

ERAN BENDAVID, MD MS

CURRICULUM VITAE

Division of General Internal Medicine
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EDUCATION

<i>Years</i>	<i>Degree</i>	<i>Institution</i>
1993-1996	AB (Chemistry, Philosophy)	Dartmouth College, Hanover, NH
1997-2001	MD	Harvard Medical School, Boston, MA
2006-2009	MS (Health Services)	Stanford University, Stanford, CA

ACADEMIC APPOINTMENTS

<i>Years</i>	<i>Position</i>	<i>Institution</i>
2009-2010	Instructor	Stanford University
2010-	Assistant Professor of Medicine	Stanford University

CLINICAL TRAINING

<i>Years</i>	<i>Position</i>	<i>Institution</i>
2003-2004	Intern in Internal Medicine	Hospital of the U. of Pennsylvania
2004-2005	Resident in Internal Medicine	Stanford Hospital and Clinics
2005-2006	Fellow in Infectious Diseases	Stanford Hospital and Clinics

RESEARCH TRAINING

<i>Years</i>	<i>Position</i>	<i>Institution</i>
2006-2009	Research Fellow, Infectious Diseases	Stanford University
2006-2009	Research Fellow, Health Policy	Stanford University

CLINICAL APPOINTMENTS

<i>Years</i>	<i>Position</i>	<i>Institution</i>
2006-2008	Attending Physician, HIV Clinic	Santa Clara Valley Medical Center
2006-2008	Attending Physician, Emergency Room	Palo Alto VA Medical Center
2008-2009	Clinical Instructor, HIV Clinic	University of California, San Francisco
2009-	Attending Physician, Infectious Diseases	Stanford Hospital and Clinics

TEACHING EXPERIENCE

<i>Years</i>	<i>Contribution</i>
1994-5	Organic Chemistry (TA), Department of Chemistry, Dartmouth College
1995-1996	Inorganic Chemistry (TA), Department of Chemistry, Dartmouth College
1995-1996	Reason and Argument (TA), Department of Philosophy, Dartmouth College
2008	Living in a Microbial World (Instructor), Stanford Continuing Studies

2008-2009 Decision and Cost-Effectiveness Analysis (Co-instructor), University of California, San Francisco.

NON-ACADEMIC APPOINTMENTS

<u>Years</u>	<u>Position</u>	<u>Institution</u>
2006-2009	Research Fellow, Health Policy	Stanford University
2006-2009	Research Fellow, Infectious Diseases	Stanford University
2007-2008	Chief Fellow, Infectious Diseases	Stanford University

LICENSURE AND CERTIFICATION

2003-2004	Pennsylvania Training License #MT182345
2004-	California Medical License #A89110
2004-	DEA License #BB9069851
2006-	American Board of Internal Medicine (ABIM)
2008-	Board certified in Infectious Diseases

PROFESSIONAL SOCIETIES

<u>Years</u>	<u>Position</u>	<u>Society</u>
2004-2008	Associate	American College of Physicians
2005-2009	Member-In-Training	Infectious Diseases Society of America
2006-	Member	Society for Medical Decision Making
2007-2008	Member	American Public Health Association

JOURNAL REVIEWS

<u>Year started</u>	<u>Journal Name</u>
2007	Medical Decision Making
2007	Management Science
2007	Antiviral Therapy
2008	Journal of Epidemiology and Community Health
2008	Pharmacoeconomics
2008	PLoS ONE
2008	PLoS Medicine
2008	New England Journal of Medicine
2009	Annals of Internal Medicine
2009	Lancet
2009	AIDS

AWARDS AND HONORS

<u>Year</u>	<u>Award Name</u>
1996	<i>Summa cum laude</i> , Dartmouth College
1996	Phi Beta Kappa, Dartmouth College
1996	Department of Chemistry Award for Outstanding Major, Dartmouth College
1997-2001	Alfred K. Priest Award, Harvard Medical School
1999	Dean's Community Service Award, Harvard Medical School
2001-	Aesculapian Society Alumnus, Harvard Medical School
2006	Jack Remington Award for Clinical Excellence in Infectious Diseases
2007	APHA David Rosenstein Award for Best Student Abstract
2010	Dr. George Rosenkranz Prize for Health Care Research in Developing Countries

MENTORSHIP AND SUPERVISION

I. DOCTORAL STUDENTS

Eva Enns, PhD candidate, 2008-, Electrical Engineering, Modeling and estimating the comparative effectiveness and cost-effectiveness of strategies to reduce concurrent sexual partnerships for HIV prevention in Africa

Jessie Lue Juusola, PhD candidate, 2009-, Management Science and Engineering, Effectiveness and cost-effectiveness of strategies to screen for acute HIV infection in men who have sex with men. Committee member.

Sabina Alistar, PhD candidate, 2008-, Management Science and Engineering, Effectiveness and Cost Effectiveness of HIV Prevention Programs in Eastern Europe. Committee member.

II. MEDICAL STUDENTS AND UNDERGRADUATES

Eric Leroux, 2008-2010, Estimating the impact of price reductions and foreign assistance for HIV on increasing treatment coverage in Africa.

Patrick Avila, 2009-2011, Understanding the effect of the US Mexico City Policy to restrict funding for abortions and family planning in Africa on outcomes such as rates of abortions, use of contraception, and fertility rates.

Anuja Singh, 2010-, Estimating the impact of HIV health services on women's utilization of antenatal care in Kenya.

David Carreon, 2010-, Using rotation onto the UN Security Council as an instrument to understand the effect of development assistance for health on health outcomes in developing countries.

Quyen Vu, 2011-, Does education determine behavioral responses to the HIV epidemic in Africa?

III. POST-DOCTORAL FELLOWS

Rajaie Batniji, MD PhD (Political Science), 2010-, Explaining and improving United States global health financing.

ACADEMIC PRESENTATIONS AND LECTURES

Local Talks

<u>Year</u>	<u>Contribution</u>
2005	Stanford Department of Medicine Teaching Rounds Stanford Infectious Diseases Grand Rounds
2006	Stanford Department of Medicine Teaching Rounds Santa Clara Valley Medical Center Teaching Conference Stanford Infectious Diseases Grand Rounds
2007	Guest speaker, Stanford Department of Medicine Teaching Rounds

- Guest speaker, Santa Clara Valley Medical Center Teaching Conference
Stanford Infectious Diseases Grand Rounds
Research In Progress, Stanford Health Policy
- 2008 Guest speaker, Stanford Department of Medicine Teaching Rounds
Guest speaker, Santa Clara Valley Medical Center Teaching Conference
Research In Progress, Stanford Health Policy
Freeman Spogli International Center Conference: Combating HIV in Low
Resource Settings
MS&E 292: Cost-Effectiveness of HIV Monitoring in South Africa
AFRICAST 200: Monitoring HIV disease progression in Africa
- 2009 Guest speaker, Stanford Department of Medicine Teaching Rounds
Guest speaker, Santa Clara Valley Medical Center Teaching Conference
Research In Progress, Stanford Health Policy
MS&E 292: Cost-Effectiveness of HIV Monitoring in South Africa
AFRICAST 200: Monitoring HIV disease progression in Africa
HUMBIO 151: Evaluating Health in International Contexts
HRP 207: How to Approach Health Services Research in Resource-poor
Regions
- 2010 Research In Progress, Stanford Health Policy
MS&E 292: Cost-Effectiveness of HIV Monitoring in South Africa
AFRICAST 200: Monitoring HIV disease progression in Africa
HUMBIO 117: Economic Environment of HIV in Developing Countries
HUMBIO 4B (Human Biology Core): Foreign Aid and Health: Lessons from the
HIV Epidemic
HRP 240/MED 230: HIV in Africa: Policies, Strategies, and Outcomes
Center for African Studies seminar on Globalization, Development, and AIDS in
African History
- 2011 MS&E 292: Cost-Effectiveness of HIV Monitoring in South Africa
Stanford Prevention Research Center / General Internal Medicine Seminar
Rethinking International Health
HUMBIO 4B (Human Biology Core): Foreign Aid and Health: Lessons from the
HIV Epidemic
Center for African Studies Africa Table seminar

External Talks

- | <u>Year</u> | <u>Contribution</u> |
|-------------|--|
| 2001 | US-Japan Healthcare Symposium, Kobe, Japan |
| 2007 | 16 th International Conference on AIDS, Cancer, and Public Health, St.
Petersburg, Russia
Conference of the American Public Health Association, Washington, DC
Conference of the Institute of Operational Research and the Management
Sciences, Seattle, Washington |

- 2009 UCSF Department of Epidemiology & Biostatistics: PEPFAR and HIV Outcomes
- 2010 UCSF Bixby Center for Global Reproductive Health: Effect of the Mexico City Policy on Abortion in Africa

ORIGINAL PUBLISHED RESEARCH

1. Campbell EG, **Bendavid E**. Data-sharing and data-withholding in genetics and the life sciences: results of a national survey of technology transfer officers. *Journal of Health Care Law & Policy*. 6(2):241-55, 2003.
2. Campbell EG, Vogeli C, Yucel R, **Bendavid E**, Jones LM, Anderson LA, Louis KS. Data Withholding and the Next Generation Scientists: Results of a National Survey. *Academic Medicine*. 81(2): 128-136, 2006.
3. Weissman JS, Rothschild J, **Bendavid E**, Cook, EF, Sprivulis P, David-Kasdan J, Bender M, Evans S, Haug P, Lloyd J, Selbovitz LG, Murff H, Bates DW. Hospital Workload and Adverse Events. *Medical Care*. 45(5): 448-455, 2007.
4. **Bendavid E**, Kaganova J, Needleman J, Gruenberg L, Weissman JS. Complication Rates on Weekends and Weekdays in U.S. Hospitals. *American Journal of Medicine*. 120(5): 422-428, 2007.
5. Liu H, Bravata DM, Olkin I, Friedlander A, Liu V, Roberts B, **Bendavid E**, Saynina O, Garber AM, Hoffman AR. Systematic Review: The Effects of Growth Hormone on Athletic Performance. *Annals of Internal Medicine*. May 20, 2008; 148(10):747-58.
6. **Bendavid E**, Katzenstein DA, Bayoumi AM, Sanders GD, Young SD, Owens DK. Cost-Effectiveness of HIV Monitoring Strategies in Resource-Limited Settings – a Southern African Analysis. *Archives of Internal Medicine*. Sep 22, 2008; 168(17):1910-8. (NIHMSID #205859)
7. **Bendavid E**, Bhattacharya J. PEPFAR in Africa: An Evaluation of Outcomes. *Annals of Internal Medicine*. 2009 May 19;150(10):688-95. Epub 2009 Apr 6. (PMCID #19349625)
8. **Bendavid E**, Wood R, Katzenstein DA, Bayoumi AM, Owens DK. Expanding Antiretroviral Options in Resource-Limited Settings – A Cost-Effectiveness Analysis. *Journal of Acquired Immune Deficiency Syndromes (JAIDS)*, Epub 2009 May 14. (PMCID #2757100)
9. Young SD, **Bendavid E**. Relationship Between HIV Testing, Stigma, and Health Service Usage. *AIDS Care*, 2010 Mar;22(3):373-80. (NIHMSID #209190)
10. Grant PN, Palmer S, Leavitt R, **Bendavid E**, Slamowitz E, Cain P, Kobayashi S, Zolopa A. Viremia and Quality of Life After Switch from Enfuvirtide to Raltegravir in Virologically Suppressed HIV-infected Patients. *Journal of Clinical Virology*. Dec 2009; 46(4): 305-308. (NIHMSID #209189)

11. **Bendavid E**, Wood R, Brandeau ML, Owens DK. Comparative Effectiveness of HIV Universal Testing and Treatment Strategies in Highly Endemic Regions. *Archives of Internal Medicine*. 2010 August 8;170(15):1347-1354.
12. Kautz T, **Bendavid E**, Bhattacharya J, Miller NG. AIDS and Dependency Among Africa's Elderly. *BMJ* 2010;340:c2841.
13. **Bendavid E**, Leroux E, Bhattacharya J, Smith N, Miller NG. The Relationship of Antiretroviral Drug Prices, Foreign Assistance, and HIV Treatment Coverage in Africa: A Retrospective Study. *BMJ* 2010; 341: c6218.
14. **Bendavid E**, Grant PM, Talbot A, Owens DK, Zolopa A. Cost-Effectiveness of Antiretroviral Regimens in the World Health Organization's Treatment Guidelines: A South African Analysis. *AIDS*. 2011 Jan 14;25(2):211-20.
15. Enns E, Igeme T, Brandeau M, **Bendavid E**. Assessing Effectiveness and Cost-Effectiveness of Concurrency Reduction for HIV Prevention. *Accepted, International Journal of STD and AIDS*.

EDITORIALS AND RESEARCH LETTERS

1. Weissman, JS, **Bendavid E**. Should U.S. Hospitals Go 24/7? *American Journal of Medicine*. 117(3): 202-203, 2004.
2. **Bendavid E**. Monitoring of Antiretroviral Therapy in Low-Resource Settings (Letter). *Lancet*. 372(9635):288-9, 2008.
3. **Bendavid E**, Miller G. The US Global Health Initiative: Informing Policy with Evidence. *JAMA* 304(7), 2010.
4. **Bendavid E**. Those Who Fail To Learn From Medical History... *Boston Review*, March, 2011.

ORIGINAL RESEARCH IN SUBMISSION

1. **Bendavid E**, Avila P, Miller G. The Mexico City Policy and Abortions in Africa. *Under Review, PNAS*.
2. Lachance JA, **Bendavid E**, Cotter LE, Enanoria W, Misegades LK, Reingold A, Wallace LE, Aragon TJ. Cost-Effectiveness of a Hand and Respiratory Hygiene Intervention in Reducing Influenza-like Illness among University Students. *In Submission*.
3. Juusola JL, Brandeau ML, Long EF, Owens DK, **Bendavid E**. The Cost Effectiveness of Symptom-Based Testing and Routine Screening for Acute HIV Infection in Men Who Have Sex With Men in the United States. *In Submission*.

WORK IN PROGRESS

Comparative Effectiveness of Early HIV Treatment Initiation (With Diana Negoescu, Douglas Owens)

HIV Foreign Assistance and Adult Mortality in Africa (with Charles Holmes, Grant Miller)

A Systematic Review of the Relationship Between Antiretroviral Therapy and Cardiac Disease (with Vandana Sundaram, Douglas Owens, Manisha Desai, and Clay Bavinger)

Cost-Effectiveness of HIV Treatment Options in Patients with Cardiovascular Disease (with Douglas Owens, Manisha Desai, Paul Barnett, Nanjiang Hou, Richard Olshen)

The Demographic Effect of the HIV Epidemic on Africa's Elderly (With Jessica Kubo, Shripad Tuljapurkar, Ben Seligman)

A Seat on the Security Council as a Proxy for Foreign Aid and Health Outcomes (with Grant Miller and David Carreon)

A randomized field trial of information improvement for clean water in a Nairobi slum (with Joshua Cohen, Sunny Jeon, Katherine Hoffman, and Terry Winograd)

Natural experiments in linking water, nutrition, and HIV health status (with Roz Naylor and Jenna Davis)

A randomized trial of health transportation improvements on malaria and diarrheal illness in Zambia (with Hau Lee, Lesley Sept, and Sonali Rammohan)

Does education determine behavioral responses to the HIV epidemic in Africa? (with Quyen Vu)

Comparative Effectiveness and cost-effectiveness of rapid diagnosis for tuberculosis (with Sze Suen and Jeremy Goldhaber-Fiebert)

Explaining and improving United States global health financing (with Rajaie Batniji)

Political Determinants of Health Improvements in Developing Countries (planned)

Socioeconomic disparities and health gradients in African countries (planned)

POSTERS AND ORAL ABSTRACTS

1. **Bendavid E**, Maartens G. Safety and Efficacy of Anti-Tuberculous Rechallenge Therapy: a Look Back and a Look Forward, Soma Weiss Research Conference, Harvard Medical School, Boston, April 2001 (Oral abstract).
2. **Bendavid E**, Kaganova J, Rothschild J, Bates DW, Weissman JS. Measures of Workload and Inpatient Complications Using AHRQ's Patient Safety Indicators in Three Massachusetts Hospitals. AHRQ Patient Safety Conference, Washington DC, February 2003.
3. **Bendavid E**, Kaganova J, Gruenberg L, Needleman J, Weissman JS. The Weakened Weekend: Increased Rates of Complications in US Hospitals. American College of Physicians Regional Meeting, San Diego, Oct 2004 and National Meeting, San Francisco, April 2005.

4. Weissman JS, Rothschild J, **Bendavid E**, Kaganova J, Bates DW. Peak Patient Flow and Patient Safety in Hospitals. Academy Health Annual Meeting, June 2005.
5. **Bendavid E**, Bayoumi AM, Sanders GD, Owens DK. HIV Monitoring Strategies in Middle-Income Countries. 16th International Conference on AIDS, Cancer and Public Health, June 2007 (Oral abstract).
6. **Bendavid E**, Young SD, Katzenstein DA, Bayoumi AM, Sanders GD, Owens DK. Cost-Effectiveness of HIV Monitoring Strategies in South Africa. Society for Medical Decision Making, October 2007.
7. **Bendavid E**, Young SD, Katzenstein DA, Bayoumi AM, Sanders GD, Owens DK. Cost-Effectiveness of HIV Monitoring Strategies in Resource-Limited Settings. American Public Health Annual Meeting, November 2007 (Oral abstract).
8. **Bendavid E**, Wood R, Katzenstein DA, Bayoumi AM, Owens DK. Antiretroviral Strategies and Treatment Monitoring in Resource-Limited Settings – A Cost-Effectiveness Analysis. Society for Medical Decision Making, October 2008.
9. **Bendavid E**, Sanders GD, Owens DK. Cost-Effectiveness of Expanded Testing for HIV in Highly Endemic Regions. Society for Medical Decision Making, October 2008.
10. Kautz T, **Bendavid E**, Bhattacharya J, Miller NG. AIDS and Decreasing Support for Africa's Elderly. 16th Conference on Retroviruses and Opportunistic Infections, February 2009.
11. **Bendavid E**, Wood R, Brandeau ML, Owens DK. Comparative Effectiveness of HIV Care Practices in South Africa. Society for Medical Decision Making, October 2009.
12. Enns E, Brandeau ML, **Bendavid E**. Effectiveness and Cost-Effectiveness of Concurrency Reduction for HIV Prevention. Society for Medical Decision Making, October 2009.
13. **Bendavid E**, Wood R, Brandeau ML, Owens DK. Epidemiologic Outcomes with Universal Testing and Treatment for HIV in Sub-Saharan Africa. 17th Conference on Retroviruses and Opportunistic Infections, February 2010.
14. **Bendavid E**, Grant PM, Talbot A, Owens DK, Zolopa A. Cost-Effectiveness of World Health Organization First Line HIV Treatment Guidelines in Africa. AIDS 2010, July 2010 (Oral abstract).
15. **Bendavid E**, Avila P, Miller NG. Induced Abortion and The Mexico City Policy in Africa. Population Association of America, April 2011 (Oral abstract).

GRANTS AND AWARDS

Active and Planned

- 1.

Grant Title: Improving the Public Health Impact of HIV Testing in Highly Endemic Regions
Principal Investigator: Eran Bendavid
National Institute of Allergy and Infectious Diseases
ID Number: K01AI084582
Term: 9/15/2009-7/31/2014
Position: Principal Investigator

2.

Grant Title: Comparative Effectiveness of ART for HIV in Patients With Comorbidities
Principal Investigator: Douglas Owens
National Institute of Allergy and Infectious Diseases
ID Number: RC1AI086927
Term: 9/26/2009-8/31/2011
Position: Investigator

3.

Award Title: Dr. George Rosenkranz Prize for Health Care Research in Developing Countries
Award Recipient: Eran Bendavid
Stanford University / Stanford Health Policy
Term: 6/1/2010-5/31/2012

4.

Grant Title: Demographic Impact of HIV on Africa's Elderly
Principal Investigator: Eran Bendavid
Seed Grant of Stanford Center on the Demography and Economics of Health and Aging
National Institute of Aging
ID Number: P30AG017253
Term: 7/1/2010-6/30/2011

5.

Grant Title: Explaining and Improving United States Global Health Financing
Principal Investigator: Eran Bendavid
The Global Underdevelopment Action Fund
Freeman Spogli Institute for International Studies
10/1/2010-12/31/2011

6.

Grant Title: Stanford Global Health Consortium: Innovation, Design, Evaluation, and Action
Principal Investigator: Michele Barry
Fogarty International Center / NIH Office of the Director
ID Number: RC4TW008781
Term: 9/1/2010-8/31/2013
Position: Investigator

Completed

1.

Grant Title: The Relation of Hospital Workload to Patient Safety

Principal Investigator: Joel Weissman
Agency for Healthcare Research and Quality
ID Number: R01HS012035
Term: 9/26/2001-12/31/2003
Position: Project Manager

2.

Grant Title: Weekend Effect and the July Phenomenon in Patient Safety
Principal Investigator: Joel Weissman
Agency for Healthcare Research and Quality
ID Number: R03HS014073
Term: 9/30/2003-9/29/2005
Position: Investigator

3.

Grant Title: Data Sharing & Data Withholding Among Trainees in Science
Principal Investigator: Eric Campbell
National Institute of Neurological Disorders and Stroke
ID Number: R01NS042444
Term: 9/01/2001-8/31/2004
Position: Project Manager

NOTABLE MEDIA MENTIONS

Cost-Effectiveness of HIV Monitoring Strategies in Resource-Limited Settings – a Southern African Analysis

Nature News
Der Spiegel

PEPFAR in Africa: An Evaluation of Outcomes

New York Times
Washington Post
Bloomberg News
Nature News
Reuters

The Relationship of Antiretroviral Drug Prices, Foreign Assistance, and HIV Treatment Coverage in Africa

LA Times
NPR

The US Global Health Initiative: Informing Policy with Evidence

Kaiser Family Foundation Global Health Policy Report

AIDS and Dependency Among Africa's Elderly

Der Spiegel
Science Daily