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Dewan, Mantosh J.; Norcini, John J.

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The Development of New MD-Granting Medical Schools in the United States in the 21st Century (https://journals.lww.com/academicmedicine/Fulltext/2020/03000/The_Development_of_

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The Consequences of Structural Racism on MCAT Scores and Medical School Admissions: The Past Is Prologue

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Mission Drift: Are Medical School Admissions Committees Missing the Mark on Diversity?

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Teaching Evidence-Based Medicine to Medical Students Using Wikipedia as a Platform (https://journals.lww.com/academicmedicine/Fulltext/2020/03000/Teaching_Evidence_B:

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Exploring the Socialization Experiences of Medical Students From Social Science and Humanities Backgrounds

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Same but Different: Exploring Mechanisms of Learning in a Longitudinal Integrated Clerkship

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Continuity With Patients, Preceptors, and Peers Improves Primary Care Training: A Randomized Medical Education Trial

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204 Standardized terminology of apical structures in the female pelvis based on a structured medical literature review



Sunil Balgobin; Peter C. Jeppson; Thomas Wheeler II; Audra Jolyn Hill; Kavita Mishra; Donna Mazloomdoost; Gena C. Dunivan; Mallika Anand; Saifuddin T. Mama; Katarzyna Bochenska; Christina Lewicky-Gaup; Ethan M. Balk; John DeLancey; Marlene M. Corton; for the Society of Gynecologic Surgeons Pelvic Anatomy Group

A list of standardized terminology for apical pelvic structures was compiled based on a structured literature review.

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219 Bacterial vaginosis and surgical site infections

David E. Soper

Given the prevalence of bacterial vaginosis and the risks associated with operating on a woman with untreated bacterial vaginosis, women undergoing hysterectomy, surgical abortion, and potentially cesarean delivery should be screened for bacterial vaginosis, and those who screen positive should be treated with an appropriate antimicrobial agent.

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Chenxi Cai; Ben Vandermeer; Rshmi Khurana; Kara Nerenberg; Robin Featherstone; Meghan Sebastianski; Margie H. Davenport

Pregnant women who work with heavy lifting and/or prolonged standing or have a heavy physical workload have an increased risk of adverse pregnancy outcomes.



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239 Primary ovarian insufficiency and human papilloma virus vaccines: a review of the current evidence

Mindy S. Christianson; Patricia Wodi; Kawsar Talaat; Neal Halsey

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Mariane N. De Nadai; Omero B. Poli-Neto; Silvio A. Franceschini; Ercilene M. M. Yamaguti; Ilza M. U. Monteiro; Julia K. Troncon; Cassia R. T. Juliato; Laura F. Santana; Luis Bahamondes; Carolina Sales Vieira
A 3.6-mL 2% lidocaine intracervical block decreased pain at tenaculum placement and levonorgestrel-releasing intrauterine system insertion among nulligravidas.

247 Can postpartum pelvic floor muscle training reduce urinary and anal incontinence?: An assessor-blinded randomized controlled trial

Thorgerdur Sigurdardottir; Thora Steingrimsdottir; Reynir T. Geirsson; Thorhallur I. Halldorsson; Thor Aspelund; Kari Bø

Postpartum pelvic floor muscle training reduced urinary incontinence, improved bladder-related bother and increased pelvic floor muscle strength and endurance in the short term.

249 Incidence of adverse events in minimally invasive vs open radical hysterectomy in early cervical cancer: results of a randomized controlled trial

Andreas Obermair; Rebecca Asher; Rene Pareja; Michael Frumovitz; Aldo Lopez; Renato Moretti-Marques; Gabriel Rendon; Reitan Ribeiro; Audrey Tsunoda; Vanessa Behan; Alessandro Buda; Marcus Q. Bernadini; Hongqin Zhao; Marcelo Vieira; Joan Walker; Nick M. Spirtos; Shuzhong Yao; Naven Chetty; Tao Zhu; David Isla; Mariano Tamura; James Nicklin; Kristy P. Robledo; Val Gebiski; Robert L. Coleman; Gloria Salvo; Pedro T. Ramirez

There is no difference in the overall incidence of adverse events after minimally invasive radical vs open radical hysterectomy for early cervical cancer.

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Natalie C. Stentz; Nathanael Koelper; Kurt T. Barnhart; Mary D. Sammel; Suneeta Senapati

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253 Colposcopic and histopathologic evaluation of women with HPV persistence exiting an organized screening program

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257 Dairy consumption during adolescence and endometriosis risk

James L. Nodler; Holly R. Harris; Jorge E. Chavarro; A. Lindsay Frazier; Stacey A. Missmer

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John R. Barton; Doug A. Woelkers; Roger B. Newman; C. Andrew Combs; Helen Y. How; Kim A. Boggess; James N. Martin Jr; Kenneth Kupfer; Baha M. Sibai; for the PETRA (Preeclampsia Triage by Rapid Assay) Trial

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Abdominal cerclage was demonstrated to be superior to low vaginal cerclage in women with previous failed cerclage in the prevention of early preterm birth (<32 weeks of gestation) and fetal loss.

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 This document was developed jointly by the American College of Obstetricians and Gynecologists; and the Society for Maternal-Fetal Medicine in collaboration with Torri D. Metz; Rana Snipe Berry; Ruth C. Fretts; Uma M. Reddy; Mark A. Turrentine

CORRECTION

- 275** **October 2015 (vol. 213, no. 4, pages 508.e7 and 508.e9)**
 An additional statement and citation are added to an October 2015 article on postpartum contraceptive use after a recent preterm birth.

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Y. Lévy, J.D. Lelièvre, L. Assoumou, E. Aznar, F. Pulido, G. Tambussi, M. Crespo, A. Meybeck, J.M. Molina, C. Delaugerre, J. Izopet, G. Peytavin, F. Cardon, A. Diallo, R. Lancar, L. Béniguel, and D. Costagliola

This randomized trial evaluates whether there is a benefit of adding maraviroc, an antiretroviral drug with immunologic effects, to standard combined antiretroviral therapy for patients with advanced disease at HIV diagnosis.

Poxvirus Vectored Cytomegalovirus Vaccine to Prevent Cytomegalovirus Viremia in Transplant Recipients. A Phase 2, Randomized Clinical Trial 306

I. Aldoss, C. La Rosa, L.R. Baden, J. Longmate, E.J. Ariza-Heredia, W.N. Rida, C.R. Lingaraju, Q. Zhou, J. Martinez, T. Kaltcheva, A. Dagis, N. Hardwick, N.C. Issa, L. Farol, A. Nademanee, M.M. Al Malki, S. Forman, R. Nakamura, and D.J. Diamond
Reactivation of latent cytomegalovirus (CMV) in CMV-seropositive recipients of allogeneic stem cell transplant (HCT) is associated with increased morbidity and mortality after HCT. There is an unmet need for a durable approach to suppressing both early and late CMV reactivation and its sequelae. The objective of this multicenter, double-blind, randomized, placebo-controlled, phase 2 trial was to evaluate the safety and efficacy of a poxvirus vectored CMV vaccine to prevent CMV viremia in recipients of HCT.

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Sitters as a Patient Safety Strategy to Reduce Hospital Falls. A Systematic Review 317

A.M. Greeley, E.P. Tanner, S. Mak, M.M. Begashaw, I.M. Mlake-Lye, and P.G. Shekelle

This systematic review examines 20 studies that evaluated whether adding sitters to usual care or using alternatives to sitters (such as video monitors or close observation units) reduced falls in adult patients on general wards of acute care hospitals.

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The Management of Chronic Insomnia Disorder and Obstructive Sleep Apnea: Synopsis of the 2019 U.S. Department of Veterans Affairs and U.S. Department of Defense Clinical Practice Guidelines 325

V. Mysliwiec, J.L. Martin, C.S. Ulmer, S. Chowdhuri, M.S. Brock, C. Spevak, and J. Sall

This synopsis of a 2019 clinical practice guideline from the U.S. Department of Veterans Affairs and the U.S. Department of Defense addresses management of chronic insomnia disorder and obstructive sleep apnea.

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Recommended Adult Immunization Schedule, United States, 2020 337

M. Freedman, A. Kroger, P. Hunter, and K.A. Ault

This article provides immunization recommendations from the Advisory Committee on Immunization Practices (ACIP) for adults aged 19 years or older. The ACIP-recommended use of each vaccine is determined after in-depth reviews of vaccine-related data, such as the epidemiology and burden of the vaccine-preventable disease, vaccine efficacy and effectiveness, vaccine safety, the quality of evidence, feasibility of program implementation, and economic analyses of immunization policy.

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A. Sarpatwari, A.K. LaPidus, and A.S. Kesselheim

The high cost of many prescription drugs has renewed calls for policies to ensure that taxpayers' financial contributions to drug development are factored into price setting. The authors discuss lessons learned from a previous effort and how it may inform current discussions.

Firearm Storage Maps: A Pragmatic Approach to Reduce Firearm Suicide During Times of Risk 351

T. Kelly, S. Brandspigel, E. Polzer, and M.E. Betz

Preventing firearm-related injury and death requires pragmatic, community-based solutions. The authors describe their initial experiences developing a statewide map of locations where firearms may be temporarily stored away from the home when needed for safety.

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Dietary Assessment and Opportunities to Enhance Nutritional Epidemiology Evidence 354

R.L. Prentice

Current evidence about nutrition and health is largely from observational studies. A reliance on observational studies may be justified given the many important hypotheses related to the health benefits and risks of foods, nutrients, and dietary patterns, and the cost and logistic challenges of carrying out long-term randomized controlled dietary intervention trials to test such hypotheses. This commentary argues that among the many limitations of observational nutrition studies, measurement error is one of the most serious yet often ignored.

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The Challenge of Reducing Patient Falls in Hospitals 356

C.C. Schubert

Greeley and colleagues' systematic review highlighted the paucity of evidence on the effectiveness of sitters and alternatives to sitters in preventing falls among patients in acute care hospitals. The editorialist discusses the findings and argues that, for acute care hospitals to be truly effective at keeping patients safe from events, such as falls, we need to make the entire health system more age-friendly.

Narrowing Vaccination Exemption Laws: Lessons From California and Beyond 358

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Delamater and colleagues projected the percentage of California schoolchildren with a vaccination exemption under 3 scenarios: California law as it has stood since the 2015 passage of Senate Bill 277, which permits medical but not personal belief exemptions; the law as amended by Senate Bill 276, an attempt to tighten the circumstances for medical exemptions; and a hypothetical world in which neither law was implemented. The editorialist discusses the findings and proposes 5 provisions that laws narrowing vaccination exemptions should include.

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Adverse Effects of Low-Dose Methotrexate. A Randomized Trial 369

D.H. Solomon, R.J. Glynn, E.W. Karlson, F. Lu, C. Corrigan, J. Colls, C. Xu, J. MacFadyen, M. Barbhaiya, N. Berliner, P.F. Dellaripa, B.M. Everett, A.D. Pradhan, S.P. Hammond, M. Murray, D.A. Rao, S.Y. Ritter, A. Rutherford, J.A. Sparks, J. Stratton, D.H. Suh, S.K. Tedeschi, K.M.M. Vanni, N.P. Paynter, and P.M. Ridker

Although low-dose methotrexate is commonly used for the treatment of rheumatic diseases, data regarding potential adverse events are limited. This article reports the results of a rigorous, prospective evaluation of adverse events occurring with the use of low-dose methotrexate in a randomized, placebo-controlled trial.

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X. García-Albéniz, M.A. Hernán, R.W. Logan, M. Price, K. Armstrong, and J. Hsu

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L.M. Powell, J. Leider, and P.T. Léger

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K.K. Kondo, B.J. Morasco, S.M. Nugent, C.K. Ayers, M.E. O'Neil, M. Freeman, and D. Kansagara

Among regular users, cannabis may lead to physiologic dependence with withdrawal symptoms, but currently no pharmacotherapies have been approved by the U.S. Food and Drug Administration for treating cannabis use disorder (CUD). This article provides evidence from a systematic review of randomized trials of pharmacologic therapies used off-label to treat CUD in adults and adolescents.

Pharmacologic Therapies in Patients With Exacerbation of Chronic Obstructive Pulmonary Disease. A Systematic Review With Meta-analysis 413

C.C. Dobler, A.S. Morrow, B. Beuschel, M.H. Farah, A.M. Majzoub, M.E. Wilson, B. Hasan, M.O. Seisa, L. Daraz, L.J. Prokop, M.H. Murad, and Z. Wang

Several pharmacologic therapies are available to treat exacerbations of chronic obstructive pulmonary disease. This systematic review of 68 trials examines the comparative effectiveness and harms of those therapies.

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V.K. Rathi, J.M. McWilliams, and E.T. Roberts

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In their article, Solomon and colleagues reported prespecified safety analyses comparing adverse events in users of low-dose methotrexate plus folic acid compared with those randomly assigned to placebo using data from the Cardiovascular Inflammation Reduction Trial. The editorialist discusses the implications of the findings for monitoring patients with rheumatic diseases treated with low-dose methotrexate.

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Health Affairs

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Photograph by AP Photo/Andrew Harnik

Media engagement: Former health and human services secretary Kathleen Sebelius speaks with reporters outside the Supreme Court in Washington, D.C., in March 2015. See Entry Point, page 367.

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Health Policy Briefs provide clear, accessible overviews of timely and important health policy topics. The peer-reviewed briefs explore competing arguments and point out relevant research. Health Policy Briefs are produced under a partnership of *Health Affairs* with the generous support of the Robert Wood Johnson Foundation.

CULTURE OF HEALTH

Precarious Work Schedules And Population Health

Kristen Harknett and Daniel Schneider | February 13, 2020



Illustration by Brett Ryder

Narrative Matters A patient and student with severe asthma chases adequate insurance coverage until the Affordable Care Act provides something more.

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Decade

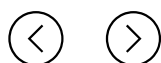
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March 3; 323 (9): 809-902. Theme: Drug Pricing

**March 3, 2020, Vol 323, No. 9, Pages 809-902 | Drug Pricing**

In This Issue of JAMA

Audio Highlights

[Abstract](#) | [Full Text](#)**FREE****ONLINE ONLY**

JAMA. 2020;323(9):e200011. doi:10.1001/jama.2020.0011

**Audio Summary:** Drug Pricing Theme Issue: Is Pharma Earning Too Much?, R&D Costs Required to Bring a New Drug to Market, Probiotic Safety, and more

Original Investigation

Profitability of Large Pharmaceutical Companies Compared With Other Large Public Companies

Fred D. Ledley, MD; Sarah Shonka McCoy, PhD; Gregory Vaughan, PhD; et al.

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

CME

JAMA. 2020;323(9):834-843. doi:10.1001/jama.2020.0442

This study uses data from annual financial reports to compare the profitability of large pharmaceutical companies vs other large companies in the S&P 500 Index from 2000 to 2018, measured via gross profit; earnings before interest, taxes, depreciation, and amortization; and net income (earnings).

Editorial

Affording Medicines for Today's Patients and Sustaining Innovation for Tomorrow

Kenneth C. Frazier, JD

Are Pharmaceutical Companies Earning Too Much?

David M. Cutler, PhD

Relentless Prescription Drug Price Increases

Chaarushena Deb; Gregory Curfman, MD

Estimated Research and Development Investment Needed to Bring a New Medicine to Market, 2009-2018

Olivier J. Wouters, PhD; Martin McKee, MD, DSc; Jeroen Luyten, PhD

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

 CME JAMA. 2020;323(9):844-853. doi:10.1001/jama.2020.1166

This study uses publicly available data to analyze research and development spending to win FDA approval and bring new drugs to market between 2009 and 2018.

Editorial

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Relentless Prescription Drug Price Increases

Chaarushena Deb; Gregory Curfman, MD

Changes in List Prices, Net Prices, and Discounts for Branded Drugs in the US, 2007-2018

Inmaculada Hernandez, PharmD, PhD; Alvaro San-Juan-Rodriguez, PharmD; Chester B. Good, MD, MPH; et al.

Abstract | **Full Text**

JAMA. 2020;323(9):854-862. doi:10.1001/jama.2020.1012

This study describes changes in list prices, net prices, and discounts for branded pharmaceutical products in the US between 2007 and 2018 and estimates the extent to which list price increases were offset by increases in discounts.

Editorial

Affording Medicines for Today's Patients and Sustaining Innovation for Tomorrow

Kenneth C. Frazier, JD

Relentless Prescription Drug Price Increases

Chaarushena Deb; Gregory Curfman, MD

US Health Care Spending by Payer and Health Condition, 1996-2016

Joseph L. Dieleman, PhD; Jackie Cao, MS; Abby Chapin, BA; et al.

Abstract | **Full Text**

 CME JAMA. 2020;323(9):863-884. doi:10.1001/jama.2020.0734

This study estimates health care spending for the most common health conditions in the United States, including low back pain and musculoskeletal disorders, diabetes, and ischemic heart disease, between 1996 and 2016.

Advertisement

Research Letter

Sponsorship and Funding for Gene Therapy Trials in the United States

Zachary Kassir, BA; Ameet Sarpatwari, PhD, JD; Brian Kocak, BS; et al.

Abstract | **Full Text**

JAMA. 2020;323(9):890-891. doi:10.1001/jama.2019.22214

This study characterizes government, academia, and private funding for gene therapy trials in the United States by technology type and therapeutic and disease area.

Viewpoint

Drug Shortages in the United States: Are Some Prices Too Low?

Inmaculada Hernandez, PharmD, PhD; Tina Batra Hershey, JD, MPH; Julie M. Donohue, PhD

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

JAMA. 2020;323(9):819-820. doi:10.1001/jama.2019.20504

This Viewpoint discusses underlying causes of generic drug shortages in the United States and proposes solutions to address those shortages, including financial incentives for manufacturers that provide a steady supply of high-quality products.

Expanding Access and Reducing Prices for Drugs to Prevent HIV: Should Government Enforce Its Patent Rights Against the Pharmaceutical Industry?

Lawrence O. Gostin, JD; Arti K. Rai, JD

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

JAMA. 2020;323(9):821-822. doi:10.1001/jama.2019.22357

This Viewpoint considers the lawsuit *United States v Gilead Sciences* in the context of intellectual property rights and the patents held on medications for preexposure prophylaxis (PrEP) for HIV infection, leading to a trade-off between affordability and future pharmaceutical collaboration and innovation.

The Probiotic Conundrum: Regulatory Confusion, Conflicting Studies, and Safety Concerns

Stephen B. Freedman, MDCM, MSc; David Schnadower, MD, MPH; Phillip I. Tarr, MD

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

JAMA. 2020;323(9):823-824. doi:10.1001/jama.2019.22268

This Viewpoint characterizes reasons for the lack of evidence about the health effects of probiotic supplements and cautions against a “can’t hurt, can’t help” presumption made by consumers and clinicians.

A Piece of My Mind

The Secret About Achieving Your Dreams

Adam Philip Stern, MD

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

JAMA. 2020;323(9):825. doi:10.1001/jama.2020.1033

In this narrative medicine essay, a 35-year-old psychiatrist reflects on his dreams in childhood, as an academic, and as a parent of a young child as he faces his own mortality.

Editorial

Relentless Prescription Drug Price Increases

Chaarushena Deb; Gregory Curfman, MD

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

JAMA. 2020;323(9):826-828. doi:10.1001/jama.2020.0359

Are Pharmaceutical Companies Earning Too Much?

David M. Cutler, PhD

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

JAMA. 2020;323(9):829-830. doi:10.1001/jama.2020.0351

Affording Medicines for Today’s Patients and Sustaining Innovation for Tomorrow

Kenneth C. Frazier, JD

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

JAMA. 2020;323(9):831-833. doi:10.1001/jama.2020.0167

JAMA Clinical Guidelines Synopsis

Diagnosis and Treatment of Adults With Community-Acquired Pneumonia

Gregory Olson, MD; Andrew M. Davis, MD, MPH

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

JAMA. 2020;323(9):885-886. doi:10.1001/jama.2019.21118

This JAMA Guidelines Synopsis summarizes the American Thoracic Society (ATS)/Infectious Diseases Society of America (IDSA) 2019 recommendations on diagnosis and treatment of adults with community-acquired pneumonia.

From The Medical Letter on Drugs and Therapeutics

Corticosteroids in Community-Acquired Pneumonia

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

JAMA. 2020;323(9):887-888. doi:10.1001/jama.2020.0216

This Medical Letter review summarizes evidence underlying American Thoracic Society and Infectious Diseases Society of America guideline recommendations on the use of corticosteroids as an adjunct to antimicrobials for the treatment of community-acquired pneumonia

Medical News & Perspectives

Rebates—The Little-Known Factor Behind Increasing Drug List Prices

Rita Rubin, MA

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

JAMA. 2020;323(9):812-813. doi:10.1001/jama.2020.1208

This Medical News story examines the role of rebates in drug pricing.

News From the Food and Drug Administration

FDA Policies Address Development of Gene Therapies

Rebecca Voelker, MSJ

Abstract | **Full Text**

JAMA. 2020;323(9):817. doi:10.1001/jama.2020.1784

New Nonsurgical Option Approved for Thyroid Eye Disease

Rebecca Voelker, MSJ

Abstract | **Full Text**

JAMA. 2020;323(9):817. doi:10.1001/jama.2020.1480

Drug Approved to Aid Youths With Peanut Allergy

Rebecca Voelker, MSJ

Abstract | **Full Text**

JAMA. 2020;323(9):817. doi:10.1001/jama.2020.1785

The JAMA Forum

Rising Prices and Health Care “Empires”

Andrew B. Bindman, MD

Abstract | **Full Text**

FREE JAMA. 2020;323(9):815-816. doi:10.1001/jama.2020.1370

Bench to Bedside

New Insight on Preventing EGFR Inhibitor-Induced Adverse Effects

Tracy Hampton, PhD

Abstract | **Full Text**

JAMA. 2020;323(9):814. doi:10.1001/jama.2020.0812

Poetry and Medicine

After a Long Illness

Judith Harris

Abstract | **Full Text**

JAMA. 2020;323(9):897. doi:10.1001/jama.2019.21841

JAMA Revisited

Toxics

Abstract | **Full Text**

JAMA. 2020;323(9):898. doi:10.1001/jama.2019.13334

JAMA Patient Page

"Surprise" Out-of-Network Medical Bills

Karan R. Chhabra, MD, MSc; Justin B. Dimick, MD, MPH

Abstract | **Full Text**

FREE JAMA. 2020;323(9):902. doi:10.1001/jama.2020.0847

This JAMA Patient Page discusses the issue of surprise medical bills and what steps patients can take to protect themselves from receiving them.

Comment & Response

Strategies to Avoid Extubation Failure Among ICU Patients

Wataru Matsuda, MD

Abstract | **Full Text**

JAMA. 2020;323(9):891-892. doi:10.1001/jama.2019.21951

Strategies to Avoid Extubation Failure Among ICU Patients—Reply

Arnaud W. Thille, MD, PhD; Stéphanie Ragot, PharmD, PhD; Jean-Pierre Frat, MD

Abstract | **Full Text**

JAMA. 2020;323(9):892-893. doi:10.1001/jama.2019.21954

Informed Consent for Stem Cell-Based Interventions

Zubin Master, PhD; Cambray Smith, BS; Jon C. Tilburt, MD, MPH

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

JAMA. 2020;323(9):893. doi:10.1001/jama.2019.22238

Informed Consent for Stem Cell-Based Interventions—Reply

R. Alta Charo, JD; Roger A. Barker, MRCP, PhD; Jeremy Sugarman, MD, MPH, MA

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

JAMA. 2020;323(9):894. doi:10.1001/jama.2019.22271

Wasteful Health Care Spending in the United States

Edward W. Martin, MD, MPH; John B. Murphy, MD; Richard W. Besdine, MD

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

JAMA. 2020;323(9):894-895. doi:10.1001/jama.2019.22252

Wasteful Health Care Spending in the United States

John W. Urwin, MD; Peter J. Pronovost, MD, PhD; Amol S. Navathe, MD, PhD

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

JAMA. 2020;323(9):895. doi:10.1001/jama.2019.22255

Wasteful Health Care Spending in the United States—Reply

William H. Shrank, MD, MSHS; Natasha Parekh, MD, MS

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

JAMA. 2020;323(9):895-896. doi:10.1001/jama.2019.22265

Correction

Incorrect Wording

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

FREE JAMA. 2020;323(9):896. doi:10.1001/jama.2020.1367

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Issue

March 10; 323 (10): 909-1008

**March 10, 2020, Vol 323, No. 10, Pages 909-1008**

In This Issue of JAMA

Audio Highlights

[Abstract](#) | [Full Text](#)**FREE****ONLINE ONLY**

JAMA. 2020;323(10):e200012. doi:10.1001/jama.2020.0012

**Audio Summary:** Permissive Hypotension in ICU Patients, POLST and ICU Admissions, USPSTF HCV Screening Recommendations, and more

Original Investigation

Caring for the Critically Ill Patient

Effect of Reduced Exposure to Vasopressors on 90-Day Mortality in Older Critically Ill Patients With Vasodilatory Hypotension: A Randomized Clinical Trial

François Lamontagne, MD; Alvin Richards-Belle, BSc; Karen Thomas, MSc; et al.

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):938-949. doi:10.1001/jama.2020.0930

This randomized clinical trial compares the effect of vasopressors guided by a mean arterial pressure (MAP) target of 60 to 65 mm Hg with a MAP level determined by the treating physician on 90-day mortality among critically ill older patients with vasodilatory hypotension.

Editorial

Choosing the Best Blood Pressure Target for Vasopressor Therapy

John C. Marshall, MD

Caring for the Critically Ill Patient

Association of Physician Orders for Life-Sustaining Treatment With ICU Admission Among Patients Hospitalized Near the End of Life

Robert Y. Lee, MD, MS; Lyndia C. Brumback, PhD; Seelwan Sathitratanaheewin, MD; et al.

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

CME

*JAMA*. 2020;323(10):950-960. doi:10.1001/jama.2019.22523

This cohort study uses electronic health record (EHR) data to evaluate the association between Physician Orders for Life-Sustaining Treatment (POLST) and intensive care unit (ICU) admission and the incidence of and risk factors for POLST-discordant intensive care among adult patients hospitalized 6 months or less before death.

Editorial

Physician Orders for Life-Sustaining Treatment and Limiting Overtreatment at the End of Life

Robert D. Truog, MD, MA; Terri R. Fried, MD

Mortality and Hospitalizations for Dually Enrolled and Nondually Enrolled Medicare Beneficiaries Aged 65 Years or Older, 2004 to 2017

Rishi K. Wadhera, MD, MPP, MPhil; Yun Wang, PhD; Jose F. Figueroa, MD, MPH; et al.

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

JAMA. 2020;323(10):961-969. doi:10.1001/jama.2020.1021

This population epidemiology study compares annual changes in all-cause mortality, hospitalization rates, and hospitalization-related mortality among beneficiaries aged 65 years or older dually enrolled in Medicare fee-for-service and Medicaid vs those nondually enrolled (Medicare only).

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Research Letter

Prevalence of Pathogenic Variants in Cancer Susceptibility Genes Among Women With Postmenopausal Breast Cancer

Allison W. Kurian, MD, MSc; Ryan Bernhisel, MStat; Katie Larson, MS; et al.

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

JAMA. 2020;323(10):995-997. doi:10.1001/jama.2020.0229

This study uses Women's Health Initiative data to compare the prevalence of pathogenic variants (PVs) in breast cancer susceptibility genes in postmenopausal women with vs without breast cancer to guide decisions about who should undergo PV testing.

US Preventive Services Task Force

Recommendation Statement

Screening for Hepatitis C Virus Infection in Adolescents and Adults: US Preventive Services Task Force Recommendation Statement

US Preventive Services Task Force

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

JAMA. 2020;323(10):970-975. doi:10.1001/jama.2020.1123

This 2020 Recommendation Statement from the US Preventive Services Task Force recommends screening for hepatitis C virus infection in adults aged 18 to 79 years (B recommendation).



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Editorial

USPSTF's Hepatitis C Screening Recommendation—A Necessary Step to Tackling an Evolving Epidemic

Eli S. Rosenberg, PhD; Joshua A. Barocas, MD



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Universal Screening for Hepatitis C Virus Infection: A Step Toward Elimination

Camilla S. Graham, MD, MPH; Stacey Trooskin, MD, PhD



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Evidence Report

Screening for Hepatitis C Virus Infection in Adolescents and Adults: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force

Roger Chou, MD; Tracy Dana, MLS; Rongwei Fu, PhD; et al.

Abstract | **Full Text**

FREE



JAMA. 2020;323(10):976-991. doi:10.1001/jama.2019.20788

This systematic review to support the 2020 US Preventive Services Task Force Recommendation Statement on screening for hepatitis C virus (HCV) infection summarizes published evidence on the benefits and harms of HCV screening and treatment in adolescents and adults.



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Editorial

USPSTF's Hepatitis C Screening Recommendation—A Necessary Step to Tackling an Evolving Epidemic

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Camilla S. Graham, MD, MPH; Stacey Trooskin, MD, PhD



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Viewpoint

Potential Consequences of Changing Disease Classifications

Jenny A. Doust, BMBS, PhD, FRACGP; Katy J. L. Bell, MbChB, MMed (Clin Epi), PhD; Paul P. Glasziou, MBBS, PhD, MRCGP, FRACGP

Abstract | **Full Text**

 JAMA. 2020;323(10):921-922. doi:10.1001/jama.2019.22373

This Viewpoint discusses the potential harms that can emerge from changing disease classifications, generally to broaden criteria for diagnosing greater numbers of patients, and calls for a balanced and systematic evaluation of the benefits and risks of shifting illness thresholds before formalizing changes.



Audio Interview: Potential Consequences of Changing Disease Classifications

Clarifying the Language of Clinician Distress

Wendy Dean, MD; Simon G. Talbot, MD; Arthur Caplan, PhD

Abstract | **Full Text**

JAMA. 2020;323(10):923-924. doi:10.1001/jama.2019.21576

This Viewpoint argues that *moral dilemma*, *moral distress*, and *moral injury* more accurately and etiologically characterize what most people refer to as physician *burnout*, and proposes that this reconception can lead to more effective prevention strategies and targeted solutions to address physician stress, frustration, dissatisfaction, and depression.

The Need to Incorporate Additional Patient Information Into Risk Adjustment for Medicare Beneficiaries

Kenton J. Johnston, PhD; Julie P. W. Bynum, MD, MPH; Karen E. Joynt Maddox, MD, MPH

Abstract | **Full Text**

JAMA. 2020;323(10):925-926. doi:10.1001/jama.2019.22370

This Viewpoint discusses concern that current risk adjustment models used by CMS to tie payment to performance do not account for dementia, frailty, and social risk, and proposes ways to add reliable measures of each to the agency's CMS-HCC model to more equitably reimburse clinicians and facilities caring for patients with challenging conditions.

Homeless Special Needs Plans for People Experiencing Homelessness

Sachin H. Jain, MD, MBA; John Baackes; James J. O'Connell, MD

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

JAMA. 2020;323(10):927-928. doi:10.1001/jama.2019.22376

This Viewpoint proposes the creation of a homelessness-focused special needs plan, a Medicare Advantage insurance plan aimed at meeting the unique care needs of specific populations, to help offer the intensive case management and care coordination necessary for providing health care to homeless individuals.

A Piece of My Mind

Trauma Surgery

Peter L. Loper Jr, MD

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

JAMA. 2020;323(10):929-930. doi:10.1001/jama.2020.1331

In this narrative medicine essay a psychiatrist finds parallels between his attempts to locate the source of a patient's psychological trauma and those of trauma surgeons opening up patients to reveal their injuries and shares how a successful connection heals both doctor and patient.

Editorial

Choosing the Best Blood Pressure Target for Vasopressor Therapy

John C. Marshall, MD

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

JAMA. 2020;323(10):931-933. doi:10.1001/jama.2019.22526

Physician Orders for Life-Sustaining Treatment and Limiting Overtreatment at the End of Life

Robert D. Truog, MD, MA; Terri R. Fried, MD

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

JAMA. 2020;323(10):934-935. doi:10.1001/jama.2019.22522

Universal Screening for Hepatitis C Virus Infection: A Step Toward Elimination

Camilla S. Graham, MD, MPH; Stacey Trooskin, MD, PhD

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

 JAMA. 2020;323(10):936-937. doi:10.1001/jama.2019.22313



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Editorial

USPSTF's Hepatitis C Screening Recommendation—A Necessary Step to Tackling an Evolving Epidemic

Eli S. Rosenberg, PhD; Joshua A. Barocas, MD



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

JAMA Diagnostic Test Interpretation

Diagnostic Testing for Acute Hepatitis

Adam E. Mikolajczyk, MD; Nakia L. Chung, MD, PhD

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

 CME JAMA. 2020;323(10):992-993. doi:10.1001/jama.2019.21895

An 18-year-old man who recently emigrated from India presented with fever, malaise, and anorexia for 4 days. He was afebrile with scleral icterus and a palpable liver edge; had a white blood cell count of $3.9 \times 10^3/\mu\text{L}$ with elevations in total and direct bilirubin, alkaline phosphatase, and liver

enzymes; and laboratory test results were positive for HBsAg and HBV core IgG. What is the cause of his hepatitis, and what would you do next?

Medical News & Perspectives

Discussing the ABCs of Health Security—Antibiotic Resistance, Biothreats, and Coronavirus

Angel N. Desai, MD, MPH

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

FREE   JAMA. 2020;323(10):912-914. doi:10.1001/jama.2019.21022

In this Medical News article, Tom Inglesby, MD, director of the Center for Health Security at the Johns Hopkins Bloomberg School of Public Health, speaks about natural and deliberate biological threats to US national security.



Audio: Coronavirus and Beyond: Responding to Biological Threats

The JAMA Forum

Measles as Metaphor—What Resurgence Means for the Future of Immunization

Howard K. Koh, MD, MPH; Bruce G. Gellin, MD, MPH

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

FREE JAMA. 2020;323(10):914-915. doi:10.1001/jama.2020.1372

Editorial

Outbreaks of Vaccine-Preventable Diseases: Responding to System Failure With National Vaccination Requirements

Matthew M. Davis, MD, MAPP; Seema K. Shah, JD

News From the Centers for Disease Control and Prevention

US Zika-Related Birth Defects in High-Transmission Areas

Bridget M. Kuehn, MSJ

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):917. doi:10.1001/jama.2020.1934

Rising Emergency Department Visits for Suicidal Ideation and Self-harm

Bridget M. Kuehn, MSJ

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):917. doi:10.1001/jama.2020.1596

Biotech Innovations

CAR Natural Killer Cell Therapy Safe and Effective in First Trial

Jennifer Abbasi

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):916. doi:10.1001/jama.2020.1940

Oral Injections Tested in Proof-of-Concept Trial

Jennifer Abbasi

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):916. doi:10.1001/jama.2020.1740

23andMe Develops First Drug Compound Using Consumer Data

Jennifer Abbasi

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):916. doi:10.1001/jama.2020.2238

Poetry and Medicine

Prognosis

Judith Harris

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):1003. doi:10.1001/jama.2019.21997

JAMA Revisited

Alcohol and School Physiologies

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

JAMA. 2020;323(10):1004. doi:10.1001/jama.2019.13345

JAMA Patient Page

Screening for Hepatitis C Virus Infection

Jill Jin, MD, MPH

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

  JAMA. 2020;323(10):1008. doi:10.1001/jama.2020.1761

This JAMA Patient Page describes the recent USPSTF recommendations on screening for hepatitis C virus infection in adults.



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Editorial

USPSTF's Hepatitis C Screening Recommendation—A Necessary Step to Tackling an Evolving Epidemic

Eli S. Rosenberg, PhD; Joshua A. Barocas, MD



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Universal Screening for Hepatitis C Virus Infection: A Step Toward Elimination

Camilla S. Graham, MD, MPH; Stacey Trooskin, MD, PhD



Audio Interview: USPSTF Recommendation: Screening for Hepatitis C Virus Infection in Adolescents and Adults

Comment & Response

Prophylaxis Against Invasive Fungal Disease for Neutropenic Children and Young Adults

Dylan W. de Lange, MD, PhD; Roger J. M. Brüggemann, PharmD

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):997-998. doi:10.1001/jama.2020.0172

Prophylaxis Against Invasive Fungal Disease for Neutropenic Children and Young Adults—Reply

Brian T. Fisher, DO, MSCE, MPH; Lillian Sung, MD, PhD

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):998-999. doi:10.1001/jama.2020.0175

Radiation Oncology Alternative Payment Model

Trevor J. Royce, MD, MS, MPH; Nikhil G. Thaker, MD; Ankit Agarwal, MD, MBA

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):999. doi:10.1001/jama.2020.0400

Radiation Oncology Alternative Payment Model—Reply

David H. Howard, PhD; Mylin A. Torres, MD

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):999-1000. doi:10.1001/jama.2020.0403

Dissenting Opinions in Nutrition Research

Bonnie F. Liebman, MS

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):1000. doi:10.1001/jama.2020.0490

Dissenting Opinions in Nutrition Research—Reply

John P. A. Ioannidis, MD, DSc

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(10):1000-1001. doi:10.1001/jama.2020.0491

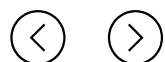
Correction

Data Errors in Table 3 and Figure 1

[Abstract](#) | [Full Text](#)**FREE** JAMA. 2020;323(10):1001. doi:10.1001/jama.2020.1316

JAMA Masthead

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Latest from the USPSTF

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March 17; 323 (11): 1021-1104

**March 17, 2020, Vol 323, No. 11, Pages 1021-1104**

In This Issue of JAMA

Audio Highlights

[Abstract](#) | [Full Text](#)**FREE****ONLINE ONLY**

JAMA. 2020;323(11):e200013. doi:10.1001/jama.2020.0013

**Audio Summary:** AI Hypotension Alerts During Surgery, Controversies in Hip Arthroplasty, Low-FODMAP Diet for IBS, and more

Original Investigation

Caring for the Critically Ill Patient

Clinical Characteristics of 138 Hospitalized Patients With 2019 Novel Coronavirus-Infected Pneumonia in Wuhan, China

Dawei Wang, MD; Bo Hu, MD; Chang Hu, MD; et al.

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



JAMA. 2020;323(11):1061-1069. doi:10.1001/jama.2020.1585

This single-center case series describes the demographics, symptoms, laboratory and imaging findings, treatment, and clinical course of 138 patients hospitalized with 2019 novel coronavirus (2019-nCoV)-infected pneumonia (NCIP) in Wuhan, China, highlighting presumed human-to-human hospital-associated transmission in many cases.

**Audio Interview:** COVID-19 Update From China

Editorial

Editorial Concern—Possible Reporting of the Same Patients With COVID-19 in Different Reports

Howard Bauchner, MD; Robert M. Golub, MD; Jody Zylke, MD

Association Between Surgical Approach and Major Surgical Complications in Patients Undergoing Total Hip Arthroplasty

Daniel Pincus, MD, PhD; Richard Jenkinson, MD, MSc; Michael Paterson, MSc; et al.

Abstract | Full Text

JAMA. 2020;323(11):1070-1076. doi:10.1001/jama.2020.0785

This cohort study uses Ontario administrative data to estimate the risk of complications associated with posterior or lateral vs anterior surgical approaches to total hip replacement arthroplasty.

Editorial

Controversies in Hip Arthroplasty: Using Registries to Answer Difficult Questions

Brian R. Hallstrom, MD; Richard E. Hughes, PhD

Association Between Uncemented vs Cemented Hemiarthroplasty and Revision Surgery Among Patients With Hip Fracture

Kanu Okike, MD, MPH; Priscilla H. Chan, MS; Heather A. Prentice, PhD; et al.

Abstract | Full Text

JAMA. 2020;323(11):1077-1084. doi:10.1001/jama.2020.1067

This cohort study compares the rate of aseptic revision among patients with hip fracture undergoing cemented vs uncemented hemiarthroplasty in a large US integrated health care system.

Editorial

Controversies in Hip Arthroplasty: Using Registries to Answer Difficult Questions

Brian R. Hallstrom, MD; Richard E. Hughes, PhD

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Preliminary Communication

Caring for the Critically Ill Patient

Effect of a Machine Learning–Derived Early Warning System for Intraoperative Hypotension vs Standard Care on Depth and Duration of Intraoperative Hypotension During Elective Noncardiac Surgery: The HYPE Randomized Clinical Trial

Marije Wijnberge, MD; Bart F. Geerts, MD, PhD, MSc, MBA; Liselotte Hol, MD; et al.

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

JAMA. 2020;323(11):1052-1060. doi:10.1001/jama.2020.0592

This unblinded randomized trial compares the effect of a machine learning–derived system that uses arterial waveform information to predict cardiovascular decompensation vs standard monitoring by anesthesiologists on the depth and duration of intraoperative hypotension in patients undergoing elective noncardiac surgery.

Editorial

Randomized Clinical Trials of Artificial Intelligence

Derek C. Angus, MD, MPH

Soothsaying and Prescriptive Analysis as a Treatment Algorithm: A Brave New World

Pamela A. Lipsett, MD, MHPE

Research Letter

Epidemiologic and Clinical Characteristics of Novel Coronavirus Infections Involving 13 Patients Outside Wuhan, China

De Chang, MD, PhD; Mingguo Lin, MD; Lai Wei, MD; et al.

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



JAMA. 2020;323(11):1092-1093. doi:10.1001/jama.2020.1623

This case series uses patient hospital data to summarize the clinical presentation and laboratory and imaging findings of 13 patients with confirmed 2019-nCoV infection admitted to hospitals in Beijing in January 2020.



Audio Interview: COVID-19 Update From China

Editorial

Editorial Concern—Possible Reporting of the Same Patients With COVID-19 in Different Reports

Howard Bauchner, MD; Robert M. Golub, MD; Jody Zylke, MD

Return on Investment From Co-locating Tax Assistance for Low-Income Persons at Clinical Sites

Shinelle Black; Sarah Sisco, MPH, MSSW; Tatiana Williams, MBA; et al.

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

JAMA. 2020;323(11):1093-1095. doi:10.1001/jama.2020.0545

This study characterizes net dollars low-income persons received from participation in tax preparation services co-located at clinical sites in New York City intended to maximize credits and reduce poverty.

Viewpoint

The Evolution of Schools of Thought in Medicine: Healthy Tensions

C. David Naylor, MD, DPhil

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

 JAMA. 2020;323(11):1035-1036. doi:10.1001/jama.2020.0748

This Viewpoint reviews the modern evolution of medicine, from William Osler's efforts to systematize practice through evidence-based and precision medicine, and highlights unifying themes in the continued fracturing of scientific approaches to medicine, including the need for medical care to stay patient-centered despite advances in medical science and technology.



Audio Interview: The Evolution of Schools of Thought in Medicine: Healthy Tensions

What Does It Mean to Be a Physician?

Thomas L. Schwenk, MD

Abstract | **Full Text**

JAMA. 2020;323(11):1037-1038. doi:10.1001/jama.2020.0146

This Viewpoint provides a historical perspective on the evolution of the roles and responsibilities of physicians and proposes a response to the trends in dysfunctional health care systems, lifestyle changes that favor distancing from patients, disruptions in care continuity, and expectations that doctors manage social determinants of health that threaten physician identity.

2019 Novel Coronavirus—Important Information for Clinicians

Carlos del Rio, MD; Preeti N. Malani, MD, MSJ

Abstract | **Full Text**

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CME



JAMA. 2020;323(11):1039-1040. doi:10.1001/jama.2020.1490

This Viewpoint summarizes the epidemiology and clinical features of 2019-nCoV infection and reviews CDC criteria to guide evaluation and management of patients with possible infection.



Audio Interview: COVID-19 Update From China



Clinical Review Audio: COVID-19 in Seattle: Clinical Features and Managing the Outbreak



Audio Interview: Coronavirus Testing – March 16 Q&A with the CDC's Jay Butler, MD



Clinical Review Audio: Coronavirus (COVID-19) Update: Early Safety Signals Around Ibuprofen and Renin-Angiotensin Inhibitors

Editorial

Editorial Concern—Possible Reporting of the Same Patients With COVID-19 in Different Reports

Howard Bauchner, MD; Robert M. Golub, MD; Jody Zylke, MD

A Piece of My Mind

How Becoming a Doctor Made Me a Worse Listener

Adeline L. Goss, MD

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

JAMA. 2020;323(11):1041-1042. doi:10.1001/jama.2020.2051

In this narrative medicine essay, a former National Public Radio reporter turned neurologist regrets time and attention she once had to show interest in and learn about people and tells how she's adapted to retain a small measure of that reporter's curiosity in her interactions with patients.

Editorial

Randomized Clinical Trials of Artificial Intelligence

Derek C. Angus, MD, MPH

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

JAMA. 2020;323(11):1043-1045. doi:10.1001/jama.2020.1039

Controversies in Hip Arthroplasty: Using Registries to Answer Difficult Questions

Brian R. Hallstrom, MD; Richard E. Hughes, PhD

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

JAMA. 2020;323(11):1046-1048. doi:10.1001/jama.2020.2274

Health Care Is a Right and Not a Privilege

Howard Bauchner, MD; Phil B. Fontanarosa, MD, MBA

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

JAMA. 2020;323(11):1049. doi:10.1001/jama.2020.0891

Editorial

Health Care in the United States: A Right or a Privilege

Howard Bauchner, MD

A Disclosure Form for Work Submitted to Medical Journals: A Proposal From the International Committee of Medical Journal Editors

Darren B. Taichman, MD, PhD; Joyce Backus, MSLS; Christopher Baethge, MD; et al.

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

FREE JAMA. 2020;323(11):1050-1051. doi:10.1001/jama.2019.22274

JAMA Guide to Statistics and Methods

Explaining Health State Utility Assessment

Eric M. Chang, MD; Christopher S. Saigal, MD, MPH; Ann C. Raldow, MD, MPH

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

JAMA. 2020;323(11):1085-1086. doi:10.1001/jama.2020.0656

This JAMA Guide to Statistics and Methods reviews how health state utility assessment can be used to calculate quality-adjusted life-years, a patient-specific measure of preference for health outcomes that incorporates quantity and quality of life.

JAMA Insights

Clinical Update

Preventing Surgical Site Infections: Looking Beyond the Current Guidelines

Adam C. Fields, MD; Jason C. Pradarelli, MD, MS; Kamal M. F. Itani, MD

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

JAMA. 2020;323(11):1087-1088. doi:10.1001/jama.2019.20830

This JAMA Insights Clinical Update summarizes current guidelines for prevention of surgical site infections and discusses emerging prevention strategies, such as preoperative bowel preparation and negative-pressure wound therapy, that are challenging longstanding surgical practices.

Genomics and Precision Health

Genetic Ancestry Testing: What Is It and Why Is It Important?

Lynn B. Jorde, PhD; Michael J. Bamshad, MD

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

JAMA. 2020;323(11):1089-1090. doi:10.1001/jama.2020.0517

This Genomics and Precision Health article explains how genetic testing is used to identify the probable geographic origins of one's ancestors and how it can aid in risk assessment for some heritable conditions, and summarizes the contexts in which its information provides clinically relevant information.

Medical News & Perspectives

The Low-FODMAP Diet Helps IBS Symptoms, but Questions Remain

Anita Slomski, MA

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

JAMA. 2020;323(11):1029-1031. doi:10.1001/jama.2020.0691

This Medical News article discusses the best studied IBS dietary treatment. There's evidence it works, but its implementation can be tricky and its long-term effects aren't well-known.

News From the Food and Drug Administration

Cardiac Ultrasound Uses Artificial Intelligence to Produce Images

Rebecca Voelker, MSJ

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

JAMA. 2020;323(11):1034. doi:10.1001/jama.2020.2547

FDA Takes on Agricultural Biotech

Rebecca Voelker, MSJ; Rebecca Voelker, MSJ

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JAMA. 2020;323(11):1034. doi:10.1001/jama.2020.2449

Prescription Drugs Switched to OTC

Rebecca Voelker, MSJ

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

JAMA. 2020;323(11):1034. doi:10.1001/jama.2020.2548

The JAMA Forum

How Not to Spend an Opioid Settlement

Joshua M. Sharfstein, MD; Yngvild Olsen, MD, MPH

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FREE JAMA. 2020;323(11):1031-1032. doi:10.1001/jama.2020.1371

Global Health

Hong Kong Unrest Contributes to Increased Mental Health Care Burden

Bridget M. Kuehn, MSJ

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JAMA. 2020;323(11):1033. doi:10.1001/jama.2020.1987

International Measles Vaccination Campaign to Reach Millions

Bridget M. Kuehn, MSJ

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

JAMA. 2020;323(11):1033. doi:10.1001/jama.2020.2493

Guided Self-help Program May Help Refugees in Distress

Bridget M. Kuehn, MSJ

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

JAMA. 2020;323(11):1033. doi:10.1001/jama.2020.2495

Poetry and Medicine

Rupture

Donovan McAbee, MDiv, PhD

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

JAMA. 2020;323(11):1100. doi:10.1001/jama.2020.0067

JAMA Revisited

The Physiologic Significance of a Record Aeroplane Flight

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

JAMA. 2020;323(11):1101. doi:10.1001/jama.2019.13356

JAMA Patient Page

The Pritikin Diet

Zhaoping Li, MD, PhD; David Heber, MD, PhD

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

FREE  JAMA. 2020;323(11):1104. doi:10.1001/jama.2019.21266

This JAMA Patient Page describes the Pritikin diet and its potential benefits and risks.



Clinical Review Audio: Nathan Pritikin and His Diet



Clinical Review Audio: Who Was Nathan Pritikin and Why Is There a Diet Named After Him?

Comment & Response

Measuring vs Estimating LDL-C Levels in a Clinical Trial of Bempedoic Acid

Hua-Guo Xu, MD, PhD; Shiyang Pan, MD, PhD

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

JAMA. 2020;323(11):1095. doi:10.1001/jama.2020.0488

Measuring vs Estimating LDL-C Levels in a Clinical Trial of Bempedoic Acid—Reply

Anne Carol Goldberg, MD; Jeffrey C. Hanselman, MS; P. Barton Duell, MD

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

JAMA. 2020;323(11):1095-1096. doi:10.1001/jama.2020.0489

Bisphosphonates for Osteopenia in Postmenopausal Women

Steven Snyder, MD

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

JAMA. 2020;323(11):1096. doi:10.1001/jama.2020.0602

Bisphosphonates for Osteopenia in Postmenopausal Women—Reply

Kristine E. Ensrud, MD, MPH; Carolyn J. Crandall, MD, MS

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

JAMA. 2020;323(11):1096-1097. doi:10.1001/jama.2020.0605

Treatment of Older Adults With Subclinical Hypothyroidism

Jerome M. Hershman, MD

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

JAMA. 2020;323(11):1097. doi:10.1001/jama.2020.0942

Treatment of Older Adults With Subclinical Hypothyroidism—Reply

Simon P. Mooijaart, MD, PhD; Robert S. Du Puy, MD

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

JAMA. 2020;323(11):1097-1098. doi:10.1001/jama.2020.0948

Correction

Errors in Table 1, Figure 3, and Results Section

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

FREE JAMA. 2020;323(11):1098. doi:10.1001/jama.2020.1950

Errors in Text

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

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FREE JAMA. 2020;323(11):1021-1022. doi:10.1001/jama.2019.13349



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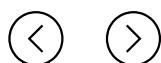
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March 24/31; 323 (12): 1111-1216

**March 24/31, 2020, Vol 323, No. 12, Pages 1111-1216**

In This Issue of JAMA

Audio Highlights

[Abstract](#) | [Full Text](#)**FREE****ONLINE ONLY**

JAMA. 2020;323(12):e200014. doi:10.1001/jama.2020.0014

**Audio Summary:** Daily Step Count and Mortality, Diet Quality in Children and Adolescents, Review of NASH, and more

Original Investigation

Diagnostic Yield of Newborn Screening for Biliary Atresia Using Direct or Conjugated Bilirubin Measurements

Sanjiv Harpavat, MD, PhD; Joseph A. Garcia-Prats, MD; Carlos Anaya, MD; et al.

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

JAMA. 2020;323(12):1141-1150. doi:10.1001/jama.2020.0837

This cross-sectional study characterizes the diagnostic accuracy of direct or conjugated bilirubin measurements for identifying newborns with biliary atresia and the associations between screening and age of therapeutic surgery.

Editorial

Newborn Screening for Biliary Atresia

Richard A. Schreiber, MDCM

Association of Daily Step Count and Step Intensity With Mortality Among US Adults

Pedro F. Saint-Maurice, PhD; Richard P. Troiano, PhD; David R. Bassett Jr, PhD; et al.

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

JAMA. 2020;323(12):1151-1160. doi:10.1001/jama.2020.1382

This study uses National Health and Nutrition Examination Survey data to examine the dose-response relationships between step count (steps/d) and step intensity (steps/min) and mortality in a representative sample of US adults aged 40 years or older.

Trends in Diet Quality Among Youth in the United States, 1999-2016

Junxiu Liu, PhD; Colin D. Rehm, PhD; Jennifer Onopa, RD, MS; et al.

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

JAMA. 2020;323(12):1161-1174. doi:10.1001/jama.2020.0878

This national survey study uses NHANES data to characterize trends in diet quality among US youth aged 2 to 19 years between 1999 and 2016.

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Research Letter

Medical Exemption From Disconnection of Utilities in Connecticut

Peter A. Kahn, MD, MPH, ThM; Krishna R. Daggula, MS; Wei Teng, PhD; et al.

Abstract | **Full Text**

JAMA. 2020;323(12):1189-1190. doi:10.1001/jama.2020.0542

This study uses data from the Connecticut Public Utilities Regulatory Authority to describe trends in medical exemptions from utility disconnection and characteristics and health care use of adults applying for such exemptions at a Yale New Haven Hospital care practice between 2011 and 2017.

Viewpoint

The Inevitable Reimagining of Medical Education

Ezekiel J. Emanuel, MD, PhD

Abstract | **Full Text**

 JAMA. 2020;323(12):1127-1128. doi:10.1001/jama.2020.1227

This Viewpoint summarizes trends in preclinical medical education away from in-person classroom experiences toward online learning, and imagines the transformation of medical schools into programs that provide clinical rotations and residency training only.



Audio Interview: The Inevitable Reimagining of Medical Education

Preparation for Possible Sustained Transmission of 2019 Novel Coronavirus: Lessons From Previous Epidemics

David L. Swerdlow, MD; Lyn Finelli, DrPH, MS

Abstract | **Full Text**

  CME  JAMA. 2020;323(12):1129-1130. doi:10.1001/jama.2020.1960

This Viewpoint discusses the concepts of transmissibility and severity as the critical factors that determine the extent of an epidemic, drawing on the previous pandemic of influenza A(H1N1) and epidemics of SARS and MERS to consider what the scope, morbidity, and mortality of the 2019 novel coronavirus (2019-nCoV) epidemic might be.



Audio Interview: COVID-19 Update From China

US Emergency Legal Responses to Novel Coronavirus: Balancing Public Health and Civil Liberties

Lawrence O. Gostin, JD; James G. Hodge Jr, JD, LLM

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

FREE    JAMA. 2020;323(12):1131-1132. doi:10.1001/jama.2020.2025

This Viewpoint discusses the policy and legal ramifications of the national public health emergency declared by the US government in response the coronavirus disease 2019 (COVID-19) outbreak, and examines the lawfulness of quarantine and other compulsory measures.



Audio Interview: COVID-19 Update From China



Clinical Review Audio: COVID-19 in Seattle: Clinical Features and Managing the Outbreak

Enhancing Private Sector Health System Preparedness for 21st-Century Health Threats: Foundational Principles From a National Academies Initiative

Donald M. Berwick, MD; Kenneth Shine, MD

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

FREE  JAMA. 2020;323(12):1133-1134. doi:10.1001/jama.2020.1310

This Viewpoint summarizes recommendations made by National Academies of Sciences, Engineering, and Medicine (NASEM) experts to address the US health system's preparedness for major threats, highlighting 5 principles to help regions prepare for specific threats as a prelude to partnerships that would facilitate more comprehensive national preparedness.

A Piece of My Mind

The Other Side

Anne Song, MD

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

JAMA. 2020;323(12):1135-1136. doi:10.1001/jama.2020.2054

In this narrative medical essay, a medicine resident describes her father's vegetative state following a cardiac arrest and finds herself identifying with families who don't want limitations on medical care for their loved ones in conflict with her identity as an internist.

Editorial

Newborn Screening for Biliary Atresia

Richard A. Schreiber, MDCM

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

JAMA. 2020;323(12):1137-1138. doi:10.1001/jama.2020.2727

Thank You to *JAMA* Peer Reviewers, Authors, and Readers

Robert M. Golub, MD; Howard Bauchner, MD; Phil B. Fontanarosa, MD, MBA

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

JAMA. 2020;323(12):1139-1140. doi:10.1001/jama.2020.2769

Review

Nonalcoholic Steatohepatitis: A Review

Adam C. Sheka, MD; Oyedele Adeyi, MD; Julie Thompson, MD, MPH; et al.

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

 CME  JAMA. 2020;323(12):1175-1183. doi:10.1001/jama.2020.2298

This narrative review summarizes the epidemiology of nonalcoholic fatty liver disease (NAFLD) and nonalcoholic steatohepatitis (NASH), proposes a diagnostic algorithm for distinguishing the 2, and reviews management options.



Clinical Review Audio: Nonalcoholic Steatohepatitis: The Primary Care Perspective

JAMA Guide to Statistics and Methods

When Can Intermediate Outcomes Be Used as Surrogate Outcomes?

David L. DeMets, PhD; Bruce M. Psaty, MD, PhD; Thomas R. Fleming, PhD

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(12):1184-1185. doi:10.1001/jama.2020.1176

This JAMA Guide to Statistics and Methods reviews how and under what conditions surrogate outcomes can replace patient-centered outcomes in randomized trials and stresses the importance of properly validating outcomes as surrogates for direct measures of patient experiences.

JAMA Insights

Clinical Update

Diagnosis and Management of Primary Hyperparathyroidism

Catherine Y. Zhu, MD; Cord Sturgeon, MD; Michael W. Yeh, MD

[Abstract](#) | [Full Text](#) *JAMA*. 2020;323(12):1186-1187. doi:10.1001/jama.2020.0538

This JAMA Insights article reviews the presentation and diagnostic workup of primary hyperparathyroidism, and indications for surgical vs surveillance management.



Clinical Review Audio: The Diagnosis and Management of Primary Hyperparathyroidism

Medical News & Perspectives

Fixing the Parent Trap for Resident Physicians

Bridget M. Kuehn, MSJ

[Abstract](#) | [Full Text](#) *JAMA*. 2020;323(12):1119-1121. doi:10.1001/jama.2020.1084

This Medical News article describes efforts to help residents balance the challenges of becoming a new parent during medical training.



Audio: March 2020 Medical News Summary

News From the Centers for Disease Control and Prevention

Adults Are Making It Easier for Children to Ingest Dangerous Drugs

Bridget M. Kuehn, MSJ

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

JAMA. 2020;323(12):1125. doi:10.1001/jama.2020.2406

Hundreds of Health Care Workers Exposed to Rabies

Bridget M. Kuehn, MSJ

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

JAMA. 2020;323(12):1125. doi:10.1001/jama.2020.2851

Clinical Trials Update

Online Mindfulness Therapy Improves Residual Depression

Anita Slomski, MA

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

JAMA. 2020;323(12):1124. doi:10.1001/jama.2020.2446

Hotspotting Doesn't Prevent Hospital Readmissions in Study

Anita Slomski, MA

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

JAMA. 2020;323(12):1124. doi:10.1001/jama.2020.2811

"Superdonor" Fecal Microbiota Transplant Effective for IBS

Anita Slomski, MA

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

JAMA. 2020;323(12):1124. doi:10.1001/jama.2020.2812

Leading HIV Vaccine Trial Stopped for Ineffectiveness

Anita Slomski, MA

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(12):1124. doi:10.1001/jama.2020.2813

Despite Law, Most Clinical Trial Results Still Not Posted

Anita Slomski, MA

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(12):1124. doi:10.1001/jama.2020.2814

Health Agencies Update

White Blood Cells Might Provide Clues to Breast Cancer Risk

Rita Rubin, MA

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(12):1123. doi:10.1001/jama.2020.2457

Government Cites California for Violating Federal Conscience Laws

Rita Rubin, MA

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(12):1123. doi:10.1001/jama.2020.3016

New Resource for Managing Patients Receiving Long-term Opioid Therapy

Rita Rubin, MA

[Abstract](#) | [Full Text](#)*JAMA*. 2020;323(12):1123. doi:10.1001/jama.2020.3017

JAMA Infographic

Coronavirus Disease 2019 and Influenza 2019-2020

Edward Livingston, MD; Karen Bucher, MA, CMI; Andrew Rekito, MS

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

FREE JAMA. 2020;323(12):1122. doi:10.1001/jama.2020.2633

Poetry and Medicine

Delirium

Donovan McAbee, MDiv, PhD

Abstract | **Full Text**

JAMA. 2020;323(12):1195. doi:10.1001/jama.2020.0078

JAMA Revisited

Spirits and the Medical Mind

Abstract | **Full Text**

JAMA. 2020;323(12):1196. doi:10.1001/jama.2019.13367

Peer Reviewers List

JAMA Peer Reviewers in 2019

Abstract | **Full Text**

FREE JAMA. 2020;323(12):1197-1209. doi:10.1001/jama.2020.0556

Editorial

Thank You to JAMA Peer Reviewers, Authors, and Readers

Robert M. Golub, MD; Howard Bauchner, MD; Phil B. Fontanarosa, MD, MBA

JAMA Patient Page

Penicillin Allergy in Pregnancy

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

Abstract | **Full Text**

FREE JAMA. 2020;323(12):1216. doi:10.1001/jama.2019.19809

This JAMA Patient Page describes testing for penicillin allergy among pregnant women.

Comment & Response

Confirming Point-of-Care INR Test Results

Corinne R. Fantz, PhD, DABCC

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

JAMA. 2020;323(12):1190-1191. doi:10.1001/jama.2020.0945

Confirming Point-of-Care INR Test Results—Reply

Irsk Anderson, MD; Geoffrey D. Wool, MD, PhD; William Madden, PharmD

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

JAMA. 2020;323(12):1191-1192. doi:10.1001/jama.2020.0951

Cultural Influences in Psychiatry

Neil Krishan Aggarwal, MD, MA

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

JAMA. 2020;323(12):1192. doi:10.1001/jama.2020.1086

Cultural Influences in Psychiatry

Ankita Deshmukh, MPhil; Sanjeev B. Sarmukaddam, PhD; Vasudeo P. Paralikar, MD, PhD

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

JAMA. 2020;323(12):1192-1193. doi:10.1001/jama.2020.1091

Cultural Influences in Psychiatry—Reply

Daniel Guinart, MD; John M. Kane, MD; Christoph U. Correll, MD

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

JAMA. 2020;323(12):1193-1194. doi:10.1001/jama.2020.1094

Correction

Incorrect Percentage

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

FREE JAMA. 2020;323(12):1194. doi:10.1001/jama.2020.2069

Two Rows Transposed in Table 1

Abstract | **Full Text**

FREE JAMA. 2020;323(12):1194. doi:10.1001/jama.2020.2066

Errors in Author Affiliations

Abstract | **Full Text**

FREE JAMA. 2020;323(12):1194. doi:10.1001/jama.2020.2991

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Abstract | **Full Text**

FREE JAMA. 2020;323(12):1111-1112. doi:10.1001/jama.2019.13360



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USPSTF Recommendation: Screening for Bacterial Vaginosis to Prevent Preterm Delivery

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USPSTF Recommendation: Screening for Cognitive Impairment in Older Adults

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Issue

March; 180 (3): 344-474

**March 2020, Vol 180, No. 3, Pages 344-474**

Original Investigation

Mortality Trends for Veterans Hospitalized With Heart Failure and Pneumonia Using Claims-Based vs Clinical Risk-Adjustment Variables

Gabriella C. Silva, MA; Lan Jiang, MS; Roee Gutman, PhD; et al.

[Abstract](#) | [Full Text](#)*JAMA Intern Med.* 2020;180(3):347-355. doi:10.1001/jamainternmed.2019.5970

This observational time-trend study compares trends in 30-day mortality rates among veterans hospitalized with heart failure and pneumonia when claims-based vs clinical variables are used in risk-adjustment models.

Disparities in Care and Mortality Among Homeless Adults Hospitalized for Cardiovascular Conditions

Rishi K. Wadhera, MD, MPP, MPhil; Sameed Ahmed M. Khatana, MD, MPH; Eunhee Choi, PhD; et al.

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

JAMA Intern Med. 2020;180(3):357-366. doi:10.1001/jamainternmed.2019.6010

This cross-sectional study evaluates differences in intensity of care and mortality between homeless and nonhomeless individuals hospitalized for acute myocardial infarction, stroke, cardiac arrest, or heart failure.

Association Between Exposure to Pyrethroid Insecticides and Risk of All-Cause and Cause-Specific Mortality in the General US Adult Population

Wei Bao, MD, PhD; Buyun Liu, MD, PhD; Derek W. Simonsen; et al.

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

 CME *JAMA Intern Med.* 2020;180(3):367-374. doi:10.1001/jamainternmed.2019.6019

This cohort study uses data from the National Health and Nutrition Examination Survey conducted from 1999 to 2002 to investigate whether exposure to pyrethroid insecticides is associated with the risk of all-cause, cardiovascular, and cancer mortality in the general US adult population.

Clinical Effectiveness and Safety of Aspirin for Venous Thromboembolism Prophylaxis After Total Hip and Knee Replacement: A Systematic Review and Meta-analysis of Randomized Clinical Trials

Gulraj S. Matharu, DPhil; Setor K. Kunutsor, PhD; Andrew Judge, PhD; et al.

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

 CME *JAMA Intern Med.* 2020;180(3):376-384. doi:10.1001/jamainternmed.2019.6108

This systematic review and meta-analysis of randomized clinical trials assesses the effectiveness and safety of aspirin for venous thromboembolism prophylaxis after total hip replacement and total knee replacement.

Hospital Transfer Rates Among US Nursing Home Residents With Advanced Illness Before and After Initiatives to Reduce Hospitalizations

Ellen P. McCarthy, PhD, MPH; Jessica A. Ogarek, MS; Lacey Loomer, MSPH; et al.

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

JAMA Intern Med. 2020;180(3):385-394. doi:10.1001/jamainternmed.2019.6130

This cross-sectional study uses Minimum Data Set assessments to investigate the hospital transfer rates among nursing home residents in the United States with advanced illness between 2011 and 2017 after the introduction of national initiatives to reduce hospitalizations.

Physician Work Environment and Well-Being

Professional Dissonance and Burnout in Primary Care: A Qualitative Study

Sumit D. Agarwal, MD, MPH; Erika Pabo, MD, MBA; Ronen Rozenblum, PhD, MPH; et al.

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

JAMA Intern Med. 2020;180(3):395-401. doi:10.1001/jamainternmed.2019.6326

This qualitative study identifies sources of burnout and potential remedies after conducting focus group discussions and interviews among primary care practitioners at a large US academic medical center.

Post-Acute Kidney Injury Proteinuria and Subsequent Kidney Disease Progression: The Assessment, Serial Evaluation, and Subsequent Sequelae in Acute Kidney Injury (ASSESS-AKI) Study

Chi-yuan Hsu, MD, MSc; Vernon M. Chinchilli, PhD; Steven Coca, DO, MS; et al.

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

JAMA Intern Med. 2020;180(3):402-410. doi:10.1001/jamainternmed.2019.6390

This cohort study quantifies whether proteinuria after hospital discharge is associated with future loss of renal function among patients who had acute kidney injury during hospitalization.

Effectiveness of Combined Behavioral and Drug Therapy for Overactive Bladder Symptoms in Men: A Randomized Clinical Trial

Kathryn L. Burgio, PhD; Stephen R. Kraus, MD; Theodore M. Johnson II, MD, MPH; et al.

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

JAMA Intern Med. 2020;180(3):411-419. doi:10.1001/jamainternmed.2019.6398

This randomized clinical trial evaluates whether combining behavioral and drug therapies improves outcomes compared with each therapy alone for overactive bladder symptoms in men and compares 3 sequences for implementing combined therapy.

Association of Ticagrelor vs Clopidogrel With Major Adverse Coronary Events in Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention

Ricky D. Turgeon, BSc(Pharm), PharmD; Sheri L. Koshman, BSc(Pharm), PharmD; Erik Youngson, MMath; et al.

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

JAMA Intern Med. 2020;180(3):420-428. doi:10.1001/jamainternmed.2019.6447

This cohort study compares the risk of major adverse coronary events (MACE) associated with use of ticagrelor vs clopidogrel in patients with acute coronary syndrome treated with percutaneous coronary intervention.

Association of Social Mobility With the Income-Related Longevity Gap in the United States: A Cross-Sectional, County-Level Study

Atheendar Venkataramani, MD, PhD; Sebastian Daza, MA; Ezekiel Emanuel, MD, PhD

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



JAMA Intern Med. 2020;180(3):429-436. doi:10.1001/jamainternmed.2019.6532

This cross-sectional study uses county-level data to assess the association of social mobility with income-related differences in life expectancy of individuals at age 40 years in the United States.

Health Care Policy and Law

Trends in Unmet Need for Physician and Preventive Services in the United States, 1998-2017

Laura Hawks, MD; David U. Himmelstein, MD; Steffie Woolhandler, MD, MPH; et al.

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

 *JAMA Intern Med.* 2020;180(3):439-448. doi:10.1001/jamainternmed.2019.6538

This survey study identifies changes in unmet need for physician services among insured and uninsured adults aged 18 to 64 years in the United States from the 1998 and 2017 Behavioral Risk Factor Surveillance System surveys.



Audio Interview: Trends in Unmet Need for Physician and Preventive Services in the United States, 1998 to 2017

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Editorial

Physician Work Environment and Well-Being

Primary Care Practitioners' Perspectives on Burnout and What to Do About It

Richard W. Grant, MD, MPH; Lara Goitein, MD

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

JAMA Intern Med. 2020;180(3):345-346. doi:10.1001/jamainternmed.2019.6322

Invited Commentary

Getting Better at Measuring Hospital Mortality

Mark R. Chassin, MD, MPP, MPH

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

JAMA Intern Med. 2020;180(3):355-356. doi:10.1001/jamainternmed.2019.6574

Pyrethroid Insecticides—Time for a Closer Look

Steven D. Stellman, PhD, MPH; Jeanne Mager Stellman, PhD

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

JAMA Intern Med. 2020;180(3):374-375. doi:10.1001/jamainternmed.2019.6093

Intergenerational Economic Mobility—Invest in Children's Economic Futures to Improve Adult Health?

Kirsten Bibbins-Domingo, PhD, MD, MAS; M. Maria Glymour, ScD

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

JAMA Intern Med. 2020;180(3):436-438. doi:10.1001/jamainternmed.2019.7209

Looking Back to Improve Access to Health Care Moving Forward

John Z. Ayanian, MD, MPP

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

 *JAMA Intern Med.* 2020;180(3):448-449. doi:10.1001/jamainternmed.2019.6764



Audio Interview: Trends in Unmet Need for Physician and Preventive Services in the United States, 1998 to 2017

Teachable Moment

Less Is More

Managing Clinical Uncertainty: A Teachable Moment

Natanya S. Russek, BS; Allan S. Detsky, MD, PhD; Kieran L. Quinn, MD, MSc

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

JAMA Intern Med. 2020;180(3):452-453. doi:10.1001/jamainternmed.2019.6700

This Teachable Moment encourages managing clinical uncertainty by using strategies that prioritize continuity of care, communication, and trust.

Research Letter

Potential Medicare Savings on Inhaler Prescriptions Through the Use of Negotiated Prices and a Defined Formulary

William B. Feldman, MD, DPhil; Jerry Avorn, MD; Aaron S. Kesselheim, MD, JD, MPH

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

JAMA Intern Med. 2020;180(3):454-456. doi:10.1001/jamainternmed.2019.5337

This study examines the estimated cost of asthma inhalers for individuals treated under Medicare Part B compared with those treated under the Veterans Affairs Health System, taking into account separate approaches to price negotiation.

Public Awareness for a Sexual Assault Hotline Following a *Grey's Anatomy* Episode

Trevor Torgerson, BS; Jam Khojasteh, PhD; Matt Vassar, PhD

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

JAMA Intern Med. 2020;180(3):456-458. doi:10.1001/jamainternmed.2019.5280

This study examines a rise in telephone calls to the Rape, Abuse, and Incest National Network rape crisis hotline in the wake of an episode of the television show *Grey's Anatomy* focused on rape and ending with the hotline number.

Presence of Piracetam in Cognitive Enhancement Dietary Supplements

Pieter A. Cohen, MD; Igor Zakharevich, BA; Roy Gerona, PhD

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

JAMA Intern Med. 2020;180(3):458-459. doi:10.1001/jamainternmed.2019.5507

This study analyzes 5 brands of dietary supplements to determine the prevalence of the nootropic drug piracetam in supplements advertised as cognitive enhancers.

Underappreciated Bias Created by Measurement Error in Risk Factor Assessment—A Case Study of No Safe Level of Alcohol Consumption

Mary C. Vance, MD, MSc; Tanner J. Caverly, MD, MPH; Rodney A. Hayward, MD

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

JAMA Intern Med. 2020;180(3):459-461. doi:10.1001/jamainternmed.2019.6116

This quality improvement study assesses the potential consequences of systematic underreporting of alcohol use on the observed results in a recent, well-publicized study.

Less Is More

Characterizing Relative and Disease-Specific Survival in Early-Stage Cancers

Andrea R. Marcadis, MD; Jennifer L. Marti, MD; Behfar Ehdai, MD, MPH; et al.

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

JAMA Intern Med. 2020;180(3):461-463. doi:10.1001/jamainternmed.2019.6120

This cohort study examines the relative and disease-specific survival rates for patients with 10 early-stage cancers.

Health Care Reform

Characteristics of Americans With Primary Care and Changes Over Time, 2002-2015

David M. Levine, MD, MPH, MA; Jeffrey A. Linder, MD, MPH; Bruce E. Landon, MD, MBA, MSc

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

JAMA Intern Med. 2020;180(3):463-466. doi:10.1001/jamainternmed.2019.6282

This survey study assesses who has primary care in the United States and how this has changed over time.

Challenges in Clinical Electrocardiography

Wide QRS Complex Tachycardia in an Apparently Healthy Man

Daniel Liauw, MPH; Anthony Dang, MD; Laszlo Littmann, MD, PhD

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

JAMA Intern Med. 2020;180(3):450-451. doi:10.1001/jamainternmed.2019.6694

This case report presents the electrocardiographic findings of an apparently healthy man in his 40s.

Comment & Response

The Number of Discarded Kidneys Is Likely Much Larger Than Reported

Ryan A. Denu, PhD; Norman Fost, MD, MPH

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

JAMA Intern Med. 2020;180(3):466-467. doi:10.1001/jamainternmed.2019.6096

The Number of Discarded Kidneys Is Likely Much Larger Than Reported—Reply

Peter P. Reese, MD; Olivier Aubert, MD, PhD; Alexandre Loupy, MD, PhD

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

JAMA Intern Med. 2020;180(3):467-468. doi:10.1001/jamainternmed.2019.6099

Estimating Fluid Consumption Volumes in Electronic Cigarette Use

Jody Morgan, PhD; Alison L. Jones, MD

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

JAMA Intern Med. 2020;180(3):468. doi:10.1001/jamainternmed.2019.6633

Estimating Fluid Consumption Volumes in Electronic Cigarette Use—Reply

Sairam V. Jabba, DVM, PhD; Sven-Eric Jordt, PhD

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

JAMA Intern Med. 2020;180(3):468-469. doi:10.1001/jamainternmed.2019.6630

Using an Inclusive, Sex-Positive, Gender-Neutral Approach to Taking Sexual Histories

Meghan O'Brien, MD, MBE

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

JAMA Intern Med. 2020;180(3):469. doi:10.1001/jamainternmed.2019.6726

Nothing Informal About Family Caregiving

Nathan M. Stall, MD; Madhuri Reddy, MD, MSc; Paula A. Rochon, MD, MPH

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

JAMA Intern Med. 2020;180(3):470. doi:10.1001/jamainternmed.2019.6732

Nothing Informal About Family Caregiving—Reply

Madeline R. Sterling, MD, MPH, MS; Amy L. Shaw, MD

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

JAMA Intern Med. 2020;180(3):470-471. doi:10.1001/jamainternmed.2019.6729

Considerations in Analysis of Medicare Graduate Medical Education Payment Policies

Susan Xu, MPA, MS; Janis M. Orłowski, MD, MACP

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

JAMA Intern Med. 2020;180(3):471. doi:10.1001/jamainternmed.2019.6966

Considerations in Analysis of Medicare Graduate Medical Education Payment Policies

David Jacob Aizenberg, MD; Lia Suzanne Logio, MD

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

JAMA Intern Med. 2020;180(3):471-472. doi:10.1001/jamainternmed.2019.6987

Health Care Policy and Law

Considerations in Analysis of Medicare Graduate Medical Education Payment Policies—Reply

Candice Chen, MD, MPH; YoonKyung Chung, PhD; Andrew Bazemore, MD, MPH

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

JAMA Intern Med. 2020;180(3):472-473. doi:10.1001/jamainternmed.2019.6977

Additional Considerations for Screening and Treatment of Depression in Patients With Acute Coronary Syndrome

Montika Bush, PhD; Bradley N. Gaynes, MD, MPH; Sidney C. Smith Jr, MD

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

JAMA Intern Med. 2020;180(3):473. doi:10.1001/jamainternmed.2019.7116

Additional Considerations for Screening and Treatment of Depression in Patients With Acute Coronary Syndrome—Reply

Ian M. Kronish, MD, MPH; Nathalie Moise, MD, MS; Karina W. Davidson, PhD, MASc

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

JAMA Intern Med. 2020;180(3):473-474. doi:10.1001/jamainternmed.2019.7113

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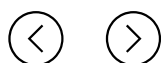
JAMA Intern Med. 2020;180(3):375. doi:10.1001/jamainternmed.2019.6905

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FREE *JAMA Intern Med.* 2020;180(3):344. doi:10.1001/jamainternmed.2019.4357



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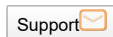
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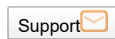
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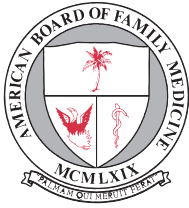
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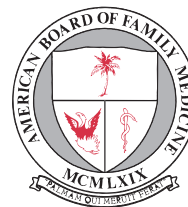
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Hale, Andrew C.; Bohnert, Kipling M.; Spencer, Robert J.; More
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Adrion, Emily R.
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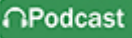
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