

## Research

### Improving Adherence to Clinical Performance Measures

245

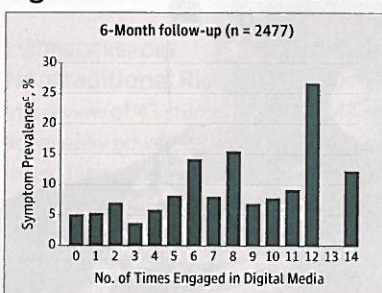
Adherence to evidence-based therapy for ischemic stroke can improve patient outcomes. Wang and colleagues for the GOLDEN BRIDGE-AIS Investigators randomized 4800 patients who were hospitalized in China with acute ischemic stroke and found that hospitals receiving a multifaceted quality improvement intervention had better adherence to clinical performance measures. In an Editorial, Hill and colleagues suggest that sustainable quality improvement must be built into the culture of hospitals, written into job descriptions, and required by employment contracts.

Editorial 236

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### Digital Media and Attention-Deficit/Hyperactivity Disorder

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Hand-held communication devices deliver immediate, high-intensity stimulation in the form of social networking, videos, and texting. Ra and colleagues conducted a longitudinal cohort study of 2587 high school students and found a modest association between the frequent use of digital media and symptoms of attention-deficit/hyperactivity disorder. In an Editorial, Radesky suggests that attentional shifts triggered by frequent media notifications

may reduce a teen's ability to stay focused on tasks that require top-down executive control.

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## CARING FOR THE CRITICALLY ILL PATIENT

### US Trends in Health Care at the End of Life

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In the United States, seriously ill patients may experience burdensome health care transitions during the last days of life. Teno and colleagues conducted a retrospective cohort study of 1 361 870 Medicare beneficiaries and found that as of 2015, the proportions of US patients receiving intensive care, experiencing a health care transition, or being hospitalized at the end of life were stable or declining. In an Editorial, Emanuel discusses how far end-of-life care has come and suggests what progress is still needed.

Editorial 239



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Editor in Chief  
Howard Bauchner, MD

135 YEARS  
OF CONTINUOUS  
PUBLICATION



## Clinical Review & Education

### RECOMMENDATION STATEMENT

#### Expanding Risk Assessment Tools for Cardiovascular Disease 272

The Framingham Risk Score and Pooled Cohort Equations are widely used for assessing the risk of cardiovascular disease (CVD). This US Preventive Services Task Force statement concludes that current evidence is insufficient to assess the balance of benefits and harms of adding ankle-brachial index, high-sensitivity C-reactive protein level, or coronary artery calcium score to traditional risk assessment tools for the prevention of CVD events in asymptomatic adults. In an Editorial, Wilkins and Lloyd-Jones suggest that a randomized clinical trial could assess the incremental benefit of the coronary artery calcification score for patients at intermediate risk of CVD.

Editorial 242 Related Article 281 and JAMA Patient Page 316

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### EVIDENCE REPORT

#### Nontraditional Risk Factors for Cardiovascular Disease 281

In a review of 43 studies with 267244 participants, Lin and colleagues found insufficient adequately powered clinical trials evaluating the incremental benefit of the ankle-brachial index, high-sensitivity C-reactive protein level, or coronary artery calcium score for risk assessment and initiation of therapy to prevent cardiovascular disease.

Editorial 242 Related Article 272 JAMA Patient Page 316

#### Assessing Recurrence of Colorectal Cancer 298

This JAMA Diagnostic Test Interpretation article by Kim and colleagues presents a 78-year-old man with a carcinoembryonic antigen level obtained 1 year after surgical resection of colorectal cancer. How would you interpret this test result.

## Risk Assessment for Cardiovascular Disease With Added Nontraditional Risk Factors



Adults



Statement

### JAMA Patient Page

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### Editor's Audio Summary

Phil Fontanarosa, MD, MBA, summarizes and comments on this week's issue.

### Visual Abstract

Effect of a Multifaceted Intervention on Adherence to Performance Measures in Patients With Acute Ischemic Stroke in China: A Randomized Clinical Trial

### Interview

**AUDIO** Rachel Zang, MD, of the Hospital of the University of Pennsylvania profiled in "Is There a Doctor on the Plane?"

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