

Jeremy B. Sussman, M.D, M.S.
Assistant Professor
Department of Internal Medicine, Division of General Medicine
Core Investigator, Center for Clinical Management Research,
Ann Arbor VA HSR&D Center of Excellence
North Campus Research Complex
2800 Plymouth Road, Building 16, Room 335E
Ann Arbor, MI 48109-2800
Phone: (734) 845-5200
jeremysu@med.umich.edu

Education

06/1994-05/1998 Bachelor of Arts, *magna cum laude*; Amherst College, Amherst, MA
Biology major with departmental distinction
06/1995-08/1995 Language Immersion Program; Pontificia Universidad Del Ecuador.
Georgetown University, Quito, Ecuador
07/2000- 07/2003 MSc in Health and Medical Sciences; University of California, Berkeley, CA
UC Berkeley/UC San Francisco Joint Medical Program
07/2000- 07/2005 Doctor of Medicine; University of California, San Francisco, CA
07/2008-06/2009 MSc in Health and Healthcare Research; University of Michigan School of
Medicine, Ann Arbor, MI as part of Robert Wood Johnson Clinical Scholars
Program

Training

07/2005- 07/2008 Internship and Residency; Department of Internal Medicine,
Yale-New Haven Hospital, New Haven, CT
07/2008-6/2011 Robert Wood Johnson Clinical Scholars Program; University of Michigan,
Ann Arbor, MI. Robert Wood Johnson Clinical Scholars Fellow in health
and health care research. Veterans Affairs Scholar

Certification and Licensure

04/2003 National Board of Medical Examiners Step I
02/2005 National Board of Medical Examiners Step II
07/2005 Advanced Cardiac Life Support
07/2005 DEA Licensure, Connecticut
03/2008 National Board of Medical Examiners Step III
03/2008- Present Recertified for Advanced Cardiac Life Support
08/2008- Present DEA Licensure, Michigan
08/2008- Present State Medical License, Michigan #4301093368
08/2008- Present Board Certified in Internal Medicine

Academic Appointments

- 08/1998-08/1999 Intramural Research Training Award Fellow.
National Institute on Aging Epidemiology, Demography, and Biometry
Program.
National Institutes of Health, Bethesda, MD
Tamara Harris, MD, MS, mentor
Epidemiologic studies of the molecular bases of aging
- 08/1999-07/2000 Research Assistant, Hospital for Special Surgery, New York, NY
Pamela Williams-Russo, MD, MS, mentor
Clinical research in rheumatology
- 07/2008- 6/2013 Clinical Lecturer, Division of General Medicine, University of Michigan
Medical School
- 07/2011- 6/2013 Research Scientist, VA Center for Clinical Management Research,
VA Ann Arbor Healthcare System
- 12/2008-present Medicine Staff Physician, Primary Care, Veterans Affairs Ann Arbor
Healthcare System
- 7/1/2013-present Assistant professor, Division of General Internal Medicine and Health
Services Research; University of Michigan, Ann Arbor, MI
- 7/1/2013-present Core Investigator, Center for Clinical Management Research,
Veterans Affairs Ann Arbor Healthcare System

Clinical Appointments

- 12/2008- present Medicine Staff Physician, Primary Care, Veterans Affairs Ann Arbor
Healthcare System

Research Interests

My primary research interests are in improving the personal tailoring of medical decisions, particularly for the primary prevention of cardiovascular disease. My work uses risk prediction and evidence from randomized trials to determine which patients will benefit from established treatments, with the goals of making treatments more efficient and patient-centered. I am also interested in improving the risk prediction tools that are central to effective decision-making. Future work will examine the facilitators and barriers to implementation of more personally tailored recommendations.

Grants

Current

Project Number: HFP 83-014 (EA Kerr)
Source: VA Health Services Research and Development
Title of Project: VA Center for Clinical Management Research
Dates of Project: 10/01/07-09/30/13
Annual Direct Costs: \$900,000
Major Goals: Ongoing VA Health Services Research & Development Center of Excellence grant.
Role: Co-Investigator
Overlap: None

Project Number: IIR 11-088 (Hayward)
Source: VA Health Services Research and Development
Title of Project: Developing and Validating a Veterans Affairs Cardiac Risk Score
Dates of Project: 09/01/12-2/28/16
Annual Direct Costs: \$241,412
Major Goals: This project will develop, and assess the merits of, VA electronic medical record-derived cardiovascular disease risk prediction tools, one using standard regression models and one using machine learning models. The more successful model will be used in individualized treatment algorithms that make cardiovascular medication decisions more efficient and effective
Role: Co-Investigator
Overlap: None

Source: NIDDK DK20572-31
Title of Project: Michigan Diabetes Research and Training Center
Dates of Project: 12/01/02 - 11/30/12
Major Goals: The major goals of the Diabetes Research and Training Center are to meet the needs of investigators and thereby support and strengthen the University's interdepartmental activities in research, training and outreach in the field of diabetes, its complications, and related endocrine and metabolic disorders.
Role: Investigator, Measurement Core
Overlap: None

Pending

Source: VA Health Services Research and Development Career Development Award
Title of Project: Implementation research of benefit-based treatment for cardiovascular disease
Role: Primary Investigator
Major Goals: This project will develop and assess tools and approaches to improve cardiovascular disease prevention by preparing for the implementation of "benefit-based tailored treatment," a method of guiding clinical decisions by the estimated benefit of a specific clinical decision. This grant will focus on the development and assessment of a clinician-based decision support tool and a performance profiling system to encourage implementation.
Overlap: None

Completed

Source: Johnson and Johnson Foundation
Title of Project: **Johnson and Johnson International Health Fellow**
Dates of Project: 11/2007-12/2007
Annual Direct Costs: \$6000
Major Goals: Provide direct medical care, medical instruction, and begin development of a Directly Observed Therapy program for Tuberculosis prevention at a health clinic in rural Borneo, Indonesia.
Role: Fellow
Overlap: None

Honors and Awards

04/1998 Emergency Medical Technician of the Year Award, Amherst College
Emergency Medical Services
05/1998 Amherst College *magna cum laude* with Departmental Distinction
05/1998 Oscar E. Schotte Scholarship Prize in Biology, Amherst College

Memberships in Professional Societies

01/2010- present Society of General Internal Medicine
10/2010- present Society for Medical Decision Making
09/2011- present Michigan Center for Diabetes Translational Research

Teaching

08/1996-05/1997 Laboratory Teaching Assistant, Amherst College, Amherst, MA
Molecules, Genes, and Cells; and *Adaptation and Organism*
01/1998-05/1998 Peer Tutor, Amherst College, Amherst, MA: *Biostatistics*
07/2008-06/2008 Internal Medicine: As Intern and Resident taught medical students and interns regularly
10/2009 Small Group Leader, Medical Decision-Making/Evidence-Based Medicine course for second-year medical students, University of Michigan, Ann Arbor, MI
06/2010- present Medical Student Preceptor

Committee, Organizational, and Volunteer Service

08/1995-05/1997 Chair, Campus Center Program Board. Amherst College, Amherst, MA.
Scheduled, coordinated, and produced almost 40 concerts and special events.
02/1997-05/1998 Student Emergency Medical Technician. Amherst College Emergency Medical Services, Amherst, MA
08/2000-03/2003 Student Member, Curriculum Committee. UC Berkeley/UC San Francisco Joint Medical Program

07/2001-06/2002	Suitcase Clinic Medical Clinic Co-Coordinator. Weekly homeless clinic in Berkeley; oversaw volunteer recruitment, patient triage, clinic policy development.
08/2001-03/2003	Student Member, Technology Committee, Joint Medical Program
10/2005-04/2006	Resident Member, Re-organizing the Workday Committee. Yale-New Haven Hospital Department of Internal Medicine
06/2011- present	Evidence-Based Medicine Task Force, Society of General Internal Medicine.
12/2012- present	Choosing Wisely Committee, Society of General Internal Medicine.

Bibliography

Peer-Reviewed Publications

1. Ewald PW, **Sussman JB**, Distler MT, Libel C, Chammas WP, Dirita VJ, Salles CA, Vicente AC, Heitmann I, Cabello F. Evolutionary control of infectious disease: prospects for vectorborne and waterborne pathogens. *Memorias do Instituto Oswaldo Cruz* 1998; 93(5): 567-576.
2. **Sussman JB**, Hayward RA. An IV for the RCT: using instrumental variables to adjust for treatment contamination in randomised controlled trials. *BMJ*. 2010 May; 340(c2073). PMID: PMC3230230.
3. **Sussman JB**, Davis MM. Hospitals during recession and recovery: vulnerable institutions and quality at risk. *J Hosp Med*. 2010 May-Jun; 5(5):302-5. PMID not required.
4. Flower K, Post A, **Sussman J**, Tangherlini N, Mendelson J, Pletcher MJ. Validation of triage criteria for deciding which apparently inebriated persons require emergency department care. *Emerg Med J*. 2011; 28(7):579-84. PMID not required.
5. Zulman DM, **Sussman JB**, Chen X, Cigolle CT, Blaum CS, Hayward RA. Examining the Evidence: A Systematic Review of the Inclusion and Analysis of Older Adults in Randomized Controlled Trials. *J Gen Intern Med*. 2011;26(7):783-90. PMID: PMC3138606.
6. **Sussman JB**, Vijan S, Choi HJ, Hayward RA. Individual and Population Benefits of Daily Aspirin Therapy: A Proposal for Personalizing National Guidelines. *Circ Cardiovasc Qual Outcomes*. 2011 May 1;4(3):268-75. NIHMSID: NIHMS284215.
7. Chopra V, Wesorick DH, **Sussman JB**, Greene T, Rogers M, Froehlich JB, Eagle KA, Saint S. Effect of Perioperative Statins on Death, Myocardial Infarction, Atrial Fibrillation, and Length of Stay: A Systematic Review and Meta-Analysis. *Arch Surg*. 2012 Feb; 147(2):181-9.
8. **Sussman JB**, Zulman DM, Hayward R, Hofer TP, Kerr EA. Cardiac risk is not associated with hypertension treatment intensification. *Am J Manag Care*. 2012 Aug; 18(8):414-420. PMID: PMC3682773.

9. Kennedy EH, Wiitala WL, Hayward RA, **Sussman, JB**. Improved cardiovascular risk prediction using nonparametric regression and electronic health record data. *Med Car*. 2013 Mar; 51(3):251-8. NIHMSID:NIHMS429046.
10. Smith K, **Sussman JB**, Bernstein S, Hayward RA. Improving the Reliability of Physician Report Cards. *Med Car*. 2013 Mar;51(3):266-74. PMID: PMC3669898.
11. Piette JD, **Sussman JB**, Pfeiffer PN, Silveira MF, Singh S, Lavieri MS. Maximizing the Value of Mobile Health Monitoring by Avoiding Redundant Patient Reports: Prediction of Depression-Related Symptoms and Adherence Problems in Automated Health Assessment Services. *J Med Interest Res*. 2013 Jul; 5(7). PMID: PMC3713922.
12. Burke JF, **Sussman JB**, Morgenstern LB, Kerber KA. Time to Stroke Magnetic Resonance Imaging. *J Stroke Cerebrovasc Dis*. 2013 Aug; 22(6): 784-91. PMID not required.
13. **Sussman JB**, Vijan S, Hayward RA. Using Benefit-Based Tailored Treatment to Improve the Use of Antihypertensive Medications. *Accepted to Circulation*
14. Piette JD, Aikens J, Rosland AM, **Sussman JB**. Re-Thinking the Frequency of Between Visit Monitoring for Patients with Diabetes. *Revise and resubmit to Medical Care*
15. Piette JD, Farris K, Newman S, An L, **Sussman JB**, Singh S. The Potential Impact of Intelligent Systems for Mobile Health Self-Management Support: An Illustration with Simulations of Text Message Support for Medication Adherence. *Submitted to Medical Decision Making*
16. Sekaran NK, **Sussman JB**, Xu A, Hayward R. Providing clinicians with a patient's 10-year cardiovascular risk improves their statin prescribing: a true experiment using clinical vignettes *Accepted to BMC Cardiovascular Disorders on 4 October 2013*

Abstracts - Presented

- 06/1999 **Sussman JB**, Seeman TE, Albert MS, Berkman LF, Blazer DG, Cohen HJ, Rowe JW, Rueben DB, and Harris TB. Inflammation/mortality association explained by cardiovascular risk factors. *Am J Epidemiol* S62, 149(11)1999 (poster presentation).
- 05/2004 **Sussman JB**, Jain S, Jha AK, Luck J, Peabody J. Clinical vignettes to examine the effect of fatigue on quality of care. *J Gen Intern Med*. 2004 April; 19(s1): 130 (poster presentation).
- 04/2010 **Sussman JB**, Choi HJ, Vijan S, Hayward R. Who should take a daily aspirin? Reconciling personalized medicine with national guidelines. *J Gen Intern Med*. 2010 June; (s1): S433 (oral presentation).
- 05/2011 **Sussman JB**, Zulman D, Hayward R, Hofer T, Kerr E. Clinicians do not account for overall cardiac risk in hypertensive treatment intensification. *J Gen Intern Med*. 2011 June; (s1): S261 (oral presentation).
- 05/2012 **Sussman JB**, Vijan S, Hayward R. Improving the Efficiency of Blood Pressure Treatment with Benefit-Based Decision-Making. *J Gen Intern Med*. 2012 June; (s1): S225 (oral presentation).

- 05/2012 Zipkin D and **Sussman JB**. Comparative Effectiveness – Interpreting cutting edge study designs. Workshop presentation. Society of General Internal Medicine Annual Conference. Presented section on network meta-analysis.
- 05/2013 **Sussman JS**, Wiitala W, Kennedy E, Rodney RA. Hayward The J-Curve in the clinic: Is real-world blood pressure a major cardiovascular risk factor? Society of General Internal Medicine Annual Conference