Curriculum Vitae

David M. Liebovitz, MD
Associate Professor in Medicine
Feinberg School of Medicine, Northwestern University

Personal Information

Work Address: 541 N. Fairbanks Court, Office 2634, Chicago, IL 60611

Work Phone: 312.926.3141 Work Fax: 312.695.6007

Email: DavidL@northwestern.edu

Citizenship: US

Education

June 1986	Univ. of Illinois, Urbana	B.S.	Electrical Engineering
June 1990	Univ. of Illinois, Chicago	M.D.	Medicine

Graduate Medical Education

July 1990 – June 1993	University of Chicago	Internal Medicine
July 1993 – June 1994	University of Chicago - Weiss	Chief Residency

Graduate Education Program

June 1997 Harvard Macy Institute Program for Leaders in Medical Education

Board Certification and Medical Licensure

American Board of Internal Medicine, 1993; 2003

Active: Illinois, 036-086253

Inactive: Michigan, 4301087359 (Camp physician 2006)

Faculty Appointments

1994-1995	Instructor	University of Chicago	Dept. of Medicine
1995-2002	Assistant Professor	University of Chicago	Dept. of Medicine
2002-2010	Assistant Professor	Northwestern University	Dept. of Medicine
2011-Present	Associate Professor	Northwestern University	Dept. of Medicine
2011-Present	Associate Professor	Northwestern University	Dept. of Preventive
Medicine			

Hospital Appointments

1993-1994	Medical Staff	University of Chicago – Weiss Hospital
1994-2002	Medical Staff	University of Chicago Hospitals
2002-Present	Medical Staff	Northwestern Memorial Hospital

Administrative Appointments

1995-1997	Co-director Medicine/Geriatrics Consult Service	University of Chicago
1995-2002	Medicine Residency Associate Program Director	University of Chicago
2000-2002	Assoc. Directory Primary Care Group	University of Chicago
2002-2003	Medical Director for Decision Support	NMH
2003-Present	Medical Director for Information Systems	NMH
2003-Present	Associate Program Director, Medicine Residency	Northwestern Univ.
2005-Present	Chief Medical Information Officer	NMFF
2005-Present	Program Director, Informatics Masters Program	Northwestern Univ.
2009-2011	Medical School Competency Co-director	Northwestern Univ.
2009-Present	Associate Chief Medical Officer	NMH
2009-2011	Co-director, NUBIC Medical Informatics	Northwestern Univ.

Committee Service

2000-2002	University Board of Computing Activities	University of Chicago
2003-Present	Residency Recruitment Committee	Northwestern Univ.
2003-Present	IT Leadership (and precursor) Committees	NMFF
2005-Present	Galter Health Sciences Library Committee	Northwestern Univ.
2005-Present	Medical Staff Quality Management Committee	NMH
2006-2011	Clinical Informatics Committee co-Chair	NMH
2006-Present	Medication Safety Committee	NMH
2007-Present	OTIS Safety Committee - General Medicine	NMFF
2009-2012	Medical School Competencies Committee	Northwestern FSM
2009-Present	Medicine Peer Review Committee	NMH
2010-2012	Mortality Review Committee	NMH
2010-2011	University Enterprise Systems Steering Com.	Northwestern Univ.
2010-2011	Educational Technology Working Group	Northwestern FSM
2012-Present	Informatics Principles and Practices Committee	NMH

Awards, Honors, Distinctions

1982	National Merit Scholarship Recipient
1982	Child of Veteran Merit Scholarship Recipient
1985	Engineering Honor Society
1986	Dean's List and James Scholar, University of Illinois
1986	University Bronze Tablet Honors, University of Illinois
1988	Alpha Omega Alpha
1990	Obstetrics and Gynecology Student Honors

1990	MD with Honors, University of Illinois
1993	Annual Infectious Diseases Scholarship, University of Chicago
2007	Student Teaching Excellence Award, Northwestern

Professional Society Memberships

American College of Physicians (Illinois Chapter Communication Committee, 1999)

American Medical Informatics Association (Education Workgroup 2002)

Association of Medical Directors of Information Systems

Healthcare Information and Management Systems Society

Society of General Internal Medicine

Society of Hospital Medicine (IT Core Committee, 2009-Present)

Professional/Community Service

1993-1994	Chicago Health Outreach, underserved community – patient care	
2009	Northern Illinois Physicians for Connectivity, white paper contributing	
	author: A Community View: How Personal Health Records Can Improve	
	Patient Care and Outcomes in Many Healthcare Settings	
2010-Present	Prescription Monitoring Program Committee - State of Illinois	
2010-Present	Director of Clinical Informatics, Chicago Health Information Technology	
	Regional Extension Center	

Teaching

Courses Developed

1995	Resident Informatics Workshop	University of Chicago
1997	Medical Student Informatics	University of Chicago
2005	Introduction to Clinical Thinking (MMI402)	Northwestern
2006	Resident Informatics Elective Rotation	Northwestern

Course Director

2005-Present Introduction to Clinical Thinking (MMI402) Northwestern

Education -Lectures

1993-1996	Physical Diagnosis Preceptor	University of Chicago
1994-1996	Clerkship Preceptor	University of Chicago
1994-2002	Morning Report Attending	University of Chicago
1995-2002	Resident Informatics Lecture	University of Chicago
1996-2000	Intern Clinic Lectures Series	University of Chicago

1997-2002	Student Informatics Lecture	University of Chicago
1997-1999	Social Context of Medicine	University of Chicago
1999-2005	Medical Student Orientation Lecturer	University of Chicago
2000-2002	Faculty Development Informatics Lectures	University of Chicago
2005	NMFF GIM Lecture – Bites	Northwestern
2005	NMPG Lecture – Bites	Northwestern
2005-Present	All New Resident Informatics Lecture	Northwestern
2005-Present	All New Fellow Informatics Lecture	Northwestern
2005-Present	Medical Student ICC Informatics Lectures	Northwestern
2007	Medicine Resident Informatics	Northwestern
2008-Present	Graduate Quality and Safety Program	Northwestern
2009-Present	Discussant, Student Ethics Cases	Northwestern
2009	Anesthesiology Resident Informatics	Northwestern
2009	Surgery Resident Informatics	Northwestern
2010	Pathology Resident Informatics	Northwestern
2010	Medicine Resident Informatics	Northwestern
2010-Present	Critical Care Informatics Update	Northwestern

Teaching Attending Physician

1994-2002	Inpatient Teaching Attending	University of Chicago
2002-Present	Inpatient Teaching Attending	Northwestern

Resident Preceptor

1995-2002	Clinic Preceptor for Residents	University of Chicago
2002-Present	Clinic Preceptor for Residents	Northwestern
2006-Present	Resident Informatics Elective Preceptor	Northwestern

Student Advisor

2010 Student Advisor Northwestern

PhD Student Advisor (secondary)

2012 He Zhang Northwestern Industrial Eng.

Resident Mentor

1999-2002	University of Chicago	
2004-2012	Northwestern	

Additional Leadership Role

2009-2010 FSM Competency Co-director (Continuous Learning and Quality Improvement)

Research Grants

Inactive

UR8/CCU 515081 Noskin (PI) 2/1/01-1/31/06 CDC

Research and Demonstration Programs in Surveillance, Prevention and Control of Healthcare Associated Infections and Antimicrobial Resistance

R21 CA113191 (Chang) 9/27/04-7/31/06 NIH/NCI

Novel Pain Assessment and Intervention Network (NoPAIN)

The main goals of this project are: 1) To launch the Novel Pain Assessment and Intervention Network (or the NoPAIN Network) by bringing together local and selected national experts in medical informatics, clinical and nursing research, and the social sciences to discuss one important topic in medical care that is inherently interdisciplinary, namely pain among older patients; 2) To design and implement a prototype of an integrated clinical decision support system in pain (CDSS-Pain) by engaging interdisciplinary experts in the creation of collective analytical methodology on an ongoing basis; and 3) To produce at least one joint R-01 submission on the primary focus of the network

HS 05-012 (Noskin) 7/01/05-6/30/07 AHRQ

Medications at Transitions and Clinical Handoffs

The goal of this project is to measurably decrease the number of discrepant medication orders by training nursing and medical staff in medication history interviewing skills while implementing a single medication history list within the medical record utilized by all clinicians.

R25 CA106359 (Emanuel) 9/1/06-08/30/09 NIH

Interactive Distance Learning Program in Palliative Care

This project proposes to build two distance learning applications of the Education for Physicians in End-of-Life Care (EPEC) Project, with both designs being driven by educational needs, one having no human interactivity (standard web-only programming or WP), the other having interactivity (standard interactive programming or SI).

R21 CA120906 (Chang) 2/1/07-11/30/08 NIH

Assessing Multidimensional Pain in Gero-Oncology: A Clinical Infometrics Approach

The aim of this project is to develop a model-driven evidence-based pain item bank for use in pain assessment that is specific to geriatric oncology patients.

ACTIVE

1U18HS016973 (Lambert) NIH (subcontract to UIC) 3/1/08-8/31/11

0.24

\$11,262

Tools for Optimizing Prescribing, Monitoring and Education

This project seeks to reduce prescribing errors of omission and commission in high hazard drugdisease contexts by linking lab and pharmacy information systems and generating clinical alerts when problems are detected. We will customize, implement, and monitor selected decision support content to achieve this goal.

5R18HS017220-03 (Wolf)

9/14/07-8/31/10

0.24

calendar AHRQ

\$320,324

Using IT for Patient-Centered Communication and Decision Making about Medication

To improve medication management, this project brings together four vibrant lines of research and development at Northwestern: health communication, health literacy, medication safety, and informatics. The patient-centered information technology interventions in this study are designed to enhance communication and shared decision making about medications, with a focus on increasing patient understanding of essential information and improving the medication management process.

90RC0020/01 DHHS (Kho) 2/8/10-2/7/14 \$2,790,838

0.6

The Chicago HIT Regional Extension Center

The project amis to create a neutral and multi-stakeholder non-profit organization to provide meaningful use of EHRs to a broad range of primary care providers and their patients in Chicago.

CNS-0964087

4/1/10-3/31/14

0.6 calendar

National Science Foundation (Liebovitz)

\$51,807

TC: Medium: Collaborative Research: Experience-Based Access Management (EBAM) for Hospital Information Technology

The goals of the project are: (1) Develop a scalable and practical engineering lifecycle based on EBAM; (2) Develop a scientific foundation for EBAM based on the joint use of attribute-based access rules and probabilistic models derived from experience; (3) Demonstrate how to integrate

EBAM based on this foundation with the Northwestern HIT and gain meaningful benefits from this integration.

4/1/10-3/31/14 2.4 calendar

DHHS (Liebovitz) \$89,137

Strategic Health IT Advanced Research Projects on Security (SHARPS) (Goals under budgetary review; http://sharps.org/index.html)

Bibliography

Original Peer Reviewed Articles

O'Leary KJ, Liebovitz DM, Baker DW. How hospitalists spend their time: insights on efficiency and safety. J Hosp Med. 2006 Mar;1(2):88-93.

O'Leary KJ, Liebovitz DM, Feinglass J, Liss DT, Baker DW. Outpatient physicians' satisfaction with discharge summaries and perceived need for an electronic discharge summary. J Hosp Med. 2006 Sep;1(5):317-20.

O'Leary KJ, Liebovitz DM, Feinglass J, Liss DT, Evans DB, Kulkarni N, Landler MP, Baker DW. Creating a better discharge summary: improvement in quality and timeliness using an electronic discharge summary. J Hosp Med. 2009 Apr;4(4):219-25.

Reddy P, Liebovitz D, Chrisman H, Nemcek AA Jr, Noskin GA. Infection control practices among interventional radiologists: results of an online survey. J Vasc Interv Radiol. 2009 Aug;20(8):1070-1074.e5.

Editorials

Liebovitz D. Health care information technology: a cloud around the silver lining? Arch Intern Med. 2009;169:924-926.

Book Chapters

HIT Healthcare Information Technology Exam Guide for CompTIA Healthcare IT Technician and Health IT Professional Certifications. McCormick, Gugerty, editors. (In press)

Contributor to: Improving Medication Use and Outcomes with Clinical Decision Support: A Step-by-Step Guide. Osheroff, editor. 2009

Symposia

Bobb AM, Liebovitz DM, Christensen KL, Kitt SL. Clinical decision support to avoid adverse drug events with anticoagulants. AMIA Annu Symp Proc. 2007 Oct 11:874.

Kho A, Rotz D, Alrahi K, Cárdenas W, Ramsey K, Liebovitz D, Noskin G, Watts C. Utility of commonly captured data from an EHR to identify hospitalized patients at risk for clinical deterioration. AMIA Annu Symp Proc. 2007 Oct 11:404-8.

Kitt S, Liebovitz D. Technology Advancing Care: From Scarcity to Abundance. American Journal of Medical Quality. 2010 March/April 295.

Selected Presentations (5 years)

Society for Healthcare Epidemiology of America Poster: Compliance with CDC Recommendations among Interventional Radiologists: Results of a national online survey. April 2007

SGIM Poster: Reduction in Preventable Codes by Implementation of a Rapid Response Team. Toronto. April 2007

AHRQ Poster: Medications at Transitions and Clinical Handoffs. Nashville, TN. May 2007

HIMSS Summit: Adopting Health Information Technology. San Diego, CA. June 2007

Invited Scottsdale Institute Panelist: CMIO Perspectives on HIT Directions, Traverse City, MI August 2007

Poster Presentation, 45th Annual Meeting, Infectious Diseases Society of America, San Diego CA Reddy P, Liebovitz D, Chrisman H, Nemcek A, Noskin GA. Infection Control (IC) Practices Among Interventional Radiologists (IRs): Results of a National Online Survey. San Diego, CA. October 2007

Invited Greater Chicago Chapter Health Information Management Systems Society Presentation. Providing Electronic Health Records for Affiliated Physicians. Chicago, IL. October 2007

Invited Speaker on Using Technology in Teaching, University of Chicago, March 2008, March 2009, March 2010.

Chicago Patient Safety Foundation Poster Presentation: Using the Medical Record to Improve Communication among Clinicians. Chicago, IL. March 2008

Invited GE HealthCare Division Engineering Team Presentation. EMR – Future State. Barrington, IL. May 2009

Invited Greater Chicago Chapter Health Information Management Systems Society. Title Panel presentation: EHR Usability. Chicago, IL. May 2009

Physician Perspectives and Data Driven Improvements. American Society of Hospital Pharmacists National Meeting. Rosemont, IL. June 2009

University Health Systems Consortium Presentation: Technology Advancing Care: From Scarcity to Abundance. Atlanta, GA. August 2009

Invited Usability Webinar Presentation. UserCentric free online series: HIT Usability. Helping Physicians Work Faster and Smarter. Chicago, IL. September 2009

Scottsdale Institute Webinar: The Evolution of Clinical Data Exchange. Chicago, IL. March 2010.

Invited Midwest Healthcare Stimulus Exchange Panelist. Regional Collaboration, Examining the Impact of the Stimulus on Healthcare Information Exchange & EMR Adoption. June 2010.

Experience Based Access Management. C Gunter, D Liebovitz, B Malin. USENIX Workshop on Health Security and Privacy Presentation: Washington, DC. August 2010.

Effective Clinical Intelligence: A Key Lever for Improvement. S Kitt, D Liebovitz. University HealthSystem Consortium 2010 Fall Quality and Safety Forum. San Diego, CA. September 2010.

Human Factors and Ergonomics Society: Electronic Health Records: Physician's Perspective on Usability Panelist. San Francisco, CA. September 2010.

Meaningful Use and Meaningful Learning: Electronic Health Records as a Platform for Competency-Based Education. Workshop co-organizer and panelist. Midwest Regional Meeting, Society of General Internal Medicine. Chicago, IL. September 2010.

Poster Presentation SHM Hospital Medicine: Use Of 24-Hour Electronic Alerts to Increase Venous Thromboembolism (VTE) Prophylaxis Usage in Medicine Patients. May 2011.

CMIO Workshop Precourse pending November 2012 (AMIA)

Strategies to Improve Problem List Management within Clinical EHR Workflow (IHTSDO – pending 10/2012)