

CAROLYN (CINDY) WATTS

EDUCATION

University of Washington, Seattle, Washington
BA Economics, 1971

The Johns Hopkins University, Baltimore, Maryland
MA Political Economy, 1974

The Johns Hopkins University, Baltimore, Maryland
Ph.D. Political Economy, 1976

PROFESSIONAL POSITIONS

- 1969 Management Trainee, Credit Lyonnais, Rouen, France
- 1970 Management Trainee, Peoples National Bank, Seattle, Washington
- 1971 Management Trainee, S.A. Nicoll, Cholet, France
- 1969-1971 Grader/Research Assistant, University of Washington, Department of Economics, Seattle, Washington
- 1971-1972 Research Assistant/Consultant, Institute for Interdisciplinary Studies (Interstudy), Minneapolis, Minnesota
- 1973 Consultant, Policy Center, Inc., Washington, D.C.
- 1973 Health Services Industry Specialist, Cost of Living Council, Washington, D.C.
- 1974 Teaching Assistant, The Johns Hopkins University Department of Political Economy, Baltimore, Maryland
- 1973-1974 Research Associate, Policy Center, Inc., Denver, Colorado/Washington, D.C.
- 1975-1976 Acting Assistant Professor, Department of Economics, University of Washington, Seattle, Washington
- 1976-1980 Assistant Professor, University of Washington, Department of Economics
- 1978-1981 Assistant Professor, University of Washington, School of Public Health and Community Medicine, Department of Health Services, Graduate Program in Health Services Administration and Planning
- 1981- Adjunct Professor, University of Washington,

Present	Department of Economics
1983-1984	Visiting Associate Professor, Schools of Business and Public Health, University of California, Berkeley, California
1981-1984	Associate Professor, University of Washington, School of Public Health and Community Medicine, Department of Health Services, Graduate Program in Health Services Administration and Planning
1984-1994	Associate Professor, Faculty Director, Health Policy Analysis Program, Department of Health Services, University of Washington
1986- Present	Adjunct Professor, Evans School of Public Affairs University of Washington
1994- 1999	Professor, Faculty Director, Health Policy Analysis Program, Department of Health Services, University of Washington
1999- 2000	Professor, Acting Program Director Masters in Health Administration Programs University of Washington
2000-	Professor, Associate Director Masters in Health Administration Programs University of Washington
2002-2004	Director Northwest Public Health Leadership Institute University of Washington
1986-present	Professor, Department of Health Services Adjunct Professor, Evans School of Public Affairs Adjunct Professor, Department of Economics University of Washington
2005-present	Director, Resource Center for Health Policy School of Public Health and Community Medicine Department of Health Services University of Washington

HONORS

Freshman Women's Academic Honorary, 1967-1968
 President's Letter of High Scholarship, 1968-1969
 Alpha Omicron Delta, 1969-1970
 Magna Cum Laude, 1971

Phi Beta Kappa, 1971

Graduate Fellowship, The Johns Hopkins University, 1972-1973, 1973-1974, 1974-1975

MEMBERSHIPS AND APPOINTMENTS

State Committees and Appointments

Technical Advisory Committee on Managed Health Care, Washington State Legislature, 1984-85

Working group on Six-Year Health Care Purchasing Plan, 1984-85

Washington State Hospital Commission Committee on UB-82, 1985

Technical Advisory Committee on Reimbursement Alternatives, Washington State Hospital Commission, 1982

Data Policy Committee, Washington State Hospital Commission, 1985-86

Chair, Technical Advisory Committee on Basic Research, Washington Health Project Commission, 1986

Task Force on State Health Policy, Senate Human Services and Corrections Committee, 1986

Supreme Court of the State of Washington, Novack Commission on Attorney Fees and Practice, 1987-1988

Washington State Medical Association, AIDS Task Force, 1987-89

Technical Advisory Committee, Rural Health Policy Commission, Washington State Legislature, 1988

Committee on Tax Reform, Seattle Economists Club, 1988

Advisory Committee, K-12 Study, Health Care Authority, 1990

Department of Health Tertiary Services Advisory Group, 1989-90

State Employee Benefits Board, 1989-1995

Task Force on Medical Savings Accounts, Washington Health Services Commission, 1994

Board of Governors, Virginia Mason Medical Center, 2001-present

Member, Health Advisory Task Force, King County Executive's Office. 2004

Chair, Governor's Task Force on Certificate of Need, 2006.

National Committees and Appointments

Technical Advisory Committee on Hospital Classification, Health Care Financing Administration, 1978

Advisory Committee, State of Georgia Prudent Buyer Prospective Reimbursement System, 1974-1979

Advisory Committee on Case Mix Measurement Conference, American Hospital Association, October 1979

HCFA Grants Review Panel on Prospective Payment and Case Mix, 1984, 1985

Advisory Board to US Department of Labor study of working poor conducted by the Rand Corporation, 1988-1990

Governance Committee, Western Network Executive Health Administration Program, University of Colorado at Denver, 1988-1992

Chair, AUPHA Annual Meeting Management Research Committee, 1993

Proposal Reviewer, Robert Wood Johnson Investigator Awards Program, 1995

Editorial Board, Medical Care Research and Review, 1991-Present

Vice Chair, Program Committee, Sun Valley Forum, 1992-1994.

Member, Advisory Committee, Masters in Health Policy Program, Boise State University, 1996-2000

Conference Chair, Risk Segmentation in the Health Care Market, Sponsored by the Robert Wood Johnson Foundation, New Orleans, February 1997

Member, National Advisory Committee, Mental Health Parity in the FEHBP, 2001

Member, National Advisory Committee, Risk Adjustment Impact Study, 2000-2001

Other

Veterans Administration, Seattle, 1984-1986

Health Services Research and Development Steering Committee

Puget Sound Health Systems Agency Ethics Committee Editorial Board, 1985-1986

Harborview Community Mental Health Center Committee on Legislative Affairs, 1985-1986

Small Grants Review Committee, Alcoholism and Drug Abuse Institute, University of Washington, 1986-1989

Prospective Payment System Planning Committee, University Hospitals, 1987-88

Hospitals Decision and Research Support System Committee, University of Washington Hospitals, 1987

Hogness Symposium Committee, 1989-91

Washington Health Advisory Committee 1989 - present

Dean's Representative to Governance Committee of the Human Services Policy Center, 1991-Present

Core faculty, Institute for Public Health Genetics, University of Washington, 1999-present

BIBLIOGRAPHY

PAPERS IN REFEREED JOURNALS

Hartman, R., and C.A. Watts. "The Determination of Average Length of Stay: An Economic Approach." Quarterly Review of Economics and Business, Autumn 1978.

Jackson, M., P. Diehr, J. LoGerfo, C.A. Watts, and W.C. Richardson. "Elective Hysterectomy: A Cost Benefit Analysis." Inquiry, 15:3, September 1978.

Watts, C.A., M. Jackson, and J. LoGerfo. "Cost Effectiveness Analysis: Some Problems of Implementation." Medical Care, 17:4, April 1979.

Watts, C.A., W.L. Dowling, and W.C. Richardson, "Strategies for the Reimbursement of Short-Term Hospitals." Annual Review of Public Health, 1:95-119, 1980.

Klasterin, T.D. and C.A. Watts. "On the Measurement of Case Mix for Hospitals Cost Containment." Medical Care, 18(6) :675-685, June 1980.

Conrad, D., and C.A. Watts. "A Note on Measuring the Extent of Competition in the Physician Services' Market: An Alternative Hypothesis." Research in Law and Economics, Vol. 3, 1981.

Watts, C.A., and T.D. Klasterin. "The Impact of Case Mix on Hospital Costs: A Comparative Analysis." Inquiry, 17:357-367, Winter 1980.

Klasterin, T.D. and C.A. Watts. "The Determination of Alternative Hospital Classifications." Health

Services Research, 16(2):205-220.

Dolan, A., and C.A. Watts. "Adding Public Members to Governing Boards: A Critique." Journal of Contemporary Business, 9(4):87-95, 1980.

Klastorin, T.D., and C.A. Watts. "Costs in the Health Care Industry: An Overview." Journal of Contemporary Business, 9(4):1-8, 1980.

Klastorin, T.D., and C.A. Watts. "A Current Reappraisal of Berry's Hospital Typology." Medical Care, 20(5):441-449, May 1982.

Watts, C.A. "FTC Sings the Blues: A Comment." Journal of Health Politics, Policy and Law, 5(3):568-572, Fall 1980.

Watts, C.A., and T.D. Klastorin. "The Costs of Regulation: A Further Note." Health Services Research, 16(4):467-476, Winter 1981.

Watts, C.A. "Compensation of Hospital Based Physicians: A Comment." Health Services Research, 18(1):45-47, Spring 1983.

Watts, C.A., R.M. Scheffler, and N. Jewell. "Demand for Outpatient Mental Health Services in a Heavily Insured Population." Health Services Research, 21(2), Part II, June 1986.

Scheffler, R.M. and C.A. Watts. "Demand for Inpatient Mental Health Services in a Heavily Insured Population." Journal of Human Resources 21(3), 1986.

Crittenden, R.A., and C.W. Madden. "Health Insurance for the Uninsured: Plan Design Alternatives." Advances in Health Economics and Health Services Research. Winter 1988.

Conrad, D.A., S.S. Mick, C.W. Madden, G. Hoare, "Vertical Structures and Control in Health Care Markets: A Conceptual Framework and Empirical Review", Medical Care Review, 45:1 Spring 1988.

Madden, C.W. "Health Care Financing Issues for the Elderly," Health Matrix, 6(3): 26-29, Fall 1989.

Diehr, P., C. Madden, A. Cheadle, D. Patrick, P. Fishman, P. Char, and S. Skillman. "Estimating the Percent of People in a County Who Have No Health Insurance." 1991 (Winter) Inquiry 28:413-419.

Madden, C., G. Hoare, M. Mayers, and W. Hagens. 1992 (Spring). Washington's Basic Health Plan: Choices and Challenges. Journal of Public Health Policy 13(1):81-96.

Hoare, G., C.Madden, and M.Mayers. 1992 (Summer). Update: Lessons for the Implementation of

Washington's Basic Health Plan. Health Affairs 11(2):212-218.

Patrick, D.L., C. Madden, P. Diehr, D.P. Martin, A. Cheadle, and S. Skillman. 1992 (October) Health Status and Use of Services Among Families With and Without Health Insurance. Medical Care 30(10):941-949.

Diehr, Paula, C.W. Madden, Diane Martin, Donald Patrick, 1993 "Who Enrolled in a State Program for the Uninsured?" Medical Care 31(12):1093-1105.

Madden, C.W. "Medicine, Public Policy, and Ecological Health," Illahee, Journal for Northwest Environment vol. 10, No. 2, Summer 1994 pp. 114-118.

Madden, C.W. et al, 1995 "Voluntary Public Health Insurance for Low Income Families. The Decision to Enroll. Journal of Health Politics, Policy and Law. 20(4):955-972.

Lichiello, P. and C.W. Madden, 1996. "Context and Catalysts for Change in Health Care Markets." Health Affairs. 15(2): 121-129.

Diehr, Paula, C. Madden, A. Cheadle, D. Martin, D. Patrick, S. Skillman, 1996. "Will Uninsured People Volunteer for Voluntary Health Insurance?" American Journal of Public Health. 86(4):529-532

Patrick, Donald, Diane Martin, Allen Cheadle, C.W. Madden, and Paula Diehr "Dissatisfaction and Disenrollment in a Subsidized Managed Care Program." 1997 Medical Care Research and Review. 54(1):61-79

Martin, D.P., P. Diehr, A. Cheadle, C.W. Madden, D.L. Patrick, and S.M. Skillman. Health Care Utilization for the "Newly Insured": Results from the Washington Basic Health Plan," 1997. Inquiry. 34(2):129-142.

Kilbreath, E.H., A.F. Coburn, C. McGuire, D.P. Martin, P. Diehr, C.W. Madden, S.M Skillman. 1998. "State-Sponsored Programs for the Uninsured: Is There Adverse Selection?" Inquiry. 35(3):250-265.

Wilson, V. M., C. A. Smith, J. M. Hamilton, C. W. Madden, S. M. Skillman, B. MacKay, J. S. Mathisen, D. A. Frazzini. 1998. "Case Study: The Washington State Health Care Authority - Risk Adjustment for Capitation." Inquiry. 35(2): 178-192.

Madden, Carolyn. 1999. "Excess Capacity: Markets, Regulation and Values." Health Services Research, 33(6).

Blough, D. K., C. Madden, & M. Hornbrook. 1999. "Modeling Risk Using Generalized Linear Models." Journal of Health Economics. 18(2):153-172.

Madden, Carolyn W., Bret P. Mackay, Susan M. Skillman, Marcia Ciol, and Paula Diehr. 2000. "Risk

Adjusting Capitation: Applications in Two Populations. Health Care Management Science. 3(2000):101-109.

Trude, Sally, J.B. Christianson, C.S. Lesser, C.A. Watts, A.M. Benoit. 2002. "Employer-Sponsored Health Insurance: Pressing Problems, Incremental Changes." Health Affairs. 21(1):66-75.

Austin, Melissa; D. Arnett; T. Beaty; S. Durfy; R. Fineman; E. Gettig; D. Lochner-Doyle; P. Peyser; J. Sorenson; J. Thompson; C. Watts. 2002. "Opportunities for Public Health Genetics Trainees: An Employer/Workplace Survey." Community Genetics.

Watts, Carolyn, J. Christianson, L. Heineccius, S. Trude. 2003. "The Role of Public Employers in a Changing Health Care Market." Health Affairs. 22(1):173-180.

Kanakis, Soraya, C. Watts, S. Leichter. 2003. "The Business of Insulin Pumps in Diabetes Care: Clinical and Economic Considerations." Diabetes.

Watts, Carolyn, William Lafferty, Andrea Corage Baden. 2004. "Coverage for Complementary and Alternative Medicine: The Washington State Approach." Journal of Complementary and Alternative Medicine. 10(6):1001-1008.

Hagopian, Amy, Anthony Ofosu, Adesegun Fatusi, Richard Biritwum, Ama Essel, L. Gary Hart, and Carolyn Watts. 2005. "The Flight of Physicians from West Africa: Views of African Physicians and Implications for Policy." Social Science and Medicine. 61:1750-1760.

Chollet, Deborah and Carolyn Watts. 2005. "Pooling and Reinsurance in Washington State Health Insurance Markets." Journal of Insurance Regulation. 24(2):81-92.

Lafferty, William, Bonnie Lind, David Grembowski, Allen Bellas, Carolyn Watts, Tim Tyree, Karen Sherman, and Daniel Cherkin, 2006. "Insurance Coverage and Subsequent Utilization of Complementary and Alternative Medicine Providers." American Journal of Managed Care. 7(12):397-404.

Wang, Grace and Carolyn Watts. 2007. "The Role of Genetics in the Provision of Essential Public Health Services." American Journal of Public Health. 97(4):620-625.

PAPERS IN NON-REFEREED JOURNALS

Jewell, N., A. Cheadle, R.M. Scheffler, and C.A. Watts. "Mental Health Use in an Insured Population: A Mixed Cohort Design." Proceedings of the American Statistical Association, August 1984.

Madden, C.W., "Universal Health Insurance: An End or a Means?" Frontiers of Health Management, Vol. 6, No. 4, Summer 1990.

Madden, C.W. "Washington's Basic Health Plan: Experimentation in a Turbulent Environment," Washington Public Health. 9(1): 42-43. Winter 1991.

Katz, Aaron, C.W. Madden, and Margo Westfall, "The 1993 Washington State Legislature: Dawn of a New Era," Washington Public Health. Vol 11, Fall 1993.

Madden, C.W. "Public Managed Care in Easterville: A Case of Opportunity," in Ambulatory Health Care Case Studies for the Health Services Executive, (A.Ross & M.Richardson, eds.) Health Information Press, 1995.

Watts, Carolyn. "The Economics Determinants of Health and Illness." Washington Public Health. Fall 2000.

ABSTRACTS

Diehr, P., C. Madden, D. Martin, and D. Patrick. Enrollment in a State Program for the Uninsured: Is there adverse selection? (presented at the American Public Health Association 119th Annual Meeting, November, 1991).

Martin, D., C. Madden, P. Diehr and D. Patrick. Evaluation of Washington State's Health Plan for the Uninsured (presented at the Annual Meeting of the Association of Health Services Research, June 1991).

Patrick, D., C. Madden, P. Diehr, D. Martin, A. Cheadle, and S. Skillman. Health Status and Use of Services Among Families With and Without Health Insurance (presented at the Annual Meeting of the American Sociological Association, August, 1991).

TECHNICAL REPORTS

O'Donoghue, D.P., and C.A. Watts. Estimated Costs for a Program Operated by a Health Care Quality Commission. Institute for Interdisciplinary Studies, June 1972.

Watts, C.A. Blood, Sweat and Tears, or the Continuing Saga of Consumerism. Institute for Interdisciplinary Studies, November 1972.

Watts, C.A. Coverage of Blood Banks Under Phase IV. Cost of Living Council, August 1973.

Watts, C.A. "National Health Insurance: The Crisis Revisited." Unpublished seminar paper, The Johns Hopkins University, May 1973.

Watts, C.A. "Physician Cooperation: Implications for Investment by Nonprofit Hospitals." Unpublished research paper, The Johns Hopkins University, April 1974.

O'Donoghue, D.P., C.A. Watts, et al. Synthesis of Current Evidence of the Effects of Health Care Regulation. Policy Center, Inc., National Science Foundation, Fall 1975.

Watts, C.A., G. Updegraff, H. Grayson, and A. Bryant. Health Care Cost and Price Regulations: Background Discussion and Annotated Bibliography. National Science Foundations, Fall 1975.

Watts, C.A., and G. Updegraff. Regulation of the Quantity of Institutional Facilities and Capital Equipment: Background Discussion and Annotated Bibliography. National Science Foundation, Fall 1975.

Watts, C.A., G. Updegraff, and P. Shaughnessy. Regulation of Other Industries in the United States: Selected Annotated Bibliography. National Science Foundation, Fall 1975.

Watts, C.A. "A Managerial Discretion Model for Hospitals." Doctoral Dissertation, the Johns Hopkins University, 1976.

Hartman, R. and C.A. Watts. The Determination of Average Length of Stay: An Economic Approach. Discussion of Paper #8, Center for Health Services Research, May 1978.

Klasterin, T.D., C.A. Watts, and V. Trivedi. A Study of Hospitals for Prospective Reimbursement. Research and Demonstration Series, Report No. 10, Health Care Financing Administration, Washington, D.C., 1978.

Klasterin, T.D., and C.A. Watts. "A Preliminary Analysis of Section 223 Regulations," Submitted to Health Care Financing Administration, July 1979.

Klasterin, T.D. and C.A. Watts. "The Impact of Case Mix Measures on Hospital Classification." Proceedings of the 2nd International Conference on System Science in Health Care, Montreal, July 14-17, 1980.

Watts, C.A. Antitrust in the Health Professions: Precedents and Projections. HMO Technical Assistance Paper, University of Washington, March, 1983.

Watts, C.A. "Preliminary Report: Washington State Medical Association Study of Uncompensated Care," September 1985.

Watts, C.A. "Report on Certificate of Need." Office of the Governor, State of Washington, December 1985.

Watts, C.A. "The Effects of Changes in the Medical Liability Market on Washington Obstetricians." Washington State Medical Association, January 1986.

Watts, C.A., "A Report to the Legislature on Public Health in the State of Washington." Joint Select Committee on Public Health, January 1986.

Watts, C.A. "The Uninsured in Washington." Report of Technical Advisory Committee A to the Washington Health Project Commission of the Washington State Legislature, July 1986.

Watts, C.A. "Medicare Payment in State Veterans Homes: A Study of Feasibility." Submitted to the Washington State Department of Veterans Affairs, July 1986.

Madden, C.W. "The Prenatal Care Program in Washington State: A Four County Evaluation," Health Policy Analysis Program, April 1987.

Madden, C.W., "State Employee Insurance: Options", Health Policy Analysis Program, November 1987.

Madden, C.W. "The Environment Facing Rural Hospitals," Health Policy Analysis Program, May 1988.

An Evaluation of the Sound Care Plan: Issues of Access, Quality, and Cost, with Aaron Katz and Michelle Bell, Health Policy Analysis Program, July 1989.

Madden, C.W., and Marcia Schwendiman, Health Policy Choices: A Background and Discussion, Final Report to Governor's Office, State of Washington, October 1988.

Economic Analysis of Proposed Water Quality Standards for Ground Waters of the State of Washington WAC 2000, with Institute for Public Policy and Management, May 1990.

An Evaluation of the Sound Care Plan, with Aaron Katz and Michelle Bell, Health Policy Analyses Program, July 1991.

Evaluation of the Community Alternatives Program, with Alice Porter, Paul Fishman, Aaron Katz, Health Policy Analysis Program, July 1992.

Evaluation of the Medical Selective Contracting Program, with Marcia Schwendiman, Fred Connell, Paul Fishman, and Aaron Katz, Health Policy Analyses Program, August 1992.

Madden, C.S., A. Katz. 1995. "Community Benefit, and Not for Profit Health Care: Policy Issues and Perspectives. SPHCM, University of Washington

Madden, C.W., S.M. Skillman, P. Diehr, D.P. Martin, D.L. Patrick. Revolution and Reform: Lessons from Washington's experimental programs.

Madden, C.W., P. Diehr, D.P. Martin, A. Cheadle. 1994. Insurance status of Families in Washington State.

Cheadle, A., C.W. Madden, P. Diehr, D.L. Patrick, D.P. Martin and S.M. Skillman. 1994. Who Participates and Why in a Subsidized Insurance Plan?: Experience with Washington State's Basic Health Plan

Madden, C.W., S.M. Skillman, A. Cheadle, P. Diehr, D.P. Martin, D.L. Patrick. 1994. Health Insurance for the Low Income: An Evaluation. Final Report. Agency for Health Care Policy and Research, Grant #5-R01-HS060621. Seattle: University of Washington, Department of Health Services.

Madden, C.W., A. Katz. 1995. "Community Benefits and Not for Profit Health Care: Policy Issues and Perspectives." SPHCM, University of Washington.

Madden, C.W., M.T. Stanley, S.M. Skillman, D.K. Blough, B. MacKay, V. Wilson, S. Kilby, M.C. Hornbrook, M. Goodman, G.D. Bennett, L. Dey. 1995. "Risk Distribution Among Competing Health Plans Research and Demonstrations Project. Phase I Final Report." University of Washington: Seattle, WA.

Jansson, Roger, Carolyn Watts, Aaron Katz, Patricia Kuzler, Anna Mastroianni, Jack Thompson, and Andrew McWilliam. 2000. "Genetic Testing in the Workplace: Implications for Public Policy." Institute for Public Health Genetics, University of Washington.

Madden, Carolyn, Bret MacKay, and Susan Skillman. 2001. "Measuring Health Status for Risk Adjusting Capitation Payments in Two Medicaid Populations." Center for Health Care Strategies, Inc. Princeton, New Jersey.

Watts, Carolyn and James Mathisen. 2002. "Income Adequacy and the Affordability of Health Insurance in Washington State." Report 3.3. Washington State Planning Grant on Access to Health Insurance. Funded by U.S. Department of Health and Human Services, Health Resources Administration. Grant #1 P09 OA 00002-01.

BOOK REVIEWS

Williams, W., and C.A. Watts. "Equity in Health Services, Empirical Analysis in Social Policy: A Review." AUPHA Notes, May 1977.

Watts, C.A. "The Market for Human Blood." Inquiry, 16(2):180-181, Summer 1979.

Freund, D., and C.A. Watts. "Health Care Economics." Medical Care.

Watts, C.A. "A Quest for Certainty." AUPHA Program Notes.

Watts, C.A. "Issues in Health Care Economics." Hospital Forum

Watts, C.A. "Escape Fire." Inquiry.

REVIEWS FOR JOURNALS

Medical Care
Inquiry
Health Services Research

Research in Law and Economics
National Science Foundation, Economics Division
American Hospital Association, Internal Proposal
National Center for Health Services Research
Medical Care Research and Review
Economic Inquiry
Veterans Administration
Alaska Science and Technology Foundation
American Behavioral Science Review

OTHER

Co-editor (with T.D. Klastorin) of special issue of Journal of Contemporary Business on health care costs.

Attended Emory University Law and Economics Center Legal Institute for Economists, Spring 1981.

PRESENTATIONS

"The Philosophy of Economics as Applied to Health Services Delivery." Presentation to the Western Institute of the Hospital Financial Management Association, Portland, Oregon, February 1976.

Roundtable on Health Economics, Clinical Scholars Program, May 1977.

"Hospital Classification: Conceptual Underpinnings." Seminar presented for the Office of Research, Health Care Financing Administration, Washington, D.C., June 1977.

Discussant, "Estimates of Occupational Injury Risk and Compensating Wage Differentials." Western Economic Association Conference, Los Angeles, June 1977.

"The Economics of Aging: Medical Care." Presentation and panel discussion, Washington State Public Health Association Conference, Ocean Shores, Washington, October 1977.

"The New Technology: Economic and Policy Issues." Tax/X Center for Health Planning Workshop, Seattle, Washington, October 1977.

"Hospital Classification for Prospective Reimbursement." Department of Health Services Seminar Series, University of Washington, January 1978.

"The Regulation of Hospital Reimbursement." Western Economics Association Meetings, Honolulu, June 1978.

"Grouping Hospitals for Prospective Reimbursement." California Health Facilities Commission, Sacramento, August 1978.

Panel Discussant, APHA Meeting, Los Angeles, October 1978.

"National Health Insurance." Womens' Health Care Professionals Meeting, May 1979.

"National Health Insurance: Issues and Problems." Regional Conference of Nurses, Fred Hutchinson Cancer Research Center, November 1979.

"If the Answer Isn't Regulation, What is it (Or Might it be)?" University of Washington, MHA Alumni Association Annual Meeting, April 1980.

"Health Economics." Group Health Cooperative of Puget Sound, January 1982.

"The Role of Antitrust in Health Economics." Western Network Health Care Executive Program, Berkeley, August 1983.

"Changes in Co-insurance and Deductibles and Demand for Psychiatric Service" with R. Scheffler et al., APHA meetings, Dallas, November 1983.

"Medicare Hospital Reimbursement: Impact of DRGs." Western Gerontological Society, San Francisco, November 1983.

"Demand for Outpatient Mental Health Services in a Heavily Insured Population." American Economic Association meeting, San Francisco, December 1983.

"Determinants of Inpatient Mental Health Use in a Heavily Insured Population." Conference on Mental Health Economics, NIMH, Berkeley, September 1984.

"The Impact of Financing on Health Services Delivery." Conference on Health Care Policy, Berkeley, August 1984.

"DRG-based Reimbursement: Concepts and Organizational Outcomes." Faculty Roundtable on Health Care Financing, Berkeley, February 1984.

"Demand for Mental Health Care in a Heavily Insured Population." Department of Health Services seminar series, October 1984.

"Managed Health Care in Washington State Health Policy." Seattle Chamber of Commerce, November 1984.

"The Changing Environment in Health Care Policy." Group Health Cooperative of Puget Sound continuing education program, 1985.

"Commercialism in Health Care: Are We Losing our Soul?" University of Washington MHA Alumni Day, May 1985.

"The Rural Hospital Project." Washington State Hospital Association Rural Hospital Annual Meeting, Chelan, Washington, June 1985.

"Current Issues in American Health Policy." Thirty-minute television program broadcast on Cablearn.

"Anti-trust in Health Care: The Case of Arizona vs. Maricopa County Medical Society." U.S. Department of Justice Anti-Trust Division, Washington D.C., August 1985.

"Changing Health Policy Environment: A Positive Response." Washington State Public Health Association Annual Meeting, September 1985.

"Health Policy and Economics." Seattle Association of Women Economists, September 1985.

"Certificate of Need: Background and Issues." Testimony before Human Services and Corrections Committee, Washington State Senate, September 1985.

"The Health Policy Analysis Program History and Issues." Departmental seminar, Fall 1985.

"Changing Payment Systems and Cost Shifting." Panel moderator, Innovations and Alliances '85 Conference sponsored by the Puget Sound Health Systems Agency, November 1985.

"Health Care Markets and Competition." Presentation to the Legislative Conference on Certificate of Need, November 1985. Sponsored by the Washington State Health Coordinating Council.

"Social Management of Risk." Department of Health Policy and Management, University of Massachusetts at Amherst, December 1985.

"Medicare Financing of State Veterans Homes." Testimony before Washington State Legislative Budget Committee, January 1986.

"Health Economics in a Changing Environment." Alumni Association, School of Business of the University of Colorado at Denver, February 1986.

"Economic Overview of the Health Care Industry." College of Medical Education, Medical Society of Pierce County, March 1986.

"Health Care in the '80s: A Forward Look." St. Joseph Health System strategic planning meeting, May 1986.

"The Uninsured in Washington." Testimony before the Washington Health Project Commission of the Washington State Legislature, July 1986.

"Changing Health Policy in a Changing Environment." Testimony before Washington State Senate Committee on Human Services and Corrections, July 1986.

"Allied Health Professions in Public Policy," Seattle Community College Conference for Allied Health, September 1986.

"Rural Health Services in the WAMI Region," American Public Health Association Annual Meeting, Las Vegas, Nevada.

"Washington Health Policy," American Business Women, Seattle Chapter, October, 1986.

"The Uninsured and the McPhaden Commission," Presentation to the University of Washington Hospitals, November 1986.

"The McPhaden Commission and Managed Care for the Indigent," presentation to the American College of Health Executives, Seattle chapter, November 1986.

"Health Insurance for the Uninsured" presentation to the Stanford Research Institute Conference on Private Sector Involvement in Health Care, Palo Alto, California.

"Prospective Payment for Physicians," Society of Anesthesiologists Annual Seafair Meeting, July 1987.

"Health Care Access," Secretary's Seminar in Health Policy, April 1987.

"Health Policy in the 1990's," Washington State Nurses Association 1987.

"Financial Status of Rural Hospitals," WSHA Rural Hospital Workshop, Chelan, July 1987.

"Mandated Benefits in Perspective," Symposium sponsored by State Health Coordinating Council, November 1987, Seattle.

"Rural Health: Issues and Policies," WAMI Legislative Conference, December 1987.

"Prenatal Care in Washington," presentation to board of Children's Hospital and Medical Center, January 1988.

"Financial Issues of the Elderly," Aging and the Elderly Review Course, sponsored by UW School of Medicine, February 1988.

"An Evaluation of Prenatal Care in Washington," Rural Health Strategies Conference, Spokane, March 1988.

"Obstacles to Service Delivery: A Response," The Duncan Seminary, April 1988.

"The Economic Environment Facing Rural Hospitals," Rural Health Policy Commission, Washington State Legislature, May 1988.

"Geriatrics Financing Options,: Economic Considerations in Geriatric Oral Health Care, Symposium,

Case Western Reserve, May 1988.

"Health Policy Choices for the 1990's: What Can We Afford?", testimony before Health Committee, Washington State Senate, June 1988.

"Legislative Strategies for Uncompensated Care," Sisters of Providence, January 1989.

"Policy Issues for the Uninsured: The Washington Basic Health Plan," seminar for Department of Community Dentistry, April 1989.

"The Basic Health Plan: A Tale of Great Expectations," Seminar for the Department of Health Services, Spring 1989.

"The Public Benefit in Public Health," Snohomish Health District, July 1989.

"Washington's Basic Health Plan," American Public Health Association Meetings, October 1989.

Panel Moderator, Employee Benefits Planning Association Annual Meeting, May 1990.

"Measuring the Uninsured," Association for Health Services Research Meeting, June 1990.

Panel Moderator, American College of Health Executives, June 1991.

"Health Policy Issues of the 1990s," Horizon House, Seattle, WA, October 1991.

"Health Policy and Health Care Reform," Seattle Women Economists, Seattle, WA, October 1991.

"Issues of Biased Selection in the Basic Health Plan," School of Public Health, University of Minnesota, Minneapolis, MN, March 1992.

"The Black Hole Theory: Selection in Washington's Basic Health Plan," Department of Health Services, University of Washington, Seattle, WA, April 1992.

"Health Care Reform from the Consumer's Perspective", Medical Managers' Association, Seattle, WA, April 1992.

"Health Care Reform: A Marketing Perspective", Medical Marketing Association, Seattle, WA, May 1992.

"Health Policy Lessons from Abroad," University of Puget Sound Health Lawyers Conference, Seattle, WA, May 1992.

"Health Care Reform: Tempest in a Teapot?", Department of Economics External Steering Committee, Seattle, WA, May 1992.

"Evaluation Update", Basic Health Plan Advisory Council, Seattle, WA, June 1992.

"The Federal Reserve Board: Health Care Analogy?", Washington State Hospital Association Board of Directors, Seattle, WA, June 1992.

"Health Care Reform Issues and Alternatives," Washington State Osteopathic Association, Blaine, WA, June 1992.

"Governor Candidates: Health Care Reform Platforms" (panel moderator), Patient Accounts Managers Association, Bellevue, WA, June 1992.

"Health Care Reform: Tempest in a Teapot?" University of Washington Board of Regents, Seattle, WA, July 1992.

"Fifty Paths to Reform" Conference sponsored by Indiana University School of Medicine, Indianapolis, October 1992.

"The Future of Health Care," Virginia Mason Continuing Education Program for Nurses, Seattle, March 1993.

"Health Care Reform: History and Future" Conference sponsored by Business and Professional Institute, Seattle, May 1993.

"Health Care Reform: What's in Store?" Washington Neurological Association of Neurological Surgeons, Annual Meeting, Chelan, June 1993.

"Revolution, Reform, and Research: The University and the 3R's," School of Public Health & Community Medicine Visiting Committee, November 10, 1993.

"Managed Care in Perspectives: Where Are We and How Did We Get Here?," Washington State Chest Conference Lung Day, January 1994, Leavenworth, WA.

"The Future of Health Care Reform," Methow Valley Speaker Series, Winthrop, WA, October 1994

"Health Care and Ecological Economics," Lakeside School, Seattle, WA, November 1994.

"Report of the Task Force on Medical Savings Accounts," Health Services Commission, Olympia, WA, December 1994.

"Overview of the Performance of the U.S. Health System," with Aaron Katz, Senate Health and Long Term Care Committee, Olympia, WA, January 1995.

"Lessons from the Basic Health Plan Evaluation," Group Health Center for Health Studies, Seattle, WA, March 1995.

"Health Care Economics in a Rural Environment." Fairbanks Memorial Hospital, Fairbanks, AK. April 1999.

VIDEO PRESENTATIONS

Washington Health Choices video project, Puget Sound Health Systems Agency, 1986.

Washington Health Choices Revisited video project. Foundation for Health Care Quality. 2001.

PROFESSIONAL ACTIVITIES

CONSULTING

Member of site visit team and proposal review for study of Veterans Administration Hospital, New Haven, Connecticut, Veterans Administration, January 1977.

Project report review for Arthur Andersen study of Hospital Based Physicians, July 1977.
University Hospital Study of Case-Mix Related Costs, 1977-1978.

Department of Social and Health Services, State of Washington, Consultant in Nursing Home Suit, 1978.

California Health Facilities Commission, 1978-1979.

Health Care Financing Administration, Study of Implementation of 223 Limits, 1979.

Development and presentation of ASTI course on rate regulation with Jay Glasser (University of Texas) and Frank Baker.

Blue Cross of Louisiana, Hospital Classification for Prospective Reimbursement, Summer 1981.

Blue Cross of Louisiana, helped develop hospital classification system for Louisiana hospitals, Summer 1981.

Commission on Professional and Hospital Activities, Economies of Scale project funded by Health Care Financing Administration, 1982-1983.

Hogan and Hartson, New York State Nursing Home suit, September 1982.

DRG Waiver Proposal, Hospital Council of Northern California, Summer, 1984.

Texas Department of Mental Health and Mental Retardation, Alternative prospective financing schemes, Winter 1985.

Bennett and Bigelow, Certificate of Need Appeals, 1985.

Office of the State Attorney General, State of Washington, Price fixing in Physician Controlled Insurance Companies, 1984-85.

Washington State Hospital Association, reimbursement regulation issues, 1986.

Overlake Hospital, certificate of need application, 1986.

American Medical Research Review Committee, workshop presentation for national PRO organizations, Washington, D.C. 1987.

Sisters of Providence, Legislative Strategies Project, 1989.

Snohomish Health District Public Health Funding Project with Arthur Andersen, 1989.

Fairbanks Memorial Hospital, Certificate of Need legislation strategies, 2002.

COMMUNITY SERVICE

Assisted Puget Sound Health Systems Agency on grouping hospitals for planning purposes, Summer 1980.

Assisted Virginia Mason Hospital to clarify case-mix classification system, Summer 1980.

Group Health Cooperative of Puget Sound, planning committee member, 1980-1981.

Member, Citizens Forecast Committee, Seattle City Light, 1982-1983.

The Mason Clinic, Coping with Prospective Payment.

Puget Sound Health Systems Agency, Planning Committee for Conference on Managed Health Care, 1985.

Washington State Public Health Association, conference program planning committee.

Washington State Legislature, 1985-87:

- study of the state's role in public health, Joint Select Committee on Public Health
- certificate of need, House of Representatives staff
- financing alternatives for waste clean-up, Parks and Ecology staff
- financing of services for developmentally disabled children, Department of Developmental Disabilities
- sunset reviews of midwifery, drugless healers, chiropractors
- Chair, Technical Advisory Committee A to the Washington Basic Health Project Commission

- Public Health Policy Task Force, Washington State Senate
- Miscellaneous testimony on health policy issues, Washington State Legislature
- Prenatal Care Program Evaluation, Office of Parent and Child Health, 1986-87

Washington State Department of Justice Novack Commission on Tort Reform, 1987-88.

Advisory Committee to the Washington Rural Health Committee, Washington State Legislature.

Panel Chair, Health Systems Resources Legislative Conference, December 1987.

Facilitator, Washington State House of Representatives Conference on Long Term Care, 1987.

Consultant, Legislative Budget Committee Sunset Review of Hospital Cost Commission.

Member, Technical Advisory Committee to Rural Health Policy Commission, Washington State Legislature, 1988.

Consultant, Department of Labor and Industries, 1989.

Member, Task Force on Medical Savings Accounts, Washington Health Care Commission, 1994.

Consultant, St. Clare Hospital, Lakewood, Wa. 2001.

NON-UW TEACHING

Executive Program in Health Administration, University of Colorado (Denver), Program Evaluation Course, 3 credits,
100% responsibility, 25 students, 1989.

Executive Program in Health Administration, University of Colorado (Denver), Health Policy and Economics Course, 3 credits,
100% responsibility, 15 students, 1991.

Healthcare Management Institute, 2-day Health Economics seminar for Mercy Hospital physicians, San Diego
100% responsibility, 30 students, 1992.

Management Education and Development Series, American College of Medical Practice Executives, 2 day Health Economics module, Marshfield, WI, November 1994.

Executive Program in Health Administration, University of Colorado (Denver), Health Policy and Economics Course, 3 credits, 100% responsibility, 11 students, 1993.

Executive Program in Health Administration, University of Colorado (Denver), Health Policy and Economics Course, 3 credits, 100% responsibility, 10 students, 1995.

Member, Dr.P.H. dissertation committee for David Gurule (University of Michigan Dept. of Health Management and Policy). "The Organizational Determinants of HMO Participation in Medicaid Managed Care." 2002.

FUNDED RESEARCH IN PROGRESS

"The Genetic Services Policy Project." C. Watts, PI. Subcontract to Department of Health (Debra Lochner-Doyle, PI. Health Services Resources Administration). \$1,463,850 (subcontract). July 1, 2004-June 30, 2007.

"UW Center of Excellence in Ethical, Legal and Social Implications (ELSI) Research," Co-investigator. Wylie Burke, PI. National Human Genome Research Institute.

FUNDED RESEARCH: COMPLETED PROJECTS

"Insurance Financing of Integrated Medicine." Co-investigator. Bill Lafferty, PI. NIH. \$1,050,000. July 2001 – June 2004.

"Study of Billing and Reimbursement of Genetic Counselors." C. Watts, PI. National Society of Genetic Counselors. \$79,787. January 1, 2004-December 31, 2004.

"State Planning Grant on Access to Health Insurance." Co-investigator. Aaron Katz and Susan Marquis, PI's. \$852,829. Washington State Office of Financial Management. July 2001 – Feb 2002.

"Community Health Tracking Study." Co-investigator. Aaron Katz, PI. \$ July 2000 – March 2002.

"A Review of Certificate of Need." Aaron Katz, PI. \$50,000. Joint Legislative Audit and Review Committee. Co-investigator.

"Crime Victims Compensation Program Evaluation," C.W. Madden and Aaron Katz, Co-PI's, \$50,000. Washington State Department of Labor and Industries.

"Managed Care Monitoring and Evaluation Project," C.W. Madden & Robert Crittenden, Co-PI's, Interagency agreement with Health Care Authority under Robert Wood Johnson Foundation Grant, \$75,000, 12/15/93 - 6/15/94

"Health Services Utilization of the Previously Uninsured," C.W. Madden, P.I. Subcontract to University of Southern Maine proposal to R.W. Johnson Foundation \$540,392. 11/91-2/94.

"Issues in Hospital Classification and Reimbursement," T.D. Klastorin and C.A. Watts, Co-PIs, Health Care Financing Administration, \$422,223, 1981.

"A Study to Develop and Test Measures of Case Mix Complexity for Hospitals", T.D. Klastorin and C.A. Watts, Co-PI's, (subcontract to CPHA) Health Care Financing Administration, \$50,000, 1980.

"A Randomized Trial of Liaison Psychiatry in Primary Care," 10% (NIMH, economist)

"Health Insurance for the Low Income: An Evaluation," C.W. Madden, P.I. \$1.2 million 2 1/2 years, funded by NCHSR.

"Economic Analysis of Proposed Water Quality Standards," IPPM, \$20,000, 5% economist, funded by Washington Department of Ecology.

"Evaluations of Sound Care Plan", Washington Department of Social and Health Services, \$81,000, 1989 and 1991, C.W. Madden, P.I.

"Evaluation of Community Access Program," Washington Department of Social & Health Services, \$110,000, 1991. C.W. Madden, P.I.

"Evaluation of KPS Waiver Program", C.W. Madden, PI, Washington Department of Social and Health Services, \$56,962, 1993.

"Sun Valley Forum," Robert Wood Johnson Foundation, \$80,000, 2/92-9/92.

"Health Care Cost Commission," \$79,000, State of Washington and Henry J. Kaiser Foundation, 6/90-12/92.

"Evaluation of Selective Contracting Program," Washington Department of Social and Health Services, \$55,663, 2/92-8/92.

"The Cost of Foodborne Disease," C.W. Madden, P.I., \$25,000, USDA.

"Health Insurance for the Low Income: Competing Renewal," C.W. Madden P.I., \$1.2 million (direct), 2 1/2 years, AHCPR, (3/91-9/93).

"Medical Risk Distribution Among Competing Health Plans," C.W. Madden and Margaret Stanley, Co-PI's, \$650,000, Robert Wood Johnson Foundation. 11/1/93 - 8/31/95.

"Healthy Options Statewide Evaluation," Aaron Katz, PI., 3% investigator, Washington Department of Social and Health Services, \$148,419, 2/1/95-6/30/95.

"An Evaluation of Medicaid Extension Demonstration in 3 states, (subcontract to Health Economics Research)," C.W. Madden, PI, Health Care Financing Administration, \$228,210 (total \$1,425,000), October 1992 - September 1997.

"Evaluation of the Worker's Compensation Managed Care Pilot Project," Tom Wickizer, PI, 5% investigator, Washington Department of Labor and Industries, \$347,145, 8/15/94-3/31/96.

"Effects of Physician Compensation on Physician Behavior," Doug Conrad, PI, 10% investigator, Robert Wood Johnson Foundation, \$624,048, 2/1/95-10/31/96.

"Community Snapshots," Aaron Katz, PI., 10% investigator, Robert Wood Johnson Foundation, \$167,613, 2/1/95-9/30/95.

"Washington State Health Services Commission," Aaron Katz, PI, 3% investigator, \$15,000, 4/1/94-6/30/95.

"An Evaluation of Medicaid Extension Demonstration in 3 states, (subcontract to Health Economics Research)," C.W. Madden, PI, Health Care Financing Administration, \$228,210 (total \$1,425,000) October 1992-September 1997.

"Hospital Diversion and Use of Psychiatric Hospitals," J. Semke PI, 1% consultant, NIMH, 10/93-9/98.

"Implementation of Diagnostic Risk Adjustment in an Employed Population," C.W.Madden, PI (25%), Robert Wood Johnson Foundation, \$1,053,719, 8/1/95-12/31/97.

"Health Status Based Risk Adjustment for a Medicaid SSI Population", C.W. Madden, PI. (10%), Robert Wood Johnson Foundation, \$89,604, 8/1/96-7/31/97.

"Using the CCHC Classification to Assess Health Status for Risk Adjustment." C.W. Madden, PI. \$24,161. Children's Hospital and Medical Center.

"Use of CCCHC for Risk Adjustment of Capitation Payments." C.W. Madden, PI. \$59,990. Center for Health Care Strategies.

UNIVERSITY SERVICE

Alternate, Committee on Legislative Affairs, 1988

Alternate, Graduate Program Coordinator, 1989

Faculty Senate representative, 1985-87

Chair, Ad Hoc Committee for Establishing Criteria for Progress of Research Associates, July 1988.

Chair, MHA Program Director Selection Committee 1990

Member, Faculty Affairs Committee, Graduate School of Public Affairs, 1989-90.

Member, Committee to Evaluate Health Services Chairman, 1989-90.

Member, Department of Health Services Curriculum Committee, 1990-91.

Member, Social Services Gateway Committee, Graduate School of Public Affairs, 1990-1994.

Member, MHA Birthday Party Planning Committee, 1991-92.

Member, Health Economics Committee Field Exam, 1992

Member, School of Public Health and Community Medicine Promotion and Tenure (Faculty Affairs) Committee, 1992-1994.

Member, Search Committee for Chair of Department of Health Services. 1994.

Chair, Task Force on MHA Policy Curriculum, 1995.

Member, Advisory Committee of the Center for Medical Education Research, 1995.

Acting Director, Graduate Program in Health Administration, UW, 2000-2001

Associate Program Director, Graduate Program in Health Administration, UW, 2001-2002.

Member, Chair Review Committee. Dept. of Health Services, 2002.

Director, Northwest Public Health Leadership Institute, 2002-2004.

Chair, Search Committee for HPAP Director, 2003.

Chair, Health Policy Advisory Committee, SPHCM. 2004.