data health quality information PLM record diabetes records consumer community patients one

BIG DATA:
PANACEA OR PANDORA'S BOX?

SUNDAY, NOVEMBER 15, 2015, 1 to 3 P.M.
AMA INTERIM MEETING
Atlanta Marriott Marquis
Marquis Ballroom B
265 Peachtree Center Avenue NE
Atlanta, GA 30303

An explosion of data regarding healthcare has been collecting in our office charts, in hospital records, on computers, and in the cloud. What does that mean to the future practice of medicine? Will it help us make clinical decisions, or get in our way with legal, ethical, and financial challenges? Listen to how it is shaping up and being tried in some practices and learn about changes in the future of practice of medicine.

The FORUM is offering a program to stimulate discussion and give you tools to answer these questions.

The FORUM for Medical Affairs
www.osmapandtheforum.org

What is Big Data?
Exactly what is the Precision Medicine Initiative? What are potential barriers to its promise?

D J Patil, PhD
US Chief Data Scientist
White House Office of Science and Technology
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Evolution of Big Data Technology: Where are We Today in Terms of Security, Privacy, Analytics & Usability?
Data security, ease of use and analytics – helpful or obstacle to patient care?

Ching-Yung Lin, PhD
Adjunct Professor
Department of Electrical Engineering & Computer Science, Columbia University
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Big Data: Leveraging its Power to Achieve Best Practice
Can it help me take better care of my patients?

Raymond J. Fabius, MD
Ab3Health, LLC
Co-founder, Health NEXT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Westchester Academy of Medicine and The Forum for Medical Affairs. The Westchester Academy of Medicine is accredited by the Medical Society of the State of New York (MSSNY) to provide continuing medical education for physicians.

The Westchester Academy of Medicine designates this live activity for a maximum of *2 AMA PRA Category I Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

After participating in this activity, the learner should be better able to:

1. Describe the role of data in the practice setting, and technical approaches to ensuring quality and protection of data.
2. Define best practice using big data and the triple aim (Improving the patient experience (including quality and satisfaction); improving overall population health; reducing the per capita cost of health care.).
3. Identify the range of clinical decision support tools; explain how to determine which application is appropriate for specific situations; describe how to develop and implement clinical decision support tools.
4. Describe the processes of developing or selecting a clinical information system, preparing and supporting clinicians for system implementation, and evaluating system effectiveness.
5. Identify the key types of health information systems and describe how to achieve system interoperability.
6. Identify the non-technical factors that influence the adoption of clinical information systems by clinicians and describe strategies for promoting effective use of clinical information systems.

The following faculty have indicated a relationship with the following:
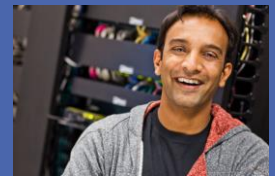Ching-Yung Lin, PhD – Chief Scientist, IBM
Raymond J. Fabius, MD – Co-founder & President, HealthNEXT

No commercial funding has been accepted for this activity.

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About The Forum...
The Forum for Medical Affairs was established nearly 40 years ago "to further the aims and ideals of organized medicine by providing annual programs for its members on important issues facing the profession." The Forum presents its annual program in conjunction with the Interim Meeting of the American Medical Association's House of Delegates.

Members of the Forum include the members of the AMA House of Delegates, and the presidents, presidents-elect, past presidents and executive directors of all State Medical Societies and AMA-recognized National Specialty Medical Societies.

Dr. DJ Patil joined the White House Office of Science and Technology Policy in February 2015, when he was named by the White House as Chief Data Scientist and Deputy Chief Technology Officer for Data Policy. DJ advises on policies and practices to maintain U.S. leadership in technology and innovation, fosters partnerships to maximize the Nation's return on its investment in data, and helps to attract and retain the best minds in data science to serve the public.

Dr. Ching-Yung Lin is the IBM Chief Scientist, Graph Computing, and an IBM Distinguished Researcher. He is the founder and senior manager of the Network Science and Big Data Analytics Department in IBM T. J. Watson Research Center. He has been with IBM Research since 2000, after receiving his Ph.D. from Columbia University. Dr. Lin is also an Adjunct Professor in the Departments of Electrical Engineering and Computer Science, Columbia University since 2010.

Dr. Raymond J. Fabius is Co-founder and President of HealthNEXT. Dr. Fabius is the 2014 recipient of the NBGH / ACOEM Global Leadership in Corporate Health Award; a faculty member of the American College of Occupational and Environmental Medicine, the new School of Population Health at Thomas Jefferson University.