

AHMED KHWAJA
Curriculum Vitae

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Contact Information

Fuqua School of Business
Duke University
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Education

Ph.D. Department of Economics, University of Minnesota, 2001
Thesis: "Health Insurance, Habits and Health Outcomes: A Dynamic Stochastic Model of Investment in Health."
Advisor: Michael P. Keane

Research Fields

Applied Econometrics, Health Economics, Industrial Organization, Quantitative Marketing

Research Interests

Dynamic Games, Dynamic Life Cycle Models of Consumer Behavior, Asymmetric Information, Health Insurance Markets, Intertemporal Choice

Employment and Other Positions

2001-present Assistant Professor, Fuqua School of Business, Duke University

1998-2001 Visiting Graduate Student, Department of Economics, University of Pennsylvania

Summer 2009 Melville Blake '80 Visiting Summer Fellow, Yale School of Management

Publications

1. "Estimating Willingness to Pay for Medicare Using a Dynamic Life-Cycle Model of Demand for Health Insurance," Fuqua School of Business, Duke University, forthcoming, *Journal of Econometrics*.
2. "A Comparison of Treatment Effects Estimators Using a Structural Model of AMI Treatment Choices and Severity of Illness Information from Hospital Charts," with Gabriel Picone, Martin Salm and Justin Trogdon, forthcoming, *Journal of Applied Econometrics*.
3. "Do Smokers Value Their Health and Longevity Less?" with Frank Sloan and Yang Wang, *Journal of Law and Economics*, Vol. 52(1), pp. 171-196, February 2009.

4. "Are Mature Smokers Misinformed?" with Dan Silverman, Frank Sloan and Yang Wang, *Journal of Health Economics*, Vol. 28(2), pp. 385-397, March 2009.
5. "The Relationship Between Individual Expectations and Behaviors: Evidence on Mortality Expectations and Smoking Decisions," with Frank Sloan and Sukyung Chung, *Journal of Risk and Uncertainty*, Vol. 35(2), pp. 179-201, October 2007.
6. "Time Preference, Time Discounting and Smoking Decisions," with Dan Silverman and Frank Sloan, *Journal of Health Economics*, Vol. 26(5), pp. 927-949, September 2007.
7. "Testing the Mechanisms of Structural Models: The Case of the Mickey Mantle Effect," with Hanming Fang, Michael Keane, Martin Salm and Dan Silverman, *American Economic Review, P&P*, Vol. 97(2), pp. 53-59, May 2007.
8. "Smoking, Wealth Accumulation and the Propensity to Plan," with Dan Silverman, Frank Sloan and Yang Wang, *Economics Letters*, Vol. 94(1), pp. 96-103, January 2007.
9. "Learning about Individual Risk and the Decision to Smoke," with Frank Sloan and Sukyung Chung, *International Journal of Industrial Organization*, Vol. 24(4), pp. 683-699, July 2006.
10. "Evidence on Preferences and Subjective Beliefs of Risk Takers: The Case of Smokers," with Frank Sloan and Martin Salm, *International Journal of Industrial Organization*, Vol. 24(4), pp. 667-682, July 2006. [**"The Paul Geroski Best Article"** Prize for the best paper published in 2006 in *IJIO*.]
11. "The Effects of Spousal Health on the Decision to Smoke: Evidence on Consumption Externalities, Altruism and Learning Within the Household," with Frank Sloan and Sukyung Chung, *Journal of Risk and Uncertainty*, Vol. 32(1), pp. 17-35, January 2006.
12. "Health Insurance, Habits and Health Outcomes: A Dynamic Stochastic Model of Investment in Health," in *Proceedings of the 2002 North American Summer Meetings of the Econometric Society: Labor Economics and Applied Econometrics*, edited by Anne Case, Raquel Fernandez, John Rust, Ken Wolpin.

Working Papers

13. "Dynamic Entry with Cross Product Spillovers: An Application to the Generic Drug Industry," with Ron Gallant and Han Hong, Fuqua School of Business, Duke University, 2009.
14. "Moral Hazard, Adverse Selection and Health Expenditures: A Semiparametric Analysis," with Patrick Bajari, Han Hong and Christina Marsh, Fuqua School of Business, Duke University, 2009.
15. "Habit Persistence and Teen Sex: Could Increased Access to Contraception have Unintended Consequences for Teen Pregnancies?" with Peter Arcidiacono and Lijing Ouyang, Fuqua School of Business, Duke University, 2009, under review.
16. "Human Capital and the Trade-off between Juvenile Crime and Work," with Nauman Ilias, Department of Economics, University of Pennsylvania, 2001.

Work in Progress

“Investment in Human Capital, Longevity and Moral Hazard in a Stochastic Life-Cycle Model of Demand for Health”

“A Dynamic Model of Thirst and Beverage Consumption” (with K. Sudhir)

“Estimating a Mixed Discrete-Continuous Dynamic Game with a Large Number of Players: An Application to Product Assortment and Pricing”

Grants

2009-13 “Deterring Drunk Driving: Beliefs, Preferences, Outcomes, and Welfare Implications,” with Hanming Fang and Frank Sloan, NIAAA, R01.

2005-09 “Structural Models of Consumer Optimization Behavior,” with Donna Gilleskie, NIA R13.

2005-08 “Structural Models of Consumer Optimization Behavior: Labor, Retirement, and Health,” with Donna Gilleskie, The Demography and Economics of Aging Research Program, UNC.

2004-06 “A Dynamic Model of Teen Sex, Abortion and Childbearing,” PI, with Peter Arcidiacono, NICHD R03.

2004-07 “Why Don’t Mature Smokers Quit?” with Dan Silverman and Frank Sloan, Robert Wood Johnson Foundation.

1999-01 “A Dynamic Stochastic Model of Investment in Health,” PI, AHRQ Dissertation Grant, R03.

Honors and Awards

2007 “The Paul Geroski Best Article” Prize for the best paper published in 2006 in the *International Journal of Industrial Organization*.

2000-2001 Heller Fellowship, University of Minnesota.

1998-1999 Harold Hardy Fellowship, University of Minnesota.

1996-1997 Graduate School Fellowship, University of Minnesota.

1998-1999 John D. and Catharine T. MacArthur Fellowship, University of Minnesota.

1993-1994 Ford Foundation Fellowship, University of London, U.K.

Editorial Service

Co-Guest Editor, Annals Issue of *Journal of Econometrics*, “Structural Models of Consumer Optimization Behavior.”

Professional Service

Session organizer, American Economic Association Meetings, 2006.

Co-organizer, Conference on Structural Models in Labor, Aging and Health 2005, Fuqua School of Business.

Program committee, International Public Economic Theory Conference 2003, Duke University.

Micro Search Committee, 2001-02, Fuqua School of Business.

Professional Memberships

American Economic Association
Econometric Society
Society for Economic Dynamics
INFORMS Society of Marketing Science

Selected Conferences and Seminar Presentations

Carnegie Mellon University-Heinz School, Yale School of Management, Marketing Science Conference 2009, BU-Harvard-MIT Health Economics Seminar, American Economic Association Meetings 2009, RAND, Rice-Jones School of Management, Stanford Institute of Theoretical Economics 2008, Society for Economic Dynamics Annual Meeting 2008, Econometric Society 2008 North American Summer Meeting, American Economic Association Meetings 2008, Michigan Retirement Research Center Conference 2008, Stanford Institute of Theoretical Economics 2007, Cowles Foundation Conference on Policy Applications of Structural Microeconomics-Yale University, Econometric Society 2007 North American Summer Meeting, American Economic Association Meetings 2007, Econometric Society 2006 North American Summer Meeting, Southeastern Health Economics Study Group 2006, Annual Health Economics Conference 2006, Conference on Structural Models in Labor, Aging and Health 2005, Southeastern Health Economics Study Group 2005, Federal Reserve Board Conference on Population Aging and the Economy 2005, Conference on Improving Social Insurance Programs-University of Maryland, NBER Summer Institute 2004, The Behavioral Decision Research in Management Conference 2004, NBER 2003 Spring Health Care Program Meeting, Econometric Society 2003 North American Summer Meeting, 2003 Public Economic Theory Conference, Econometric Society 2003 North American Winter Meeting, Econometric Society 2002 North American Summer Meeting, 2002 Cowles Foundation Conference on Estimation of Dynamic Demand Models-Yale University, University of Arizona-Tucson, Indiana University, Olin School of Business-Washington University, Kenan-Flagler Business School-UNC, SUNY-Stony Brook, University of Maryland, Department of Economics-Duke University, Marketing-Fuqua School of Business, Economics-Fuqua School of Business, Triangle Health Economics Workshop, University of Wisconsin-Madison

Teaching Experience

Duke University

Managerial Economics (MBA core)
Market Intelligence (MBA elective)
Health Economics (Ph.D.)
Health Economics (undergraduate)

MBA Instructor Rating (average over last 5 years, 7 point scale): 6.13

University of Minnesota

Instructor, Mathematics Review Course for incoming Graduate Students
Instructor, Principles of Microeconomics
Teaching Assistant, Principles of Macroeconomics
Guest Lecturer, Principles of Macroeconomics, Lecture title: "The Indian Trade and Economic Liberalization experience 1991-1996"

Student Advising

Ph.D. committee member, Department of Economics, Duke University:

Padmaja Ayyagari
Derek Brown
Lijing Ouyang
Justin Trogdon
Martin Salm
Yang Wang

Supervisor, Independent Study, Fuqua School of Business, Duke University:

J. Gaverick Matheny
Ziggy Yoediono