

JOHN MULLAHY

Univ. of Wisconsin–Madison
Dept. of Population Health Sciences
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Madison, WI 53726
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ORCID: 0000-0001-8605-3899

PERSONAL

Born: Philadelphia, PA
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, Madison, WI

Professor of Population Health Sciences (Assoc. Prof., 1997-99)
Professor of Risk and Insurance (affiliate professor)
Professor of Public Affairs (affiliate professor)
Center for Demography and Ecology (affiliate faculty)
Center for Demography of Health and Aging (affiliate faculty)
Institute for Research on Poverty (affiliate faculty)
Center for Financial Security (affiliate faculty)

2014-Pres. University of Galway, Galway, Ireland: Honorary Professor of Health Economics

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

2005. University College Dublin, Dublin, Ireland: Visiting Scholar, Geary Institute

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

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

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

Health; Dept. of Economics)

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

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

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

1978-80. Data Resources, Inc., Washington, DC: Economist

OTHER PROFESSIONAL APPOINTMENTS

2020-Pres. EuroQol EQ-5D-5L Valuation Study: Quality Control Committee.

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

2009-2018. Health, Econometrics, and Data Group (HEDG), Univ. of York: Scientific Advisory Board (Affiliate Faculty since 2006)

2009-2015. Centro de Estudos e Investigação em Saúde da Universidade de Coimbra (CEISUC), University of Coimbra (Collaborating Researcher)

2007-2015. Injury Research Center, MCW (Collaborating Economist)

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

1988-94. Resources for the Future: University Fellow

EDITORIAL ACTIVITIES

Health Economics, Co-Editor, 2009-2019. (Associate Editor, 2007-09; Editorial Board, 2001-06; Editor Emeritus, 2019-pres.)

Journal of Health Economics, Associate Editor, 2005-2015.

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

International Journal of Health Economics and Management, Editorial Board, 2001-2017.

JRSS-A: Guest Co-Editor, Health Econometrics Special Issue (2016)

Regional Science and Urban Economics: Guest Co-Editor, Health Econometrics Issue (2015)

Encyclopedia of Health Economics, Co-Editor, Health Econometrics Section (2014, Elsevier Publishers)

Empirical Economics: Guest Co-Editor, Health Econometrics Special Issue (2013)

Economic Modeling: Guest Co-Editor, Health Econometrics Special Issue (2011)

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

- 2022-2023. Interim Director, Center for Demography and Ecology
- 2018-Pres. Committee on Faculty Rights and Responsibilities (elected member)
- 2012-2021. Co-Director of Graduate Training, Center for Demography and Ecology
- 2016-2018. Steering Committee, UW-Madison Federal Statistical Research Data Center
- 2014-2015. Ad Hoc Committee on Academic Boycotts (appointed member)
- 2011-14. Social Studies Divisional (Tenure and Promotion) Committee (elected member)
- 2006-09. Academic Planning Council, School of Medicine and Public Health (elected member)
- 2002-03. Chair, Health Sciences Division Task Force (appointed)
- 2000-01. Interim Chairman, 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

- 1997-2017. Training in Health and Mental Health Economics (NIMH T32). P.I. and Co-Director
- 2002-2016. Health & Society Scholars Program (Robert Wood Johnson). 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

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

Student	Year of Ph.D.	Current Position
Chris Seplaki	2002	Assoc. Prof., Univ. of Rochester
Hong Wang	2002	Senior Program Officer, Gates Foundation
Henry Henk	2004	VP of Research, OptumLabs
Ben Craig	2004	Assoc. Prof., Moffitt Cancer Center
Nilay Shah	2005	Delta Airlines
Marlon Mundt	2007	Assoc. Prof, UW-Madison, Dept. of Family Medicine
Marguerite Burns	2008	Assoc. Prof., UW-Madison, Pop. Health Sciences
Brian Harahan	2008	Internal Medicine/Peds. Resident, Univ. of Minnesota
Theresa Hoeft	2008	Fellow, University of Washington
Sarah Meier	2013	Research Health Economist, RTI

Kohei Enami	2014	Agency for Medical Research and Development (Japan)
Jason Paltzer	2014	Asst. Prof., Baylor Univ.
Paul Creswell	2014	Scientist, UW-Madison Center for Tobacco Research
Daniel Jung	2018	Postdoc, Univ. of Chicago

Teaching

Univ. of Wisconsin-Madison (1997-Pres.): Health Economics and Financial Management (M.B.A.); 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.); Measuring Health Outcomes (grad.)

Summer School Programs, Masterclasses, etc.

Ireland Health Economics Masterclass-III (UCD, Dublin, 2022) (co-organizer)
Ireland Health Economics Masterclass-II (Queen's Univ. Belfast, 2018) (co-organizer)
Ireland Health Economics Masterclass-I (NUI Galway, 2016) (co-organizer)
University of Bergamo (2014)
University of Coimbra (2010)
University of York (2009)

University of Wisconsin-Madison, School of Business, Executive Education (2013-2014): Health Economics

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.)

PUBLICATIONS

Journal Publications

"The Relative Importance of Hospital Discharge and Patient Composition in Changing Post-Acute Care Utilization and Outcomes among Medicare Beneficiaries." *Health Services Insights*. In press (2023) (Y. Cao, Y. Wang, J. Mullahy, M. Burns, Y. Liu, M. Smith).

"Placing Medicare Beneficiaries at Financial Risk: The Cost of Observation, Inpatient Hospitalization and Neighborhood Disadvantage." *Journal of General Internal Medicine* 37: 2601–2603 (2022) (W.R. Powell, F.A. Kaisow, J. Mullahy, B.P. Golden, A.J.H. Kind, A.M. Sheehy).

"Investigating Health-Related Time Use with Partially Observed Data." *Review of Economics of the Household* 20: 103-121 (2022). (Code and data available in a [downloadable zip file](#))

"Embracing Uncertainty: The Value of Partial Identification in Biomedical Research." *American Journal of Preventive Medicine* 61: e103–e108 (2021) (J. Mullahy, A. Venkataramani, D. Millimet, C. Manski).

"Discovering Treatment Effectiveness via Median Treatment Effects—Applications to COVID-19 Clinical Trials." *Health Economics* 30: 1050-1069 (2021).

- "Individual Results May Vary: Inequality-Probability Bounds for Some Health-Outcome Treatment Effects." *Journal of Health Economics* 61: 151-162 (2018).
- "Marginal Effects in Multivariate Probit Models." *Empirical Economics* 52: 447-461 (2017).
- "Estimation of Multivariate Probit Models via Bivariate Probit." *Stata Journal* 16: 37-51 (2016).
- "Multivariate Fractional Regression Estimation of Econometric Share Models." *Journal of Econometric Methods* 4: 71-100 (2015).
- "The Effectiveness-Efficiency Trade-Off in Health Care: The Case of Hospitals in Lombardy, Italy." *Regional Science and Urban Economics* 49: 217-231 (2014) (G. Martini, P. Berta, J. Mullahy, G. Vittadini).
- "Sleep Behavior and Unemployment Conditions." *Economics and Human Biology* 14: 22-32 (2014) (M. Antillon, D. Lauderdale, J. Mullahy).
- "Understanding Socioeconomic and Racial Differences in Adult Lung Function." *American Journal of Respiratory and Critical Care Medicine* 184: 521-527 (2011) (D. van Sickle, S. Magzamen, J. Mullahy).
- "Understanding the Production of Population Health and the Role of Paying for Population Health." *Preventing Chronic Disease* 7: Issue 5 (2010).
- "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).
- "Generalized Modeling Approaches to Risk Adjustment of Skewed Outcomes Data." *Journal of Health Economics* 24: 465-488 (2005) (W. Manning, A. Basu, 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).

Contributions to Published **Student/Trainee** Research

"Likelihood of Hospital Readmission in Medicare Advantage and Fee-for-Service within Same Hospital." *Health Services Research* 55: 587-595 (2020). (**D. Jung**, E. DuGoff, M. Smith, M. Palta, A. Gilmore-Mykovskiy, J. Mullahy)

"Considering Mean and Inequality Health Outcomes Together: The Population Health Performance Index." *International Journal for Equity in Health* 17: 25 (2018). (D. Kindig, **N. Lardinois**, Y. Asada, J. Mullahy).

"Substance Use Screening, Brief Intervention, and Referral to Treatment Among Medicaid Patients in Wisconsin: Impacts on Healthcare Utilization and Costs." *Journal of Behavioral Health Services and Research* 44: 102-112 (2017). (**J. Paltzer**, R.L. Brown, M. Burns, D.P. Moberg, J. Mullahy, A.K. Sethi, D. Weimer).

"Cumulative Social Risk Exposure, Infant Birthweight, and Cognitive Delay in Infancy Academic Pediatrics." *Academic Pediatrics* 14: 581-588 (2014) (**E. Cheng**, J. Poehlmann, J. Mullahy, W. Witt).

"Development of a Novel, Objective Measure of Health Care-Related Financial Burden for U.S. Families with Children." *Health Services Research* 49: 1852-1874 (**L. Wisk**, R. Gangnon, D. Vanness, A. Galbraith, J. Mullahy, and W. Witt).

"The Association between Motor Vehicle Injuries and Health-Related Quality of Life: A Longitudinal Study of a Population-based Sample in the United States." *Quality of Life Research*, e-pub ahead of print (2013) (**S. Alghnam**, M. Palta, P. Remington, J. Mullahy, M. Durkin).

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

"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).

"Surgical Work Output: Is There Room for Increase? An Analysis of Surgical WorkEffort 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).

"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).

Recent Working Papers

"Partial Identification of Treatment-Effect Distributions with Count-Valued Outcomes." NBER W.P. 31005 (2023).

"Using Measures of Race to Make Clinical Predictions: Decision Making, Patient Health, and Fairness." NBER W.P. 30700 (2022) (with C. Manski and A. Venkataramani) (under review).

"Why Transform Y ? A Critical Assessment of Dependent-Variable Transformations in Regression Models for Skewed and Sometimes-zero Outcomes." NBER W.P. 30735 (2022) (with E. Norton) (under review).

"Treatment Effects with Multiple Outcomes." NBER W.P. 25307 (2018) (under revision).

"Healthy-Time Measures of Health Outcomes and Healthcare Quality" NBER W.P. 22562 (2016) (with M. Burns).

Chapters in Edited Volumes

"Investigating Health Outcomes Defined by Multiple Chronic Conditions." Chapter in *Volume of Contributions in Economic Analysis, In Honour of Professor Andrew Jones*. B. Baltagi and F. Moscone, Eds. Emerald Publishing (forthcoming 2023).

"Health Status Measurement." Chapter in *Oxford Research Encyclopedia of Economics and Finance*, A. Jones, Ed. Oxford: OUP (2018).

"Health Econometrics: An Overview." Chapter in *Encyclopedia of Health Economics*, A. Culyer, Ed. Amsterdam: Elsevier (2014) (A. Basu and J. Mullahy).

"Moving beyond Mean-Based Evaluation of Health Care." Chapter in *Elgar Companion to Health Economics*, 2nd Edition. Cheltenham: Edward Elgar (2012) (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).

Editorials, Comments, Reviews, Blogs, Miscellanea

"Can The Population Health 'Fantasy Equation' Be Solved? Does It Need To Be?" *Health Affairs Forefront* 10.1377/forefront.20220301.585301 (2022) (D.A. Kindig and J. Mullahy).

"Health and Evidence in Health Economics." *Health Economics* 28: 1163-1165 (2019).

Foreword to *Determinants of Health: An Economic Perspective*, by M. Grossman. New York: Columbia University Press (2017).

"Twenty-Five Years of Health Economics: A Tribute to Alan Maynard and Acknowledgement of the Work of the Editorial Board." *Health Economics* 26: 3-5 (2017) (A. Briggs, J. Hutton, A.M. Jones, J. Mullahy, F. Sharp, S. Stearns).

"Assessing the Value of Pharmaceuticals: A U.S. Perspective." *Pharmacoeconomics* 35: 1-4 (2017) (S.M. Walton, A. Basu, J. Mullahy, S. Hong, G.T. Schumock)

"Time and Health Status in Health Economics." *Health Economics* 25: 1351-1354 (2016).

"Editorial Statement on Negative Findings." *Health Economics* 24: 505 (2015) (Multiple contributors).

"In Memoriam: Willard G. Manning, 1946-2014." *Health Economics* 24: 253-257 (2015).

"Recommendations for Improving the Health System: Academics Speak Out." *Health Management, Policy, and Innovation* 1: 44-59 (2012) (Multiple contributors).

"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.)

Robert Wood Johnson Foundation, Evidence for Action Research Program (73336, to UW-Madison): Multiple Chronic Conditions and Population Health (2016-2018).

Robert Wood Johnson Foundation (to UW-Madison): Health & Society Scholars Program (2002-2016).

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

NIMH (T32-MH018029, to UW-Madison): The Economics of Mental Health (1997-2017; P.I. 2007-2017).

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

Interdisciplinary Association for Population Health Science: Board of Directors (2015-2016).

American Society of Health Economists (ASHEcon): Board (2004-2014), Secretary (2009-2014).

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

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, 2005-2012

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

Invited Presentations (past five years)

Stata Texas Empirical Micro Conference: "Which Confidence Interval?" (March 2023).

UAM (Madrid): "Which Confidence Interval?" (November 2022).

Carolina Kidney Alliance: "Value-Based Health Care" (April 2022).

NUI Galway: "Which Confidence Interval?" (March 2022).

Irish Masterclass in Health Economics, University College Dublin: "Confidence Intervals" (March 2022)

University of Glasgow: "Which Confidence Interval?" (February 2022).

NUI Galway: "Health and Evidence in Health Economics." Keynote Speaker, MSc in Health Economics 10th Anniversary Symposium (June 2019)

Epic Systems: "What is Value-Based Health Care?" (April 2019)

Bergamo Health Econometrics Workshop: "Composite Health Outcomes and Multidimensional Treatment Effects" (July 2018)

University of Chicago: "Empirical Strategies for Multidimensional Health Outcomes" (April 2018)

Irish Masterclass in Health Economics, Queen's University Belfast: "Multidimensional Health Outcomes" (April 2018)

HONORS/AWARDS

Outstanding Teacher Award, Department of Population Health Sciences (2010, 2021)

American Society of Health Economists, 2019 Willard G. Manning Memorial Award for Best Research in Health Econometrics ("Individual Results May Vary: Inequality-Probability Bounds for Some Health-Outcome Treatment Effects." *Journal of Health Economics* 61: 151-162 (2018))

Invited Keynote Speaker, Bergamo Health Econometrics Workshop (2018)

Invited Will Manning Memorial Lecturer, University of Chicago (2018)

Keynote Speaker, Bari Health Econometrics Workshop (2016)

Plenary Speaker, HESG Manchester (2016)

Keynote Speaker, Padova Health Econometrics Workshop (2014)

Keynote Speaker, Canadian Health Economists Study Group, Victoria, BC (2014)

Visiting Scholar, NUI Galway (2013)

Keynote Speaker, Siena Health Econometrics Workshop (2012)

Keynote Speaker, Rome Health Econometrics Workshop (2010)

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

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

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

Keynote Speaker, Milan Health Econometrics Workshop (2008)

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

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))

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

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