

**JOSEPH A. LADAPO, M.D., PH.D.**  
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**EDUCATION AND TRAINING**

- 2008 – present     BETH ISRAEL DEACONESS MEDICAL CENTER, Boston, Massachusetts  
Clinical Fellow in Internal Medicine
- 2004 – 2008        HARVARD UNIVERSITY, Cambridge, Massachusetts  
Ph.D. in Health Policy, Decision Sciences concentration
- 2003 – 2004        HARVARD UNIVERSITY JOHN F. KENNEDY SCHOOL OF GOVERNMENT, Cambridge,  
Massachusetts  
Spent one year in Master in Public Policy program before transferring to Ph.D.  
program in Health Policy
- 2000 – 2008        HARVARD MEDICAL SCHOOL, Boston, Massachusetts  
M.D., New Pathway program. Completed clinical rotations in Medicine, Surgery,  
Obstetrics and Gynecology, Pediatrics, Neurology, Radiology, Emergency Medicine,  
and Psychiatry
- 1996 – 2000        WAKE FOREST UNIVERSITY, Winston-Salem, North Carolina  
B.A. in Chemistry, magna cum laude

**FELLOWSHIPS, GRANTS, AND HONORS**

- 2007                Second cycle funding for Harvard Medical School through the MD/PhD Social  
Sciences Track and the Medical Sciences Training Program (MSTP).
- 2006                Helmut Schumann Fellowship in the Department of Ambulatory Care and Prevention  
at Harvard Medical School and Harvard Pilgrim Health Care. Deferred until 2007
- 2005 – 2006        Agency for Healthcare Research And Quality Training Grant
- 2005                Graduate Society Summer Fellowship, Harvard University
- 2005                National Science Foundation Graduate Research Fellowship Honorable Mention
- 2005                Academy of Achievement International Achievement Summit Attendee
- 2004 – 2005        National Library of Medicine Training Grant
- 1996 – 2000        Guy T. Carswell Scholarship, Wake Forest University

**RESEARCH EXPERIENCE**

- 2005 – 2008        MASSACHUSETTS GENERAL HOSPITAL, Institute for Technology Assessment  
Research Associate in collaboration with Scott Gazelle and Milton Weinstein  
Developing economic models to assess the cost-effectiveness of medical imaging  
technologies aimed at the care of heart disease patients. Also exploring models that  
characterize the hospital decision making process in regards to medical technology  
acquisitions.
- 2005 – 2008        HARVARD MEDICAL SCHOOL, Department of Ambulatory Care and Medicine  
Research Associate, working with Lisa Prosser

Conducted a comparative analysis of the methodological approaches taken in cost-effectiveness analyses of health interventions in adult and pediatric populations. Also helped conduct an economic evaluation of the health benefits, risks, and costs of expanded newborn screening exams for metabolic disorders.

- 2004 – 2005 CHILDREN'S HOSPITAL, Center for Biopreparedness  
Research Associate in collaboration with Kenneth Mandl  
Employed a Bayesian instrument to classify emergency room chief complaints into syndrome classes for Automated Epidemiologic Geotemporal Integrated Surveillance (AEGIS), a system designed to detect emerging infections, epidemics, and bioterrorism.
- 2004 – 2005 DANA-FARBER CANCER INSTITUTE  
Research Assistant, working with Beth-Ann Lesnikoski  
Explored the cost-effectiveness of breast cancer risk management and decision support tools for women at increased risk of breast cancer.
- 2001 NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES  
Research Assistant, working with Samuel Wilson  
Investigated the DNA repair efficacy of DNA  $\beta$  polymerase under methylating and UV stress using mouse embryonic fibroblasts.
- 2000 NORTH CAROLINA STATE UNIVERSITY, Department of Chemical Engineering  
Research Assistant, working with Christine Grant  
Explored environmentally friendly models for industrial calcium carbonate cleaning by evaluating the mechanisms by which polyaspartic acid augments calcium solubility.
- 1997 GLAXO WELLCOME  
Research Assistant  
Studied the solubility of an orally administered prescription drug and explored methods to optimize gastric absorption.
- 1996 NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES  
Research Assistant, working with Thomas Eling  
Investigated the effect of a linoleic acid on apoptosis in Syrian hamster embryo cells.

## TEACHING EXPERIENCE

- 2008 HARVARD KENNEDY SCHOOL  
Teaching fellow for *The Economics of Health Care Policy* in Spring 2008  
Professor Joseph Newhouse  
Master's-level course exploring health economics topics such as the demand for medical care services, the role of insurance, private and public reimbursement policies, managed care, and medical malpractice and tort reform.
- 2007 HARVARD COLLEGE  
Teaching fellow for *Introduction to Health Care Policy* in Fall 2007  
Professor Richard Frank  
Undergraduate and Master's-level course examining components of the U.S. healthcare delivery system and policy challenges related to its organization.

Objectives and constraints faced by patients, physicians, hospitals, and insurers are explored. Relevant readings are drawn from the economics, political science, sociology, and ethics literature.

- 2006 HARVARD SCHOOL OF PUBLIC HEALTH  
Teaching fellow for *Decision Analysis Methods in Public Health and Medicine* in Spring 2006  
Professor Lisa Prosser  
Master's-level course in the methods of decision science, particularly as they are applied in medical, environmental, and safety decision making. Topics include Markov modeling, utility theory, and cost-effectiveness analysis.
- 2005 HARVARD COLLEGE, The Core Program  
Teaching fellow for *Health Economics and Policy* in Fall 2005  
Professor David Cutler  
Undergraduate-level course examining health and medical care systems. Topics include international health and its relationship to wealth, non-medical determinants of health, medical service markets, health insurance, health care reform, and the evaluation of health care programs using cost-benefit analysis and regression analysis.
- 2005 HARVARD SCHOOL OF PUBLIC HEALTH  
Teaching fellow for *Decision Analysis in Clinical Research* in Summer 2005  
Professor Milton Weinstein  
Master's-level course in the application of decision analytic tools to clinical decision making. Topics include the use of probability theory and the evaluation of diagnostic tests, utility theory and patient preferences for health states, and cost-effectiveness analysis as an evaluative tool in health policy.
- 1998 WAKE FOREST UNIVERSITY, Department of Chemistry  
Teaching fellow for *Introduction to Organic Chemistry* in Summer 1998  
Professor Bradley Jones  
Undergraduate-level course and lab examining the principles and reactions of organic chemistry.

#### **OTHER ACTIVITIES**

- 2006 – present OUTCOME, INC.  
Consultant for projects related to health economics and quality-of-life analyses.
- 2005 – present UNITED BIOSOURCE CORPORATION (FORMERLY METAWORKS, INC.)  
Consultant for projects involving evidence-based clinical research and cost-effectiveness analysis.
- 2005 – present HARVARD UNIVERSITY, Cabot House Pre-Med Committee  
Non-resident tutor for undergraduates applying to medical school.
- 2004 – 2005 YMCA, Mentor  
Mentor and tutor for disadvantaged children in an after-school program.
- 2004 – 2005, HARVARD MEDICAL SCHOOL, Committee on Admission of Students

- 2001 – 2002 Served on Admissions Committee and interviewed prospective medical students.
- 2004 HARVARD UNIVERSITY JOHN F. KENNEDY SCHOOL OF GOVERNMENT, Office of the Registrar  
Developed a bidding system model for the efficient allocation of seating positions in oversubscribed courses with Dr. Arif Nathoo. The system was implemented in Fall 2004.
- 2003 – 2006 HARVARD UNIVERSITY JOHN F. KENNEDY SCHOOL OF GOVERNMENT, Citizen Newspaper  
Business Manager and writer for The Citizen, the official school newspaper.
- 2002 – present STUDENTS FOR ENVIRONMENTAL AWARENESS IN MEDICINE (SEAM)  
Co-founded SEAM, a national, nonprofit organization with a mission to organize medical students nationwide and address environmental change and its effects on human health.
- 2001 – 2002 HARVARD MEDICAL SCHOOL, Recycling Project  
Revamped recycling infrastructure in Harvard Medical School student housing and worked with administrators at the Brigham and Women’s Hospital and Faulkner Hospital to improve their recycling systems.
- 2001 – 2003 AMERICAN MEDICAL STUDENT ASSOCIATION  
Served as community service representative for Harvard Medical School chapter.
- 2000 – 2004 MISSION SAFE PROGRAM, Mentor  
Mentor and tutor for underrepresented and disadvantaged middle and high school students in Mission Hill neighborhood in Boston, working with students one to two afternoons or evenings each week.
- 2000 DIMOCK COMMUNITY HEALTH CENTER EARLY HEAD START CENTER  
Measured weights and heights of toddlers in one of Boston’s most impoverished neighborhoods. Information gathered showed an alarmingly high obesity rate amongst the children.
- 1998 – 2000 INDEPENDENCE HIGH SCHOOL  
Mentor and tutor in a re-entry program for high school students with disciplinary problems
- 1998 – 2000 WAKE FOREST UNIVERSITY, Residence Life and Housing  
Resident Advisor in two campus dormitories.
- 1997 – 2000 WAKE FOREST UNIVERSITY, Varsity Track and Field  
Captain and Decathlete on Wake Forest Men’s Varsity Track and Field Team, a Division I team in the Atlantic Coast Conference (ACC).

## **PUBLICATIONS**

Ladapo JA, Jaffer FA, Weinstein MC, Froelicher ES. Projected Cost-effectiveness of Smoking Cessation

- Interventions in Patients Hospitalized with Myocardial Infarction. *Archives of Internal Medicine*. In Press.
- Ladapo JA, Jaffer FA, Hoffmann U, Thomson CC, Bamberg F, Dec W et al. Clinical Outcomes and Cost-Effectiveness of Coronary Computed Tomography Angiography in the Evaluation of Patients With Chest Pain. *Journal of the American College of Cardiology* 2009; 54(25):2409-2422.
- Ladapo JA, Horwitz JR, Weinstein MC, Gazelle GS, Cutler DM. Adoption And Spread Of New Imaging Technology: A Case Study *Health Aff (Millwood)*. 2009;28 (6):w1122-32 (published online 14 October 2009; 10.1377/hlthaff.28.6.w1122).
- Warren L, Ladapo JA, Borah B, Gunnarsson CL. Open Abdominal vs. Minimally Invasive Laparoscopic and Vaginal Hysterectomy: Analysis of a Large US Payer Measuring Quality & Cost of Care. *Journal of Minimally Invasive Gynecology*. 2009 Sep-Oct;16(5):581-8.
- Fullum TM, Ladapo JA, Borah BJ, Gunnarsson CL. Comparison of the clinical and economic outcomes between open and minimally invasive appendectomy and colectomy: evidence from a large commercial payer database. *Surg Endosc* 2009 Sep 3.
- Ladapo JA, Hoffmann U, Bamberg F, Nagurney JT, Cutler DM, Weinstein MC, Gazelle, GS. Cost-effectiveness of Coronary Multidetector Computed Tomography in the Triage of Patients with Acute Chest Pain. *American Journal of Roentgenology*. 2008;191(2):455-63.
- Prosser LA, Ladapo JA, Rusinak D, Waisbren SL. Parental Tolerance for False-Positive Newborn Screening Results. *Archives of Pediatrics & Adolescent Medicine*. 2008;162(9):870-6.
- Ladapo JA, Neumann PJ, Keren R, Prosser LA. Valuing Children's Health: A Comparison of Cost-Utility Analyses for Adult and Pediatric Health Interventions. *Pharmacoeconomics*. 2007;25(10):817-28.
- Nathanson, LA, Mandl, KD, Olson, KL, Ladapo, JA, Shapiro, NI. Evaluation of an Algorithm for the Normalization of Chief Complaints. *Acad Emerg Med* 2005 12: 101-b-
- Sobol RW, Watson DE, Nakamura J, Yakes FM, Hou E, Horton JK, Ladapo J, Van Houten B, Swenberg JA, Tindall KR, Samson LD, Wilson SH. Mutations associated with base excision repair deficiency and methylation-induced genotoxic stress. *Proc Natl Acad Sci*. 2002 May 14;99(10):6860-5.
- Joseph Ladapo, "The Doctor's Art" *Harvard Focus*, July 2010, <<http://www.focushms.com/?p=91>> (22 August 2010)
- Joseph Ladapo, "When Patient Status Conflicts with Patient Goals" *Harvard Focus*, April 2010, <<http://archives.focus.hms.harvard.edu/2010/042310/forum.shtml>> (4 May 2010)
- Joseph Ladapo, "Hybrid Studies Pick Up Speed" *Harvard Focus*, January 2010, <<http://focus.hms.harvard.edu/2010/010810/forum.shtml>> (22 January 2010)
- Joseph Ladapo, "Smoking Cessation Counseling: Too Effective to Ignore" *Harvard Focus*, July 2009, <<http://focus.hms.harvard.edu/2009/071009/forum.shtml>> (28 July 2009)
- Joseph Ladapo, "Better Value Care Requires Physicians to Know Cost" *Harvard WebWeekly*, May 2009,

- [http://webweekly.hms.harvard.edu/archive/2009/042809/perspective\\_ladapo.html](http://webweekly.hms.harvard.edu/archive/2009/042809/perspective_ladapo.html) (8 May 2009)
- Joseph Ladapo, "Wired for Patient Care" *Harvard WebWeekly*, April 2009, [http://webweekly.hms.harvard.edu/archive/2009/041009/perspective\\_ladapo.html](http://webweekly.hms.harvard.edu/archive/2009/041009/perspective_ladapo.html) (8 May 2009)
- Joseph Ladapo, "Caring for the Patient, Caring About the Family," *Harvard Focus*, February 2009, <http://focus.hms.harvard.edu/2009/022009/forum.shtml> (20 March 2009)
- Joseph Ladapo, "A Question Arises in Care of Heart Patients" *Harvard WebWeekly*, December 2008, [http://webweekly.hms.harvard.edu/archive/2008/1222/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2008/1222/student_scene.html) (20 March 2009)
- Joseph Ladapo, "Aligning Patient Care with Patient Needs," *Harvard Focus*, October 2008, <http://focus.hms.harvard.edu/2008/101008/forum.shtml> (20 March 2009)
- Joseph Ladapo, "A Pitfall of Sharing Care Decisions with Patients," *Harvard Focus*, July 2008, <http://focus.hms.harvard.edu/2008/071108/forum.shtml> (20 March 2009)
- Joseph Ladapo, "Keeping Patients First," *Harvard Focus*, June 2008, <http://focus.hms.harvard.edu/2008/060608/forum.shtml> (20 March 2009)
- Joseph Ladapo, "What's Debt Got to Do with It?," *Harvard Focus*, May 2008, <http://focus.hms.harvard.edu/2008/050208/forum.shtml> (20 March 2009)
- Joseph Ladapo, "Primaries Heat Up Health Coverage Debate," *Harvard Focus*, February 2008, <http://focus.hms.harvard.edu/2008/022208/forum.shtml> (23 February 2008)
- Joseph Ladapo, "Will Anyone Pay for Cardiac CTA?" *Harvard WebWeekly*, January 2008, [http://webweekly.hms.harvard.edu/archive/2008/0128/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2008/0128/student_scene.html) (23 February 2008)
- Joseph Ladapo, "Broadening the Safety Net for Child Health," *Harvard WebWeekly*, December 2007, [http://webweekly.hms.harvard.edu/archive/2007/1224/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2007/1224/student_scene.html) (3 January 2008)
- Joseph Ladapo, "Is More Always Better? Evaluating Health Care Technology," *Harvard WebWeekly*, November 2007, [http://webweekly.hms.harvard.edu/archive/2007/1112/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2007/1112/student_scene.html) (16 December 2007)
- Joseph Ladapo, "Resident Work Hours: The Debate Won't Rest," *Harvard Focus*, October 2007, <http://focus.hms.harvard.edu/2007/101207/forum.shtml> (24 November 2007)
- Joseph Ladapo, "Archives Project Documents Women's Achievements in Medicine," *Harvard Focus*, July 2007, <http://focus.hms.harvard.edu/2007/071307/forum.shtml> (10 September 2007)
- Joseph Ladapo, "New Yardstick Measures Value of Health Care Technologies," *Harvard WebWeekly*, May 2007, [http://webweekly.hms.harvard.edu/archive/2007/0521/student\\_scene.html#Sanders](http://webweekly.hms.harvard.edu/archive/2007/0521/student_scene.html#Sanders) (9 June 2007)
- Joseph Ladapo, "Bone Marrow Donation: What It Means," *Harvard Focus*, May 2007, <http://focus.hms.harvard.edu/2007/050407/forum.shtml> (9 June 2007)

Joseph Ladapo, "Sixty Years and Still Ticking," *Harvard WebWeekly*, March 2007, <[http://webweekly.hms.harvard.edu/archive/2007/0326/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2007/0326/student_scene.html)> (9 June 2007)

Joseph Ladapo, "Un-Match Day: Some Grads Pursue Alternatives to Medicine," *Harvard Focus*, February 2007, <<http://focus.hms.harvard.edu/2007/022307/forum.shtml>> (9 June 2007)

Joseph Ladapo, "City Can Take the Heat, Gets into the Kitchen to Ban Trans Fats," *Harvard WebWeekly*, December 2006, <[http://webweekly.hms.harvard.edu/archive/2006/1225/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2006/1225/student_scene.html)> (8 February 2007)

Joseph Ladapo, "New CT May Separate Low- from High-risk Chest Pain Patients," *Harvard WebWeekly*, November 2006, <[http://webweekly.hms.harvard.edu/archive/2006/1113/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2006/1113/student_scene.html)> (8 February 2007)

Joseph Ladapo, "Diversity Strategies Change, Goal Remains to Improve Patient Care," *Harvard Focus*, October 2006, <<http://focus.hms.harvard.edu/2006/101306/forum.shtml>> (8 February 2007)

Joseph Ladapo, "Grave New World: Gene-doping in Sports," *Harvard WebWeekly*, August 2006, <[http://webweekly.hms.harvard.edu/archive/2006/0807/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2006/0807/student_scene.html)> (7 August 2006)

Joseph Ladapo, "Waging the Postwar Battle for Mental Health," *Harvard Focus*, May 2006, <<http://focus.hms.harvard.edu/2006/051906/forum.shtml>> (3 June 2006)

Joseph Ladapo, "Conventional Medicine Faces the Alternative," *Harvard Focus*, March 2006, <<http://focus.hms.harvard.edu/2006/032406/forum.shtml>> (12 April 2006)

Joseph Ladapo, "Medicare Drug Benefit Tests Health Care Marketplace," *Harvard Focus*, January 2006, <<http://focus.hms.harvard.edu/2006/012706/forum.shtml>> (18 February 2006)

Joseph Ladapo, "Field Hospitals Bring Hope After South Asian Quake," *Harvard WebWeekly*, November 2005, <[http://webweekly.hms.harvard.edu/archive/2005/11\\_14/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2005/11_14/student_scene.html)> (3 December 2005)

Joseph Ladapo, "A Tulane Hospital Trainee Weathers Hurricane Katrina," *Harvard WebWeekly*, October 2005, <[http://webweekly.hms.harvard.edu/archive/2005/10\\_3/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2005/10_3/student_scene.html)> (10 October 2005)

Joseph Ladapo, "The Mixed Bag of Medical Malpractice," *Harvard Focus*, July 2005, <[http://focus.hms.harvard.edu/2005/Jul15\\_2005/forum.shtml](http://focus.hms.harvard.edu/2005/Jul15_2005/forum.shtml)> (4 August 2005)

Joseph Ladapo, "Let Consumers Drive Progress in Health Care Quality," *Harvard Focus*, June 2005, <[http://focus.hms.harvard.edu/2005/Jun10\\_2005/forum.shtml](http://focus.hms.harvard.edu/2005/Jun10_2005/forum.shtml)> (19 July 2005)

Joseph Ladapo, "Weighing In on the CDC's Latest Obesity Study," *Harvard WebWeekly*, May 2005, <[http://webweekly.hms.harvard.edu/archive/2005/5\\_23/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2005/5_23/student_scene.html)> (1 August 2005)

Joseph Ladapo, "What Should Be Covered, People or Procedures?" *Harvard WebWeekly*, April 2005, <[http://webweekly.hms.harvard.edu/archive/2005/4\\_25/student\\_scene.html](http://webweekly.hms.harvard.edu/archive/2005/4_25/student_scene.html)> (10 May 2005)