawadi, MD

Early Adoption of New Supplemental Benefits by Medicare Advantage Plans

David J. Meyers, MPH; Shayla N. M. Durfey, BS; Emily A. Gadbois, PhD, MS, MA; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2238-2240. doi:10.1001/jama.2019.4709

Following CMS' 2018 expansion of supplemental benefits available to HMO and PPO Medicare Advantage enrollees, this study assesses enrollee adoption by type of benefit (eg, caregiver support, in-home personal care, palliative nursing, and social work) and specific plan characteristics in the first year.

US Preventive Services Task Force

Recommendation Statement

Preexposure Prophylaxis for the Prevention of HIV

Infection: US Preventive Services Task Force Recommendation Statement

US Preventive Services Task Force

Abstract | **Full Text**

☐ ☐ ☐ JAMA. 2019;321(22):2203-2213. doi:10.1001/jama.2019.6390

This 2019 Recommendation Statement from the US Preventive Services Task Force recommends offering preexposure prophylaxis (PrEP) with effective antiretroviral therapy to persons at high risk of HIV acquisition (A recommendation).

☐ **Audio Interview:** Screening for HIV infection and Use of Preexposure Prophylaxis for Prevention of HIV Infection: US Preventive Services Task Force Recommendation Statements

Editorial

HIV Screening and Preexposure Prophylaxis Guidelines: Following the Evidence

Hyman Scott, MD; Paul A. Volberding, MD

☐ **Audio Interview:** HIV Screening and Preexposure Prophylaxis Guidelines

New USPSTF Guidelines for HIV Screening and Preexposure Prophylaxis (PrEP): Straight A's

Rochelle P. Walensky, MD, MPH; A. David Paltiel, PhD, MBA

Evidence Report

Preexposure Prophylaxis for the Prevention of HIV Infection: Evidence Report and Systematic Review for the US Preventive Services Task Force

Roger Chou, MD; Christopher Evans, MD, MPH; Adam Hoverman, DO; et al.

Abstract | **Full Text**

☐ ☐ JAMA. 2019;321(22):2214-2230. doi:10.1001/jama.2019.2591

This systematic review to support the 2019 US Preventive Services Task Force guideline on preexposure prophylaxis (PrEP) for the prevention of HIV infection summarizes published evidence on the benefits and harms of preexposure antiretroviral therapy in adults without preexisting HIV infection.



Audio Interview: Screening for HIV infection and Use of Preexposure Prophylaxis for Prevention of HIV Infection: US Preventive Services Task Force Recommendation Statements

Editorial

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Audio Interview: HIV Screening and Preexposure Prophylaxis Guidelines

New USPSTF Guidelines for HIV Screening and Preexposure Prophylaxis (PrEP): Straight A's

Rochelle P. Walensky, MD, MPH; A. David Paltiel, PhD, MBA

Viewpoint

Trust in Health Care

Trust Between Teachers and Learners

David P. Sklar, MD; Graham T. McMahon, MD, MMSc

Abstract | **Full Text**

JAMA. 2019;321(22):2157-2158. doi:10.1001/jama.2018.22130

This Viewpoint discusses the importance of trust between physician teachers and their students and trainees, proposing that the trust learned in early educational experiences is a foundation and model for physicians' career-long trusting relationships with institutions, colleagues, patients, and the public.

Editorial

Trust in Health Care

Howard Bauchner, MD

Building Trust in Health Care—Why, Where, and How

Dhruv Khullar, MD, MPP

Trust in Health Care

Why Bolstering Trust in Journalism Could Help Strengthen Trust in Medicine

Vineet M. Arora, MD, MAPP; David Rousseau, MPH; Gary Schwitzer

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2159-2160. doi:10.1001/jama.2019.0636

This Viewpoint discusses how proliferation of health misinformation to the public undermines trust in science and medicine, and proposes ways the medical community and media might work together to make medical professionals better producers and consumers of accurate health information and to make the news media better at story curation and communication of uncertainty.

Editorial

Trust in Health Care

Howard Bauchner, MD

Building Trust in Health Care—Why, Where, and How

Dhruv Khullar, MD, MPP

Dual-Physician Households: Strategies for the 21st Century

Lauren Ferrante, MD, MHS; Lona Mody, MD, MSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2161-2162. doi:10.1001/jama.2019.4413

This Viewpoint discusses common challenges faced by dual-physician couples and proposes institutional and individual strategies to improve work-life balance.

The Need for Federal Regulation of Marijuana Marketing

John W. Ayers, PhD, MA; Theodore Caputi, MPH; Eric C. Leas, PhD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2163-2164. doi:10.1001/jama.2019.4432

This Viewpoint uses the commercial rise of MedMen, a US company that operates licensed cannabis facilities and uses youth-oriented media campaigns to advance unproven health claims for marijuana, to highlight the health risks for young people and to argue for evidence-based regulation of marijuana marketing and sales.

A Piece of My Mind

Reflections on Leadership: Seizing and Embracing Opportunities—Holding up Half the Sky

Barbara J. Stoll, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2165-2166. doi:10.1001/jama.2019.7127

In this narrative medicine essay, a medical school dean talks about the reticence most women feel when considering leadership roles and urges women to work out of their comfort zones, seize diverse opportunities, and step into leadership roles.

Editorial

Revisiting, Reframing, and Casting a New Light on Liberation From Mechanical Ventilation

Timothy D. Girard, MD, MSCI; Karen E. A. Burns, MD, FRCPC, MSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2167-2169. doi:10.1001/jama.2019.7364

Bicuspid Aortic Valve Stenosis: Is There a Role for TAVR?

Colin M. Barker, MD; Michael J. Reardon, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2170-2171. doi:10.1001/jama.2019.7078

HIV Screening and Preexposure Prophylaxis Guidelines: Following the Evidence

Hyman Scott, MD; Paul A. Volberding, MD

[Abstract](#) | [Full Text](#)

☐ ☐ *JAMA*. 2019;321(22):2172-2174. doi:10.1001/jama.2019.2590

☐ **Audio Interview:** HIV Screening and Preexposure Prophylaxis Guidelines

Editorial

New USPSTF Guidelines for HIV Screening and Preexposure Prophylaxis (PrEP): Straight A's

Rochelle P. Walensky, MD, MPH; A. David Paltiel, PhD, MBA

JAMA Insights

Clinical Update

Hip Fractures in Older Adults in 2019

Sarah D. Berry, MD, MPH; Douglas P. Kiel, MD, MPH; Cathleen Colón-Emeric, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2231-2232. doi:10.1001/jama.2019.5453

This JAMA Insights Clinical Update reviews approaches to fracture prevention in older adults, including estimating fracture risk and life expectancy, selecting and managing appropriate medications, and understanding nonpharmacologic strategies.

From The Medical Letter on Drugs and Therapeutics

Drugs for Postmenopausal Osteoporosis

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2233-2234. doi:10.1001/jama.2019.6077

This Medical Letter review provides a drug table comparing the 6 classes of drugs (bisphosphonates, anti-RANK ligand antibody, parathyroid hormone receptor agonists, selective estrogen receptor modulator, conjugated estrogens/selective estrogen receptor modulator, and calcitonin) used for the treatment of postmenopausal osteoporosis.

Medical News & Perspectives

TMAO and Heart Disease: The New Red Meat Risk?

Jennifer Abbasi

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2149-2151. doi:10.1001/jama.2019.3910

This Medical News article discusses trimethylamine *N*-oxide, or TMAO, a dietary metabolite that's increasingly associated with cardiovascular disease.

Quick Uptakes

For Fat Burning, Interval Training Beats Continuous Exercise

Jennifer Abbasi

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2151-2152. doi:10.1001/jama.2019.4607

This Medical News article discusses a recent meta-analysis comparing high-intensity interval training, sprint interval training, and moderate-intensity continuous training for fat loss.

The JAMA Forum

The “Conscience” Rule: How Will It Affect Patients’ Access

to Health Services?

Lawrence O. Gostin, JD

Abstract | **Full Text**

 JAMA. 2019;321(22):2152-2153. doi:10.1001/jama.2019.7656

News From the Centers for Disease Control and Prevention

Delaware Kissing Bug

Bridget Kuehn, MSJ

Abstract | **Full Text**

JAMA. 2019;321(22):2156. doi:10.1001/jama.2019.6917

Acute Flaccid Myelitis Cluster

Bridget Kuehn, MSJ

Abstract | **Full Text**

JAMA. 2019;321(22):2156. doi:10.1001/jama.2019.7349

Biotech Innovations

Synthesizing Speech From Brain Activity

Jennifer Abbasi

Abstract | **Full Text**

JAMA. 2019;321(22):2155. doi:10.1001/jama.2019.7064

Using Speech Markers to Diagnose PTSD

Jennifer Abbasi

Abstract | **Full Text**

JAMA. 2019;321(22):2155. doi:10.1001/jama.2019.7550

Safer CAR T-Cell Therapy

Jennifer Abbasi

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2155. doi:10.1001/jama.2019.7551

JAMA Infographic

Barriers to Care Experienced by Women in the United States

Usha Ranji, MS; Alina Salganicoff, PhD; David Rousseau, MPH; et al.

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(22):2154. doi:10.1001/jama.2019.5271

Poetry and Medicine

cyborg

Precious Chika Musa

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2247. doi:10.1001/jama.2019.2524

JAMA Revisited

Editorials

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2248. doi:10.1001/jama.2018.15374

JAMA Patient Page

Can HIV Infection Be Prevented With Medication?

Jill Jin, MD, MPH

Abstract | **Full Text**

☐ JAMA. 2019;321(22):2252. doi:10.1001/jama.2019.7149

This JAMA Patient Page describes the US Preventive Services Task Force's recent recommendations on prevention of HIV infection with preexposure prophylaxis (PrEP).

Editorial

HIV Screening and Preexposure Prophylaxis Guidelines: Following the Evidence

Hyman Scott, MD; Paul A. Volberding, MD

☐ **Audio Interview:** HIV Screening and Preexposure Prophylaxis Guidelines

Comment & Response

Fecal Microbiota Transplantation for Ulcerative Colitis

Nicolas Benez, MD; Nathalie Kapel, PharmD, PhD; Harry Sokol, MD, PhD

Abstract | **Full Text**

JAMA. 2019;321(22):2240. doi:10.1001/jama.2019.3946

Fecal Microbiota Transplantation for Ulcerative Colitis— Reply

Samuel P. Costello, MBBS; Michael A. Conlon, PhD; Jane M. Andrews, PhD

Abstract | **Full Text**

JAMA. 2019;321(22):2240-2241. doi:10.1001/jama.2019.3950

Solutions to Reduce Unnecessary Imaging

Frederick A. Simeone, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2241-2242. doi:10.1001/jama.2019.3998

Solutions to Reduce Unnecessary Imaging

Pamela T. Johnson, MD; Ali Raja, MD, MBA, MPH; Ramin Khorasani, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2242. doi:10.1001/jama.2019.4009

Solutions to Reduce Unnecessary Imaging

David C. Levin, MD; Vijay M. Rao, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2242-2243. doi:10.1001/jama.2019.4002

Solutions to Reduce Unnecessary Imaging—Reply

Ohad Oren, MD; Electron Kebebew, MD; John P. A. Ioannidis, MD, DSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2243. doi:10.1001/jama.2019.4021

Meta-analysis of Aspirin for Primary Prevention of Cardiovascular Events

Nicholas L. Syn; Ian J. Y. Wee

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2243-2244. doi:10.1001/jama.2019.4005

Meta-analysis of Aspirin for Primary Prevention of Cardiovascular Events

Rahman Shah, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2244. doi:10.1001/jama.2019.4013

Meta-analysis of Aspirin for Primary Prevention of Cardiovascular Events—Reply

Sean L. Zheng, BM, BCh, MA, MRCP; Alistair J. Roddick, BSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(22):2244-2245. doi:10.1001/jama.2019.4017

Correction

Errors in Results

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(22):2245. doi:10.1001/jama.2019.3941

Incorrect Probability Data in a Column in Table 1

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(22):2245. doi:10.1001/jama.2019.7417

JAMA Masthead

JAMA

[Abstract](#) | [Full Text](#)



June 18, 2019, Vol 321, No. 23, Pages 2255-2376

In This Issue of JAMA

Highlights

Abstract | **Full Text**

☐ ☐ JAMA. 2019;321(23):2255-2257. doi:10.1001/jama.2018.15377

☐ **Audio Summary:** High- vs Low-PEEP For Obese Patients in Surgery, Trends in Post-TAVR Stroke, Amyloid-Tau-Neurodegeneration (AT[N]) Measures and Cognitive Decline, and more

Original Investigation

Caring for the Critically Ill Patient

Effect of Intraoperative High Positive End-Expiratory Pressure (PEEP) With Recruitment Maneuvers vs Low PEEP on Postoperative Pulmonary Complications in Obese Patients: A Randomized Clinical Trial

Writing Committee for the PROBESE Collaborative Group of the PROtective VEntilation Network (PROVEnet) for the Clinical Trial Network of the European Society of Anaesthesiology

Abstract | **Full Text**

☐ JAMA. 2019;321(23):2292-2305. doi:10.1001/jama.2019.7505

This randomized trial compares the effects of higher levels of positive end-expiratory pressure (PEEP) with alveolar recruitment maneuvers vs a lower level of PEEP on postoperative respiratory failure, acute respiratory distress syndrome, pulmonary infection, pleural effusion, atelectasis, pneumothorax, and other pulmonary complications in obese patients undergoing noncardiac, nonneurological surgery under general anesthesia.

| **Editorial**

Setting Positive End-Expiratory Pressure in Mechanically Ventilated Patients Undergoing Surgery

Thomas Godet, MD, PhD; Emmanuel Futier, MD, PhD

Association Between Transcatheter Aortic Valve Replacement and Early Postprocedural Stroke

Chetan P. Huded, MD, MSc; E. Murat Tuzcu, MD; Amar Krishnaswamy, MD; et al.

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2306-2315. doi:10.1001/jama.2019.7525

This cohort study uses registry data to describe trends and incidence of 30-day stroke among patients who had undergone transcatheter aortic valve replacement (TAVR) in the first 5 years the procedure's use in US clinical practice.

Editorial

Stroke After Transcatheter Aortic Valve Replacement: An Important but Underreported Outcome in Clinical Practice

Steven R. Messé, MD; Gorav Ailawadi, MD

Associations of Amyloid, Tau, and Neurodegeneration Biomarker Profiles With Rates of Memory Decline Among Individuals Without Dementia

Clifford R. Jack Jr, MD; Heather J. Wiste, BA; Terry M. Therneau, PhD; et al.

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2316-2325. doi:10.1001/jama.2019.7437

This cohort study compares memory changes in patients without dementia with vs without positive amyloid or tau positron emission tomography scans or reduced cortical thickness on magnetic resonance imaging, and investigates whether adding information about those imaging variables to a risk prediction model improves predictions of memory decline based on demographic and clinical information and *APOE*

genotype alone.

Editorial

Putting the New Alzheimer Disease Amyloid, Tau, Neurodegeneration (AT[N]) Diagnostic System to the Test

David Wolk, MD; Stephen Salloway, MD, MS; Brad Dickerson, MD

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Research Letter

Suicide Rates Among Adolescents and Young Adults in the United States, 2000-2017

Oren Miron, MA; Kun-Hsing Yu, MD, PhD; Rachel Wilf-Miron, MD, MPH; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2362-2364. doi:10.1001/jama.2019.5054

This study uses Centers for Disease Control and Prevention (CDC) data to characterize trends in suicide rates among adolescents and young adults aged 15 to 24 years in the United States and to determine if the increase in suicide rates observed in years 2000-2016 is continuing.

Changes in Obesity Among US Children Aged 2 Through 4 Years Enrolled in WIC During 2010-2016

Liping Pan, MD, MPH; David S. Freedman, PhD; Sohyun Park, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2364-2366. doi:10.1001/jama.2019.5051

This study examines trends in overweight and obesity in low-income children enrolled in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) between 2010 and 2016.

US Preventive Services Task Force

Recommendation Statement

Screening for HIV Infection: US Preventive Services Task Force Recommendation Statement

US Preventive Services Task Force

[Abstract](#) | [Full Text](#)

   JAMA. 2019;321(23):2326-2336. doi:10.1001/jama.2019.6587

This 2019 Recommendation Statement from the US Preventive Services Task Force recommends screening for HIV infection in adolescents and adults aged 15 to 65 years and in younger adolescents and older adults at increased risk of infection (A recommendation) and in all pregnant persons, including those with unknown HIV status at labor or delivery (A recommendation).

 **Audio Interview:** Screening for HIV infection and Use of Preexposure Prophylaxis for Prevention of HIV Infection: US Preventive Services Task Force Recommendation Statements

Editorial

HIV Screening and Preexposure Prophylaxis Guidelines: Following the Evidence

Hyman Scott, MD; Paul A. Volberding, MD

 **Audio Interview:** HIV Screening and Preexposure Prophylaxis Guidelines

New USPSTF Guidelines for HIV Screening and Preexposure Prophylaxis (PrEP): Straight A's

Rochelle P. Walensky, MD, MPH; A. David Paltiel, PhD, MBA

Evidence Report

Screening for HIV Infection in Asymptomatic, Nonpregnant Adolescents and Adults: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force

Roger Chou, MD; Tracy Dana, MLS; Sara Grusing, BA; et al.

[Abstract](#) | [Full Text](#)

  JAMA. 2019;321(23):2337-2348. doi:10.1001/jama.2019.2592

This systematic review to support the 2019 updated US Preventive Services Task Force guideline on screening for HIV infection in adolescents and adults summarizes published evidence on the clinical benefits and harms of screening and intervention for HIV infection in asymptomatic, nonpregnant adolescents and adults.

 **Audio Interview:** Screening for HIV infection and Use of Preexposure Prophylaxis for Prevention of HIV Infection: US Preventive Services Task Force Recommendation Statements

Editorial

HIV Screening and Preexposure Prophylaxis Guidelines: Following the Evidence

Hyman Scott, MD; Paul A. Volberding, MD

 **Audio Interview:** HIV Screening and Preexposure Prophylaxis Guidelines

New USPSTF Guidelines for HIV Screening and Preexposure Prophylaxis (PrEP): Straight A's

Rochelle P. Walensky, MD, MPH; A. David Paltiel, PhD, MBA

Evidence Report

Screening for HIV Infection in Pregnant Women: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force

Shelley S. Selph, MD, MPH; Christina Bougatsos, MPH; Tracy Dana, MLS; et al.

Abstract | **Full Text**

  JAMA. 2019;321(23):2349-2360. doi:10.1001/jama.2019.2593

This systematic review to support the 2019 updated US Preventive Services Task Force guideline on screening for HIV infection in pregnant women summarizes published evidence on the clinical benefits and harms of screening and intervention for HIV infection in pregnant women.

 **Audio Interview:** Screening for HIV infection and Use of Preexposure Prophylaxis for Prevention of HIV Infection: US Preventive Services Task Force Recommendation Statements

Editorial

HIV Screening and Preexposure Prophylaxis Guidelines: Following the Evidence

Hyman Scott, MD; Paul A. Volberding, MD



Audio Interview: HIV Screening and Preexposure Prophylaxis Guidelines

New USPSTF Guidelines for HIV Screening and Preexposure Prophylaxis (PrEP): Straight A's

Rochelle P. Walensky, MD, MPH; A. David Paltiel, PhD, MBA

Viewpoint

New Federal Requirements to Inform Patients About Breast Density: Will They Help Patients?

Nancy L. Keating, MD, MPH; Lydia E. Pace, MD, MPH

Abstract | **Full Text**

JAMA. 2019;321(23):2275-2276. doi:10.1001/jama.2019.5919

This Viewpoint explains the challenges of effectively communicating information about breast density under the mandates of the Mammography Quality Standards Act.

Audio Interview: Federal Requirements to Inform Patients About Breast Density

The Challenges of Defining and Studying “Digital Addiction” in Children

Dimitri A. Christakis, MD, MPH

Abstract | **Full Text**

JAMA. 2019;321(23):2277-2278. doi:10.1001/jama.2019.4690

In this Viewpoint, *JAMA Pediatrics* Editor Dimitri Christakis discusses the conceptual and methodological challenges of studying digital media use by children and adolescents, and calls on the leadership of device and social media companies to collaborate with child health researchers, sharing data as the companies already do with advertisers, to help mediate digital media use in the best interest of children.

Vision for the Future of Continuing Board Certification

Christopher C. Colenda, MD, MPH; William J. Scanlon, PhD; Richard E. Hawkins, MD

Abstract | **Full Text**

JAMA. 2019;321(23):2279-2280. doi:10.1001/jama.2019.4815

This Viewpoint discusses the recommendations of the Vision Initiative Commission to improve the structure of continuing certification, including setting standards that integrate life-long learning with formative and timely assessments of knowledge and skills and learning activities that advance practice and improve care.

Artificial Intelligence in Health Care: Will the Value Match the Hype?

Ezekiel J. Emanuel, MD, PhD; Robert M. Wachter, MD

Abstract | **Full Text**

JAMA. 2019;321(23):2281-2282. doi:10.1001/jama.2019.4914

In this Viewpoint, Ezekiel Emanuel and Robert Wachter discuss reasons for the hype surrounding the use of artificial intelligence (AI) in health care and emphasize the need for changes in structures and culture that can change behaviors of clinicians if AI-derived evidence is to be effectively translated into practice.

A Piece of My Mind

Finding the Words

Jay A. Pandit, MD

Abstract | **Full Text**

☐ *JAMA*. 2019;321(23):2283-2284. doi:10.1001/jama.2019.7297

In this narrative medicine essay, a young cardiologist recounts his experience with an unexpected seizure leading to a diagnosis of astrocytoma and neurosurgery and his journey from postoperative word loss to

finding the words once again to tell his family he loves them.

Editorial

Setting Positive End-Expiratory Pressure in Mechanically Ventilated Patients Undergoing Surgery

Thomas Godet, MD, PhD; Emmanuel Futier, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2285-2287. doi:10.1001/jama.2019.7540

Stroke After Transcatheter Aortic Valve Replacement: An Important but Underreported Outcome in Clinical Practice

Steven R. Messé, MD; Gorav Ailawadi, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2287-2289. doi:10.1001/jama.2019.8613

Putting the New Alzheimer Disease Amyloid, Tau, Neurodegeneration (AT[N]) Diagnostic System to the Test

David Wolk, MD; Stephen Salloway, MD, MS; Brad Dickerson, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2289-2291. doi:10.1001/jama.2019.7534

Medical News & Perspectives

Despite Policies to Improve Faculty Diversity, Disparities Persist at Public Health Schools

Rita Rubin, MA

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2268-2270. doi:10.1001/jama.2019.3891

This Medical News story discusses a recent study that found a lack of gender and ethnic diversity in leading public health schools.

Quick Uptakes

For “Broken Heart” Syndrome, Brain May Hold the Key

Feyza Sancar, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2270-2271. doi:10.1001/jama.2019.5198

This Medical News feature discusses recent findings suggesting altered functional connectivity in brain regions involved in emotional and autonomic regulation may play a role in the pathophysiology of “broken heart” syndrome.

News From the Food and Drug Administration

First Treatment for Children With Rare Myasthenic Syndrome

Feyza Sancar, PhD

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2274. doi:10.1001/jama.2019.7979

Drugs for Heart Disease With Rare Cause

Feyza Sancar, PhD

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2274. doi:10.1001/jama.2019.7668

Safety Alert for Certain Pacemakers

Feyza Sancar, PhD

Abstract | **Full Text**

☐ JAMA. 2019;321(23):2274. doi:10.1001/jama.2019.7980

The JAMA Forum

The Rural Hospital Problem

Austin B. Frakt, PhD

Abstract | **Full Text**

☐ JAMA. 2019;321(23):2271-2272. doi:10.1001/jama.2019.7377

Global Health

Subpopulations Are Vulnerable to Fetal Alcohol Spectrum Disorder

M.J. Friedrich

Abstract | **Full Text**

☐ JAMA. 2019;321(23):2273. doi:10.1001/jama.2019.7101

UN: All-out Effort Needed to Combat Antimicrobial Resistance

M.J. Friedrich

Abstract | **Full Text**

☐ JAMA. 2019;321(23):2273. doi:10.1001/jama.2019.7977

Vaccine Reduces Pneumonia in Kenya

M.J. Friedrich

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(23\):2273. doi:10.1001/jama.2019.7978](#)

Poetry and Medicine

On a Surgeon Poet

Eric James Forsbergh, DDS

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(23\):2371. doi:10.1001/jama.2019.2527](#)

JAMA Revisited

THE VICTORY MEETING

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(23\):2372. doi:10.1001/jama.2018.15385](#)

JAMA Patient Page

Who Should Be Screened for HIV Infection?

Jill Jin, MD, MPH

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(23\):2376. doi:10.1001/jama.2019.6919](#)

This JAMA Patient Page describes the US Preventive Services Task Force's recent recommendations on screening for HIV infection in adults and adolescents.

Comment & Response

Evaluation of Patients With a History of Penicillin Allergy

Yoram Faitelson, MD; Avraham Beigelman, MD, MSCI

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2366-2367. doi:10.1001/jama.2019.4534

Evaluation of Patients With a History of Penicillin Allergy—Reply

Erica S. Shenoy, MD, PhD; Kimberly G. Blumenthal, MD, MSc

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2367. doi:10.1001/jama.2019.4542

Atrial Fibrillation Detection With Wearable Devices

Cameron T. Lambert, MD; Joseph M. Bumgarner, MD; Khaldoun G. Tarakji, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2367-2368. doi:10.1001/jama.2019.4538

Atrial Fibrillation Detection With Wearable Devices—Reply

James E. Ip, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2368-2369. doi:10.1001/jama.2019.4546

Challenges of Personal Health Records

William D. Freeman, MD; Meredith Karney, MHA, MS, RD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2369. doi:10.1001/jama.2019.4804

Challenges of Personal Health Records—Reply

Christian Dameff, MD; Brian Clay, MD; Christopher A. Longhurst, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(23):2369. doi:10.1001/jama.2019.4808

Correction

Error in the Results

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2370. doi:10.1001/jama.2019.7682

Missing Information on Sample Size

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2370. doi:10.1001/jama.2019.6706

Incorrect Information

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2370. doi:10.1001/jama.2019.8299

JAMA Masthead

JAMA

[Abstract](#) | [Full Text](#)

☐ JAMA. 2019;321(23):2259-2260. doi:10.1001/jama.2018.15378



June 25, 2019, Vol 321, No. 24, Pages 2383-2478

In This Issue of JAMA

Highlights

Abstract | **Full Text**

  JAMA. 2019;321(24):2383-2385. doi:10.1001/jama.2018.15388

 **Audio Summary:** RCTs of DAPT After PCI, Accuracy of FEV1:FVC for Predicting COPD Outcomes, Did This Patient's Syncope Have a Cardiac Cause?, and more

Original Investigation

Effect of 1-Month Dual Antiplatelet Therapy Followed by Clopidogrel vs 12-Month Dual Antiplatelet Therapy on Cardiovascular and Bleeding Events in Patients Receiving PCI: The STOPDAPT-2 Randomized Clinical Trial

Hirotooshi Watanabe, MD; Takenori Domei, MD; Takeshi Morimoto, MD; et al.

Abstract | **Full Text**

  JAMA. 2019;321(24):2414-2427. doi:10.1001/jama.2019.8145

This randomized trial compares the effects of 1 month of dual antiplatelet therapy (DAPT) followed by clopidogrel monotherapy vs 12 months of DAPT with aspirin and clopidogrel on cardiovascular and bleeding events in patients in Japan who underwent percutaneous coronary intervention (PCI).

 **Clinical Review Audio:** Reducing the Intensity of Antiplatelet Therapy Following Coronary Stent Procedures

Editorial

Dual Antiplatelet Therapy: Is It Time to Cut the Cord With Aspirin?

Khaled M. Ziada, MD; David J. Moliterno, MD



Clinical Review Audio: Reducing the Intensity of Antiplatelet Therapy Following Coronary Stent Procedures

Effect of P2Y₁₂ Inhibitor Monotherapy vs Dual Antiplatelet Therapy on Cardiovascular Events in Patients Undergoing Percutaneous Coronary Intervention: The SMART-CHOICE Randomized Clinical Trial

Joo-Yong Hahn, MD; Young Bin Song, MD; Ju-Hyeon Oh, MD; et al.

Abstract | **Full Text**

JAMA. 2019;321(24):2428-2437. doi:10.1001/jama.2019.8146

This randomized noninferiority trial compares the effect of P2Y₁₂ inhibitor monotherapy vs dual antiplatelet therapy (DAPT) on cardiac and cerebrovascular events in patients undergoing percutaneous coronary intervention (PCI) with drug-eluting stents.



Clinical Review Audio: Reducing the Intensity of Antiplatelet Therapy Following Coronary Stent Procedures



Editorial

Dual Antiplatelet Therapy: Is It Time to Cut the Cord With Aspirin?

Khaled M. Ziada, MD; David J. Moliterno, MD



Clinical Review Audio: Reducing the Intensity of Antiplatelet Therapy Following Coronary Stent Procedures

Discriminative Accuracy of FEV₁:FVC Thresholds for COPD-Related Hospitalization and Mortality

Surya P. Bhatt, MD, MSPH; Pallavi P. Balte, PhD, MBBS; Joseph E. Schwartz, PhD; et al.

Abstract | **Full Text**

JAMA. 2019;321(24):2438-2447. doi:10.1001/jama.2019.7233

This study used harmonized and pooled data from 4 US general population–based cohorts to determine the discriminative accuracy of various FEV₁:FVC fixed thresholds for predicting COPD-related

hospitalization and mortality.

Editorial

Accuracy of Airflow Obstruction Thresholds for Predicting COPD-Related Hospitalization and Mortality: Can Simple Diagnostic Thresholds Be Used for a Complex Disease?

Jørgen Vestbo, DMSc; Peter Lange, DMSc

Advertisement

Research Letter

Characteristics and Scope of Training of Clinicians Participating in the US Direct-to-Consumer Marketplace for Unproven Stem Cell Interventions

Wayne Fu, MD, MBA; Cambray Smith, BS; Leigh Turner, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2463-2464. doi:10.1001/jama.2019.5837

This study describes the credentials and scope of training of physician and nonphysician practitioners working for US companies marketing unproven stem cell procedures.

Association Between Quantity of Opioids Prescribed After Surgery or Preoperative Opioid Use Education With Opioid Consumption

Kevin X. Farley, BS; Albert T. Anastasio, BA; Arun Kumar, MD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2465-2467. doi:10.1001/jama.2019.6125

This cohort study investigates the association between reducing the number of opioid tablets prescribed after anterior cruciate ligament (ACL) reconstruction and postoperative opioid consumption and between

preoperative opioid use education about nonopioid pain strategies and duration and quantity of opioid use.

Viewpoint

Health Policy

Single-Payer Reform—“Medicare for All”

Steffie Woolhandler, MD, MPH; David U. Himmelstein, MD

Abstract | **Full Text**

JAMA. 2019;321(24):2399-2400. doi:10.1001/jama.2019.7031

In this Viewpoint, Woolhandler and Himmelstein review the potential benefits of single-payer health care reform, including savings on administrative costs and lower drug prices, and argue against partial solutions that might expand coverage without reducing costs and waste.

Evolving Issues in the Treatment of Depression

Ole Köhler-Forsberg, MD; Cristina Cusin, MD; Andrew A. Nierenberg, MD

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2401-2402. doi:10.1001/jama.2019.4990

This Viewpoint discusses recent evidence documenting benefits of nonpharmacological and drug therapies for major depressive disorder including exercise, Mediterranean diet and structured dietary support, ketamine and esketamine, brexanolone, and psilocybin.

☐ **Audio Interview:** New Approaches to Management of Depression

Emergence of Hybrid Models of Genetic Testing Beyond Direct-to-Consumer or Traditional Labs

Kathryn A. Phillips, PhD; Julia R. Trosman, PhD; Michael P. Douglas, MS

Abstract | **Full Text**

JAMA. 2019;321(24):2403-2404. doi:10.1001/jama.2019.5670

This Viewpoint reviews the recent growth and potential benefits and harms of hybrid models of genetic testing, in which testing services retain the low costs of direct-to-consumer testing and send results to patients but clinicians order the tests and also receive results that they can interpret for patients.

The Proliferation of Reports on Clinical Scoring Systems: Issues About Uptake and Clinical Utility

Douglas W. Challener, MD; Larry J. Prokop, MLS; Omar Abu-Saleh, MBBS

Abstract | **Full Text**

JAMA. 2019;321(24):2405-2406. doi:10.1001/jama.2019.5284

This Viewpoint charts the rise in publications describing risk prediction tools, such as the FRAX, CHADS₂, and SOFA scores, and discusses the implications of using algorithms for clinical decisions in the absence of evidence about the effects of the tools on patient care and outcomes.

A Piece of My Mind

A Pitiful Sanctuary

Jessie M. Gaeta, MD

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2407-2408. doi:10.1001/jama.2019.7998

In this narrative medicine essay, a physician at Boston's Health Care for the Homeless program describes the experience of responding to frequent injection drug overdoses in the clinic's restrooms, sees the phenomenon as a result of society's abandonment of substance users, and argues for cleaner, safer spaces where people can use drugs and be connected to others for help.

Editorial

Dual Antiplatelet Therapy: Is It Time to Cut the Cord With Aspirin?

Khaled M. Ziada, MD; David J. Moliterno, MD

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2409-2411. doi:10.1001/jama.2019.7025

☐ **Clinical Review Audio:** Reducing the Intensity of Antiplatelet Therapy Following Coronary Stent Procedures

Accuracy of Airflow Obstruction Thresholds for Predicting COPD-Related Hospitalization and Mortality: Can Simple Diagnostic Thresholds Be Used for a Complex Disease?

Jørgen Vestbo, DMSc; Peter Lange, DMSc

Abstract | **Full Text**

JAMA. 2019;321(24):2412-2413. doi:10.1001/jama.2019.6584

The Rational Clinical Examination

Did This Patient Have Cardiac Syncope? The Rational Clinical Examination Systematic Review

Omar T. Albassam, MD; Robert J. Redelmeier; Steven Shadowitz, MD, MSc; et al.

Abstract | **Full Text**

JAMA. 2019;321(24):2448-2457. doi:10.1001/jama.2019.8001

This Rational Clinical Examination systematic review summarizes the accuracy of the clinical examination and electrocardiogram for distinguishing patients with vs without cardiac causes of syncope.

JAMA Insights

Women's Health

Menopausal Hormone Therapy

Jan L. Shifren, MD; Carolyn J. Crandall, MD, MS; JoAnn E. Manson, MD, DrPH

Abstract | **Full Text**

 JAMA. 2019;321(24):2458-2459. doi:10.1001/jama.2019.5346

This JAMA Insights Clinical Update reviews the use of hormonal therapy to manage menopausal vasomotor symptoms and proposes an algorithm for deciding if therapy should be initiated or continued based on a woman's age, duration since onset of menopause, and risk factors for adverse outcomes.

 **Clinical Review Audio:** Menopausal Hormone Therapy

 **Editorial**
Women's Health: A New JAMA Clinical Insights Series

Carolyn J. Crandall, MD, MS; Edward Livingston, MD

JAMA Clinical Challenge

A Febrile, Hypotensive Patient With Bilateral Lung Crackles

Nicholas Oh, MD; Peter Downey, MD; Abbas Ardehali, MD

Abstract | **Full Text**

 JAMA. 2019;321(24):2460-2461. doi:10.1001/jama.2019.6546

A 61-year-old man with 1 day of dyspnea and weakness was febrile (38.4°C), hypotensive, tachycardic, diaphoretic, and had poor dentition, a soft S₁, and basilar bilateral crackles on examination and aortic regurgitation on transesophageal echocardiography. What is the diagnosis and what would you do next?

Medical News & Perspectives

The US Military Considers Whether Controversial Opioid Is Fit for Battlefield Duty

Rebecca Voelker, MSJ

Abstract | **Full Text**

 JAMA. 2019;321(24):2389-2391. doi:10.1001/jama.2019.5636

This Medical News article describes research proposals the US military is weighing to evaluate sufentanil sublingual tablets, an opioid that gained a controversial FDA approval last year, for battlefield use.

 **Audio:** JAMA Medical News Summary for June 2019

Gene Variant Associated With Menthol Cigarette Smoking in Some African Americans

Jennifer Abbasi

Abstract | **Full Text**

JAMA. 2019;321(24):2391-2392. doi:10.1001/jama.2019.5243

This Medical News article discusses the recent discovery of a gene variant strongly associated with menthol cigarette use.

The JAMA Forum

Coordinating Community Planning for Transportation and Health

Howard K. Koh, MD, MPH; Jenny T. Rosenberg, BA

Abstract | **Full Text**

 JAMA. 2019;321(24):2393-2394. doi:10.1001/jama.2019.7769

News From the Centers for Disease Control and Prevention

Preventing Maternal Deaths

Bridget Kuehn, MSJ

Abstract | **Full Text**

☐ [JAMA. 2019;321\(24\):2397. doi:10.1001/jama.2019.7438](#)

Lupus Survival Disparities

Bridget Kuehn, MSJ

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(24\):2397. doi:10.1001/jama.2019.7867](#)

Clinical Trials Update

Another Amyloid-beta Blocker Fails to Halt Dementia

Anita Slomski, MA

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(24\):2396. doi:10.1001/jama.2019.7821](#)

Placental Growth Factor Testing for Faster Preeclampsia Diagnosis

Anita Slomski, MA

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(24\):2396. doi:10.1001/jama.2019.8397](#)

Wearable Device Promotes Socialization in Kids With Autism

Anita Slomski, MA

[Abstract](#) | [Full Text](#)

☐ [JAMA. 2019;321\(24\):2396. doi:10.1001/jama.2019.8398](#)

Cariprazine Benefits Patients With Bipolar Depression

Anita Slomski, MA

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2396. doi:10.1001/jama.2019.8399

Supplements Improve Insulin Sensitivity

Anita Slomski, MA

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2396. doi:10.1001/jama.2019.8400

Health Agencies Update

Method Verifies Whether Pediatric Patients Fasted Before Blood Testing

Rita Rubin, MA

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2395. doi:10.1001/jama.2019.7710

HHS Issues Final “Conscience” Rule

Rita Rubin, MA

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2395. doi:10.1001/jama.2019.8394

Veterans Genomic Cohort Nearing 1 Million

Rita Rubin, MA

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2395. doi:10.1001/jama.2019.8395

Poetry and Medicine

Fructose-Drunk

Anitha Ahmed

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2474. doi:10.1001/jama.2019.3321

JAMA Revisited

Critique & Cavil ...

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2475. doi:10.1001/jama.2018.15396

JAMA Patient Page

Sigmoid Volvulus

Ioana Baiu, MD, MPH; Andrew Shelton, MD

Abstract | **Full Text**

☐ JAMA. 2019;321(24):2478. doi:10.1001/jama.2019.2349

This JAMA Patient Page describes sigmoid volvulus, its symptoms, and its treatment.

Comment & Response

Dietary Supplements for Brain Health

A. David Smith, MA, DPhil; Helga Refsum, MD; Joshua W. Miller, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2467. doi:10.1001/jama.2019.4963

Dietary Supplements for Brain Health—Reply

Joanna Hellmuth, MD, MHS; Gil D. Rabinovici, MD; Bruce L. Miller, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2467-2468. doi:10.1001/jama.2019.4967

Low Free Sugar Diet in Adolescents With Nonalcoholic Fatty Liver Disease

George Yizhou Tang, BA, AMRSB; Jiali Gao, BA

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2468-2469. doi:10.1001/jama.2019.5141

Low Free Sugar Diet in Adolescents With Nonalcoholic Fatty Liver Disease—Reply

Jeffery B. Schwimmer, MD; Patricia Ugalde-Nicalo, MD; Miriam B. Vos, MD, MSPH

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2469. doi:10.1001/jama.2019.5153

Electroencephalography-Guided Anesthetic Administration and Postoperative Delirium

Finn M. Radtke, MD; Martin Franck, MD; Claudia D. Spies, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2469-2470. doi:10.1001/jama.2019.5145

Electroencephalography-Guided Anesthetic Administration and Postoperative Delirium

Arpad Zolyomi, MD; Neal S. Gerstein, MD; Timothy R. Petersen, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2470. doi:10.1001/jama.2019.5157

Electroencephalography-Guided Anesthetic Administration and Postoperative Delirium

Peter Kienbaum, MD; Maximilian S. Schaefer, MD

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2470-2471. doi:10.1001/jama.2019.5149

Electroencephalography-Guided Anesthetic Administration and Postoperative Delirium—Reply

Troy S. Wildes, MD; Angela M. Mickle, MS; Michael S. Avidan, MBBCh

[Abstract](#) | [Full Text](#)

JAMA. 2019;321(24):2471-2472. doi:10.1001/jama.2019.5161

JAMA Masthead

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☐ JAMA. 2019;321(24):2387-2388. doi:10.1001/jama.2018.15389



June 2019, Vol 179, No. 6, Pages 737-854

In This Issue of JAMA Internal Medicine

Highlights

[Abstract](#) | [Full Text](#)

□ *JAMA Intern Med.* 2019;179(6):737-739. doi:10.1001/jamainternmed.2018.5496

Original Investigation

Cardiovascular Outcomes of Calcium-Free vs Calcium-Based Phosphate Binders in Patients 65 Years or Older With End-stage Renal Disease Requiring Hemodialysis

Julia Spoendlin, PhD, MPH; Julie M. Paik, MD, ScD; T. Tsacogianis, MPH; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):741-749. doi:10.1001/jamainternmed.2019.0045

This observational study examines the use of sevelamer vs calcium acetate for treatment of hyperphosphatemia in patients 65 years or older with end-stage renal disease who are undergoing hemodialysis.

Effect of the Serious Illness Care Program in Outpatient Oncology: A Cluster Randomized Clinical Trial

Rachelle Bernacki, MD, MS; Joanna Paladino, MD; Bridget A. Neville, MPH; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):751-759. doi:10.1001/jamainternmed.2019.0077

This cluster randomized clinical trial evaluates the effect of a communication quality-improvement intervention on a goal-concordant care and peacefulness at the end of life among oncology clinicians and patients with advanced cancer.

Editorial

Discussing Prognosis, Preferences, and End-of-Life Care in Advanced Cancer: We Need to Speak

Belinda E. Kiely, MBBS, PhD, FRACP; Martin R. Stockler, MBBS, MSc, FRACP

Assessment of Inpatient Time Allocation Among First-Year Internal Medicine Residents Using Time-Motion Observations

Krisda H. Chaichachati, MD, MPH, MSHP; Judy A. Shea, PhD; David A. Asch, MD, MBA; et al.

[Abstract](#) | [Full Text](#)

☐ ☐ *JAMA Intern Med.* 2019;179(6):760-767. doi:10.1001/jamainternmed.2019.0095

This secondary analysis of time-motion data from participants in a cluster-randomized trial assesses how first-year internal medicine residents allocate time spent working on general medicine inpatient services.

☐ [Audio Interview:](#) Allocation of Inpatient Time Among First-Year Internal Medicine Residents

Association of Stratification by Dual Enrollment Status With Financial Penalties in the Hospital Readmissions Reduction Program

Karen E. Joynt Maddox, MD, MPH; Mat Reidhead, MA; Andrew C. Qi, BS; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):769-776. doi:10.1001/jamainternmed.2019.0117

This cross-sectional study examines changes in performance and penalties after stratification of hospitals by the Hospital Readmissions Reduction Program into groups based on the proportion of each hospital's Medicare patient population that is enrolled in both Medicare and Medicaid.

Association of Cumulative Socioeconomic and Health-Related Disadvantage With Disparities in Smoking Prevalence in the United States, 2008 to 2017

Adam M. Leventhal, PhD; Mariel S. Bello, MA; Ellen Galstyan, BA; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):777-785. doi:10.1001/jamainternmed.2019.0192

This study of a nationally representative cross-sectional annual household-based probability sample of noninstitutionalized residents estimates disparities in smoking prevalence associated with the number of socioeconomic and health-related disadvantages faced by US adults from 2008 to 2017.

Association Between Receipt of a Medically Tailored Meal Program and Health Care Use

Seth A. Berkowitz, MD, MPH; Jean Terranova, JD; Liisa Randall, PhD; et al.

[Abstract](#) | [Full Text](#)

☐ *JAMA Intern Med.* 2019;179(6):786-793. doi:10.1001/jamainternmed.2019.0198

This cohort study looks at the incidence of inpatient and skilled nursing facility admissions, as well as health care costs, for recipients of home-delivered medically tailored meals.

Diagnostic Performance of Creatinine-Based Equations for Estimating Glomerular Filtration Rate in Adults 65 Years and Older

Luciano da Silva Selistre, MD, PhD; Dener L. Rech, MD, MS; Vandr  a de Souza, MD, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):796-804. doi:10.1001/jamainternmed.2019.0223

This cross-sectional study compares 4 equations used to estimate glomerular filtration rate against measurement of inulin 2247 older French adults with varying degrees of kidney health.

Health Care Policy and Law

Association Between State Laws Facilitating Pharmacy Distribution of Naloxone and Risk of Fatal Overdose

Rahi Abouk, PhD; Rosalie Liccardo Pacula, PhD; David Powell, PhD

[Abstract](#) | [Full Text](#)

□ *JAMA Intern Med.* 2019;179(6):805-811. doi:10.1001/jamainternmed.2019.0272

This population-based study examines fatal opioid overdose rates in states with policies allowing pharmacy distribution of naloxone.

Association of Treatment With 5 α -Reductase Inhibitors With Time to Diagnosis and Mortality in Prostate Cancer

Reith R. Sarkar, MAS; J. Kellogg Parsons, MD, MHS; Alex K. Bryant, MD, MAS; et al.

[Abstract](#) | [Full Text](#)

□ *JAMA Intern Med.* 2019;179(6):812-819. doi:10.1001/jamainternmed.2019.0280

This population-based cohort study examines medical records of 80 875 men who were treated at Veterans Affairs hospitals for prostate cancer to compare the time to diagnosis and mortality in men previously treated with 5 α -reductase inhibitors for benign prostatic hyperplasia with those of men who received different or no treatment.

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Invited Commentary

Comparative Safety of Phosphate Binders Without Proven Efficacy—How Did We Get Here?

Bryan R. Kestenbaum, MD, MS; Ian H. de Boer, MD, MS

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):749-750. doi:10.1001/jamainternmed.2019.0043

A Modern Snapshot of the Daily Work of Medical Interns—The Burden of Indirect Patient Care

Christopher Moriates, MD; F. Parker Hudson, MD, MPH

[Abstract](#) | [Full Text](#)

☐ *JAMA Intern Med.* 2019;179(6):767-768. doi:10.1001/jamainternmed.2019.0092

☐ [Audio Interview:](#) Allocation of Inpatient Time Among First-Year Internal Medicine Residents

Food Is Medicine—The Promise and Challenges of Integrating Food and Nutrition Into Health Care

Dariush Mozaffarian, MD, DrPH; Jerold Mande, MPH; Renata Micha, RD, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):793-795. doi:10.1001/jamainternmed.2019.0184

Advance Care Planning Codes—Getting Paid for Quality Care

Ankita Mehta, MD; Amy S. Kelley, MD, MSHS

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):830-831. doi:10.1001/jamainternmed.2018.8105

Family Caregivers Needed—No Training Provided

Karina M. Berg, MD, MS; Richard H. Fortinsky, PhD; Julie Robison, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):835-836. doi:10.1001/jamainternmed.2018.8689

Evaluating Digital Health Tools—Prospective, Experimental, and Real World

Andrew D. Auerbach, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):840-841. doi:10.1001/jamainternmed.2018.7229

Editor's Note

Supplemental Security Income and the Health of Low-Income Adults

Colette DeJong, MD; Mitchell H. Katz, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):843-844. doi:10.1001/jamainternmed.2019.0058

Special Communication

Prognosis Reconsidered in Light of Ancient Insights—From Hippocrates to Modern Medicine

John M. Thomas, MD; Leo M. Cooney Jr, MD; Terri R. Fried, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):820-823. doi:10.1001/jamainternmed.2019.0302

This article discusses the ways that the meaning of prognosis has evolved over time and its implications for practice in modern medicine.

Research Letter

Assessment of First-Year Use of Medicare’s Advance Care Planning Billing Codes

Kimberly Pelland, MPH; Blake Morphis, BS; Daniel Harris, MPH; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):827-829. doi:10.1001/jamainternmed.2018.8107

This observational analysis characterizes the first year of use of the Medicare code for advance care planning and describes beneficiaries most likely to receive advance care planning.

Early Utilization Patterns of the New Medicare Procedure Codes for Advance Care Planning

Emmanuelle Belanger, PhD; Lacey Loomer, MSPH; Joan M. Teno, MD, MS; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):829-830. doi:10.1001/jamainternmed.2018.8615

This study of Medicare claims analyzes utilization patterns for new *Current Procedural Terminology* codes for advance care planning visits.

Health Care Policy and Law

Favorable Formulary Placement of Branded Drugs in Medicare Prescription Drug Plans When Generics Are Available

Mariana P. Socal, MD, MS, MPP, PhD; Ge Bai, PhD, CPA; Gerard F. Anderson, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):832-833. doi:10.1001/jamainternmed.2018.7824

This study examines Medicare Part D prescription drug plans to assess how often branded products were given more favorable formulary placement than generic products.

Factors Associated With Receipt of Training Among Caregivers of Older Adults

Julia Burgdorf, BS; David L. Roth, PhD; Catherine Riffin, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):833-835. doi:10.1001/jamainternmed.2018.8694

This study uses data from the 2015 National Health and Aging Trends Survey to investigate whether family and unpaid caregiver characteristics are associated with the receipt of caregiver training.

Automatically Charting Symptoms From Patient-Physician Conversations Using Machine Learning

Alvin Rajkomar, MD; Anjuli Kannan, AB; Kai Chen, PhD; et al.

[Abstract](#) | [Full Text](#)

☐ *JAMA Intern Med.* 2019;179(6):836-838. doi:10.1001/jamainternmed.2018.8558

This study assesses the feasibility of using machine learning to automatically populate a review of systems of all symptoms discussed in an encounter between a patient and a clinician.

Characteristics of Digital Health Studies Registered in ClinicalTrials.gov

Connie E. Chen, MD; Robert A. Harrington, MD; Sumbul A. Desai, MD; et al.

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):838-840. doi:10.1001/jamainternmed.2018.7235

This analysis of digital health studies in ClinicalTrials.gov examines the clinical evidence underlying digital health interventions.

Association of Health Status With Receipt of Supplemental

Security Income Among Individuals With Severe Disabilities and Very Low Income and Assets

Rajan A. Sonik, PhD, JD, MPH; Susan L. Parish, PhD, MSW; Monika Mitra, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):842-843. doi:10.1001/jamainternmed.2018.8609

This study assesses the association of health status with receipt of Supplemental Security Income by comparing the health patterns among individuals before vs after entry into the program.

Editor's Note

Supplemental Security Income and the Health of Low-Income Adults

Colette DeJong, MD; Mitchell H. Katz, MD

Challenges in Clinical Electrocardiography

Pseudo–Ventricular Tachycardia, Pseudo–Atrial Fibrillation, and Pseudo–Atrial Flutter in a Patient With Parkinson Disease: Two’s Company, Three’s a Crowd

Wesseem Osman, BSc, MSc, MD; Matthew Hanson, BSc, MSc, MD; Adrian Baranchuk, MD, FRCP, FCCS

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):824-826. doi:10.1001/jamainternmed.2019.0746

This case report describes pseudo–ventricular tachycardia, pseudo–atrial fibrillation, and pseudo–atrial flutter in a patient with Parkinson disease.

Comment & Response

Effectiveness of a Best Practice Alert to Reduce Telemetry Orders

William M. Garneau, MD, MPH; Amy M. Knight, MD; Amit K. Pahwa, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):844. doi:10.1001/jamainternmed.2019.0708

Less Is More

Effectiveness of a Best Practice Alert to Reduce Telemetry Orders—Reply

Nader Najafi, MD; Russ Cucina, MD, MS; Raman Khanna, MD, MAS

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):844-845. doi:10.1001/jamainternmed.2019.0705

Future Directions for Corticosteroids in Treatment of Sepsis

Joanna L. Spencer-Segal, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):845. doi:10.1001/jamainternmed.2019.0859

Future Directions for Corticosteroids in Treatment of Sepsis—Reply

Yu Zhang, MD; Jianguo Xu, MD; Fang Fang, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):845. doi:10.1001/jamainternmed.2019.0856

Providing Prescriptions to the Patient Who Is Leaving Against Medical Advice

Sameer Prakash, DO; M. Tarek Naguib, MD, MBA

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):845-846. doi:10.1001/jamainternmed.2019.0878

Complication Rates in a Study of Invasive Diagnostic Procedures for Lung Abnormalities

Stephen J. Halliday, MD; Matthew C. Aboudara, MD; Fabien Maldonado, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):846-847. doi:10.1001/jamainternmed.2019.0960

Complication Rates in a Study of Invasive Diagnostic Procedures for Lung Abnormalities—In Reply

Jinhai Huo, PhD, MD, MSPH; Ya-Chen Tina Shih, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):847. doi:10.1001/jamainternmed.2019.0954

Lack of Standardized Terminology in Ultrasound Reports for Ovarian Cysts

Elizabeth Suh-Burgmann, MD; Lisa Herrinton, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):847-848. doi:10.1001/jamainternmed.2019.0970

Lack of Standardized Terminology in Ultrasound Reports for Ovarian Cysts—Reply

Rebecca Smith-Bindman, MD; Diana Miglioretti, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):848-849. doi:10.1001/jamainternmed.2019.0976

Insulin Cost and Underuse in Patients With Diabetes

Kapil Bhatia, MD; Eric Y. Chang, MD; Muhammad Bilal, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):849. doi:10.1001/jamainternmed.2019.0973

Power Calculations, Effect Sizes, and 30-Day Mortality in Enterobacteriaceae Bacteremia

Tristan T. Timbrook, PharmD, MBA; Jason P. Burnham, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):849-850. doi:10.1001/jamainternmed.2019.1190

Methodological Issues in Determining the Accuracy of Automated Office Blood Pressure Readings for Diagnosing Hypertension

Anthony O. Etyang, MBChB, MMed, Msc, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):850. doi:10.1001/jamainternmed.2019.1224

Methodological Issues in Determining the Accuracy of Automated Office Blood Pressure Readings for Diagnosing Hypertension—Reply

Michael Roerecke, PhD; Janusz Kaczorowski, PhD; Martin G. Myers, MD, FRCPC

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):850-851. doi:10.1001/jamainternmed.2019.1221

“Not Shared” Need Not Mean “Not Patient Centered”: Deciding That a Patient Is Not a Candidate

Jacob A. Blythe, MA; Jason N. Batten, MA; David C. Magnus, PhD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):851-852. doi:10.1001/jamainternmed.2019.1227

“Not Shared” Need Not Mean “Not Patient Centered”: Deciding That a Patient Is Not a Candidate—Reply

Susan P. Y. Wong, MD, MS; Ann M. O’Hare, MD, MA

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):852. doi:10.1001/jamainternmed.2019.1237

Digital Breast Tomosynthesis for Women Older Than 70 Years

Melissa A. Durand, MD; Liane Philpotts, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):853. doi:10.1001/jamainternmed.2019.1234

Digital Breast Tomosynthesis for Women Older Than 70 Years—Reply

Ilana B. Richman, MD; Cary P. Gross, MD

[Abstract](#) | [Full Text](#)

JAMA Intern Med. 2019;179(6):853-854. doi:10.1001/jamainternmed.2019.0957

Correction

Error in Key Points

[Abstract](#) | [Full Text](#)

☐ *JAMA Intern Med.* 2019;179(6):854. doi:10.1001/jamainternmed.2019.1010

Images From Our Readers

Limpkin, Sweetwater Preserve, Gainesville, Florida

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JAMA Intern Med. 2019;179(6):854. doi:10.1001/jamainternmed.2019.0419

JAMA Internal Medicine Masthead

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☐ *JAMA Intern Med.* 2019;179(6):740. doi:10.1001/jamainternmed.2018.5497

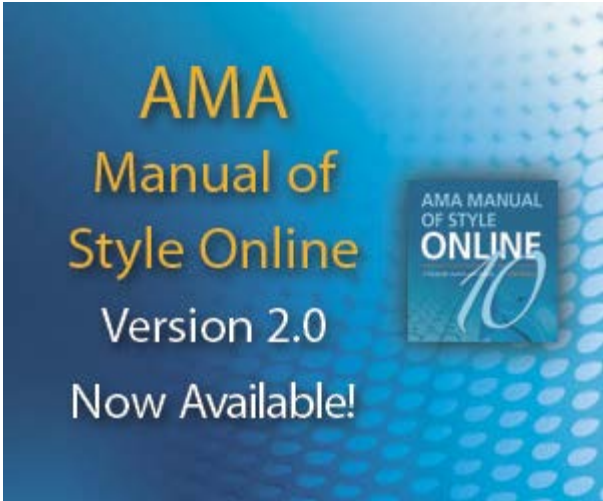


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Changes in Outpatient Services and Medication Use Following a Non-fatal Opioid Overdose in the West Virginia Medicaid Program

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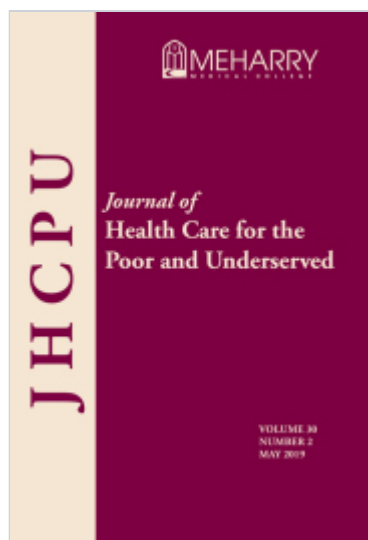
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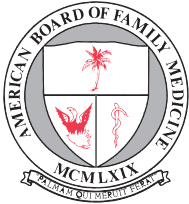
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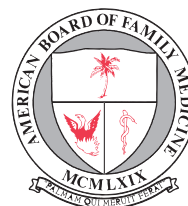
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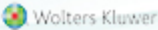
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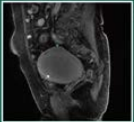


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Ainsworth, Alessandra J.; Baumgarten, Sarah C.; Bakkum-Gamez, Jamie N.; [More](#)

Obstetrics & Gynecology. 133(6):1247-1254, June 2019.

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Gynecologic Oncology: Personal Perspectives

Personal Reflections on Gynecologic Oncology and Its Future

Temkin, Sarah M.

Obstetrics & Gynecology. 133(6):1255-1258, June 2019.

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Sexuality: Current Commentary

A Clinical Reference Guide on Sexual Devices for Obstetrician–Gynecologists

Rubin, Elizabeth S.; Deshpande, Neha A.; Vasquez, Peter J.; [More](#)
Obstetrics & Gynecology. 133(6):1259-1268, June 2019.

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Infectious Disease: Case Report

Nonsexually Transmitted Genital Ulcer Secondary to Hand, Foot, and Mouth Disease

Wong, Jennifer; Langford, Andrea; Howard, David L.
Obstetrics & Gynecology. 133(6):1269-1273, June 2019.

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Leiomyomas: Case Report

Treating Myomatous Erythrocytosis Syndrome With Uterine Artery Embolization

Gordon, Brian; Fischbeck, Tucker; Salamo, Russell; [More](#)
Obstetrics & Gynecology. 133(6):1274-1277, June 2019.

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What Is New in Hysterectomy for Benign Gynecologic Disorders?Best Articles From the Past Year

Famuyide, Abimbola O.
Obstetrics & Gynecology. 133(6):1278-1280, June 2019.

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Connect the Dots—June 2019

Link, Heather; McHugh, Katherine W.; Cuff, Ryan D.; [More](#)
Obstetrics & Gynecology. 133(6):1281-1282, June 2019.

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Pessary Compared With Vaginal Progesterone for the Prevention of Preterm Birth in Women With Twin Pregnancies and Cervical Length Less Than 38 mm: A Randomized Controlled Trial

Dorairajan, Gowri; Pegu, Bhabani

Obstetrics & Gynecology. 133(6):1283, June 2019.

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Unmet Menstrual Hygiene Needs Among Low-Income Women

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Unmet Menstrual Hygiene Needs Among Low-Income Women

Poston, Lindsay

Obstetrics & Gynecology. 133(6):1284-1285, June 2019.

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Current Realities of Childbearing in Residency: Room for Improvement

Cron, Julia; Liles, Iyanna

Obstetrics & Gynecology. 133(6):1285-1286, June 2019.

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Dang, Vinh Q.; Nguyen, Linh K.; Mol, Ben W.

Obstetrics & Gynecology. 133(6):1283-1284, June 2019.

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Correction

ACOG Practice Bulletin No. 206: Use of Hormonal Contraception in Women With Coexisting Medical Conditions: Correction

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Effects of Prophylactic Oxytocin on Bleeding Outcomes in Women Undergoing Dilation and Evacuation: A Randomized Controlled Trial: Correction

Obstetrics & Gynecology. 133(6):1287-1288, June 2019.

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Obstetrics & Gynecology. 133(6):1288, June 2019.

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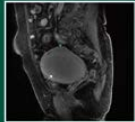
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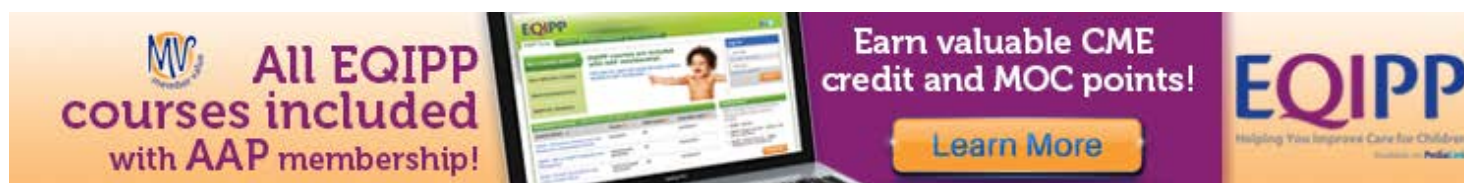
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□ Traffic Crashes, Violations, and Suspensions Among Young Drivers With ADHD

Allison E. Curry, Benjamin E. Yerys, Kristina B. Metzger, Meghan E. Carey, Thomas J. Power

Pediatrics Jun 2019, 143 (6) e20182305; DOI: 10.1542/peds.2018-2305

Via a linkage of health records and traffic data, this longitudinal study suggests that preventable risky behaviors underlie increased crash risk among adolescents with ADHD.

□ PDF

□ Poverty and Early Childhood Outcomes

Leslie L. Roos, Elizabeth Wall-Wieler, Janelle Boram Lee

Pediatrics Jun 2019, 143 (6) e20183426; DOI: 10.1542/peds.2018-3426

Poor early childhood outcomes (both health and educational) are examined by looking at children's movement into and out of both neighborhood and household poverty.

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□ Elimination of Nonmedical Immunization Exemptions in California and School-Entry Vaccine Status

Paul L. Delamater, S. Cassandra Pingali, Alison M. Bittenheim, Daniel A. Salmon, Nicola P. Klein, Saad B. Omer
Pediatrics Jun 2019, 143 (6) e20183301; DOI: 10.1542/peds.2018-3301

In this study, we found that vaccine refusal persisted after the elimination of nonmedical exemptions from school-entry vaccine requirements in California.

□ [PDF](#)

□ School Restroom and Locker Room Restrictions and Sexual Assault Risk Among Transgender Youth

Gabriel R. Murchison, Madina Agénor, Sari L. Reisner, Ryan J. Watson
Pediatrics Jun 2019, 143 (6) e20182902; DOI: 10.1542/peds.2018-2902

In this study, we report rates of sexual assault victimization, and its association with restrictive school restroom and locker room policies, in a transgender and gender nonbinary adolescent sample.

□ [PDF](#)

□ Proposition 8 and Homophobic Bullying in California

Mark L. Hatzenbuehler, Yishan Shen, Elizabeth A. Vandewater, Stephen T. Russell
Pediatrics Jun 2019, 143 (6) e20182116; DOI: 10.1542/peds.2018-2116

Using a quasi-experimental design, we document a relationship between voter referenda that promote stigma and increased risk for bias-based bullying among youth.

□ [PDF](#)

□ Trends in Opioid Prescribing for Adolescents and Young Adults in Ambulatory Care Settings

Joel D. Hudgins, John J. Porter, Michael C. Monuteaux, Florence T. Bourgeois
Pediatrics Jun 2019, 143 (6) e20181578; DOI: 10.1542/peds.2018-1578

In this analysis of nationally representative ambulatory care visits, we define trends and practices in opioid prescribing for adolescents and young adults.

□ [PDF](#)

□ Outpatient Prescription Opioid Use in Pediatric Medicaid Enrollees With Special Health Care Needs

James A. Feinstein, Jonathan Rodean, Matt Hall, Stephanie K. Douppnik, James C. Gay, Jessica L. Markham, Jessica L. Bettenhausen, Julia Simmons, Brigid Garrity, Jay G. Berry
Pediatrics Jun 2019, 143 (6) e20182199; DOI: 10.1542/peds.2018-2199

In this study, we highlight outpatient OEs in CYSHCN by prevalence and type of OE, diagnoses, and health care encounters.

[PDF](#)

[Ambulatory Management of Childhood Asthma Using a Novel Self-management Application](#)

Flory L. Nkoy, Bernhard A. Fassl, Victoria L. Wilkins, Joseph Johnson, Eun Hea Unsicker, Karmella J. Koopmeiners, Andrea Jensen, Michelle Frazier, Jordan Gaddis, Lis Malmgren, Stacey Williams, Heather Oldroyd, Tom Greene, Xiaoming Sheng, Derek A. Uchida, Christopher G. Maloney, Bryan L. Stone
Pediatrics Jun 2019, 143 (6) e20181711; **DOI:** 10.1542/peds.2018-1711

In this study, we evaluate the impact of implementing a novel pediatric asthma self-management tool in multiple ambulatory care clinics, driving timely and proactive care.

[PDF](#)

[Treatment Intensification in Patients With Kawasaki Disease and Coronary Aneurysm at Diagnosis](#)

Audrey Dionne, Jane C. Burns, Nagib Dahdah, Adriana H. Tremoulet, Kimberlee Gauvreau, Sarah D. de Ferranti, Annette L. Baker, Mary Beth Son, Patrick Gould, Anne Fournier, Jane W. Newburger, Kevin G. Friedman
Pediatrics Jun 2019, 143 (6) e20183341; **DOI:** 10.1542/peds.2018-3341

In this study, we examined the impact of treatment intensification with corticosteroids or infliximab in patients with KD and coronary aneurysm.

[PDF](#)

[Etanercept With IVIg for Acute Kawasaki Disease: A Randomized Controlled Trial](#)

Michael A. Portman, Nagib S. Dahdah, April Slee, Aaron K. Olson, Nadine F. Choueiter, Brian D. Soriano, Sujatha Buddhé, Carolyn A. Altman, for the EATAK Investigators
Pediatrics Jun 2019, 143 (6) e20183675; **DOI:** 10.1542/peds.2018-3675

Etanercept in a randomized clinical trial exhibited potential benefit as an adjunctive IVIg treatment of acute KD in select prespecified subgroups.

[PDF](#)

[Adult Tourniquet for Use in School-Age Emergencies](#)

H. Theodore Harcke, Luke L. Lawrence, Emily W. Gripp, Heidi H. Kecskemethy, Richard W. Kruse, Stephen G. Murphy
Pediatrics Jun 2019, 143 (6) e20183447; **DOI:** 10.1542/peds.2018-3447

Prospective testing of the adult CAT in children aged 6 to 16 years revealed effective control of arterial blood flow.

[□ PDF](#)

□ State Mandate Laws for Autism Coverage and High-Deductible Health Plans

Colleen L. Barry, Alene Kennedy-Hendricks, David Mandell, Andrew J. Epstein, Molly Candon, Matthew Eisenberg
Pediatrics Jun 2019, 143 (6) e20182391; **DOI:** 10.1542/peds.2018-2391

In this study, we examine how state autism mandates affect children with ASD in HDHPs relative to those in traditional, low-deductible plans.

[□ PDF](#)

□ Two Family Interventions to Reduce BMI in Low-Income Urban Youth: A Randomized Trial

Shirley M. Moore, Elaine A. Borawski, Thomas E. Love, Sarah Jones, Terri Casey, Sarah McAleer, Charles Thomas, Clara Adegbite-Adeniyi, Naveen K. Uli, Heather K. Hardin, Erika S. Trapl, Matthew Plow, June Stevens, Kimberly P. Truesdale, Charlotte A. Pratt, Michael Long, Ann Nevar
Pediatrics Jun 2019, 143 (6) e20182185; **DOI:** 10.1542/peds.2018-2185

Despite the epidemic of childhood obesity, effective and sustainable intervention approaches to help children lose weight or maintain their weight in low-income families remain elusive.

[□ PDF](#)

□ An Early Infant HIV Risk Score for Targeted HIV Testing at Birth

Nicolette M. Du Plessis, Chris J.B. Muller, Theunis Avenant, Michael S. Pepper, Ameena E. Goga
Pediatrics Jun 2019, 143 (6) e20183834; **DOI:** 10.1542/peds.2018-3834

Risk score models for birth HIV acquisition were developed in this study, and the feasibility of targeted compared with universal birth PCR testing was evaluated.

[□ PDF](#)

□ General Health and Life Satisfaction in Children With Chronic Illness

Courtney K. Blackwell, Amy J. Elliott, Jody Ganiban, Julie Herbstman, Kelly Hunt, Christopher B. Forrest, Carlos A. Camargo, on behalf of program collaborators for Environmental influences on Child Health Outcomes
Pediatrics Jun 2019, 143 (6) e20182988; **DOI:** 10.1542/peds.2018-2988

Although chronic illnesses are associated with worse general health, they do not limit children from leading satisfying lives.

[□ PDF](#)

□ Diabetes-Related Emotional Distress Over Time

Esti Iturralde, Joseph R. Rausch, Jill Weissberg-Benchell, Korey K. Hood
Pediatrics Jun 2019, 143 (6) e20183011; **DOI:** 10.1542/peds.2018-3011

In this study, we examine trajectories of adolescents' diabetes-related emotional distress and assess predictors of adaptive and maladaptive patterns over a 16-month timespan.

[□ PDF](#)

□ Long-term Outcomes of Cerebral Aneurysms in Children

Aymeric Amelot, Guillaume Saliou, Sandro Benichi, Quentin Alias, Grégoire Boulouis, Michel Zerah, Nozar Aghakhani, Augustin Ozanne, Thomas Blauwblomme, Olivier Naggara
Pediatrics Jun 2019, 143 (6) e20183036; **DOI:** 10.1542/peds.2018-3036

We identified prognostic factors for long-term clinical outcome as well as imaging outcome for recurrence and rebleeding of ruptured or symptomatic cerebral aneurysms in ≤ 15 -year-old children.

[□ PDF](#)

□ Development of Nationwide Recommendations to Support Prenatal Counseling in Extreme Prematurity

Rosa Geurtzen, Arno F.J. van Heijst, Jos M.T. Draaisma, Lindie J.M.K. Kuijpers, Mallory Woiski, Hubertina C.J. Scheepers, Anton H. van Kaam, Martijn A. Oudijk, Harrie N. Lafeber, Caroline J. Bax, Jan F. Koper, Leonie K. Duin, Marc A. van der Hoeven, René F. Kornelisse, Johannes J. Duvekot, Peter Andriessen, Pieter J. van Runnard Heimel, Marja van der Heide-Jalving, Mireille N. Bekker, Susanne M. Mulder-de Tollenaer, Jim van Eyck, Ellis Eshuis-Peters, Margo Graatsma, Rosella P.M.G. Hermens, Marije Hogeveen
Pediatrics Jun 2019, 143 (6) e20183253; **DOI:** 10.1542/peds.2018-3253

The Delphi method is used to develop a framework for prenatal periviability counseling. This framework contains recommendations in the domains of organization, decision-making, content, and style, including personalization tools.

[□ PDF](#)

□ Free Fatty Acids as an Indicator of the Nonfasted State in Children

Shavonne M. Collins, Miranda M. Broadney, Nejla Ghane, Elisabeth K. Davis, Manuela Jaramillo, Lisa M. Shank, Sheila M. Brady, Jack A. Yanovski
Pediatrics Jun 2019, 143 (6) e20183896; **DOI:** 10.1542/peds.2018-3896

Serum FFA concentrations were found to be a helpful biochemical test to identify the fasted versus fed state in children.

[□ PDF](#)

□ Injury Incidence in Youth, High School, and NCAA Men's Lacrosse

Zachary Y. Kerr, Karen G. Roos, Andrew E. Lincoln, Sarah Morris, Susan W. Yeargin, Jon Grant, Tracey Covassin, Thomas Dodge, Vincent C. Nittoli, James Mensch, Sara L. Quetant, Erin B. Wasserman, Thomas P. Dompier, Shane V. Caswell

Pediatrics Jun 2019, 143 (6) e20183482; **DOI:** 10.1542/peds.2018-3482

With this epidemiological study, we use sports injury surveillance data to describe and compare the incidence of injury in youth boys', HS boys', and NCAA men's lacrosse.

[□ PDF](#)

□ Trends in Pediatric Emergency Department Use After the Affordable Care Act

Michael Lee, Michael C. Monuteaux

Pediatrics Jun 2019, 143 (6) e20183542; **DOI:** 10.1542/peds.2018-3542

In this cross-sectional, retrospective ITS analysis, we found that pediatric ED visits did not fall after the 2014 implementation of the ACA.

[□ PDF](#)

□ Food Insecurity During Pregnancy and Breastfeeding by Low-Income Hispanic Mothers

Rachel S. Gross, Alan L. Mendelsohn, Mayela M. Arana, Mary Jo Messito

Pediatrics Jun 2019, 143 (6) e20184113; **DOI:** 10.1542/peds.2018-4113

Maternal perceptions that food insecurity during pregnancy and infancy affects maternal diet quality, stress, and ultimately infant feeding may explain links to later child obesity.

[□ PDF](#)

□ *The Reading House*: A Children's Book for Emergent Literacy Screening During Well-Child Visits

John S. Hutton, Laura Justice, Guixia Huang, Amy Kerr, Thomas DeWitt, Richard F. Ittenbach

Pediatrics Jun 2019, 143 (6) e20183843; **DOI:** 10.1542/peds.2018-3843

This study involved preliminary validation of a specially designed children's book for screening emergent literacy skills in 3- and 4-year-old children during well-child visits.

[□ PDF](#)

Commentaries

□ Driving the Point Home: Novel Approaches to Mitigate Crash Risk for Patients With ADHD

Sudha Raman, Matthew Engelhard, Scott H. Kollins

Pediatrics Jun 2019, 143 (6) e20190820; DOI: 10.1542/peds.2019-0820

□ [PDF](#)

□ What Canada Can Teach Us About Addressing Childhood Poverty

Benard P. Dreyer

Pediatrics Jun 2019, 143 (6) e20190195; DOI: 10.1542/peds.2019-0195

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□ Sexual Assault Risk and School Facility Restrictions in Gender Minority Youth

Diane Ehrensaft, Stephen M. Rosenthal

Pediatrics Jun 2019, 143 (6) e20190554; DOI: 10.1542/peds.2019-0554

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□ LGBT Policy Discourse and Prevention of Homophobic Bullying

Valerie A. Earnshaw, Camila M. Mateo, Sari L. Reisner

Pediatrics Jun 2019, 143 (6) e20190903; DOI: 10.1542/peds.2019-0903

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□ Opioids and the Urgent Need to Focus on the Health Care of Young Adults

S. Todd Callahan

Pediatrics Jun 2019, 143 (6) e20190835; DOI: 10.1542/peds.2019-0835

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□ Etanercept as Adjunctive Primary Therapy in Kawasaki Disease

David P. Burgner, Jane W. Newburger

Pediatrics Jun 2019, 143 (6) e20190912; DOI: 10.1542/peds.2019-0912

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□ Bleeding Children

Charles L. Snyder

Pediatrics Jun 2019, 143 (6) e20190170; DOI: 10.1542/peds.2019-0170

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□ Behavioral Pediatrics Meets Behavioral Economics:

Autism, Mandates, and High Deductibles

David Keller, Ann Reynolds

Pediatrics Jun 2019, 143 (6) e20190926; DOI: 10.1542/peds.2019-0926

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□ We Need a New Approach to Prevent Obesity in Low-Income Minority Populations

William H. Dietz

Pediatrics Jun 2019, 143 (6) e20190839; DOI: 10.1542/peds.2019-0839

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□ What Will It Take to Implement Targeted HIV Testing at Birth?

Mark F. Cotton, Helena Rabie

Pediatrics Jun 2019, 143 (6) e20190913; DOI: 10.1542/peds.2019-0913

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□ Decreasing Emergency Department Use Is a Complex Conundrum

Rustin B. Morse, Evan S. Fieldston, Mark A. Del Beccaro

Pediatrics Jun 2019, 143 (6) e20190838; DOI: 10.1542/peds.2019-0838

[PDF](#)

□ Affirming, Balanced, and Comprehensive Care for Transgender Teenagers

Scott F. Leibowitz, John D. Lantos

Pediatrics Jun 2019, 143 (6) e20190995; DOI: 10.1542/peds.2019-0995

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From the American Academy of Pediatrics

□ Fish, Shellfish, and Children's Health: An Assessment of Benefits, Risks, and Sustainability

Aaron S. Bernstein, Emily Oken, Sarah de Ferranti, COUNCIL ON ENVIRONMENTAL HEALTH, COMMITTEE ON NUTRITION

Pediatrics Jun 2019, 143 (6) e20190999; DOI: 10.1542/peds.2019-0999

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□ Guidelines for Monitoring and Management of Pediatric Patients Before, During, and After Sedation for Diagnostic and Therapeutic Procedures

Charles J. Coté, Stephen Wilson, AMERICAN ACADEMY OF

PEDIATRICS, AMERICAN ACADEMY OF PEDIATRIC DENTISTRY

Pediatrics Jun 2019, 143 (6) e20191000; DOI: 10.1542/peds.2019-1000

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□ AAP Publications Reaffirmed or Retired

Pediatrics Jun 2019, 143 (6) e20191002; **DOI:** 10.1542/peds.2019-1002

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□ Organized Sports for Children, Preadolescents, and Adolescents

Kelsey Logan, Steven Cuff, COUNCIL ON SPORTS MEDICINE AND FITNESS

Pediatrics Jun 2019, 143 (6) e20190997; **DOI:** 10.1542/peds.2019-0997

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Pediatrics Perspectives

□ Mixed Message on Formula Mixing

Tracey A. Wilkinson, Emily K. Scott, Aaron E. Carroll

Pediatrics Jun 2019, 143 (6) e20182525; **DOI:** 10.1542/peds.2018-2525

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□ The Case for Retiring the Tuberculin Skin Test

Andrea T. Cruz, Lee B. Reichman

Pediatrics Jun 2019, 143 (6) e20183327; **DOI:** 10.1542/peds.2018-3327

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□ Family History: An Opportunity to Disrupt Transmission of Behavioral Health Problems

Barry Zuckerman, Shale L. Wong

Pediatrics Jun 2019, 143 (6) e20183383; **DOI:** 10.1542/peds.2018-3383

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Family Partnerships

□ Meaningful Patient Engagement in Research: Lessons From Retinoblastoma

Elizabeth White, Richelle Baddeliyanage, Furqan Shaikh, Helen Dimaras

Pediatrics Jun 2019, 143 (6) e20182166; **DOI:** 10.1542/peds.2018-2166

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Monthly Feature

□ Maintenance of Certification: You Can Make Your Global Health Work Count

Tonya Arscott-Mills, Brianna Ter Haar, Jacqueline Firth, Maneesh Batra,

David Githanga, Virginia A. Moyer, on behalf of the Global Health Task Force of the American Board of Pediatrics
Pediatrics Jun 2019, 143 (6) e20183887; **DOI:** 10.1542/peds.2018-3887
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Review Article

[□ Physicians' Attitudes on Resuscitation of Extremely Premature Infants: A Systematic Review](#)

Alice Cavolo, Bernadette Dierckx de Casterlé, Gunnar Naulaers, Chris Gastmans

Pediatrics Jun 2019, 143 (6) e20183972; **DOI:** 10.1542/peds.2018-3972

We reviewed published articles on physicians' attitudes toward resuscitation of EPIs to gain richer insight into their decision-making process for this difficult topic.

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State-of-the-Art Review Article

[□ A Public Health Crisis: Electronic Cigarettes, Vape, and JUUL](#)

Susan C. Walley, Karen M. Wilson, Jonathan P. Winickoff, Judith Groner

Pediatrics Jun 2019, 143 (6) e20182741; **DOI:** 10.1542/peds.2018-2741

The e-cigarette is the most common tobacco product used by youth; the nicotine and toxicants in emissions may lead to addiction and other harmful health effects.

[□ PDF](#)

Special Articles

[□ The Community Access to Child Health \(CATCH\) Program: A 25-Year Retrospective](#)

Barbara Oettgen, Holly Ruch-Ross, Hope A. Barrett, Dana Bennett-Tejes, Karla Palmer, Wendy L. Hobson

Pediatrics Jun 2019, 143 (6) e20182551; **DOI:** 10.1542/peds.2018-2551

For 25 years, the CATCH program has supported pediatricians in planning or implementing innovative community-based child health initiatives.

[□ PDF](#)

[□ Ethical Issues Considered When Establishing a Pediatrics Gender Surgery Center](#)

Elizabeth R. Boskey, Judith A. Johnson, Charlotte Harrison, Jonathan M. Marron, Leah Abecassis, Allison Scobie-Carroll, Julian Willard, David A.

Diamond, Amir H. Taghinia, Oren Ganor

Pediatrics Jun 2019, 143 (6) e20183053; **DOI:** 10.1542/peds.2018-3053

The establishment of a gender surgery center in a pediatric setting requires institutions to address a unique group of ethical and legal challenges.

[PDF](#)

Ethics Rounds

[Disclosure of Misattributed Paternity](#)

Moshe Y. Prero, Meghan Strenk, Jeremy Garrett, Ann Kessler, Jonathan M. Fanaroff, John D. Lantos

Pediatrics Jun 2019, 143 (6) e20183899; **DOI:** 10.1542/peds.2018-3899

When misattributed paternity is discovered as an incidental finding, clinicians must decide whether to disclose.

[PDF](#)

Quality Reports

[Preparing for Discharge From the Neonatal Intensive Care Unit](#)

Munish Gupta, DeWayne M. Pursley, Vincent C. Smith

Pediatrics Jun 2019, 143 (6) e20182915; **DOI:** 10.1542/peds.2018-2915

A structured, multiyear QI initiative in which multiple outcome and process measures were used successfully improved discharge readiness for families with an infant in the NICU.

[PDF](#)

[Standardizing Clinical Response to Results of Lead Screening: A Quality Improvement Study](#)

Courtney M. Brown, Zeina M. Samaan, Allison Glance, Amy Haering, Brookleigh Steele, Nicholas Newman

Pediatrics Jun 2019, 143 (6) e20183085; **DOI:** 10.1542/peds.2018-3085

This QI study reveals dramatic improvement in primary care system adherence to a protocol for addressing elevated lead levels.

[PDF](#)

Case Reports

[Newborn Infant With Mothball Toxicity Due to Maternal Ingestion](#)

Mitali Sahni, Yanick Vibert, Vineet Bhandari, Ogechukwu Menkiti

Pediatrics Jun 2019, 143 (6) e20183619; **DOI:** 10.1542/peds.2018-3619

Chronic maternal ingestion of mothballs during the third trimester of pregnancy causes severe hemolytic anemia and pulmonary hypertension in the mother's newborn.

[PDF](#)

[Use of Cardiac MRI to Assess Antitumor Efficacy of Everolimus in Sporadic Cardiac Rhabdomyoma](#)

Kyle A. Davis, Anudeep K. Dodeja, Abigail Clark, Kan Hor, Peter Baker, Linda H. Cripe, Timothy P. Cripe

Pediatrics Jun 2019, 143 (6) e20182495; DOI: 10.1542/peds.2018-2495

Everolimus is a novel treatment of sporadic cardiac rhabdomyoma as revealed by serial CMRI.

[PDF](#)

[Severe Acute Respiratory Failure in Healthy Adolescents Exposed to Trimethoprim-Sulfamethoxazole](#)

Jenna O. Miller, Jane Taylor, Jennifer L. Goldman

Pediatrics Jun 2019, 143 (6) e20183242; DOI: 10.1542/peds.2018-3242

TMP-SMX is implicated in drug reactions, although pulmonary involvement is rare; we describe 5 adolescents exposed to TMP-SMX with subsequent development of severe respiratory failure.

[PDF](#)

Errata

[Amirav I, Vandall-Walker V, Rasiah J, Saunders L. Patient and Researcher Engagement in Health Research: A Parent's Perspective. *Pediatrics*. 2017;40\(3\):e20164127](#)

Pediatrics Jun 2019, 143 (6) e20190786; DOI: 10.1542/peds.2019-0786

[PDF](#)

[Barkin SL, Gesell SB, Po'e EK, Escarfuller J, Tempesti T. Culturally Tailored, Family-Centered, Behavioral Obesity Intervention for Latino-American Preschool-aged Children. *Pediatrics*. 2012;130\(3\):445–456](#)

Pediatrics Jun 2019, 143 (6) e20190813; DOI: 10.1542/peds.2019-0813

[PDF](#)

