

Curriculum Vitae

John F. Moeller, Ph.D.

Education

University of Colorado, Boulder, Colorado 1960-1964
B.A., Economics, 1964

University of Wisconsin, Madison, Wisconsin, 1964-1970
M.A., Economics, 1967
Ph.D., Economics, 1970

Dissertation

Household Budget Responses to Negative-Tax Simulations, Institute for Research on Poverty Doctoral Thesis Fellowship. 1970.

Professional Experience

2003- **Private Consultant**

1988-2003 **Agency for Healthcare Research and Quality**, Director, Division of Modeling and Simulation, CCFS (1999 -); Team Leader, Modeling Group, CCFS (1996-98); Senior Project Director (1992-95); Service Fellow (1988-92). Responsibilities included directing the development and maintenance of the MEDical expenditure microSIMulation model (MEDSIM) that estimates economic impacts of health care reforms such as medical savings accounts, tax caps on employer contributions to health insurance coverage, and parity in mental health coverage. Also responsible for the editing of prescription drug expenditure and use data from the Medical Expenditure Panel Survey.

- One of the key analysts for a recent Report to the President on prescription drugs by DHHS that investigated the impact of health insurance coverage on prescription expenditures and prices
- Analyzed participation, cost, and distributional impacts of Medical Savings Accounts with the MEDSIM model.
- Analyzed gainers and losers under a market-based health care reform subsidizing private health insurance purchases by low income families through federal income

tax credits.

- Participated as a member of White House Interagency Task Force on Health Care Reform and produced microsimulation estimates of the costs of an employer mandate reform.
- C Developed the MEDTAX microsimulation model of personal income and payroll taxes with household health expenditure survey data.
- C Produced estimates of changes in federal income and payroll tax revenues from taxing employer shares of health insurance premiums with the MEDTAX model.
- C Analyzed measurement errors in reporting poverty status at two separate points in time with the National Medical Expenditure Survey data.
- C Directed a Report to Congress on outpatient prescription drug use and expenditure by Medicare beneficiaries as mandated by the Medicare Catastrophic Coverage Act of 1988.
- C Analyzed the demand for outpatient prescription drugs induced by health insurance coverage.
- C Analyzed characteristics of Medicare beneficiaries with catastrophic levels of spending on outpatient prescription drugs.

1985-1988 **ICF, Incorporated**, Project Manager. Project work included:

- C Managed Projects for the National Institute on Aging that developed health, consumer expenditure and household formation models for a macroeconomic-demographic model of the U.S.
- C For DHHS-ASPE, analyzed gender differences in pension coverage using logit models estimated with the Pension Supplement to the CPS.
- C For DOT-NHTSA and Congress, analyzed consumer preferences and sales impacts for automatic safety belt systems using a 1987 national telephone survey on new car buyers.
- C For DHHS-HRSA, designed and analyzed revisions and updates to the health and economic/demographic modules of the MICROSIM dynamic microsimulation model.

- c For the Office of Toxic Substances, EPA, managed regulatory impact analyses of emergency planning and community right-to-know provisions in the Superfund legislation.

1983 - 1985 **SRA Technologies**, Senior Economist and Associate Director, Human Resources Research Division. Project work included:

- c Participated in the sample survey design and principal economic analyst in a study investigating OBRA impacts on the Expedited Services and regular participants in the Food Stamp program for the Food and Nutrition Service, U.S. Department of Agriculture and Congress.
- c For the Office of Family Assistance, Social Security Administration, DHHS, statistically analyzed and validated entered employment data reported by the WIN demonstration programs in selected states.
- c For the Health Resources and Services Administration, Bureau of Health Professions, DHHS directed a study to produce an inventory of health professions requirement standards and methodologies.
- For the Office of Naval Research, Department of Navy, statistical analyst in a project designed to prioritize research areas and projects for the civilian personnel workforce supporting the Navy mission.

1981 - 1983 **The Policy Research Group, Inc.** Senior Economist, Technical Studies Division. Projects included:

- c For the Center for Human Resources Research, Ohio State, University Research Foundation, analyzed the socioeconomic, dynamic impacts of CETA employment and training programs, and vocational education and work-study programs on youth. Study used three waves of the National Longitudinal Survey data (1979-1981).
- c For the Employment and Training Administration, U.S. Department of Labor, analyzed alternative qualifying requirements and repeater behavior in the unemployment insurance program with the unemployment insurance simulation model; converted model to 1980 Census data base.

- C For the Health Resources Administration, U.S. Department of Health and Human Services, (1) validated the aggregative and distributional forecasting ability of the dynamic MICROSIM microsimulation model, (2) developed new state-level household migration, state income tax and payroll tax, expenditure and saving, and industry/occupation modules, and (3) developed a household health care utilization and insurance coverage "post-processor" model for MICROSIM. Conducted econometric analyses with the Health Interview Survey, the Survey of Income and Education, and the Consumer Expenditure Survey data.
- C For Food and Nutrition Service, U.S. department of Agriculture, developed an analysis plan and sample design for a primary data collection effort on privately funded emergency food programs.

1981 **Social and Scientific Systems, Inc.**, Consulting Economist.

- C For DOE, converted the indirect impacts model to a Census data base and integrated it with energy forecasts from the CHRDS microsimulation model. Estimated household expenditure responses to deregulation of national gas prices with the revised model.

1981-2003 **Charles R. Mann Associates, Inc.** Senior Consulting Economist.

- C Expert witness to Maryland, Virginia, and District of Columbia attorneys in wrongful death, wrongful discharge, personal injury, divorce and other related cases involving economic loss estimates. Prepared numerous reports and provided testimony in the Superior Court of the District of Columbia, U.S. District Courts of the District of Columbia, Maryland, and New Jersey, and Circuit Courts of Montgomery and Prince George's Counties of Maryland in addition to deposition and arbitration panel appearances.

1977 - 1981 **Mathematica Policy Research, Inc.**, Senior Economist, Policy Studies Division.

- C For ASPE, DHEW (1) generalized the marital behavior of participants in the Seattle-Denver Income Maintenance Experiments to a national population using the MATH microsimulation model and estimated continuous-in-time marriage and marital dissolution "rate" equations; (2) developed a technical design for generalizing tobit estimates of labor supply behavior in the Gary Income Maintenance Experiment to a national population with the MATH microsimulation model to a national population; (3) analyzed expenditure and saving behavior of separate welfare recipient and taxpayer households with econometric models of

consumer demand based on the permanent income theory of consumption; and (4) evaluated alternative micro-macro models of the U.S.

- C Developed econometric models of deductible household expenses for the U.S. Treasury Department's federal income tax simulation model.
- C Developed econometric models of deductible household medical and housing expenditures for the Food and Nutrition Service, USDA for use in their Food Stamp program microsimulation model.
- C For the Energy Information Administration, DOE developed an indirect impacts model featuring linkages between macroeconomic and microsimulation models and designed to provide distributional estimates for alternative energy policies.
- C Estimated distributional impacts of a disruption in the supply of foreign oil with the indirect impacts model in a follow-on project sponsored jointly by the DOE and Treasury.

1974 - 1977 **University of Maine, Orono**, Assistant Professor of Economics.

- Taught undergraduate courses in economic statistics and economic theory and a graduate course in econometrics.

1972 - 1974 **Bates College**, Assistant Professor of Economics.

- Taught undergraduate courses in econometrics, economic statistics, mathematical economics, labor economics, and economic theory.

1969 - 1972 **The Urban Institute**, Staff Economist, Income Maintenance Project. Responsible for:

- C Development of technical specifications for the original TRIM microsimulation model designed to evaluate distributional impacts of transfer/tax policy reforms.
- C Development of estimates of welfare reform proposals related to the Nixon Administration's Family Assistance Plan.

1969 **3M Company**, Senior Operations Research Analyst.

- C Developed a forecasting model for the industrial tape division linking sales to various national economic indicators.

Awards and Honors

2002	Secretary's Distinguished Service Award, DHHS
2002	Director's Award for Excellence, AHRQ, DHHS
2002	Director's Award for Outstanding Group Performance, AHRQ, DHHS
2001	Superior Internal Service Award, AHRQ, DHHS
2001	On-the Spot Award, AHRQ, DHHS
2000	Superior Agency Achievement Award, AHRQ, DHHS
2000	Superior Agency Achievement Award, AHRQ, DHHS
2000	On-the-Spot Award, AHRQ, DHHS
1999	Superior Internal Service Award, AHCPR, DHHS
1999	Secretary's Award for Distinguished Service, DHHS
1998	Administrator's Citation for Outstanding Group Performance, AHCPR, DHHS
1993	Administrator's Award of Merit, AHCPR, DHHS
1973	President's Advisory Committee, Bates College
1967-1969	Institute for Research on Poverty Doctoral Dissertation Fellowship, University of Wisconsin
1964	Phi Beta Kappa

Publications

Stagnitti, M., Miller, G.E., and *Moeller, J.*, "Outpatient Prescription Drug Expenses, 1999," with Marie Stagnitti and G. Edward Miller. MEPS Chartbook No.12. AHRQ Publication No. 04-0001, (Rockville, MD: Agency for Healthcare Research and Quality) October 2003.

Moeller, J., Cohen, S., Mathiowetz, N., and Wun, L.M., "Regression-Based Sampling for Persons with High Health Expenditures: Evaluating Accuracy and Yield with the 1997 MEPS," *Medical Care* 41(7), July 2003 Supplement, 44-52.

Manski, R., *Moeller, J.*, Hupp, J., "An Analysis of Surgical Dental Visits by Provider Type, 1996," *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics* 94(6), December 2002, 687-691.

Manski, R., Macek, M., *Moeller, J.*, "Private Dental Coverage: Who Has It and How Does It Influence Dental Visits and Expenditures?" *Journal of the American Dental Association*, 133, November 2002, 1551-1559.

Macek, M., Manski, R., Vargas, C., and *Moeller, J.*, "Comparing Oral Health Care Utilization Estimates

in the U.S. Across Three Nationally Representative Surveys,” *Health Services Research*, 37(2), April 2002, 1-23.

Edelstein, B., Manski, R., and Moeller, J., “Child Dental Expenditures: 1996,” *Pediatric Dentistry* 24(1), 2002, 11-17.

Manski, R. and Moeller, J., “Dental Services: An Analysis of Visits, Procedures and Providers, 1996,” *Journal of the American Dental Association* 133, February 2002, 167-175.

Moeller, J., Cohen, S., Hock, E., et al. “Methodology of Projecting 1987 NMES Household Survey Data,” AHRQ Methodology Report No. 13, AHRQ Publication No. 02-0009 (Rockville, MD: Agency for Healthcare Research and Quality) February 2002.

Selden, T., Levit, K., Cohen, J., Zuvekas, S., Moeller, J., McKusick, D., and Arnett, R., “Reconciling Medical Expenditure Estimates from the Medical Expenditure Panel Study and the National Health Accounts,” *Health Care Financing Review*, 23 (1), Fall 2001, 161-178.

Miller, G.E. and Moeller, J., “Outpatient Prescription Drug Prices and Insurance Coverage: An Analysis by Therapeutic Drug Class and User Characteristics from the 1996 Medical Expenditure Panel Survey,” *Research in Human Capital and Development*, Volume 14, *Investing in Health: the Social and Economic Benefits of Health Care Innovation*, edited by I. Farquhar, K. Summers, and A. Sorkin, (JAI/Elsevier Science Ltd., Oxford, U.K., 2001), pp. 23-57.

Manski, R., Edelstein, B.L., and Moeller, J., “The Impact of Insurance Coverage on Children’s Dental Visits and Expenditures, 1996,” *Journal of the American Dental Association*, 132, August 2001, 1137-1145.

Moeller, J., Stagnitti, M., Horan, E., et al., “Outpatient Prescription Drugs: Data Collection and Editing in the 1996 Medical Expenditure Panel Survey (HC-010A),” MEPS Methodology Report No. 12. AHRQ Pub. No. 01-0002 (Rockville MD: Agency for Healthcare Research and Quality) June 2001.

Manski, R. and Moeller, J., “Dental Services: An Analysis of Utilization over 20 Years,” *Journal of the American Dental Association*, 130, May 2001, 655-664.

Selden, T. and Moeller, J., “Estimates of the Tax Subsidy for Employment-Related Health Insurance,” *National Tax Journal*, 53(4) Part I, December 2000, 877-887.

Huttin, C., Moeller, J., and Stafford, R., “Patterns and Costs for Hypertension Treatment in the United States: Clinical, Lifestyle, and Socioeconomic Predictors from the 1987 National Medical Expenditure Survey,” *Clinical Drug Investigation*, 20(3), September 2000, 181-195.

Manski, R., Davidson, W., and Moeller, J., "Orthodontic Dental Visits During 1987 and 1996," *American Journal of Orthodontics and Dentofacial Orthopedics*, 118(1), July 2000, 10-13.

Edelstein, B., Manski, R., and Moeller, J., "Pediatric Dental Visits During 1996: An Analysis of the Federal Medical Expenditure Panel Survey" *Pediatric Dentistry*, 22(1), January/February 2000, 17-20.

Manski, R., Moeller, J., and Maas, W., "Dental Services: Use, Expenditures and Sources of Payment, 1987" *Journal of the American Dental Association*, 130, April, 1999, 500-508.

Manski, R., Moeller, J., Maas, W., "A Comparison of Dental Care Expenditures and Office-Based Medical Care Expenditures, 1987" *Journal of the American Dental Association*, 130, May 1999, 659-666.

Zabinski, D., Selden, T., Moeller, J., and Banthin, J., "Medical Savings Accounts: Microsimulation Results from a Model with Adverse Selection" *Journal of Health Economics*, 18 (1999) 195-218.

Moeller, J., "Gainers and Losers Under a Tax-Based Health Care Reform." *Inquiry*, 32, Fall 1995, pp. 285-299.

Moeller, J. and Mathiowetz, N., "Problems of Screening for Poverty Status," *Journal of Official Statistics*, 10(3), 1994, pp. 327-337.

Moeller, J., "Evaluation of Economic Loss in Wrongful Discharge, Parts I and II," *The Job Description*, The Defense Research Institute, vol. 3 (1) June 1991 and vol. 4 (1), April 1991.

Anderson, J., Jorgenson, D., Moeller, J., and Sleznick, D., *The National Institute of Aging Macroeconomic-Demographic Model of Health Care and Consumer Expenditures*, NIH Publication No. 90-2986. National Institutes of Health: Washington, D.C., January 1990.

Moeller, J. and Mathiowetz, N., *Prescribed Medicines: A Summary of Use and Expenditures by Medicare Beneficiaries*, with Nancy A. Mathiowetz, National Medical Expenditure Survey Research Findings 3, Rockville, MD, September 1989.

Moeller, J., Mathiowetz, N., and Cohen, S., *Prescription Drugs: Use and Expenditures by Medicare Beneficiaries*, Report to Congress, (National Center for Health Services Research: Rockville, MD), May, 1989.

Anderson, J. and Moeller, J., *A Macroeconomic-Demographic Model of Health Care and Consumer Expenditures*, report to the National Institute of Aging, (ICF Incorporated: Washington, D.C.) June 1987.

Moeller, J., Updating and Revising the HRSA MICROSIM Model: A Feasibility Study. report to Health Resources and Services Administration, DHHS, (ICF Incorporated: Washington, D.C.) April 1986.

Kennell, D., *Moeller, J.*, and Sheils, J., *The Potential Impact of Changes in Pension Regulation on Women's Retirement Income.* Report to the Office of the Assistant Secretary of Planning and Evaluation, DHHS, (ICF Incorporated and Center for Naval Analyses: Washington, D.C.) December 1985.

Newquist-Carrol, L., Evers, A., and *Moeller, J.*, *WIN Demonstration Data Validation*, Draft Reports for selected States, submitted to the Social Security Administration, Office of Family Assistance, Contract No. 600-83-0197, (SRA Technologies: Arlington, VA) May 1984 - March 1985.

Hersey, J., *Moeller, J.*, Dent, M., *Impact of the Omnibus Budget and Reconciliation Act of 1982 on Expedited Service in Food Stamp Program and of Benefit Proration on Participant Behavior and Program Costs*, Final Report to Food and Nutrition Service, USDA, Contract No. FNS-53-3108-3-133, (SRA Technologies: Arlington, VA) February 1985.

Hayes, R. and *Moeller, J.*, *Administrative and Policy Studies of Unemployment Insurance Qualifying Requirements.* Final Report to Employment and Training Administration, Research and Evaluation, USDOL, (The Policy Research Group: Washington D.C.) January 1985.

Woolley, S. and *Moeller, J.*, *Prioritization of Roadmap Research*, Final Report to Department of Navy, Office of Naval Research, Contract No. N00014-83-C-0668, (SRA Technologies: Arlington, VA) September 1984.

Moeller, J., Hayes, R., and Witt, I., *Socioeconomic Impacts of Recent Government-Subsidized Employment and Training Programs on Youth.* Final Report to Center for Human Resources Research, Ohio State University Research Foundation, Contract No. 405326, (The Policy Research Group: Washington, D.C.) June 1983.

Moeller, J., Hollenbeck, K., Hayes, R., and Witt, I. *An Evaluation of Forecasting Accuracy in the Microsim Model.* Report to Health Resources Administration USDHHS, Contract No. HRA 232-DHPA-0010(1), (The Policy Research Group: Washington, D.C.) March 1982.

Moeller, J., *Final Report on Extensions of the BUYIT Microsimulation Model.* Report to the Department of Energy, (Social and Scientific Systems, Inc.: Washington, D.C.) September 1981.

Moeller, J., "Consumer Expenditure Responses to Income Redistribution Programs." *Review of Economics and Statistics* 63(3), August 1981, pp. 409-21.

Saltzman, S., Adams, F.G., and Moeller, J., *An Evaluation of Two Alternative Approaches to Developing A Comprehensive Macro/Micro Simulation Model*, Report to USDHHS, (Mathematica Policy Research: Washington, D.C.) April 1981.

Moeller, J. and Boulding, W. *Development of an Indirect Impacts Model for Energy Policy Analysis, Volume I: Analysis of Household Expenditure Behavior Volume II: Model Structure, Validation, and Policy Application*. Report to the Department of Energy, (Mathematica Policy Research: Washington, D.C.) February 1981.

Moeller, J. *A Generalization of Marital Behavior in the Seattle and Denver Income Maintenance Experiments to a National Population*. Report to USDHHS, (Mathematica Policy Research: Washington, D.C.) January 1981.

Moeller, J. and Boulding, W., *Household Expenditure Behavior of Taxpayer and Welfare Units Out of Permanent and Transitory Income by Source*, MPR Discussion Paper 7286-004, (Mathematica Policy Research: Washington, D.C.) November 1979.

Hollister, R., Moeller, J., et al. *Extended Analysis of the Influence of Income and Welfare Status Upon Labor Supply in the New Jersey Experiment*. Report to USDHHS. (Mathematica, Inc.: Princeton, NJ) April 1975.

Moeller, J., Balakrishnan, G., and Mandell, L. *What the Harness Racing Industry Means to the State of Maine*. Report 13A to the Maine Harness Horsemen's Association. (Social Science Research Institute, University of Maine at Orono: Orono, Maine) April 1975.

Moeller, J., "Development of a Microsimulation Model for Evaluating Economic Implications of Income Transfer and Tax Policies. *Annals of Economic and Social Measurement* 2, No. 2, April 1973.

Moeller, J. *TRIM: Technical Description*. Working Paper No. 718-1. (The Urban Institute: Washington, D.C.) February 1973.

McClung, N., Moeller, J., Siguel, E., *Transfer Income Program Evaluation*, Working Paper No. 950-3. (The Urban Institute: Washington, D.C.) March 1971.

Presentations

Miller, G.E., Banthin, J., and Moeller, J. "Covering the Uninsured: Estimates of the Impact on Total Health Expenditures for 2002," Presented at the Institute of Medicine (IOM) Subcommittee meeting on the

Societal Cost of Uninsured Populations, January 2003.

Moeller, J., Selden, T., Banthin, J., and Hudson, J. "Tracking Changes in Eligibility, Enrollment, and Insurance Coverage among Children, 1996-2000" Presentation at the American Economic Association/Allied Social Science Associations meetings, Washington, D.C., January 2003.

Miller, G.E. and *Moeller, J.*, "Prescription Drug Pricing," Presentation at the Agency for Healthcare Research and Quality, June 2000.

Moeller, J., Banthin, J., Bearegard, K., et al., MEDical Expenditure MicroSIMulation Model (MEDSIM): A Brief Overview of the Model and Database, with Jessica Banthin, Karen Bearegard, Steven Cohen, Thomas Selden, and Daniel Zabinski. Center for Cost and Financing Studies (Rockville, MD: Agency for Health Care Policy and Research) December 1996.

Moeller, J., and Levy, H. Dental Services: A Comparison of Use, Expenditures, and Sources of Payment, 1977 and 1987, with Helen Levy. AHCPH Publication Number 96-0005. National Medical Expenditure Survey Research Findings 26. Rockville, MD: January 1996.

Moeller, J. and Levy, H., Prescribed Medicines in Ambulatory Care Settings: A Comparison of Use, Expenditures, and Sources of Payment: 1977 and 1987. AHCPH Publication Number 95-0062. National Medical Expenditure Survey Research Findings 24. Rockville, MD: May 1995.

Moeller, J., "Prescription Drug Coverage and the Demand for Outpatient Prescription Drugs by the Elderly." Presented at the Annual Meetings of the American Statistical Association, Toronto, Canada: August 1994.

Moeller, J., Banthin, J., Bearegard, K., Selden, T., and Zabinski, D., "An Introduction to the MEDSIM Model and Data Base." Presentation at the Agency for Healthcare Research and Quality, April 1996

Moeller, J. and Witter, J., "Gainers and Losers under a Tax-Based Health Care Reform Plan," Presented at the, American Statistical Association Meetings in San Francisco, CA: August 1993.

Moeller, J. "Uses of the National Medical Expenditure Survey Data for Microsimulation Modeling." Presented at the Microsimulation Conference sponsored by the Society of Government Economists, Washington, D.C.: November 1992.

Moeller, J. and Mathiowetz, N. "Catastrophic Prescription Expenditures for the Medicare Population" Presented at the Annual Meetings of the Gerontological Society of America: November 1991.

Moeller, J. and Mathiowetz, N. "Problems of Screening for Poverty Status," Presented at the Annual Meetings of the American Statistical Association, Anaheim, California: August 1990.

Moeller, J., "Impact of Health Insurance on Annual Expenditures for Prescribed Medicines." Presented at the Annual Meeting of the American Public Health Association in Chicago, Illinois: October 1989.

Moeller, J. and Mann, C., "Issues in Estimating Economic Losses from Wrongful Actions: Wrongful Discharge Cases," Presented to Individual Rights and Responsibilities in the Workplace Seminar on Abusive Discharge at the invitation of The District of Columbia Bar Association; Washington, D.C.: March, 1986.

Moeller, J. and Mann, C., "Assessment of Economic Loss in the Matter of Plaintiff v. Defendant (A Case Study)," Presented at the Ninth Annual Conference on Equal Employment Opportunity Cosponsored by The Federal Bar Association and The Bureau of National Affairs: Washington D.C.: September, 1986.

Moeller, J. "Evaluating the Forecasting Accuracy and Properties of the MICROSIM Microanalytic Model, and Model Developments Including an Interstate, Interregional Migration Module, A Consumer Expenditure and Saving Module, and a Long Term Health Care Demand Model." Presented to the Swedish Expert group on Regional Studies (ERU), Stockholm, Sweden: May 1985.

Moeller, J. and Hayes, R., "Evaluating the Forecasting Accuracy and Properties of the MICROSIM Microanalytic Model," Presented at the International Symposium on Forecasting, Philadelphia, PA: June 1983.

Moeller, J. "Income and Price Elasticities of Household Expenditure for Distributional Analysis of Energy Policy Impacts." Presented at the Western Economic Association Conference, San Francisco, California: July 1981.

Moeller, J. "Unemployment Rate Adjustments on a Microdata File -- A Comparative Static Microsimulation Procedure." Presented at the Fourth Annual Pittsburgh Conference on Modeling and Simulation sponsored by the Instrument Society of America, April 1973.

Professional Affiliations

1967 to present	American Economics Association
1993-1995	American Statistical Association
2000 to present	National Association of Forensic Economics.

Reviewer for *Health Affairs*, *Review of Economics and Statistics* and the *Journal for Health Politics, Policy and Law*.