

Name: Jay Patrick Bae, Ph.D.

Senior Health Outcomes Scientist
Global Health Outcomes
Eli Lilly & Company
Indianapolis, IN 46285

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Strength and Qualifications:

Experience in health outcomes/health economic strategy and research development with an ability to translate strategic payor issues into implementable projects.
In-depth knowledge of payor environments in the US and other leading global markets.
Expertise in outcomes research methods: cost effectiveness, budget impact, database analysis, and patient reported outcomes.
Successful reimbursement dossier development experience with positive listing recommendations by NICE, SMC, and PBAC.
Experience in leading research teams to produce quality outputs under a tight timeline.
Track record of mentoring and ability to work well in a multidisciplinary environment.
Proven ability to adapt to new therapeutic areas and produce quality strategy and data.

Education: **Ph.D.** in Economics, University of California, Los Angeles (UCLA). 1993.
Concentration: Health, Industrial Organization, Development, and Public Finance
M.A. in Economics, UCLA. March 1991
B.A. in Economics, UCLA. December 1986

Employment: **Senior Health Outcomes Scientist** (Jan. 2004-Present) Global Health Outcomes, **Eli Lilly & Co. Indianapolis, IN 46285**

Achievements/Responsibilities

- Designed strategy and implemented outcomes research plan for two new product global launches in two therapeutic areas.
- Currently leads Health Outcomes Team for the company #1 pipeline product in the US. Responsible for development and execution of HO Strategy and Research.
- Led the Product Value Kit (company internal global dossier) for a neuroscience product, and participated in development of health econ chapters for a cardiovascular product.
- Drafted a chapter in the UK NICE and Australia PBAC pharmaco-economic dossiers with positive listing recommendations in a neuroscience compound.
- Innovative outcomes strategy and research awarded as “optimizing value” by the VP of Lilly Global Organization
- Global Shinning Star Award, 2005

- Health Outcomes Leadership Award, 2005
- Lilly Medical Leadership Award 2007

Technical Consulting/Mentoring

- Advisor to Lilly Canada: Health Technology Assessment (HTA) for the Government and Economic Affairs Group (2006-current). Review and comment CCOHTA reports and company responses.
- Lilly Korea: Advisor for the HO Team (2007-current).
- Lilly Office of Corporate Strategy on Targeted Therapeutics Initiative (2006)
- Health Economics Mentor: Advised/mentored 5 Ph.D. scientists in the group with a monthly series in health economics (2005-current).
- Advisor: Economic modeling strategy (2005-current)

Other: Adjunct Faculty Appointment, Department of Economics, Indiana Univ. Indianapolis (2005-current)

Assistant Professor (May. 2000-Jan. 2004) Department of Economics, Georgia State University, Atlanta, GA

Taught several economics courses and conducted research in health economics and health outcomes using Medicaid/Medicare program data, disease registries, survey, and payor claims databases.

Managed research team to analyze data and preparing reports for the Georgia Medicaid Department

Health Economist, (Oct.1993- May. 2000) Office of Research and Demonstrations (ORD), and Office of Strategic Planning (OSP), Centers for Medicare and Medicaid Services(CMS)

Conducted research on health care and evaluation of health care programs and technology in Medicare and Medicaid programs. Specialization in prescription drug coverage and reimbursement in public sector programs.

Teaching Experience:

Taught both graduate and undergraduate level courses in economics and health at Johns Hopkins, Univ of Maryland, Georgia State, and Indiana University at Indianapolis.

Health Economics
Econometrics
Microeconomic Theory
Macroeconomic Theory
Health Policy

Managerial Economics
Banking and Financial Institutions

Publications/Research Outputs

Suzi Cottrell, Dom Tilden, Jay Bae, Jorge Arellano, Eric Edgell, Mike Aristides, Kristina Secnik, A modelled economic evaluation comparing atomoxetine with stimulant therapy in the treatment of children with attention-deficit/hyperactivity disorder in the United Kingdom, In press at *Value in Health*, 2007

Wang, Cheng, Dean Kereiakes, Jay Bae, Patrick McCollam, Brian Griffin: "Clopidogrel Loading Dose and Outcomes in Acute Coronary Syndrome Patients Undergoing PCI" Vol 19:10 431-436 *Journal of Invasive Cardiology*, October, 2007

Bae, Jay, Katherine Bellebaum, and Patrick McCollam: "Use of Clopidogrel in Outpatient Setting: a Longitudinal Patient Follow up" Under revise and resubmit at *Journal of Managed Care Pharmacy* 2007

Bae, Jay, Paul Dobesh, and Patrick McCollam: "Potential Unrecognized Cost of Clopidogrel Pretreatment in Acute Coronary Syndrome" Under review at *Journal of Thoracic Surgery*

Judith H Lichtman, Yun Wang, John W Karl, Jay P Bae, John A Spertus, and Harlan M Krumholz: "Acute Coronary Syndromes in Elderly" Under Review

Bae, Jay and Katherine Gardner: "Low Income Children's Participation in a Public Program: Analysis of Georgia SCHIP." *Journal of Family and Economic Issues*, vol 25 (2) June, 2004

Jay Bae and Paul Justice: "Pharmacy Benefit Management Contracting: An Assessment from a Recent Procurement Experience" *Journal of Health Care Finance*, vol 29(1), 2002

Jay Bae: "Financial Effect of HMO on FFS Sector: The US Medicare Experience" *Research in Healthcare Financial Management*, Vol. 6, No. 1 August 2001

Buck, Jeffrey, Teich, J.L., Bae, J., & Dilonardo, J. "Mental Health and Substance Abuse Services in Ten State Medicaid Programs," *Administration and Policy in Mental Health*, vol 28:3 January, 2001, 181-192

Kidder, David, and Jay Bae: "Evaluation Results from Prospective Drug Utilization Review: Medicaid Demonstrations," *Health Care Financing Review*, vol. 20:3 107-118 Spring 1999

Buck, Jeffrey, Kay Miller, and Jay Bae: Mental Health and Substance Abuse Services in

Medicaid, volume I, II, III: DHHS Pub. No. (SMA) 99-3366, 3367, 3368. Rockville, MD, CMHS, Substance Abuse and Mental Health Services Administration, Washington, DC, 1999

Bae, Jay: "Structural Assessment of the U.S. Pharmaceutical Industry." *Proceedings of Korea Health Economics Association*, March 1998

Bae, Jay: "Drug Patent Expirations and the Speed of Generic Entry" *Health Services Research*, vol. 32:1 April, 1997 pp87-101.
(Also published in Spanish translation in *Revista Espanola de Farmacoeconomia*, Madrid, Spain, vol. 3:2, 1997)

Frank, Richard, Thomas McGuire, Jay Bae, and Agnes Rupp: "Capitation, Risk Adjustment and Risk Sharing for Behavioral Health Care." *Health Care Financing Review*, vol. 18:3 Spring 1997

Bae, Jay: "Assessing the Need, Use, and Developments in Mental Health / Substance Abuse Care." *Health Care Financing Review*, vol. 18:3 Spring 1997

Presentations

Adherence of Oral Antiplatelet Therapy and Outcomes in ACS-PCI Patients: Research Presentation to NCQA, Washington DC (2007)

Adherence to Waiting Guidelines for ACS Patients Treated with Clopidogrel who Undergo Same Stay CABG: American Heart Association Quality and of Care and Outcomes Research Congress, Washington DC (2007)

Clopidogrel Use in ACS Patients Undergoing Percutaneous Coronary Intervention in Five European Countries, European Society of Cardiology (2007)

A Retrospective Assessment of Quality Performance for Acute Myocardial Infarction Care in Hospital: A Time-stamped Data Analysis; AcademyHealth, Orlando, FL (2007)

Outpatient Use of Clopidogrel; International Society of Pharmacoeconomics and Outcomes Research, Washington DC (2007)

Clopidogrel Loading Dose and Outcomes in Patients Undergoing Percutaneous Coronary Intervention for Acute Coronary Syndromes: A Retrospective Analysis, American Heart Association Quality and of Care and Outcomes Research Congress, Washington DC (2006)

Oral Antiplatelet Outpatient Study, American Managed Care Pharmacy Annual Meeting, Seattle (2006)

Meta-regression Estimation of Efficacy Using Pooled Patient-level Data from Randomized Controlled Atomoxetine Trials, European ISPOR Congress, Florence, Italy (2005)

Clopidogrel Loading Dose and Outcomes among ACS Patients with PCI, European ISPOR Congress, Florence, Italy (2005)

A Modelled Economic Evaluation of Atomoxetine for Children with ADHD in the UK, at the European Association of Psychiatrists Meeting, Munich, Germany (2005)

Risk and Costs in Georgia LTC Programs: Comparative Examination of Nursing Facility and Home & Community-Based Care using Medicare and Medicaid Data, at the AcademyHealth, Nashville, TN (2003)

Retraction of Adverse Technology in Hospitals, at the International Health Economics Association Conference, San Francisco, CA (2003).

Use of Risk Adjustment Methodologies for Long-Term Care Institutions, at Georgia Long-Term Care Partnership Consortium, Atlanta, GA (2002)

Market Segmentation, Regulation and Pharmaceutical R&D, at the Southern Economics Association Meeting, New Orleans, Louisiana (2002)

Adverse Clinical Outcome Literature and Practice Pattern, at the Rollins School of Public Health, Emory University, Atlanta, Georgia (2002)

Diffusion of Information and Changing Practice, at the Agency for Health Care Research and Quality, Washington, DC (2002)

Enrolling Needy Children in Public Program: Georgia SCHIP Experience, at the Center for Medicare and Medicaid Services, Baltimore, Maryland (2002)

Getting on and Staying on: Georgia PeachCare Enrollment, Retention Experience, at the Southern Economic Association Annual Meeting, Tampa, Florida (2001)

Reforming Drug Distribution System in Korea: Correcting the Economic Incentives for the Korean American Economics Association Session at the Allied Social Science Association Meeting in New Orleans, Louisiana (2001)

Effectiveness of Medicaid Generic Drug Substitution Policy, at the Western Medicaid Pharmacy Administrators' Meeting, San Antonio, Texas (2000)

Diffusion of Health Care Technology: A Case of SSRI in Medicaid, Western Economics Association International, San Diego, California (1999)

Trend in Pharmacy Benefit Management Industry and Medicaid Reform, National Medicaid Pharmacy Administrator Association Meeting, Chicago, Illinois (1998)

Drug Use Review and Medicaid Policy, American Public Health Association (APHA), Washington DC (1998)

Managed Care Spillover in Medicare: New Evidence, Annual Conference of Association of Health Service Researchers (AHSR), Chicago, Illinois (1997)

Impact of Increasing Medicaid HMOs: A Policy Discussion, Council of College of Pharmacies, Columbus, Ohio (1997)

Speed of Generic Drug Entry, Annual Conference of Association of Health Service Researchers (AHSR), Chicago, Illinois (1995)

Journal Reviewer

Health Care Financing Review (1995 - 2004)

Medical Care (1997- 2004)

Health Affairs (1999-2001)

Journal of Behavioral Health Services and Research (2000)

Research in Health Care Financial Management (2000- 2003)

Academy of Managed Care Pharmacy (2004-Present)

Citizenship

USA

Language

English: Fluent

Korean: Fluent

French: Elementary