

**Mafi, John N., M.D., M.P.H.**  
Curriculum Vitae

**CONTACT INFORMATION:**

Office Address: 911 Broxton Avenue, Los Angeles, CA 90024  
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**EDUCATION**

- 2004 B.A. History Northwestern University, Evanston, IL
- 2009 M.D. Medicine Case Western Reserve University School of Medicine, Cleveland, OH
- 2015 M.P.H. Program in Clinical Effectiveness Harvard T.H. Chan School of Public Health, Boston, MA

Postdoctoral Training

- 2009-2012 Intern and Resident Internal Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School
- 2012-2015 Fellow in General Internal Medicine and Primary Care Internal Medicine Beth Israel Deaconess Medical Center, Harvard Medical School
- 2013-2014 Chief Medical Resident, Beth Israel Deaconess Medical Center, Harvard Medical School

**LICENSURE**

- 2012 Diplomate, American Board of Internal Medicine
- 2012 Massachusetts Medical License, Active
- 2014 Ohio Medical License, Active
- 2015 California Medical License, Active

**PROFESSIONAL EXPERIENCE**

- 2009-2012 Clinical Fellow in Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School
- 2012-2015 Clinical and Research Fellow Medicine Beth Israel Deaconess Medical Center, Harvard Medical School
- 2015-Present Assistant Professor of Medicine, Division of General Internal Medicine and Health Services Research, UCLA David Geffen School of Medicine

2015-Present Affiliated Adjunct in Health Policy, RAND Corporation

## PROFESSIONAL ACTIVITIES

- 2000 U.S. Congressional Intern Hon. Dennis J. Kucinich, OH 9th district, United States House of Representatives, 106th Congress
- 2004-2005 Research Assistant Vahid Yaghmai, M.D., Northwestern University Feinberg School of Medicine, Chicago, IL
- 2004-2005 Professional Guitarist and Guitar Teacher Tommy McCracken and the Force of Habit Blues Band, Chicago, IL
- 2004-2005 Teacher for the SAT, ACT, and MCAT exams Kaplan Test Prep, Chicago, IL
- 2006-2007 Student Body President Case Western Reserve University School of Medicine, Cleveland, OH
- 2009 Chapter President, Alpha Omega Alpha Honor Society Case Western Reserve University School of Medicine, Cleveland, OH

### Clinical Activities and Innovations

- 2012-2015 Attending Physician Beth Israel Deaconess Medical Center General Medical Teaching Service Three weeks of ward attending service per year as a General Medicine Fellow
- 2012-2015 Attending Physician Veterans Affairs Hospital in Boston Moonlight as a Nocturnist two times monthly
- 2013-2014 Attending Physician Beth Israel Deaconess Medical Center General Medical Teaching Service Eight weeks of ward attending service as a Chief Medical Resident
- 2015-Present Primary Care Attending Physician (2 clinical sessions per week) and Hospital Medicine Attending Physician (1 month of service per year) at Ronald Reagan UCLA Medical Center

### Committee Service

#### Local

- 2004 Student Advisory Board Northwestern University, Department of History, Student Co-Representative
- 2005-2009 Committee of Student Representatives Case Western Reserve University School of Medicine, Representative
- 2009-2012 Internal Medicine Housestaff Council Beth Israel Deaconess Medical Center, Representative
- 2011 GME Resident Task Force: ACMGE Site Visit Beth Israel Deaconess Medical Center, Resident Representative
- 2013-2014 Department of Medicine Leadership Beth Israel Deaconess Medical Center, Committee Member

- 2013-2014 Department of Medicine Residency Candidate Interview Committee Beth Israel Deaconess Medical Center, Member
- 2013-2015 General Medicine Grand Rounds Planning Committee Beth Israel Deaconess Medical Center, Member
- 2014-2015 Fellows' Curriculum Committee Harvard Medical School Fellowship in General Medicine and Primary Care, Co-Coordinator

#### Professional Societies

- 2009 American College of Physicians Member
- 2012 Massachusetts Medical Society Member
- 2011 Society of General Internal Medicine Member
- 2013 AcademyHealth Member

#### Editorial Activities

- 2012 - Ad Hoc Reviewer for the Journal of Digital Imaging
- 2012 - Ad Hoc Reviewer for HealthCare: The Journal of Delivery Science and Innovation
- 2013 - Ad Hoc Reviewer for JAMA Internal Medicine
- 2014 - Ad Hoc Reviewer for the Annals of Internal Medicine
- 2014 - Ad Hoc Reviewer for the American Journal of Managed Care
- 2014 - Ad Hoc Reviewer for Health Expectations
- 2015 - Ad Hoc Reviewer for the Journal of General Internal Medicine

#### **HONORS AND SPECIAL AWARDS**

- 2004 Cum Laude and with Honors Northwestern University Honors for Senior Thesis evaluating England's colonial influence in Iran
- 2006 T35 Research Grant Award  
National Institute of Health Project assessing prognostic value of cardiac biomarkers
- 2007 Research Abstract Award Case Western Reserve University School of Medicine  
Irwin Lepow Medical Student Research Day Project assessing prognostic value of cardiac biomarkers

- 2009      Max Miller Award Case Western Reserve University School of Medicine  
Awarded for intellectual curiosity
- 2009      Myron F. Kanter Endowment Fund Award Case Western Reserve University  
School of Medicine Awarded for excellence in cardiology
- 2009      Alpha Omega Alpha Honor Society Case Western Reserve University School of  
Medicine
- 2010      James Tullis Award Beth Israel Deaconess Medical Center Awarded for  
Intellectual growth and enthusiasm for learning
- 2010      Patient Advocacy Award Beth Israel Deaconess Medical Center Awarded to an  
intern by nursing staff
- 2010      Winner Clinicopathologic Conference Beth Israel Deaconess Medical Center for  
correctly diagnosing metastatic hepatocellular carcinoma
- 2012      Resident as Teacher Award Beth Israel Deaconess Medical Center voted best  
teacher on the medical wards by Harvard Medical Students
- 2013      Finalist, Mack Lipkin Award Society of General Internal Medicine, 36th Annual  
Conference, Denver, CO Project assessing patient engagement after inviting them  
to read doctors' notes
- 2014      Best Oral Research Presentation Award Society of General Internal Medicine  
New England Regional Conference, for project evaluating national trends in  
headache management
- 2014      Outstanding Research Abstract Award Resident and Fellows Research Day, Beth  
Israel Deaconess Medical Center, Boston, MA Project evaluating national trends  
in headache management
- 2015      Outstanding Reviewer Award, Annals of Internal Medicine, recognized by Editor-  
in-Chief for outstanding manuscript reviews

## **RESEARCH GRANTS AND FELLOWSHIPS RECEIVED**

2012 – 2015 Harvard Medical School Fellowship in General Medicine and Primary Care, with support from the Health Resources and Services Administration of the Department of Health and Human Services

### Unfunded Projects

2012 - Worsening Trends in the Management and Treatment of Back Pain

Project: Given the Choosing Wisely campaign's recent focus on use of imaging and opioids in the management of back pain, we evaluated national trends in back pain management in the United States over the past decade. Using a nationally representative database, we found alarming trends in overuse of CT, MRI, specialty referrals, and opioid use with a concomitant decline in first-line therapies such as ibuprofen. The results were published as the lead article in *JAMA Internal Medicine*, including an invited commentary,

and received widespread international recognition and coverage including *The New York Times*, *NPR*, *USA Today*, *news@JAMA*, *LA Times*, *The Boston Globe*, *Physician's First Watch*, *Kaiser Health News*, *CBS News*, *NBC Nightly News*, and interviews on local television networks.

Role: Project Leader

Mentor: Bruce E. Landon

2012 - Inviting Patients to Read their Doctors' Notes: Who reads them and what happens over time?

Project: In the OpenNotes trial, primary care physicians invited patients to read their visit notes and initial findings revealed considerable patient enthusiasm, with little impact on physician workflow. We examined which factors predicted viewing notes. We found that note viewing persists, but may decline substantially in the absence of ongoing invitations. We concluded that to promote patient engagement, patients should receive frequent invitations to review clinicians' notes, particularly when chronic illness is present. The manuscript for this work is currently under review.

Role: Project Leader

Mentor: Tom Delbanco and Christina Wee

2012 - Trends in quality of care in outpatient visits to generalist and specialist physicians delivering primary care in the United States, 1997-2010.

Project: Using a nationally representative database, we evaluated national trends in the quality of primary care comparing generalists versus specialists. We found that medical specialists are less frequently serving as PCPs for their patients over time, dropping from 30.6% in 1997 to 9.8% in 2010. Specialists provided better quality of care within their own realm of specialization, while generalists more often provided preventive care and provided more comprehensive care. The results were published in the *Journal of General Internal Medicine*.

Role: Co-investigator

Mentor: Bruce E. Landon

2013 - Trends in the Ambulatory Management of Headache: NAMCS and NHAMCS, 1999-2010.

Project: We evaluated national trends in the quality of headache management, with particular attention paid to the use of high-cost advanced imaging and specialty referrals. Using a nationally representative database, we again found alarming trends in the overuse of CT, MRI, and specialty referrals as well as a concomitant decline in use of first-line lifestyle modification counseling for headache. The manuscript was published in the *Journal of General Internal Medicine* and received widespread recognition and coverage including *NPR*, *LA Times*, *Reuters*, *ABC News Radio*, *The Boston Globe*, *Medscape*, *Men's Health*, *Physician's First Watch*, *Kaiser Health News*, *BMJ News*, and interviews on local television networks.

Role: Project Leader

Mentor: Bruce Landon

2014 - The Impact of High Deductible Health Plans on Low Value Health Care Services

Project: Using a large national insurance claims database, we seek to assess the impact of switching to a high deductible health plans compared to similar non-deductible plans on

utilization and the quality of care. Using a pre/post quasi-experimental difference-indifferences design, we will assess the impact of high deductibles on use of CT, MRI, specialty procedures, and medication prescriptions in the management of back pain.

Role: Project Leader

Mentor: Bruce Landon

### *Funded Projects*

2015 - OurNotes: Patients and Clinicians Collaborating on their Medical Records

Project: I co-led a grant proposal with the OpenNotes team and we won \$457,000 from the Commonwealth Fund to develop a prototype for visit notes written jointly by clinicians and patients. I am leading a project where we are interviewing a number of national experts to solicit ideas on this general concept and also on some specific approaches we are considering. These findings will ultimately inform a prototype intervention, which we will pilot at five sites across the country.

Role: Co-Investigator

Mentors: Tom Delbanco and Jan Walker

2015 – Implementation and Evaluation of a Choosing Wisely Intervention in Los Angeles County to Reduce Unnecessary/Potentially Harmful Care.

Project: We received a grant from the American Board of Internal Medicine to reduce low value care across Los Angeles County. As a co-investigator, I hope to contribute to our long-term goal of transforming the pervasive culture that “more care=better care” to one in which providers and patients are empowered to question the appropriateness of tests and procedures, participate in shared-decision making, and dramatically decrease use of low value care. We seek to capitalize on this momentum and to implement, evaluate and disseminate a 2-level intervention targeting both providers (“supply-side”) and patients (“demand-side”) in order to advance our mission and reduce by 20% utilization of three treatments discouraged by Choosing Wisely: 1) imaging for nonspecific low back pain; 3) pre-operative testing; 3) antibiotics for viral-based upper respiratory illness. We also seek to increase: 1) provider awareness and endorsement of evidence-based Choosing Wisely recommendations; and 2) patient willingness to engage in shared-decision making about low value care.

Role: Co-Investigator

Mentor: Catherine Sarkisian

### **LECTURES AND PRESENTATIONS**

2015            “Evaluating and Improving Quality in Our Healthcare System” General Medicine Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA

2015            “Inviting Patients to Read their Doctors’ Notes: Current Lessons and Future Directions” CME Lecture at Massachusetts Institute of Technology Medical Division”

- 2015 “Inviting Patients to Read their Doctors’ Notes: Current Lessons and Future Directions” Benjamin Lipson Memorial Lecture at Massachusetts General Hospital at the Stoekle Center for Primary Care Innovation, Boston, MA
- 2015 “Collect – Big Data and Health Information: Improving Population and Public Health” U.S. Office of the National Coordinator for Health Information Technology Annual Meeting – served as Expert Panelist during Plenary Presentation in Washington, D.C.

Teaching

- 2012 The Diagnosis of Coronary Artery Disease Senior Teacher Lecture to Medical students Beth Israel Deaconess Medical Center, Boston, MA
- 2013-2015 Introduction to Health Policy and the Affordable Care Act Internal medicine residents Beth Israel Deaconess Medical Center, Boston, MA, six lectures
- 2013 - 2014 Morbidity and Mortality Conference Department of Medicine faculty and trainees Beth Israel Deaconess Medical Center, Boston, MA, led 1 conference per month
- 2013 – 2014 Intern and Resident Report Internal medicine interns and residents Beth Israel Deaconess Medical Center, Boston, MA, led 2 conferences per week
- 2015 “The History of Healthcare Reform in the United States” General Medicine Conference Lecture, VA Boston Healthcare System, Boston, MA

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Bibliography

**RESEARCH PAPERS**

**RESEARCH PAPERS (PEER REVIEWED)**

**A. RESEARCH PAPERS - PEER REVIEWED**

1. McMullin N, Lindsell CJ, Lei L, **Mafi J**, Jois-Bilowich P, Anantharaman V, Pollack CV, Hollander JE, Gibler WB, Hoekstra JW, Diercks D, Peacock WF. Outcomes associated with small changes in normal range cardiac markers. *Am J Emerg Med*. 2011;29(2):162-167.
2. Yaghmai V, Aghaei-Lasboo A, Brandwein WM, Tochetto S, **Mafi JN**, Miller FH, Nikolaidis P. MDCT appearance of the appendix: how does the low-density barium sulfate oral contrast agent affect it? *Emerg Radiol*. 2011;18(1):11-15.
3. **Mafi J**, Fei B, Roble S, Dota A, Katrapati P, Bezerra H, Wang H, Wang W, Ciancibello L, Costa M, Simon D, Orringer C, Gilkeson R. Assessment of Coronary Artery Calcium Using Dual Energy Subtraction Digital Radiography. *J Digit Imaging*. 2012;25(1):129-36.
4. **Mafi J**, McCarthy E, Davis R, Landon B. Worsening Trends in the Management and Treatment of Back Pain. *JAMA Intern Med*. 2013;173(17):1573-81.
5. Edwards S, **Mafi J**, Landon B. Trends and quality of care in outpatient visits to generalist and specialist physicians delivering primary care in the United States, 1997-2010. *J Gen Intern Med*. 2014; 29(6):947-55.
6. **Mafi J**, Edwards S, Pedersen N, Davis R, McCarthy E, Landon B. Trends in the Ambulatory Management of Headache: Analysis of NAMCS and NHAMCS Data, 1999-2010. *J Gen Intern Med*. 2015; 30(5):548-55.

**B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS)**

**C. RESEARCH PAPERS - PEER REVIEWED (SUBMITTED)**

1. **Mafi J**, Litmanovich D, Mukamal K, Popma J, Gautam S, Khabbaz K, Hagberg R. Thoracic Aortic CT Calcium Score and the Risk of Post-Operative Embolic Events.
2. **Mafi J**, Mejilla R, Feldman H, Ngo L, Darer J, Delbanco T, Wee C, Walker J. Inviting Patients to Read their Doctor's Notes: Who reads them and what happens over time?
3. **Mafi J**, Wee C, Davis R, Landon B. Comparing Use of Low Value Healthcare Services Among U.S. Advanced Practice Clinicians and Physicians.
4. **Mafi J**, Rotherberg M, Sepucha K, Barry M. Time for the Quality Movement to get Personal.

**RESEARCH PAPERS (NON-PEER REVIEWED)**



**D. RESEARCH PAPERS - NON-PEER REVIEWED**

**E. RESEARCH PAPERS - NON-PEER REVIEWED (IN PRESS)**

None

**F. RESEARCH PAPERS - NON-PEER REVIEWED (SUBMITTED)**

None

**CHAPTERS**

Gibson C, **Mafi J**, Harada R, Tu T, Bigelow B. (2010, July 1). Percutaneous Coronary Intervention (PCI) in the Calcified Lesion [http://en.wikidoc.org/index.php/PCI\\_in\\_the\\_Calcified\\_Lesion](http://en.wikidoc.org/index.php/PCI_in_the_Calcified_Lesion). Also published in January 2011 by PocketMedicine.com as book chapter of Treatment Strategies in Interventional Cardiology textbook.

**CHAPTERS (IN PRESS)**

None

**LETTERS TO THE EDITOR**

1. **Mafi J**, Edwards S, Pedersen N, Landon B. Trends in Headache Management. J Gen Intern Med. 2015;30(5):548-55.
2. **Mafi J**, Landon B. Assessment and management of back pain—reply. JAMA Intern Med. 2014; 174(3):479-80.

**REVIEWS**

None

**EDITORIALS**

None

**PAPERS IN PREPARATION (RESEARCH COMPLETED)**

**ABSTRACTS**

1. **Mafi J**. Eosinophilia: A systematic approach can lead to an exciting diagnosis. (2011 May) Poster presentation at the Society of General Internal Medicine 34th Annual Meeting; Phoenix, AZ.
2. **Mafi J**, Brockmeyer D, Gervino E, et al. Evidenced-based decision support to enhance stress test ordering: a QI project (2012 May) Poster presentation at the Society of General Internal Medicine 35<sup>th</sup> Annual Meeting; Orlando, Florida.

3. **Mafi J**, Brockmeyer D, Gervino E, et al. Evidenced-based decision support to enhance stress test ordering: a QI project (2012 May) Poster presentation at Beth Israel Deaconess Medical Center Resident and Fellow Research Day, Boston, MA.
4. **Mafi J**, Brockmeyer D, Gervino E, et al. Evidenced-based decision support to enhance stress test ordering: a QI project (2012 May) Poster presentation at the Silverman Quality Improvement Symposium, Beth Israel Deaconess Medical Center, Boston, MA.
5. **Mafi J**, McCarthy E, Davis R, Landon B. National Trends in the Management of Neck and Back Pain (2013 April). Poster presentation at the Society of General Internal Medicine 36th Annual Meeting; Denver, CO.
6. **Mafi J**, McCarthy E, Davis R, Landon B. National Trends in the Management of Back Pain (2013 June). Poster Presentation at Beth Israel Deaconess Medical Center Resident and Fellow Research Day, Boston, MA.
7. **Mafi J**, McCarthy E, Davis R, Landon B. National Trends in the Management of Neck and Back Pain (2013 June) Poster Presentation at Academy Health Annual Research Meeting; Baltimore, MD.
8. **Mafi J**, Edwards S, Pedersen N, Davis R, McCarthy E, Landon B. Worsening Trends in the Ambulatory Management of Headache (2014 June) Poster Presentation at Academy Health Annual Research Meeting; San Diego, CA.
9. **Mafi J**, Edwards S, Pedersen N, Davis R, McCarthy E, Landon B. Worsening Trends in the Ambulatory Management of Headache (2014 June) Poster Presentation at Beth Israel Deaconess Medical Center Resident and Fellow Research Day, Boston, MA.
10. **Mafi J**, Wee C, Davis R, Landon B. Comparing Use of Low Value Healthcare Services Among U.S. Advanced Practice Clinicians and Physicians (2015 June) Poster Presentation at Academy Health Annual Research Meeting; Minneapolis, MN.

#### **Oral Abstract Presentations:**

1. Yaghmai V, Nikolaidis P, Hammond N, **Mafi J**, Miller FH, Gore RM. (2005, May). CT Evaluation of Small Bowel Obstruction Based on Coronal Reformations Alone: Accuracy and Practical Implications. Oral Presentation presented at: The American Roentgen Ray Society; New Orleans, LA.
2. Yaghmai V, Nikolaidis P, Hammond N, **Mafi J**, Miller FH, Berlin JW. (2005, February). CT Diagnosis of Small Bowel Obstruction Using Coronal Reformations Without the Aid of Axial Images: Accuracy and Practical Implications. Oral Presentation presented at: The Society of Gastrointestinal Radiologists; San Antonio, TX.
3. Yaghmai V, Nikolaidis P, Hammond N, **Mafi J**, Miller FH. (2005, May). Diagnosing Small Bowel Obstruction on CT Using Coronal Reformations Alone: Accuracy and Effect on Workflow. Oral Presentation presented at: Association of University Radiologists; Quebec, Canada.
4. Nikolaidis P, Hammond N, Yaghmai V, **Mafi J**, Papanicolaou N, Miller. (2005, September). Incidence of visualization of the normal appendix on different commonly utilized

unenanced and post-Gadolinium pelvic MRI sequences. Oral Presentation presented at: European Society for Magnetic Resonance in Medicine and Biology; Basel, Switzerland.

5. **Mafi J**, Fei B, Gilkeson R, Roble S, Dota A, Katrapati P. (2009 December) Quantification of Coronary Artery Calcium Using Dual-energy Subtraction Digital Radiography. Oral Presentation presented at the Scientific Assembly and Annual Meeting of the Radiological Society of North America; Chicago, IL.
6. **Mafi J**, Mejilla R, Feldman H, Walker J, Ngo L, Darer J, Wee C, Delbanco T. Inviting Patients to Read their Doctor's Notes: Who reads them and what happens over time? (April 2013) Oral Presentation in the Lipkin Finalist Competition at the Society of General Internal Medicine 36th Annual Meeting; Denver, CO.
7. **Mafi J**, Mejilla R, Feldman H, Walker J, Ngo L, Darer J, Wee C, Delbanco T. Inviting Patients to Read their Doctor's Notes: Who reads them and what happens over time? (June 2013) Oral Presentation as a Health Policy Panel Discussant on Patient Centered Outcomes Research at Academy Health Annual Research Meeting; Baltimore, MD.
8. **Mafi J**, Edwards S, Pederson N, Davis R, McCarthy E, Landon B. Worsening Trends in the Ambulatory Management of Headache (March 2014) Oral Presentation at the New England Regional Society of General Internal Medicine Conference; Boston, MA.
9. **Mafi J**, Edwards S, Pederson N, Davis R, McCarthy E, Landon B. Worsening Trends in the Management and Treatment of Headache (April 2014) Oral Presentation at the Society of General Internal Medicine National Conference; San Diego, CA.
10. **Mafi J**, Wee C, Davis R, Landon B. Comparing Use of Low Value Healthcare Services Among Advanced Practice Clinicians and Physicians (March 2015) Oral Presentation at the Society of General Internal Medicine New England Regional Meeting; Boston, MA.
11. **Mafi J**, Wee C, Davis R, Landon B. Comparing Use of Low Value Healthcare Services Among Advanced Practice Clinicians and Physicians (April 2015) Oral Presentation at the Society of General Internal Medicine National Conference; Toronto, CA.