

## **JOHN MULLAHY**

Univ. of Wisconsin-Madison  
Dept. of Population Health Sciences  
787 WARF, 610 Walnut Street  
Madison, WI 53705  
608-265-5410; 608-263-2820 (fax)  
[jmullahy@wisc.edu](mailto:jmullahy@wisc.edu)

### **PERSONAL**

Born: Philadelphia, PA, April 15, 1957  
Citizenship: United States, Ireland

### **EDUCATION**

Ph.D., Economics, Univ. of Virginia, 1985. Dissertation: "Cigarette Smoking: Habits, Health Concerns, and Heterogeneous Unobservables in a Microeconomic Analysis of Consumer Demand"

B.A., Economics (magna cum laude), Georgetown Univ., June 1979

### **RESEARCH INTERESTS**

Health Economics; Applied Econometrics; Evaluation Methodology; Unhealthy Behaviors

### **PRIMARY PROFESSIONAL APPOINTMENTS**

1997-Pres. Univ. of Wisconsin-Madison: Professor, Population Health Sciences (Assoc. Prof., 1997-99);  
Affiliate Professor, LaFollette School of Public Affairs, Center for Demography and Ecology

2011-14. University College Dublin, Geary Institute: Visiting Professor

2005. University College Dublin, Geary Institute: Visiting Scholar

1988-96. Trinity College (CT): Associate Professor of Economics (Assistant Professor, 1988-92)

1995-96. Univ. of Connecticut School of Medicine: Visiting Assistant Professor of Psychiatry

1986-88. Yale Univ.: NIMH Postdoctoral Fellow, Institution for Social and Policy Studies; Lecturer in  
Economics (School of Organization and Management; Dept. of Epidemiology and Public Health;  
Dept. of Economics)

1982-86. Resources for the Future, Washington: Fellow (Research Assistant 1982-85)

1980-82. Univ. of Virginia: Teaching Assistant and Research Assistant, Dept. of Economics

Summer 1981. State of New Jersey, Pinelands Commission: Economist

1978-80. Data Resources, Inc.: Economist

## **OTHER PROFESSIONAL APPOINTMENTS**

2009-Pres. Centro de Estudos e Investigação em Saúde da Universidade de Coimbra (CEISUC), University of Coimbra (Collaborating Researcher)

2009-Pres. Health, Econometrics, and Data Group (HEDG), Univ. of York: Scientific Advisory Board (Affiliate Faculty since 2006)

1991-Pres. National Bureau of Economic Research, Health Economics and Health Care Programs: Research Associate (Faculty Research Fellow 1991-1993)

1995-96. Univ. of Connecticut Health Center: NIAAA Postdoctoral Fellow

1988-94. Resources for the Future, Washington, DC: University Fellow

## **EDITORIAL ACTIVITIES (Current)**

*Health Economics*, Co-Editor, 2009-Pres.; Associate Editor, 2007-09; Editorial Board, 2001-06

*Journal of Health Economics*, Associate Editor, 2005-Pres.

*Health Services and Outcomes Research Methods*, Editorial Board, 2005-Pres.

*International Journal of Health Care Finance and Economics*, Editorial Board, 2001-Pres.

*Empirical Economics*: Guest Co-Editor, Health Econometrics Special Issue (forthcoming 2011)

*Economic Modeling*, July 2010: Guest Co-Editor, Health Econometrics Special Issue

## **MAJOR ADMINISTRATIVE/SERVICE ACTIVITIES (All at UW-Madison)**

2011-14. Elected Member, Social Studies Divisional (Tenure and Promotion) Committee

2006-09. Elected Member, Academic Planning Council, School of Medicine and Public Health

2002-03. Chair, Health Sciences Division Task Force

2000-01. Chair (Interim), Department of Population Health Sciences

1999-02. Member, Medical School Tenure-Track Promotions Committee (Chair 2001-2002)

## **MENTORING AND TEACHING**

### **Doctoral and Postdoctoral Supported Mentoring**

2002-Pres. Health & Society Scholars Program (Robert Wood Johnson). P.I. and Co-Director

1997-Pres. Training in Health and Mental Health Economics (NIMH T32). Current P.I. and Co-Director

2003-06 and 2007-10. Merck Quantitative Sciences Fellowship in Health Economics (Merck Company Foundation). P.I. and Co-Director

### Organizer

Health Econometrics Workgroup, UW-Madison (2009-Pres.)

### Ph.D. Students: Chair or Co-Chair of Dissertation Committee (All UW-Madison)

Student	Year of Ph.D.	Current Position
Chris Seplaki	2002	Asst. Prof., Univ. of Rochester
Hong Wang	2002	Senior Associate, Abt Associates; Adj. Asst. Prof. Yale Univ.
Henry Henk	2004	Fellow and Senior Dir., Innovus/Ingenix
Ben Craig	2004	Asst. Prof., Moffitt Cancer Center
Nilay Shah	2005	Asst. Prof., Mayo Clinic
Marlon Mundt	2007	Asst. Scientist., UW-Madison, Dept. of Family Medicine
Marguerite Burns	2008	Asst. Prof., Harvard Univ.
Brian Harahan	2008	Internal Medicine/Peds. Resident, Univ. of Minnesota
Theresa Hoeft	2008	Postdoc, Univ. of Alaska-Fairbanks
Kohei Enami	2011 (exp.)	Current Dissertator
Sarah Meier	2011 (exp.)	Current Dissertator

### Courses Taught

**Univ. of Wisconsin-Madison** (1997-Pres.): Seminar in Health Economics (Ph.D.); Determinants of Population Health (grad.; team taught); Health Economics (various grad./undergrad.); Economic Analysis for Population Health (Ph.D.); Explorations and Readings in Advanced Methods in Population Health (grad.)

**Trinity College** (1988-96): Microeconomic Theory (undergrad.); Health Economics (undergrad.); Principles of Economics (undergrad.); Public Finance (grad., undergrad.)

**Yale University** (1986-88): Health Economics (grad.); Econometrics (undergrad.)

### HONORS/AWARDS

Invited Keynote Speaker, Siena Health Econometrics Workshop (2012)

Outstanding Teacher Award, Department of Population Health Sciences (2010)

Invited Keynote Speaker, Rome Health Econometrics Workshop (2010)

Invited Keynote Speaker, Coimbra Workshop on the Demand for Health and Health Care (2010)

Invited Keynote Speaker, Portuguese Health Economics Association, Porto (2009)

Visiting Scholar, University of York (Centre for Health Economics and HEDG) (2009)

Invited Keynote Speaker, Milan Health Econometrics Workshop (2008)

Marie Curie Training Programme in Health Economics (E.U.): Masterclass Faculty, Coimbra (2008)

Invited Keynote Speaker, Australian Health Economics Society, Auckland (2005)

Excalibur (Distinguished Alumnus) Award, Bishop Eustace Prep School (2004)

International Health Economics Association, 2002 Kenneth J. Arrow Award (Best Paper in Health Economics Published in 2001: "Estimating Log Models: To Transform or Not to Transform?" *Journal of Health Economics* 20: 461-494 (W. Manning and J. Mullahy))

Invited Keynote Speaker, Conference on Transdisciplinary Tobacco Use Research, San Diego, CA (2001)

Invited Keynote Speaker, 9th European Workshop on Econometrics and Health Economics, Amsterdam (2000)

Earhart Foundation Fellowship, Univ. of Virginia, 1980-83

Phi Beta Kappa, Georgetown Univ., 1979

## **PUBLICATIONS**

### **Journal Publications**

"Understanding Socioeconomic and Racial Differences in Adult Lung Function." *American Journal of Respiratory and Critical Care Medicine* (in press, 2011) (D. van Sickle, S. Magzamen, J. Mullahy).

"Race and Preference-Based Health-Related Quality of Life Measures in the United States." *Quality of Life Research* (in press, 2011) (C. Pereira, M. Palta, J. Mullahy, D. Fryback).

"Understanding the Production of Population Health and the Role of Paying for Population Health." *Preventing Chronic Disease* (in press, 2011).

"For-Profit Hospital Status and Rehospitalizations to Different Hospitals: An Analysis of Medicare Data." *Annals of Internal Medicine* 153: 718-727 (2010) (A. Kind, C. Bartels, M. Mell, J. Mullahy, M. Smith).

"No Time to Lose: Time Constraints and Physical Activity in the Production of Health." *Review of Economics of the Household* 8: 409-432 (2010) (J. Mullahy and S. Robert).

"Hospital Costs for Treatment of Acute Heart Failure: Economic Analysis of the REVIVE-II Study." *European Journal of Health Economics* 11: 185-193 (2010) (G. de Lissovoy, K. Fraeman, J.R. Teerlink, J. Mullahy, J. Salon, R. Sterz, A. Durtschi, R.J. Padley).

"Econometric Modeling of Health Care Costs and Expenditures: A Survey of Analytical Issues and Related Policy Considerations." *Medical Care* 47: S104-S108 (2009).

- "Surgical Work Output: Is There Room for Increase? An Analysis of Surgical Work Effort from 1999-2003." *Journal of Surgical Research* 146: 90-95 (2008) (T. Breslin, D. Mahvi, D. Vanness, J. Mullahy).
- "Willingness to Pay for Reducing Fatal Risk by Improving Air Quality: A Contingent Valuation Study in Chongqing, China." *Science of the Total Environment* 367: 50-57 (2006) (H. Wang and J. Mullahy).
- "Generalized Modeling Approaches to Risk Adjustment of Skewed Outcomes Data." *Journal of Health Economics* 24: 465-488 (2005) (W. Manning, A. Basu, J. Mullahy).
- "Variation in Chinese Population Health Related Quality of Life: Results from a EuroQol Study in Beijing, China." *Quality of Life Research* 14: 119-32 (2005) (H. Wang, D. Kindig, J. Mullahy).
- "Comparing Alternative Models: Log vs Cox Proportional Hazard?" *Health Economics* 13: 749-765 (2004) (A. Basu, W.G. Manning, J.Mullahy).
- "Factors Influencing Decisions Regarding Influenza Vaccination and Treatment: A Survey of Healthcare Workers." *Infection Control and Hospital Epidemiology* 23: 625-627 (2002) (M. Steiner, L.C. Vermeulen, J. Mullahy, M.S. Hayney).
- "Live Long, Live Well: Quantifying the Health of Heterogeneous Populations." *Health Economics* 10: 429-440 (2001).
- "Estimating Log Models: To Transform or Not to Transform?" *Journal of Health Economics* 20: 461-494 (2001) (W. Manning and J. Mullahy).
- "It'll Only Hurt a Second? Microeconomic Determinants of Who Gets Flu Shots." *Health Economics* 8: 9-24 (1999).
- "Linking the Health Utilities Index to National Medical Expenditure Survey Data." *Pharmacoeconomics* 13: 531-541 (1998) (J. Rizzo, S. Pashko, R. Friedkin, J. Mullahy, and J. Sindelar).
- "Much Ado About Two: Reconsidering Retransformation and the Two-Part Model in Health Econometrics." *Journal of Health Economics* 17: 247-281 (1998).
- "Net Health Benefits: A New Framework for the Analysis of Uncertainty in Cost-Effectiveness Analysis." *Medical Decision Making* 18: S68-S80 (1998) (A. Stinnett and J. Mullahy).
- "Women and Work: Tipplers and Teetotalers." *Health Economics Letters* 6: 533-537 (1997) (J. Mullahy and J. Sindelar).
- "Instrumental-Variable Estimation of Count Data Models: Applications to Models of Cigarette Smoking Behavior" *Review of Economics and Statistics* 79: 586-593 (1997).
- "Heterogeneity, Excess Zeros, and the Structure of Count Data Models." *Journal of Applied Econometrics* 12: 337-350 (1997).

- "What You Don't Know Can't Hurt You? Statistical Issues in Designing Medical Technology Evaluation Standards." *Medical Care* 34: DS124-DS135 (1996).
- "Employment, Unemployment, and Problem Drinking." *Journal of Health Economics* 15: 409-435 (1996) (J. Mullahy and J. Sindelar). (Reprinted in *The Economics of Health Behaviors*, J.H. Cawley and D.S. Kenkel Eds., Elgar Publishers, 2008)
- "Health, Income, and Risk Aversion: Assessing Some Welfare Costs of Alcoholism and Poor Health." *Journal of Human Resources* 30: 439-459 (1995) (J. Mullahy and J. Sindelar).
- "Alcoholism and Income: The Role of Indirect Effects." *Milbank Quarterly* 72: 359-375 (1994) (J. Mullahy and J. Sindelar).
- "Do Drinkers Know When to Say When? An Empirical Analysis of Drunk Driving." *Economic Inquiry* 32: 383-394 (1994) (J. Mullahy and J. Sindelar).
- "Alcoholism, Work, and Income." *Journal of Labor Economics* 11: 494-520 (1993) (J. Mullahy and J. Sindelar).
- "Least Squares Estimation of Econometric Frontier Models: Consistent Estimation and Inference." *Scandinavian Journal of Economics* 95: 123-130 (1993) (R. Kopp and J. Mullahy).
- "Gender Differences in Labor Market Effects of Alcoholism." *American Economic Review* 81 (Papers and Proceedings): 161-165 (1991) (J. Mullahy and J. Sindelar).
- "Urban Air Quality and Chronic Respiratory Disease." *Regional Science and Urban Economics* 20: 407-418 (1990) (P. Portney and J. Mullahy).
- "Moment-Based Estimation and Testing of Stochastic Frontier Models." *Journal of Econometrics* 46: 165-183 (1990) (R. Kopp and J. Mullahy).
- "Air Pollution, Cigarette Smoking, and the Production of Respiratory Health." *Journal of Health Economics* 9: 193-205 (1990) (J. Mullahy and P. Portney). (Reprinted in *The Economics of Health Behaviors*, J.H. Cawley and D.S. Kenkel Eds., Elgar Publishers, 2008).
- "Weighted Least Squares Estimation of the Linear Probability Model, Revisited." *Economics Letters* 32: 35-41 (1990).
- "An Ounce of Prevention: Productive Remedies for Alcoholism." *Journal of Policy Analysis and Management* 9: 249-253 (1990) (J. Mullahy and J. Sindelar).
- "Lifecycle Effects of Alcoholism on Education, Earnings, and Occupation." *Inquiry* 26: 272-282 (1989) (J. Mullahy and J. Sindelar).
- "Specification and Testing of Some Modified Count Data Models." *Journal of Econometrics* 33: 341-365 (1986).
- "Urban Air Quality and Acute Respiratory Illness." *Journal of Urban Economics* 20: 21-38 (1986) (P. Portney and J. Mullahy).

## Chapters in Edited Volumes

- "Moving beyond Mean-Based Evaluation of Health Care." Chapter in *Elgar Companion to Health Economics*, 2nd Edition. Cheltenham: Edward Elgar (2011) (D. Vanness and J. Mullahy).
- "Perspectives on Mean-based Evaluation of Health Care." Chapter in *Elgar Companion to Health Economics*. Cheltenham: Edward Elgar (2006) (D. Vanness and J. Mullahy).
- "Health, Income, and Inequality." in *Social Inequality*, K. Neckerman, ed.: New York: Sage Foundation (2004) (S. Robert, B. Wolfe, J. Mullahy).
- "Health Policies for the Nonelderly Poor" in *Understanding Poverty*, S.H. Danziger and R.H. Haveman, eds. Cambridge, MA: Harvard (2002) (J. Mullahy and B. Wolfe).
- "Drinking, Problem Drinking, and Productivity." *Recent Developments in Alcoholism* Vol. 14 (1998) (J. Mullahy and J. Sindelar).
- "Statistical Issues in Cost-Effectiveness Analyses." in Frank Sloan, ed.: *Valuing Health Care: Costs, Benefits, and Effectiveness of Pharmaceuticals and Other Medical Technologies*. Cambridge University Press (1995) (J. Mullahy and W. Manning).
- "Gender Differences in the Effects of Mental Illness on Labor Force Participation." in I. Siragelden, ed. *Research in Human Capital and Development: Female Labor Force Participation* (1990) (J. Mullahy and J. Sindelar).
- "Cigarette Smoking, Air Pollution, and Respiratory Illness: An Analysis of Relative Risks." in V.K. Smith, ed. *Advances in Applied Microeconomics*, Vol. 4 (1987) (J. Mullahy and P. Portney).
- "Econometric Estimation of Microeconomic Recreation Participation Models." in D. Pearce and N. Rau, eds. *Economic Perspectives* (1987).

## Comments, Reviews, Miscellanea

- "Comparative Effectiveness -- of What? Evaluating Strategies to Improve Population Health." (Commentary) *JAMA* 304: 901-902 (2010) (D.A. Kindig and J. Mullahy).
- "Tobit at Fifty: A Brief History of Tobin's Remarkable Estimator, of Related Empirical Methods, and of Limited Dependent Variable Econometrics in Health Economics." *Health Economics* 18: 619-628 (2009) (K. Enami and J. Mullahy).
- "Let Bars Buy, Sell Smoking Permits." Op-Ed., *Wisconsin State Journal* (Sept. 25, 2005) (R. Haveman and J. Mullahy).
- "Introductory Comments" (Demand for Health Symposium). *Journal of Health Economics* 23: 627 (2004).
- "Services Integration and Cost-Effectiveness." *Alcoholism: Clinical and Experimental Research* 27: 271-280 (2003) (M.E. Hilton, et al.).

"Comment on 'Guns and Suicide' by Mark Duggan." in *Evaluating Gun Policy: Effects on Crime and Violence*, J. Ludwig and P. Cook, eds. Washington: Brookings Institution (2003).

Review of *Econometric Analysis of Health Data*, by A. Jones and O. O'Donnell. *Health Economics* 12 (2003).

"Comment on 'Estimation of Limited-Dependent Variable Models with Dummy Endogenous Regressors: Simple Strategies for Empirical Practice' by Josh Angrist." *Journal of Business and Economic Statistics* 19: 23-25 (2001).

"Substance Abuse and Labor Markets: Comments on Kenkel-Wang and Silverman-Robles." in M. Grossman, ed. *The Economic Analysis of Substance Use and Abuse*. NBER (1999).

"Alcohol Screening and Brief Intervention: Where Research Meets Practice." *Connecticut Medicine* 61: 565-575 (1997) (J. Higgins-Biddle, T. Babor, J. Daniels, B. McRee, and J. Mullahy).

"The Negative Side of Cost-Effectiveness Analysis." Letter, *Journal of the American Medical Association* 277: 1931-1932 (1997) (A. Stinnett and J. Mullahy).

"Questions and Answers." *Medical Care* 34: DS146-DS150 (K. Schulman, B. O'Brien, H. Llewellyn-Thomas, J. Mullahy, G. Koch).

"Instrumental Variable Estimation of Poisson Regression Models." *American Statistical Association Proceedings of the Business and Economic Statistics. Section 1994* (Abridged version of "Instrumental Variable Estimation of Count Data Models" (cited above)).

"Immunization of Young Children." *The Future of Children* 4: 236-247 (1994) (E. Lewit and J. Mullahy).

"Alcohol and Cigarette Taxes." *Journal of Economic Perspectives* 7: 211-222 (1993) (M. Grossman, J. Sindelar, J. Mullahy, and R. Anderson).

Reviews of *Serious and Unstable Condition* by H.J. Aaron and *Rights to Health Care*, T.J. Bole and W.B. Bondeson, eds. *Journal of Policy Analysis and Management* 12: 216-220 (1993).

"Adam Smith as Health Economist: The Oat Bran Controversy Was Actually Resolved in 1776." *Journal of Health Economics* 9: 367-369 (1990).

"What Price A Day Ticket?" *Trout and Salmon* (Jan. 1983) (C. Russell and J. Mullahy).

## **Government Publications**

"Economic Issues in Alcohol Use and Problem Drinking." Chapter 8 in *9th Special Report to the U.S. Congress on Alcohol and Health*. Washington: NIAAA (1997).

"Alcohol and the Labor Market." Chapter 6 in M. Hilton and G. Bloss, eds., *Economics and the Prevention of Alcohol-Related Problems*. Washington: National Institute on Alcohol Abuse and Alcoholism (1993).

"Effects of Alcohol on Labor Market Success: Income, Earnings, Labor Supply, and Occupation." *Alcohol*



*Health & Research World* 16: 134-139 (1992) (J. Mullahy and J. Sindelar).

## **Government Reports**

*VOC Emissions and Chronic Illness: A Preliminary Analysis*. U.S. Environmental Protection Agency (1987) (P. Portney and J. Mullahy).

*Econometric Analyses of the Relationships between Respiratory Illness and Air Pollution*. U.S. Environmental Protection Agency (1987) (P. Portney and J. Mullahy).

*Ambient Ozone and Human Health: An Epidemiological Analysis*. U.S. Environmental Protection Agency, Publication No. EPA-450/5-85-005 (1985) (P. Portney and J. Mullahy).

## **EXTERNAL FUNDING (P.I.)**

Merck Company Foundation (to UW-Madison): Merck Predoctoral Fellowship Program in Health Economics (2003-06 and 2007-10)

Robert Wood Johnson Foundation (RWJ-53574, to UW-Madison): Health & Society Scholars Program (2002-Pres.)

NIMH (T32-MH018029, to UW-Madison): The Economics of Mental Health (1989-Pres; P.I. 2007-Pres.)

NIAAA and ORWH (R01-AA10393, to NBER): "Alcohol Demand and Labor Market Outcomes II -- Labor Markets" (1996-99)

Packard Foundation (93-5713, to NBER): "Economic Aspects of Childhood Immunizations" (1993-94)

## **PROFESSIONAL ACTIVITIES**

### **Boards**

American Society of Health Economists (ASHEcon): Board of Trustees (2006-10), Secretary (2009-Pres.)

### **Organizing Committees**

Annual Health Econometrics Workshop (2009-Pres.)

### **Referee/Reviewer/Peer Review Groups, Study Groups, etc.**

Over 25 peer-reviewed journals and university presses

National Science Foundation

U.S.P.H.S. Panel on Cost-Effectiveness in Health and Medicine

NIMH Special Review Committee, External Reviewer (2007)

Health Research Board (Ireland), External Reviewer (2003, 2005)

EPA Socioeconomics Review Panel (1991-93)

NIDA Special Review Committee (1993)

NIAAA Epidemiology/Prevention Review Panel, Ad Hoc Member (1991-92)

Outside reviewer for: NIAAA, AHCPR

### **Member**

American Economic Association  
International Health Economics Association  
American Society of Health Economists

#### **Consulting**

Amgen  
Circa Group (UCD, Dublin)  
United Biosource (for Abbott Labs)  
PointOne Systems  
Industrial Economics (for the United Nations Compensation Commission)  
Duke University/Joyce Foundation Project on the Costs of Gun Violence  
Pfizer Pharmaceuticals  
Centers for Disease Control  
Janssen Pharmaceuticals  
Bristol-Myers-Squibb Pharmaceuticals  
American Psychiatric Association

#### **Miscellaneous Professional Activities**

Chair, Local Organizing Committee, American Society of Health Economists, Inaugural Conference, Madison, June 2006

Member, Policy Core Group, Injury Research Center, Medical College of Wisconsin, 2005-pres.

AHRQ, *Treating Tobacco Use and Dependence* Clinical Practice Guideline, Consultant, 2000

#### **Selected Invited Presentations (past five years)**

Univ. of Minnesota: "Modeling Persistence in Healthcare Expenditures" (August 2011)

Georgetown Univ.: "Comparative Effectiveness and the Evidence Base of Evidence-Based Healthcare" (July 2011)

Univ. of Chicago: "Comparative Effectiveness and the Evidence Base of Evidence-Based Healthcare" (June 2011)

Univ. of Milan-Bicocca: "Measuring Outcomes, Effectiveness, and Comparative Effectiveness in Healthcare" (May 2011)

Scuola Superiore Sant'Anna, Univ. of Pisa: "Geographical Issues in Health Policy and Economics" (May 2011)

Catholic Univ. of the Sacred Heart (Rome) Health Econometrics Workshop: "Multivariate Fractional Regression Estimators for Econometric Share Models: Applications to Healthcare Expenditures." (July 2010)

Univ. of Coimbra: "Multivariate Fractional Regression Estimators for Econometric Share Models: Applications to Healthcare Expenditures." (May 2010)

Univ. of Arizona: "Multivariate Fractional Regression Estimators for Econometric Share Models:

Applications to Healthcare Expenditures." (April 2010)

Univ. Catolica Portuguesa, Porto: "Economic and Econometric Aspects of Time Use and Health." (October 2009)

Univ. of Coimbra, CEIS/FEUC: "Economic Evaluation: Concepts, Methods, and Opportunities." (October 2009)

Univ. of York, Centre for Health Economics: "Comparative Effectiveness in a World Where Individual Results May Vary." (April 2009)

Milano-Bicocca Health Econometrics Workshop: "Interaction Effects." (December 2008)

Mayo Clinic: "Econometric Modeling of Healthcare Costs." (May 2008)

BU-Harvard-MIT Health Economics Seminar: "Quantifying Comovement among Multivariate Outcomes in Health Economics, with an Application to Surgical Procedure Volume and Mortality." (March 2008)

Yale University: "Understanding Interaction Effects in Health Policy Analysis." (Dec. 2007)

AHRQ-NCI Conf. on Health Care Costs: "Econometric Modeling of Health Care Costs." (Dec. 2007)