



JABFM

JOURNAL OF THE AMERICAN BOARD OF FAMILY MEDICINE

Editor

Marjorie Bowman, MD, MPA
Dayton, OH

Deputy Editor

Anne Victoria Neale, PhD, MPH
Detroit, MI

Executive Editor

James C. Puffer, MD
Lexington, KY

Associate Editor

Dean A. Seehusen, MD, MPH
Fort Gordon, GA

Editorial Board

William A. Alto, MD
Seattle, WA

Ian M. Bennett, MD, PhD
Philadelphia, PA

Alfred O. Berg, MD
Seattle, WA

John M. Boltri, MD
Rootstown, OH

Richard D. Clover, MD
Louisville, KY

Larry Culpepper, MD, MPH
Boston, MA

Jennifer E. DeVoe, MD, DPhil
Portland, OR

L. Miriam Dickinson, PhD, MS
Aurora, CO

Chyke A. Doubeni, MD, MPH
Philadelphia, PA

Nancy Elder, MD, MSPH
Cincinnati, OH

Joshua J. Fenton, MD, MPH
Sacramento, CA

Jeanne Ferrante, MD, MPH
Somerset, NJ

Kenneth S. Fink, MD, MGA,
MPH

Kapolei, HI

Dwenda Gjerdingen, MD, MS
St. Paul, MN

Adam Goldstein, MD, MPH
Chapel Hill, NC

Beverly Green, MD, MPH
Seattle, WA

Larry A. Green, MD
Aurora, CO

Masahito Jimbo, MD, PhD, MPH
Ann Arbor, MI

Mark S. Johnson, MD, MPH
Washington DC

Lawrence Leung, MD, MA
Kingston, ON

Zsolt J. Nagykaldi, PhD
Oklahoma City, OK

M. Norman Oliver, MD, MA
Charlottesville, VA

Donald Pathman, MD, MPH
Chapel Hill, NC

Sarina Schrager, MD
Madison, WI

Kendra Schwartz, MD, MSPH
Detroit, MI

Eric M. Wall, MD, MPH
Seattle, WA

Special Health Information Technology Issue

VOLUME 28, NUMBER 3

MAY-JUNE 2015

CONTENTS

EDITORIAL

- Electronic Health Record Innovations for Healthier Patients and Happier Doctors **299**
Alex H. Krist

EDITORIAL OFFICE NEWS AND NOTES

- Content Usage and the Most Frequently Read Articles of 2014 **303**
Phillip Lupo, Jr., Anne Victoria Neale, and Marjorie A. Bowman

COMMENTARIES

- Health Information Technology Needs Help from Primary Care Researchers **306**
Alex H. Krist, Lee A. Green, Robert L. Phillips, John W. Beasley, Jennifer E. DeVoe, Michael S. Klinkman, John Hughes, Jon Puro, Chester H. Fox, and Tim Burdick; for the NAPCRG Health Information Technology Working Group

- Family Physician Geriatricians Do Mostly Geriatric Care: Is This a Problem for Our Specialty? **311**
Kenneth Brummel-Smith

POLICY BRIEF

- Reported Practice Patterns Among Family Physicians with a Geriatrics Certificate of Added Qualifications **314**
Lars E. Peterson, Anneli Cochran, Andrew W. Bazemore, and Stephen Petterson

ORIGINAL RESEARCH

- Physician Information Needs and Electronic Health Records (EHRs): Time to Reengineer the Clinic Note **316**
Richelle J. Koopman, Linsey M. Barker Steege, Joi L. Moore, Martina A. Clarke, Shannon M. Canfield, Min S. Kim, and Jeffery L. Belden

JABFM

JOURNAL OF THE AMERICAN BOARD OF FAMILY MEDICINE



VOLUME 28, NUMBER 3

MAY-JUNE 2015

CONTENTS

Continued

- Impact of an Electronic Health Record (EHR) Reminder on Human Papillomavirus (HPV) Vaccine Initiation and Timely Completion **324**
Mack T. Ruffin IV, Melissa A. Plegue, Pamela G. Rockwell, Alisa P. Young, Divya A. Patel, and Mark W. Yeazel
- Prompting Primary Care Providers about Increased Patient Risk As a Result of Family History: Does It Work? **334**
Philip Zazove, Melissa A. Plegue, Wendy R. Uhlmann, and Mack T. Ruffin IV
- Point-of-Care Estimated Radiation Exposure and Imaging Guidelines Can Reduce Pediatric Radiation Burden **343**
Christopher W. Bunt, Harry B. Burke, Alexander J. Towbin, Albert Hoang, Mark B. Stephens, Paul Fontelo, Fang Liu, and Ronald W. Gimbel
- Clinical Reminders Designed and Implemented Using Cognitive and Organizational Science Principles Decrease Reminder Fatigue **351**
Lee A. Green, Donald Nease, Jr., and Michael S. Klinkman
- Learning from Primary Care Meaningful Use Exemplars **360**
Steven M. Ornstein, Lynne S. Nemeth, Paul J. Nietert, Ruth G. Jenkins, Andrea M. Wessell, and Cara B. Litvin
- The Use of Medical Scribes in Health Care Settings: A Systematic Review and Future Directions **371**
Cameron G. Shultz and Heather L. Holmstrom
- Planning for Action: The Impact of an Asthma Action Plan Decision Support Tool Integrated into an Electronic Health Record (EHR) at a Large Health Care System **382**
Lindsay Kubn, Kelly Reeves, Ybenneko Taylor, Hazel Tapp, Andrew McWilliams, Andrew Gunter, Jeffrey Cleveland, and Michael Dulin
- Impact of and Satisfaction with a New eConsult Service: A Mixed Methods Study of Primary Care Providers **394**
Clare Liddy, Amir Afkham, Paul Drosinis, Justin Joschko, and Erin Keely
- Interspecialty Communication Supported by Health Information Technology Associated with Lower Hospitalization Rates for Ambulatory Care-Sensitive Conditions **404**
Ann S. O'Malley, James D. Reschovsky, and Cynthia Saiontz-Martinez

JABFM (Journal of the American Board of Family Medicine) (ISSN 1557-2625) is published six times a year in January, March, May, July, September, and November by the American Board of Family Medicine, Inc., 1648 McGrathiana Parkway, Fifth Floor, Lexington, KY 40511 with printing services provided by Cadmus Communications, 8621 Robert Fulton Drive, Suite 100, Columbia, MD 21046.

For more information please refer to the Information for Readers page. POSTMASTER: Send address changes to JABFM Subscriptions, Drohan Management Group, 12100 Sunset Hills Rd., Ste. 130, Reston, VA 20190-3221.

© Copyright 2015 by the American Board of Family Medicine. All rights reserved. The *Journal* does not hold itself responsible for statements made by any contributor. Statements or opinions expressed in the *Journal* reflect the views of the author(s) and not the official policy of the American Board of Family Medicine.

JABFM

JOURNAL OF THE AMERICAN BOARD OF FAMILY MEDICINE



VOLUME 28, NUMBER 3

MAY-JUNE 2015

CONTENTS

Continued

- Prioritization of Patients for Comprehensive Medication Review By a Clinical Pharmacist in Family Medicine **418**
Joseph P. Vande Griend, Joseph J. Saseen, Debra Bislip, Caroline Emsermann, Colleen Conry, and Wilson D. Pace

BRIEF REPORT

- Internal Jugular Vein Septic Thrombophlebitis (Lemierre Syndrome) as a Complication of Pharyngitis **425**
Andrew P. Wong, Maurice L. Duggins, and Tara Neil

BOARD NEWS

- ABFM to Simplify Maintenance of Certification (MOC) for Family Physicians and Make It More Meaningful: A Family Medicine Registry **431**
Robert Phillips