

## Research

### Treatment of Uncontrolled Type 2 Diabetes 1466

Semaglutide, a glucagon-like peptide 1 receptor agonist (GLP-1RA), improves glycemic control and may also have cardiovascular benefits. Rosenstock and colleagues for the PIONEER 3 Investigators randomized 1864 patients who had type 2 diabetes that was uncontrolled by metformin with or without sulfonylurea and found that oral semaglutide, compared with sitagliptin, resulted in significantly greater reductions in hemoglobin A<sub>1c</sub>. In an Editorial, Hirsch notes that adding a GLP-1RA to metformin is now recommended for patients with diabetes and atherosclerotic cardiovascular disease who need further glycemic lowering.

📖 Editorial 1457 Related Articles 1502 and 1510

📺 Visual Abstract [jama.com](http://jama.com)

### Mouthwashes for Radiotherapy-Induced Mucositis 1481

Oral mucositis is an adverse effect of radiotherapy for head and neck cancer. Sio and colleagues randomized 275 patients with oral mucositis pain after head and neck radiotherapy and found that doxepin mouthwash and diphenhydramine-lidocaine-antacid mouthwash each reduced oral mucositis pain, but the measured reductions may not be clinically important. In an Editorial, Elad and Yarom suggest that mouthwashes may reduce the need for pain control with systemic opioids.

📖 Editorial 1461

### Health and Economic Outcomes of a Workplace Wellness Program 1491

Workplace wellness programs are designed to lower health care costs and improve employee health and productivity. Song and Baicker randomized 140 worksites with 32974 employees and found that a workplace wellness program increased self-reported health behaviors but did not improve clinical measures of health, health care spending and utilization, or employment outcomes. In an Editorial, Abraham suggests that integrating wellness programs with tobacco-free policies, healthy cafeteria options, and onsite workout facilities can support healthy choices in the workplace.

📖 Editorial 1459

📺 CME [jamanetwork.com/learning](http://jamanetwork.com/learning)

## Opinion

### Viewpoint

1451 The Uncertain Effect of Financial Incentives to Improve Health Behaviors  
H Thirumurthy, DA Asch, and KG Volpp

1453 A Model for Public Access to Trustworthy and Comprehensive Reporting of Research  
M Broitman, HC Sox, and J Slutsky

### A Piece of My Mind

1455 Casting  
CA Colaizzi

### Editorial

1457 The Future of the GLP-1 Receptor Agonists  
IB Hirsch

1459 Employee Wellness Programs: A Work in Progress  
JM Abraham

1461 The Search for an Effective Therapy and Pain Relief for Oral Mucositis  
S Elad and N Yarom

1464 Screening for Elevated Blood Lead Levels in Children and Pregnant Women  
AJ Spanier, P McLaine, and RC Gilden

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### Research Letter

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E Lum and Coauthors

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1535 Correction



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J Skillman

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Human Jawbone



Editor in Chief  
Howard Bauchner, MD

**135 YEARS**  
OF CONTINUOUS  
PUBLICATION

## Clinical Review & Education

### RECOMMENDATION STATEMENT

#### Lead Screening for Children and Pregnant Women **1502**

Exposure to environmental lead is associated with multiple adverse health outcomes. The US Preventive Services Task Force concludes that the current evidence is insufficient to assess the balance of benefits and harms of screening for elevated blood lead levels in asymptomatic children or pregnant women. In an Editorial, Spanier and colleagues suggest that blood lead testing may be indicated for high-risk groups, such as young children living in older homes with flaking, lead-based paint.

◀ Editorial **1464** Related Article **1510** JAMA Patient Page **1542**  
 + Author Audio Interview [jama.com](http://jama.com) CME [jamanetwork.com/learning](http://jamanetwork.com/learning)

### EVIDENCE REPORT

#### Outcomes of Screening and Treatment for Lead Toxicity **1510**

In a review of 24 studies with 11433 participants, Cantor and colleagues found that screening questionnaires were not accurate for identifying children with elevated blood lead levels, chelating agents were associated with harms and limited benefits for treated children, and the benefits of screening and treatment for lead exposure in pregnant women could not be determined with available evidence.

◀ Editorial **1464** Related Article **1502** JAMA Patient Page **1542**

#### Transcatheter Valve Replacement for Severe Aortic Stenosis **1527**



In this JAMA Clinical Guidelines Synopsis of a 2017 update of a 2014 guideline developed by the American College of Cardiology and American Heart Association, Dia and colleagues discuss the indications for transcatheter valve replacement in patients with severe aortic stenosis.

### Online @ jama.com



#### Editor's Audio Summary

Howard Bauchner, MD, summarizes and comments on this week's issue.

#### Audio Interview



Kim Schrier, MD, US Congress, profiled in "Dr Schrier goes to Washington as First Woman Physician"

#### Visual Abstract

"Effect of Additional Oral Semaglutide vs Sitagliptin on Glycosylated Hemoglobin in Adults With Type 2 Diabetes Uncontrolled With Metformin Alone or With Sulfonyleurea: The PIONEER 3 Randomized Clinical Trial"

#### Author Audio Interview



David A. Asch, MD, author of "The Uncertain Effect of Financial Incentives to Improve Health Behaviors"



Michael Silverstein, MD, MPH, author of "Screening for Elevated Blood Lead Levels in Children and Pregnant Women: US Preventive Services Task Force Recommendation Statement"

### Screening for High Blood Lead Levels in Children and Pregnant Women



#### JAMA Patient Page

**1542** Screening for High Blood Lead Levels in Children and Pregnant Women

### NEWS & ANALYSIS

#### Medical News & Perspectives

**1443** Dr Schrier Goes to Congress as Second Woman Physician

**1445** Childhood Lead Exposure May Affect Personality, Mental Health in Adulthood

**1446 JAMA Forum**  
Making Amends for the Opioid Epidemic

**1448 Global Health**  
Monster 2015-2016 El Niño Event Triggered Infectious Diseases

Cancer Goes Undiagnosed in Almost Half the World's Children

Antimicrobial Resistance on the Rise in Zoonotic Bacteria in Europe

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