

LUTCHMIE NARINE, Ph.D.

Associate Professor and Associate Dean for Research
Department of Health and Wellness
College of Human Ecology
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EDUCATION

University of Toronto, Department of Community Health, Toronto, Ontario, Canada.
Doctor of Philosophy (Ph.D.) in Health Services Organization and Management;
Minor: Research Methods; June 1993). **Dissertation**: "Prediction of the Financial Performance of Ontario Hospitals"- Advisors: Peggy Leatt, Ph.D., and George Pink, Ph.D.
University of Calgary, Department of Community Health, Calgary, Alberta, Canada.
Master of Science (MSc.) in Community Health Sciences (December 1988)
Thesis: "The Effects of Pulmonary Rehabilitation on the Quality of Life of Chronic Obstructive Pulmonary Disease Patients" –Advisor: Donald Larsen, Ph.D.
University of Calgary, Department of Anthropology, Calgary, Alberta, Canada.
Bachelor of Science (BSc., first class honours) in Anthropology (June 1986).
Honours Thesis: "Women's Work Load and Infanticide"- Advisor: Usher Fleising, Ph.D.

ACADEMIC/WORK EXPERIENCE

Department of Health and Wellness, College of Human Ecology, Syracuse University.

- Chair, Department of Health and Wellness (July 2009 – present)
- Associate Dean for Research for the College of Human Ecology (August 2008 – present)
- Director of the Research Center for the College of Human Ecology (August 2008 – present)
- Associate Professor (January 2008 - present)

Division of Health Administration, School of Urban Affairs and Public Policy, College of Arts and Sciences, University of Memphis.

- Associate Professor (January- December 2007)
- Director of the Division of Health Administration (January- December 2007)
- Director of the Maurice Elliott Leadership Institute (January- December 2007)

Department of Public Health Sciences, College of Health and Human Services, University of North Carolina at Charlotte.

- Associate Professor (July 2002 – December 2006)
- Director of the Master of Health Administration Program (July 2002- December 2006)
- Executive Member of the Health Services Research Academy
- Faculty, Ph.D. in Public Policy, College of Arts and Sciences
- Faculty Associate, Center for Professional and Applied Ethics

Department of Health Administration, College of Public Health, The University of Oklahoma Health Sciences Center.

- Assistant Professor (July 1997 – June 2002)
- Interim Vice Chair (May 1999 - January 2000)
- Public Health Practice Co-ordinator (October 1999 – June 2002)

Department of Health Policy, Management and Evaluation, Faculty of Medicine, University of Toronto.

Assistant Professor & Project Director. (January 1995 - June 1997).

- Project Director of a study on the “Role of the Pharmaceutical Industry Within a Reformed Health System”.
- Co-ordinated continuing education programs for Physician Managers.
- Co-ordinated international visits and exchanges.

Department of Epidemiology and Biostatistics, Faculty of Medicine, McGill University.

Assistant Professor & Project Director (November 1993 - December 1994).

- Taught and managed a technical assistance project aimed at establishing an Institute of Health Services Management in Budapest, Hungary. The Institute provides management training to Hungarian and other East European hospital managers.

Ontario Drug Programs Project (ODPP), Ontario Ministry of Health.

Management Systems Analyst (June - November, 1993).

Health Economics Research Division, Physicians World Communications Group

Consultant (1992-1993).

- Assisted with the development and testing of the PECAN (Pharmacoeconomic Cost Analyser) program. PECAN is a computer software model that can be used in cost-effectiveness analyses of pharmaceutical products.

Hospital Management Research Unit, University of Toronto.

Project Assistant (1991-1992).

- "A Study to Assess the Feasibility of Developing a Model to Predict the Financial Condition of Ontario Hospitals".

Case Management Directorate, Department of Nursing, The Toronto Hospital.

Consultant (1990-1991).

- Identified and analysed relevant costing data for the assessment of patient and provider utilization of hospital resources within the organizational framework of case management.

Literatura Medica, Budapest, Hungary.

Consultant - Organizational Change (1994).

- Literatura Medica is a leading medical publishing company in Hungary. Included among its publications is the official journal of the Hungarian Medical Association.

TEACHING

Department of Health and Wellness, College of Human Ecology, Syracuse University

(January 2008 – Present)

- HTW 300 Health Program Administration
- HTW 403 Community Based Health Policy and Research

Division of Health Administration, School of Urban Affairs and Public Policy, College of Arts and Sciences, University of Memphis (2007)

- HADM 7206 Managerial Epidemiology

Department of Public Health Sciences, College of Health and Human Services, The University of North Carolina at Charlotte (July 2002 – December 2006)

- HSRD 8002 Health Care Systems and Delivery
- HADM 6145 Organization Behavior in Health Care
- HADM 6134 Quality and Outcomes Management in Health Care
- HADM 6124 Marketing in Health Care
- HADM 6154 Strategic Management of Health Services Organizations
- HADM 6120 Health Economics

Department of Health Administration and Policy, College of Public Health, The University of Oklahoma Health Sciences Center (July 1997 – June 2002)

- HAP 5303 Health Policy and Politics
- HAP 5323 Operations Research
- HAP 5543 Health Planning and Evaluation
- Continuous Quality Improvement (CQI) Quantitative Methods (Summer Certificate Program)

Department of Pharmacy Practice, College of Pharmacy, The University of Oklahoma Health Sciences Center

- PHAR 7713 Pharmacoeconomics and Epidemiology (Spring 2000)

Department of Health Administration, Faculty of Medicine, University of Toronto

- CHL 5725 Health Economics I - Economic Evaluation Methods (Fall 1998 & Fall 1996)
- "Cost-Effectiveness Analysis", Health Care System and Management Module -
- Third Year Undergraduate Medical Class (Fall 1995)
- "Determinants of Health: The Physician in Canada's Health Care System",
- Health Care System and Management Module - Third Year Undergraduate'
- Medical Class (Fall 1996)
- CHL 5711 Theory and Practice of Strategic Planning and Management in Health Services (Teaching Assistant, Spring 1991).

SUPERVISOR/EXAMINER

Doctor of Public Policy (Health Concentration), College of Arts and Sciences, University of North Carolina at Charlotte

Student: Satananda Hayden (September 2004-December 2006; Committee Chair)

Doctor of Health Psychology, College of Arts and Sciences, University of North Carolina at Charlotte

Student: Kristin Daley (October 2005- December 2006)

Doctor of Education, College of Education, University of North Carolina at Charlotte

Student: Bree Jimenez (August 2005- December 2006)

Master of Health Administration, College of Health and Human Services, University of North Carolina at Charlotte

Student: Shanti Stappas (2004- 2006)

Nathan Kellet (2002- 2004; Committee Chair)

Master of Health Promotion, College of Health and Human Services, University of North Carolina at Charlotte

Student: Davita Galloway (2004-2006)

Cindy Rutherford (October 2005 - 2006)

Melanie Rouse (2002; Committee Chair)

Doctor of Public Health (DrPH) Committee Chair, College of Public Health, University of Oklahoma Health Sciences Center

Students: Robert Brower (2001-2002) , Department of Health Administration and Policy

Bob Frost (1999-2002) , Department of Health Administration and Policy

Barbara Norton (2001-2004), Department of Health Promotion Sciences

(Co-Chair)

Doctor of Public Health (DrPH) Committee Member, College of Public Health, University of Oklahoma Health Sciences Center

Students: Daryl Baker (1997-2001) , Department of Health Administration and Policy

Russell A. Brewer (2001), Department of Health Promotion Sciences

Barbara Norton (1997-2000), Department of Health Promotion Sciences

Dissertation Supervisor (1996 -1997). Doctoral Student: Judy Hackett, Department of Health Administration, University of Toronto.

External Co-Supervisor (1997 - 2001). Doctoral Student: Dale McMurchy, Department of Economics, University of Cape Town, South Africa.

Internal Appraiser (1996). MSc. Thesis (John Pilla): The Development and Pilot Testing of a Medication Use Management Model, Faculty of Pharmacy, University of Toronto.

External Appraiser (August 2000). MSc. Thesis (Andy Thomas): Towards a Framework for Examining the Interrelationship Between Health and the Economy, Department of Economics, University of the West Indies, St. Augustine, Trinidad and Tobago.

External Appraiser (December 1998). MSc. Thesis (Roger McLean): An Economic Approach Towards the Development of a Screening Programme for Cancer of the Cervix in Trinidad - An Evaluation of Cost Recovery Approaches in the Public Sector, Department of Economics, University of the West Indies, St. Augustine, Trinidad and Tobago.

External Appraiser (July 1998). MSc. Thesis (Leslie Charles): Primary Health Care in Grenada, Carriacou and Petite Martinique: An Evaluation of Effectiveness and Prognosis for the Future, Department of Economics, University of the West Indies, St. Augustine, Trinidad and Tobago.

External Examiner (1995- present). Comprehensive Examinations, MSc. Degree in Economics, Faculty of Social Sciences, University of the West Indies, St. Augustine, Trinidad and Tobago.

Practicum Co-Supervisor (1997). MHSc. Student: Kim Lenihan, Department of Health Administration, University of Toronto.

ACCREDITATION/PROGRAM DEVELOPMENT

- Syracuse University
 - Planning Committee for Master of Child and Family Health in the Global Community Program (CFHGC); December 2008 – present)
 - Lead Faculty, transition from BSc. Health and Wellness to Bachelor of Science in Public Health (BSPH; 2007-2009)

The Bachelor of Science in Public Health degree program was approved by the New York State Department of Education to be offered starting Fall, 2009.

Plans for the establishment of the Master of Child and Family Health in the Global Community Program was selected among a few projects to receive funding from the Chancellor's Leadership Project program which is externally supported by the Carnegie Corporation of New York.

- University of Memphis (2007)
 - School of Public Health Planning Committee
 - Curriculum Review Committee for Health Administration MPH and PhD Programs
 - Curriculum Review Committee for Epidemiology MPH Program

A Master of Public Health Program was started and planning continued for the establishment of a school of public health during this time.

- University of North Carolina at Charlotte (UNCC)
 PhD in Health Psychology Planning Committee (Oct. 2003 – Sept. 2005)
 PhD in Health Services Research Planning Committee I (Sept. to Dec. 2002)
 PhD in Health Services Research Planning Committee II (Jan. – Sept. 2003)

Both the Ph.D. in Health Services Research and Ph.D. in Health Psychology degree programs were approved by the State of North Carolina and are established and functioning programs at UNCC.

- Department of Public Health Sciences (UNCC)
 Curriculum Committee (2003-2007)
 Chair, Master of Health Administration (MHA) Program Committee (2002-2007)

In my capacity as Chair of the MHA committee I spearheaded the accreditation self study process which eventually resulted in the program being accredited for the first time by the Commission on Accreditation of Healthcare Management Education (CAHME)

- College of Public Health (University of Oklahoma Health Sciences Center (OUHSC)
 Reaccreditation Self-Study Task Force (Instructional Programs), (June 1998 – March 1999).
 Core Curriculum Review Committee, (2000)

The College of Public Health was re-accredited for a normal full term by the Council for Education in Public Health (CEPH)

- Department of Health Administration and Policy (OUHSC)
 Curriculum Committee, Dept. of Health Administration and Policy (1997-2002)
 Accreditation Self-Study Task Force (Master of Health Administration Program; February 2001 – May 2002).

The Master of Health Administration program was accredited for the first time by the Commission on Accreditation of Healthcare Management Education (CAHME)

PUBLICATIONS

1. Peer-Reviewed Articles and Book Chapters

Shobe, A. M., and **Narine, L.** Achieving the American Dream: Facilitators and Barriers to Homeownership among Immigrants. *Journal of Immigrant & Refugee Services*, 2006, 3, 3/4, 73-92.

Wilmoth, M. C., and **Narine, L.** “African American Women and Cancer”, pp.433-443. Chapter Twenty Five in K. H. Dow (Ed.), *Nursing Care of Women with Cancer*, Mosby Elsevier, 2006.

Narine, L., Hague, L. K., Walker, J. H., Vicente, C., Schilz, R., Desjardins, O., Einarson, T. R., and Iskedjian, M. "Cost-minimization Analysis of Trepstinil vs. Epoprostenol as an Alternate to Oral Therapy: Non-responders for the Treatment of Pulmonary Arterial Hypertension". *Current Medical Research and Opinion*, 2005, 21(12): 2007-2016.

Khaliq A. A., Hani D., Huang C. Y., **Narine L.**, and Smego R. A. Disciplinary Action Against Physicians: Who is Likely to Get Disciplined? *The American Journal of Medicine*, 2005, 118: 773-777.

Broyles, R. W., **Narine, L.**, and Robertson, M. J. "Assessing Administrative Costs of Mental Health and Substance Abuse Services". *Administration and Policy in Mental Health*, 2004, 31(5):393-408.

Broyles, R. W., Khaliq, A., Robertson, M. J., and **Narine, L.** "The Differential Costs of Employing Support Personnel: An Approach to Improving Efficiency and Fiscal Performance". *Research in Healthcare Financial Management*, 2004, 9(1):69-84.

Narine, L., and Persaud, D. D. "Gaining and Maintaining Commitment to Large-scale Change in Health Care Organizations". *Health Services Management Research*, 2003, 16:179-187.

Broyles, R. W., **Narine, L.**, Clarke, S. R., and Baker, D. R. Factors Associated with the Likelihood of Injury in Four Wheel Drive-Passenger Car Collisions. *Accident Analysis & Prevention*, 2003, 35:677-681.

Broyles, R.W. **Narine, L.** and Khaliq, A. "Break-Even Analysis Revisited: The Need to Adjust for Profitability, The Collection Rate and Autonomous Income". *Health Services Management Research*, 2003 16:194-202.

Broyles, R. W., **Narine, L.**, and Brandt, E. N. The Temporarily and Chronically Uninsured: Does their Use of Primary Care Differ? *Journal of Health Care for the Poor and Underserved*, 2002, 13(1): 95-111.

Narine, L., Senathirajah, M., and Smith, T. "An Assessment of the Impact of Reference Based Pricing Policies on the H₂ Antagonists Market in British Columbia, Canada". *Journal of Research in Pharmaceutical Economics*, 2001, 11(1):63-78.

Narine, L. "Improving Health Care Quality: Strategies for Implementing Change", pp. 113-132. Chapter Seven in A. F. Al-Assaf (Ed.), *Health Care Quality: An International Perspective*, World Health Organization, 2001.

Persaud, D., and **Narine, L.** Organizational Justice Principles and Large Scale Change: The Case of Program Management. *Healthcare Management Forum*, 2001, 13(4):10-23.

Broyles, R. W., Clarke, S. R., **Narine, L.**, and Baker, D. R. Factors Contributing to the Amount of Vehicular Damage From Four Wheel Drive Vehicle-Passenger Car Collisions. *Accident Analysis & Prevention*, 2001, 33:673-678.

Broyles, R. W., **Narine, L.**, and Brandt, E. N. "Health Risks, Ability to Pay and the Use of Primary Care: Is the Distribution of Service Effective and Equitable?" *Preventive Medicine*, 2000, 30: 453-462.

Broyles, R. W., **Narine, L.**, and Brandt, E. N. "Equity Concerns with the Use of Hospital Services by the Medically Vulnerable". *Journal of Health Care for the Poor and Underserved*, 2000, 11(3): 343-360.

Narine, L. "Impact of Health System Factors on Changes in Human Resource and Expenditures Levels in OECD Countries". *Journal of Health and Human Services Administration*, 2000, 22(3):292-307.

- Narine, L.**, Senathirajah, M., and Smith, T. "Reference-based pricing (The authors respond)". Canadian Medical Association Journal, 2000, 162(1): 13-14.
- Narine, L.**, Senathirajah, M., and Smith, T. "Evaluating reference-based pricing: initial findings and prospects". Canadian Medical Association Journal, 1999, 161(3): 286-288.
- Leggat, G. S., **Narine, L.**, Lemieux-Charles, L., Barnsley, J., Baker, G. R., Sciotte, C., Champagne, F., and Bilodeau, H. "A Review of Organizational Performance Assessment in Health Care", Health Services Management Research, 1998, 11: 3-18.
- Leggat, G. S., **Narine, L.**, Lemieux-Charles, L., Barnsley, J., Baker, G. R., Sciotte, C., Champagne, F., and Bilodeau, H. "Authors' Response to Commentaries", Health Services Management Research, 1998, 11: 22-23.
- Deber, R., **Narine, L.**, Baranek, P., Sharpe, N., Duvalko Masnyk, K., Shaul-Zlotnik, R., Coyte, P., Pink, G., & Williams, A. P. "The Public-Private Mix in Health Care". Health Care Systems in Canada and Elsewhere. (pp. 423-545). Sainte-Foy, Quebec: Editions MultiMondes, 1998.
- Narine, L.**, Pink, G., and Leatt, P. "Prediction of the Financial Performance of Ontario Hospitals: A Test of the Environmental Determinist and Adaptationist Perspectives", Health Services Management Research, 1996, 9(3): 137-155.
- Dranitsaris, G., Mihn Tran, T., McGeer, A., and **Narine, L.** "Pharmacoeconomic Analysis of Empirical Therapy with Ceftazidime Alone or Combination Antibiotics for Febrile Neutropenia in Cancer Patients", PharmacoEconomics, 1995, 7(1):49-62.
- Dranitsaris, G., DeAngelis, C., Warr, D., and **Narine, L.** "Pharmacoeconomic Analysis of Prophylactic Treatments for Emesis Secondary to Breast Cancer Chemotherapy. "Canadian Journal of Hospital Pharmacy, 1995, 48(5): 266-275. 1995).
- Baker, G. R., **Narine, L.**, and Leatt, P. "Organizational Designs for Health Care". The AUPHA Annual of Health Services Management. (pp. 103-117). Gaithersburg, Maryland: Aspen Publishers, Inc., 1994.
- Narine, L.**, and Einarson, T.R. "Corporate Culture and Change: A Perspective for Pharmaceutical Firms", Journal of Pharmaceutical Marketing and Management, 1991, 6(2):33-42.
- Narine, L.**, Yee, D.S., Einarson, T.R., and Ilersich, A.L. "Quality of Abstracts of Original Research Articles in CMAJ in 1989", Canadian Medical Association Journal, 1991, 144(4): 449-453.

2. *Scientific Outreach Articles*

- Narine, L. "Income-Based Pharmacare Policies- Goals and Impact". Provincial Reimbursement Advisor, 2006, 9(4): 39-45.
- Narine, L.** "Reimbursement and Market Possibilities for Combination Drugs in Canada". Provincial Reimbursement Advisor, 2005, 8(2): 49-54.
- Narine, L.** "Managing the Cost of Cancer Drugs". Provincial Reimbursement Advisor, 2004, 7(4):37-41.
- Narine, L.** "Socioeconomic Differences in Health Related Behavior". Social Science and Medicine, 2004, 58 (1): 219.
- Brandon, W., **Narine, L.**, and Hayden, S. A. "UNC Charlotte Evaluates Physicians Reach Out". Mecklenburg Medicine, 2004, 34(9): 12.

- Narine, L.** "Value for Money: Crossing the Fourth Hurdle of Pharmaceutical Reimbursement". Provincial Reimbursement Advisor, 2003, 6(3):16-21.
- Aliaban, K.M., Al-Omar, B., **Narine, L.**, Al-Assaf, A.F., and Javed, F. "A Survey Assessing Patient Satisfaction at Public & Private Healthcare Facilities in Riyadh, Saudi Arabia." Annals of Saudi Medicine, 2003 23:417-419.
- Narine, L.**, and Maharaj, I. "The Role of Ethnicity and Culture". The New Face of Canadian Health Care: Engaging the Involved Consumer. (pp. 73-94). Toronto: IMSWorld Publications, Ltd., 2002.
- Narine, L.** "Income-Based Cost-Sharing- A Review". Provincial Reimbursement Advisor, 2002, 5(2): 32-36.
- Narine, L.** "Perspectives on the State of Clinical Practice Guidelines in Canada. Provincial Reimbursement Advisor, 2001, 4(3):31-36.
- Narine, L.** "The Effect of New Drugs on Spending Trends: Perception Versus Reality". Provincial Reimbursement Advisor, 2001, 4(2): 13-18.
- Narine, L.** "Clinical Practice Guidelines-Outlook and Implications for Pharma and Public Payers. Provincial Reimbursement Advisor, 2000, 3(3): 10-15.
- Wilson, W., **Narine, L.** "Do Market Interventions Control Pharmaceutical Spending". Provincial Reimbursement Advisor, 2000, 3(1): 12-18.
- Contributor, "How Should Clinical Practice Guidelines be Developed and Used?: A Panel of Experts Establishes an Outline for Consensus". Health Policy Forum, 2000, 3(4):11-18.
- Narine, L.** "Disease Management: The Challenges and Potential for Manufacturers". Provincial Reimbursement Advisor, 1999, 2(4): 9-15 .
- Narine, L.** "The Role of Prescribing Guidelines in Managing Provincial Drug Budgets: Implications for Pharmaceutical Manufacturers". Provincial Reimbursement Advisor, 1999, 2 (2): 12-21.
- Senathirajah, M., Smith, T., and **Narine, L.** "Disease Management: What Does It Mean For Health System Integration?", Hospital Quarterly, 1998, 2(1): 18-22.
- Dunn, L. and **Narine, L.** "Drug Utilization Review: An Introduction, Managed Drug Care News & Report, 1997 (March): 1-2.
- Pilla, N. J., Dunn, L., and **Narine, L.** "Formulary Systems: Desperately Seeking the Ideal", Managed Drug Care News & Report, 1996 (Nov/Dec.): 1-2.

3. Abstracts

- Chengxiu S, **Narine, L.**, Brandon, W.P., and Schoeps, N. Who is Healthier Under Medicaid Managed Care: Racial Differences in Health Status. Annual Meeting of Academy Health, Chicago, June 2009.
- Chengxiu S, **Narine, L.**, Brandon, W.P., and Schoeps, N. Who is Better Served in Medicaid Managed Care: Racial Differences in Health Care Access. Annual Meeting of Academy Health, Chicago, June 2009.
- Hayden S., **Narine, L.**, and Tong. R.O. "Picking Out the Pieces: Ethics and Morality in Global Nurse Migration Policy. Section on International Health, Academy Health, Boston, MA., June 2005.

Hayden S., and **Narine, L.** "Applying a Public Policy Approach to Issues of Global Nurse Migration". Section on Health Workforce Studies, Academy Health, Boston, MA., June 2005.

Narine, L. "The Interactive Effects of Demographic and Racial/Ethnic Factors on Prostate Cancer Outcomes: Implications for Prevention and Treatment Programs". Society for Prevention Research, Washington, D.C., May 2005.

Narine, L., Hague, L. K., Vincente, C., Walker, J. H., Einarson, T. R., and Iskedjian, M. "Cost-effectiveness of Treprostinil vs Epoprostenol in Patients with Pulmonary Arterial Hypertension", American Thoracic Society, Orlando, FL., June 2004.

Broyles, R. W., Clarke, S.R., and **Narine, L.** "Severity Factors in Sport Utility Vehicles Involved Traffic Crashes. Traffic Records Forum, Boston, MA. June 1999.

Narine, L. and Al-Assaf, A. F. "A Review of Performance Indicator Models in Health Care". 15th ISQua Conference on Quality in Health Care. Budapest, Hungary. October 7-10, 1998.

Narine, L., "The Influence of System Factors on Aggregate Expenditures and Size of the Health Workforce in OECD Countries". Cahiers de Sociologie et de Demographie Medicales (Journal of Sociology and Medical Demography), Vol. 38 (2-3): 219-220, 1998. Fourth General Conference of the Federation for International Cooperation of Health Services and Systems Research Centers (FICOSER), Cuernavaca, Mexico. July 28-30, 1998.

Narine, L., Alhajji, A.F., and Al-Assaf, A.F. "What Health Care Spending, Delivery and Outcome Trends in OECD Countries Can Teach Us About Managing Health Care Quality And Costs". Proceedings of the Third International Conference on Strategic Issues in Health Care Management: Managing Quality and Controlling Cost. St. Andrews University, Scotland. April 2-4, 1998.

Narine, L., Alhajji, A. F., and Al-Assaf, A. F. "The influence of System Factors on Health Care Spending in OECD Countries: Implications for Improving the Management of Health Care Quality and Costs". Proceedings of the Third International Conference on Strategic Issues in Health Care Management: Managing Quality and Controlling Cost. St. Andrews University, Scotland. April 2-4, 1998.

Persaud, D. D., **Narine, L.**, and Al-Assaf, A. F. "Using Procedural and Interactional Justice Theories to Guide Acceptance of Program Management in Health Care Organizations". Proceedings of the Third International Conference on Strategic Issues in Health Care Management: Managing Quality and Controlling Cost. St. Andrews University, Scotland. April 2-4, 1998.

4. *Papers/Abstracts Submitted*

5. *Papers/Abstracts in Progress*

Gemmell, H., Hayes, B. and Narine, L. Satisfaction of Managed Care Patients with Chiropractic Physicians in an Independent Physicians's Association. Intend to submit to: Journal of Manipulative and Physiological Therapeutics.

Narine, L., and Shobe, M. "Making Sense of Housing Disparities Research: A Review of Economic, Demographic, and Geographic Markers of Disadvantage". Revise and resubmit to Journal of Social Work and Public Policy.

6. *Reports*

Brandon, W.P. and Narine, L. (2006). Evaluation of Physicians Reach Out: Assessing Change in Health Status Over 2 Years 1 August 2004 – 30 June 2006. Report to the Duke Foundation and Mecklenburg County Medical Society.

Narine, L. (2001). Evaluation of the Effects of the Oklahoma Medicaid Program's Prior Authorization Policy on Nonsteroidal Anti-Inflammatory (NSAID) and Anti-Ulcer Medications. Final Report to the Oklahoma Health Care Authority.

Curtis, K.W., Narine, L., Pillai, J. (2000). Evaluation of the Management Efficiencies of: Pawhuska Hospital, Inc. Final Report to the Pawhuska City Council.

Narine, L., Baker, D. R., Curtis, K. W. (2000). Emergency Room/Ambulatory Care Project: Johnston Memorial Hospital Case Study Analysis. Final Report to the Southern Oklahoma Memorial Foundation and the Oklahoma Rural Health Partnership, Inc.

Clarke, R. S., Broyles, R. W., Narine, L., Baker, D. R. (2000). A Financial Review of Substance Abuse Service in Oklahoma. Final Report to the Oklahoma State Senate Interim Committee on Substance Abuse Services.

Narine, L., Sen, M., Smith, T., and Leatt, P. The Role of the Pharmaceutical Industry Within a Reformed Health Care System: Searching for the Optimal Therapy. Final Report to the Pharmaceutical Manufacturers Association of Canada, June 1998.

Contributor. Caribbean Regional Health Study. Final Report to the Caribbean Group for Co-operation in Economic Development, Inter-American Development Bank (IDB) and Pan American Health Organization/World Health Organization, May, 1996.

Co-Editor. Integrated Delivery Systems: Providing a Continuum of Health Care. A Working Paper Arising From an Invitational Think Tank (April 25-26, 1996).

Narine, L. Health Care Expenditures and Financing in Belize, Bahamas, Haiti, and Dominican Republic. Final Report to the InterAmerican Development Bank (IDB) and Pan American Health Organization (PAHO), September, 1995.

Narine, L. Integration of Administrative and Clinical Information Systems, In Issue paper for the Hospital Management Committee, Joint Policy and Planning Committee, Ministry of Health, Ontario & Ontario Hospital Association, May 1995.

Narine, L., Pink, G., Leatt, P., and Bolley, H. Prediction of the Financial Performance of Ontario Hospitals. Final Report to the Hospital Incentive Fund, Ontario Ministry of Health, 1993.

Narine, L. Alternatives for the Provision of Long Term Care Services for the Elderly of Ontario, Report to Ministry of Community and Social Services, Ontario, 1990.

Funded Research Projects

"Survey of Patient Satisfaction Among North Carolina Medicaid Patients", William Brandon and Lutchmie Narine (Co-Principal Investigator). North Carolina Department of Health and Human Services (\$320,000, November 2005 - November 2008).

"Evaluation of Physicians Reach Out/Medlink of Mecklenburg", William Brandon and Lutchmie Narine (Co-Principal Investigator). Mecklenburg County Medical Society/Duke Endowment (\$101,000, January 2004 - December 2007).

"Socioeconomic Correlates of Prostate Cancer Among Minority Populations in the United States", Lutchmie Narine (Principal Investigator). Faculty Development Grant, University of North Carolina at Charlotte (\$6,000, January 2003- June 2004).

"HIV/AIDS Policy, Staff Training and Education Assessment Survey". Lutchmie Narine (Principal Investigator). Oklahoma State Department of Education (\$2,500, Feb.-Sept. 2002).

"The Oklahoma Longitudinal Assessment of Health Outcomes of Mature Adults". James W. Mold and Lutchmie Narine (Co-Principal Investigator). Presbyterian Health Foundation (\$202,700, Oct. 2000 - Sept. 2001).

"Faculty Development for Public Health Practice - Part II". Lutchmie Narine (Principal Investigator). Association of Schools of Public Health and Health Resources and Services Administration (ASPH/HRSA) Cooperative Agreement (\$10,000, Sept. 2000 - Sept. 2001).

"Review and Summary of Literature Regarding the Principles of Physician Relationships in Different Health Care Models". Lutchmie Narine (Principal Investigator), Tina Smith, and Mahil Senathirajah. Ministry of Health, Province of Ontario, Canada (\$72,500, July 1999 - Sept. 2000).

"Evaluation of the Oklahoma Health Care Authority's Product Based Authorization Program for NSAIDS and Anti-Ulcer Drugs". Lutchmie Narine (Principal Investigator). Oklahoma Health Care Authority, State of Oklahoma (\$39,450, July - Nov. 2000).

"Evaluation of Management Efficiencies of the Pawhuska Hospital". Keith W. Curtis and Lutchmie Narine (Co-Principal Investigator). Pawhuska City Council, Oklahoma (\$13,000, May-Oct. 2000).

"Faculty Development for Public Health Practice - Part I". (Principal Investigator). Association of Schools of Public Health and Health Resources and Services Administration (ASPH/HRSA) Cooperative Agreement (\$10,000, Sept. 1999 - Aug. 2000).

"Family Medicine Research Center". James W. Mold et al., Lutchmie Narine (Co-Investigator), Presbyterian Health Foundation (\$191,177.00; Sept. 1998 - Sept. 1999).

"Financial Audit of Substance Abuse Services in Oklahoma". S. Ross Clarke, Lutchmie Narine, Robert W. Broyles, and Edward N. Brandt. Oklahoma State Senate Interim Committee on Substance Abuse Services, State of Oklahoma (\$40,000; Sept. 1999 - Feb. 2000).

"Emergency Room/Ambulatory Care Project". Lutchmie Narine (Co-Principal Investigator), Keith W. Curtis. Southern Oklahoma Memorial Foundation (\$25,000; Oct. 1998 - Jan. 2000).

"The Impact of Walk-in-Clinics on Ontario's Health Care System". Barnsley et al., Lutchmie Narine (Co-Investigator), Physician's Services Incorporated Foundation (\$596, 400; Sept. 96 - Dec. 1998).

Research Consultant for "Evaluation of the Primary Care Nurse Practitioner Initiative Nursing Placement and Tracking Study". DiCensco et al. Ministry of Health, Province of Ontario, Canada (\$500,000; 1996-1997).

"Consumer Assessment of Health Plans Survey". Lutchmie Narine (Principal Investigator). Oklahoma Health Care Authority (\$7,000; Oct. 1997 - Jan. 1998).

"The Role of the Pharmaceutical Industry Within a Reformed Health Care System: Searching for the Optimal Therapy". Peggy Leatt, Lutchmie Narine (Co-Investigator), and Tina Smith. Pharmaceutical Manufacturers Association of Canada (PMAC) (\$450,000; Sept. 1996 - Sept. 1998).

"Evaluation of an Asthma Disease Management Program", Lutchmie Narine (Principal Investigator), Mahil Sen, and Tina Smith, GlaxoWellcome Inc., Mississauga, Ontario (\$42,000; Jan. - Oct. 1996).

"Development of a Balanced Performance Scorecard for Health Care Institutions". Lutchmie Narine (Principal Investigator), Green Shield Canada (\$27,178; Jan. - Sept. 1997).

"The Health Evidence Application & Linkage Network (HEALNet; Health Care Management Theme)". Lemieux-Charles et al., Lutchmie Narine (Co-Investigator). Networks of Centres of Excellence Program (\$700,022; 1995 -1997)

Team Leader for "Defining and Costing Episodes of Care & Development of Quality Measures for Information Systems". Ministry of Health, Province of Ontario, Canada (\$450,000; 1995-1997).

Team leader for "Development of a Balanced Scorecard & Benchmarking Tools for Canadian Hospitals ". The Natural Sciences and Engineering Research Council (NSERC) of Canada. (\$866,250; 1995-1997).

Team Leader for "Development of a Balanced Scorecard for TAHSC Hospitals". The Toronto Academic Health Sciences Council (TAHSC) (\$110,000; 1995-1997).

"Evaluation of Wellesley Hospital's Urban Health Initiative". Peggy Leatt, Lutchmie Narine (Co-Investigator), Louise Lemieux-Charles, Jan Barnsley, and David Zakus. The Wellesley Hospital (\$10,000; 1996-1996).

"Renewal of the Certificate Program in Health Services Management for Hungary". Sylvie Beaucage, Lutchmie Narine (Co-Principal Investigator), and David Zakus. Ministry of Foreign Affairs and International Trade, Canada (\$986,000; 1995-1997).

"Health Care Expenditures and Financing - Caribbean Regional Health Sector Study" Jack Williams, Lutchmie Narine (Co-Investigator), David Zakus. Inter-American Development Bank (IDB) and Pan American Health Organization (PAHO) (\$65,829; 1995-1996).

"Analytical Paper on Public and Private Financing". Raisa Deber, Lutchmie Narine (Co-Investigator) and Associates. Working Group on Striking A Balance: National Health Forum, Canada (\$29,750; October, 1995- May, 1996).

"Roundtable on Disease Entity Management: What Does it Mean for Ontario". Lutchmie Narine and Tina Smith. Ontario Drug Programs Branch, Ministry of Health, Province of Ontario, Canada (\$10,000 (1996).

"Proposal for Health Administration Faculty Exchange - Ukraine and Canada". Lutchmie Narine (Co-Principal Investigator) and Peggy Leatt. Partners in Health Program, Canadian Society for International Health (\$18,076; May - June, 1995).

"Efficiency-Improving Innovations in the Community-Based Care of the Elderly".
Lutchmie Narine (Principal Investigator). Ministry of Community and Social Services, Ontario.
\$9,400; Sept. - Dec. 1989.

COMMUNICATIONS

1. Presentations at Professional Meetings

Hayden, S., **Narine, L.** "Applying a Public Policy Approach to Issues of Global Nurse Migration". Academy Health, Boston, June 2005.

Hayden, S., **Narine, L.**, Tong, R. "Picking Out the Pieces: Ethics and Morality in Global Nurse Migration Policy", Academy Health, Boston, June 2005.

Narine, L. "Clinical Testing and Sampling in the Developing World: The Case of Africa", Health in Affica and its Diaspora, UNC Charlotte, Department of African American and African Studies, Charlotte, April 8, 2005.

Narine L. "U.S. Health Care in an International Context", presentation to the Phi Beta Delta Honor Society for International Scholars, UNCC, Charlotte, March 23, 2005.

Narine, L. "Explaining Drug Spending Trends: Myth vs. Reality". Oklahoma State Medical Association Annual Meeting, Oklahoma City, April 28, 2001.

Narine, L. "Changing Roles and Responsibilities of Payers, Providers, Patients and the Industry". C-PIC '98 Canada's Pharmaceutical Industry Conference, Montreal, November 23-25, 1998.

Narine, L. "Applying Outcomes Assessment and Pharmacoeconomics in Patient Care". Second Annual Oklahoma Health Care Quality Conference: Managing Health Care Quality Measuring for Improvement. Oklahoma City, March 28, 1998.

Narine, L., Alhajji, A.F., and Al-Assaf, A.F. "The Influence of System Factors on Health Care Spending in OECD Countries: Implications for Improving Health Care Quality and Costs". Third International Conference on Strategic Issues in Health Care Management: Managing Quality and Controlling Cost. St. Andrews, Scotland, April 2-4, 1998.

Persaud, D., **Narine, L.**, and Al-Assaf, A.F. "Using Procedural and Interactional Justice Theories to Guide Acceptance of Program Management in Health Care Organizations". Third International Conference on Strategic Issues in Health Care Management: Managing Quality and Controlling Cost. St. Andrews University, Scotland. April 2-4, 1998.

Narine, L. "The Latest on Pharmaceutical Related Population Outcomes: Using the Information to Build a Balanced Model for Canadian Health Care". C-PIC '96 Canada's Pharmaceutical Industry Conference, Toronto, November 27, 1996.

Narine, L. "What is Outcomes Research: The Case of Colorectal Surgery". Annual Meeting of the Canadian Society of Colon and Rectal Surgeons, Halifax, Nova Scotia, September 28, 1996.

Narine, L. "An Analytical Review of Performance Indicator Models in Health Care", presentation to Health Care Management Theme meeting (HEALNet), University of Montreal, Montreal, December 8, 1995.

Narine, L. "The Role of the State in Health Systems", Discussion Leader, XIII International Conference on The Social Sciences & Medicine, Organized by the Social Science & Medicine Journal, Balatonfüred, Hungary, October, 1994.

2. *Other Presentations*

“Clinical Testing and Sampling in the Developing World: The Case of Africa”, Health in Africa and its Diaspora, UNC Charlotte, Department of African American and African Studies, Charlotte, April 8, 2005.

“The U.S and its Health System a Comparative Assessment”, presentation to the East Charlotte Rotary Club, Charlotte, April 7, 2005.

“University - Clinical Practitioner Research Collaborations: Opportunities and Options”, Salisbury VA Medical Center, Salisbury, April 22, 2005.

"Final Results of the Evaluation of the Oklahoma Medicaid Program's Prior Authorization Policy on Nonsteroidal Anti-inflammatory (NSAID) and Anti-Ulcer Medications", Oklahoma State Senate Health Care Committee, Oklahoma City, June 26, 2001.

"Interim Results of the Evaluation of the Oklahoma Medicaid Program's Prior Authorization Policy on Nonsteroidal Anti-inflammatory (NSAID) and Anti-Ulcer Medications", Oklahoma Health Care Authority, Oklahoma City, April 10, 2001.

"The Practice and Use of Needs Assessment in Public Health", Oklahoma Public Health Leadership Institute, Oklahoma City, May 17, 2000.

"Health Risks, Ability to Pay and the Use of Primary Care: Is the Distribution of Service Effective and Equitable?", Board of Visitors Meeting, College of Public Health, University of Oklahoma Health Sciences Center, October 2, 1998.

“What Does Disease Management Mean for Health Care in Canada”, Telemedicine Canada Presentation, Toronto, June 10, 1997.

“Policy Issues Around the Design and Implementation of a National Pharmacare Program” The Employer Committee on Health Care - Ontario (ECHO), Toronto, April 10, 1997.

“The Economic Impact of the Pharmaceutical Industry in Canada”, The Board of Directors, Pharmaceutical Manufacturers Association of Canada (PMAC), Ottawa, January 14, 1997.

“Pharmaceutical Cost Containment Policies”, presentation to the Patient Access Committee, Pharmaceutical Manufacturers Association of Canada (PMAC), Ottawa, December 12, 1996.

“The Relevance of Outcomes Measurement and Evaluation to Private Sector Employers and Other Third Party Payers”, Disease Management Group, Hoffman-La Roche Limited, Toronto, December 4, 1996.

“How to Assess Outcomes”, Forum 96 Succeeding With Change, Sault St. Marie, November 15, 1996

“How to Assess Asthma Outcomes: Economic and other Evaluation Perspectives”, Disease Management Group, GlaxoWellcome Inc., Mississauga, Ontario, August 1st, 1996.

“Options for Caribbean Regional Co-operation in Health System Reform”, Joint Meeting of Stakeholders and Caribbean Ministers of Health, Christ Church, Barbados, January 22-24, 1996.

“Organization and Financing of the Canadian Health Care System”, Shanghai Health Insurance Delegation, Toronto, January 8, 1996.

"Quality of Life and Cost Utility Analysis", Sandoz Canada Inc., Health Economics Training Program, Montreal, April, 1992.

"Guidelines for the Design and Reporting of Economic Evaluations", Sandoz Canada Inc., Health Economics Training Program, Montreal, April, 1992.

"Organizational Decline in Hospitals", Research Seminar Series, Department of Health Administration, The University of Toronto, April, 1990.

"A Needs Analysis of Nursing Unit Administrators", Meeting of Nurse Managers, The Wellesley Hospital, Toronto, April, 1989.

"Evaluation of a Pulmonary Rehabilitation Program", Research Seminar Series, Department of Community Health Sciences, The University of Calgary, October, 1988.

PROFESSIONAL SERVICE

1. Reviewer

Associate Editor, Journal of World Health & Population (August 2005 – present)

Member, Editorial Board of the Journal of World Health & Population
(October 2005- present)

Member, Editorial Board of the Journal of Health Administration Education
(JHAE; 2003-2007)

Healthcare Papers, Longwoods Publishing, Inc. (2003- present)

Pharmacoeconomics (2000-present)

Health Care Management Science (1998- present)

Chiropractic and Managed Care (June 2001- 2002, Member of Editorial Board)

Caribbean Health Economics Series (1998 - 2002, Member of Editorial Board)

Global Health Research Initiative Teasdale-Corti Grants, Joint program of the International Development Research Centre, Canadian Institutes of Health Research, Canadian International Development Agency and Health Canada, Government of Canada
(January 2006)

International Development Research Centre (IDRC), Government of Canada (January 2004)

Community Outreach Partnership Center New Grants Program (COPC), Department of Housing and Urban Development (HUD, August 2003)

Judge, Annual Graduate Research Fair, UNCC Graduate and Professional Student Government (April 18th, 2003)

Graduate Program Review, Master of Health Sciences (MHS) Program, Department of Health Sciences, Western Carolina University (December 2002)

Social Science and Medicine (2002 - present)

Centers for Disease Control (CDC), Community-Based Participatory Prevention Research (Program Announcement 02003; June 24-26, 2002)

Presbyterian Health Foundation (2001-2002)

College of Medicine Alumni Award, University of Oklahoma (July 2001-2002)

Association of Schools of Public Health/Health Resources Service Administration Internship Program (2000-2001)

Association of Schools of Public Health/Centers for Disease Control(CDC) Public Health Fellowship Program (2000-2001)

Association of Schools of Public Health (ASPH) Public Health System Internship Program (1998)

Public Health Education and Health Promotion Section, American Association of Public Health (1999, Abstracts).

2. *Other*

Chair, International Health Promotion Section, American Public Health Association (APHA) annual meeting, November 1999, Chicago.

HCFA 101: Introduction to the Use of Medicare Data for Research: Basic Workshop in Medicare Administrative Data. Research Data Assistance Center (ResDAC), Minneapolis, Minnesota, August 25-27, 1999.

Faculty Leadership Program Year 2000-01 Leadership Class, University of Oklahoma Health Sciences Center.

Oklahoma Multicultural Leadership Institute, College of Continuing Education, University of Oklahoma, 1999.

COMMITTEE MEMBERSHIPS

1. *Present*

Syracuse University

Dean's Cabinet, College of Human Ecology
Committee of Associate Deans for Research, Campus Wide
Promotion and Tenure Committee, College of Human Ecology

2. *Past*

Syracuse University

Faculty Search Committee, Endowed Chair in Sport Management (December 2008)
Staff Search Committee, Administrative Assistant III for Department of Health and Wellness (June 2009)
Staff Search Committee, College Budget Manager, College of Human Ecology (September. 2008)
Staff Search Committee, Computer Technician I, College of Human Ecology (September. 2008)

University of Memphis

School of Public Health Planning Committee
Curriculum Review Committee for Health Administration MPH and PhD Programs
Curriculum Review Committee for Epidemiology MPH Program
Advisory Board, Center for Community Health

School of Urban Affairs and Public Policy (University of Memphis)

Faculty Executive Committee

University of North Carolina at Charlotte (UNCC)

Faculty Employment Status Committee (Sept. 2005 – Dec. 2006)
Center for Bioinformatics Planning Committee (January to December 2006)

Executive Member of the Health Services Research Academy (2005 – Dec. 2006)
Center for Professional and Applied Ethics (July 2002 – Dec. 2006)
PhD in Public Policy, Health Policy Faculty (July 2002 - Dec. 2006)
Interdisciplinary Health Psychology Faculty (2005- Dec. 2006)
Graduate Student Residence Life (2005- Dec. 2006)
Faculty Research Grants Committee (Sept. 2003- Sept. 2004)
PhD in Health Psychology Planning Committee (Oct. 2003 – Sept. 2005)
Faculty Council Representative (Sept. 2002- 2004)
Academic Affairs Council (Sept. 2002-Sept. 2004)

College of Health and Human Services (UNCC)

Advisory Board Nursing Center for Health Promotion (Oct. 2002- 2005)
Bylaws Committee (Jan. 2005 - Dec. 2005)
Research Advisory Committee (Sept. 2002-Sept. 2003)
PhD in Health Services Research Proposal I (Sept. to Dec. 2002)
PhD in Health Services Research Proposal II (Jan. – Sept. 2003)

Department of Health Administration and Behavior (UNCC)

Curriculum Committee (July 2002 – Dec. 2006)
Faculty Search Committee in Epidemiology (Sept. 2004 to Sept. August 2005).
Faculty Search Committee in Health Administration (Sept. 2005 to December 2006)

University of Oklahoma Health Sciences Center (OUHSC)

Faculty Senate (2000-2002)
Doctor of Public Health (2000-2002)
Discrimination and Harassment Committee, (1999-2002)
Graduate Faculty Appointments Committee, (1999-2002)
By Laws Committee (1999 -2002)
Graduate Council (1999-2003)
Elections Committee (1999-2002)
Faculty Compensation Committee, Graduate Council, (2000-2002).
Search Committee for Associate Vice-Provost for Student Affairs, Office of the
Vice-Provost for Academic Affairs, (September 1997 -July 1998).
Library Advisory Committee, Robert M. Bird Health Sciences Library,
(August 1997 – August 2001).
Faculty Search Committee, College of Pharmacy, (September 1997 -February 1999).

College of Public Health (OUHSC)

Chair, Faculty Board, (2001- 2002).
Doctor of Public Health Admissions Committee, (1999 -2002).
Adhoc Research Committee (Chair), Department of Health Administration and Policy,
(November 1998 – June 2002).
Secretary, Faculty Board, (May 2000 - August2001)

Core Curriculum Review Committee, (2000)
Committee on Indian Health MPH Track, (2000)
Search Committee for Department Chair, Department of Health Administration and Policy, (November 1997 - January 2000)
Adhoc Committee to Review Promotion and Tenure Guidelines, (March 1999 -2001)
Faculty Search Committee, Department of Health Promotion Sciences, (November 1999 - 2000)
Research Committee, (July 1997 -2000)
Strategic Planning Committee for Research, (October1999 - February 2000).
Faculty Search Committee, Department of Health Promotion Sciences, (October 1997 - February 1998).
Reaccreditation Self-Study Task Force (Instructional Programs), (June 1998 – March 1999).
Professional Practice Plan Committee, (July - December 1997).

Department of Health Administration and Policy (OUHSC)
Curriculum Committee (1997-2002)
Research Committee (1999-2002)

Department of Health Administration, University of Toronto
Curriculum Committee (1995-1997)
Research Committee, Hospital Management Research Unit, (1995-1996).
Awards and Fellowships Committee, (1996-1997).
Hiring Committee for MHSc. Program Director, (1996).
Tenure Review Teaching Evaluation Committee, (1996).
MHSc. Admissions Committee, (1995).
MHSc. Admissions Committee, (1993)

Working Group on Economic Analysis in Clinical Trials of the National Cancer Institute of Canada (NCIC) Clinical Trials Group (1997).
Advisory Committee on Cost Analysis of Dialysis Treatments, OrthoBiotech Inc (1996-1997).
Technical Sub-Group of the Hospital Funding Adjustment Factors Working Group, Joint Policy and Planning Committee, Ontario Ministry of Health and Ontario Hospital Association (1995 - 1996).
Steering Committee XIII International Conference on The Social Sciences & Medicine, Organized by the Social Science & Medicine Journal (1994).
Curriculum and Research Committee, Department of Community Health, University of Calgary (1988-1989)

AWARDS/HONORS/CERTIFICATES

A. Sue Kerley Distinguished Nurse Scholar 2003-2004 Research Consultation Award (Team Member), College of Health and Human Services, University of North Carolina at Charlotte.

Master of Ceremony, 2002 College of Public Health Convocation, University of Oklahoma.

Certificate of Completion of the Faculty Leadership Program, University of Oklahoma Health Sciences Center, 2001.

Faculty of the Year (2000-2001), American College of Health Executives, Oklahoma City Student Chapter.

Certificate of Completion of the Multicultural Leadership Program, University of Oklahoma, 1999.

Certificate of Appreciation for Serving as Tutor to Medical Students in Determinants of Health: The Physician in Canada's Health Care System- 1996, Faculty of Medicine, University of Toronto

National Health Ph.D. Fellowship (1991-1993), National Health Research and Development Program (NHRDP), Health and Welfare Canada.

Ontario Graduate Scholarship (1990-1991), Ministry of Colleges and Universities, Ontario, Canada.

Open Doctoral Fellowship (1989-1990), University of Toronto.

Graduate Assistantship (1988), University of Calgary.

Outstanding Student Award (1986), Department of Anthropology, University of Calgary.

COMMUNITY SERVICE

Member, Steering Committee of the Community Indicators Dashboard Project (2007)

Member, Research Committee, Oklahoma State Chiropractic Independent Physicians Association (2001-present).

Member, Carolinas Association for Community Health Equity (CACHE), Charlotte, NC (May 2004 to December 2005).

Member, Steering Committee, Physicians Reach Out, Charlotte, NC (January 2003 – December 2006).

Member, Board of Directors, Metrolina Health Initiative, Charlotte, NC (October 2002-December 2004).

Member, Board of Directors, Greater Charlotte Health Executives Group (January 2003-2005).

Member, Healthcare Economics Taskforce, Bioethics Resource Group, Charlotte, NC (July 2002- 2005).

Member, Council of Public Health Practice Coordinators, Health Resources Service Administration (ASPH/HRSA; October 1999-2002).

Member, Council on Distance Learning, Association of Schools of Public Health (ASPH; November 2001 - 2002).

Member, Obesity Prevention Network, Centers for Disease Control and Prevention (CDC) (September 2000-2004).

Member, Surveillance and Research Committee, Oklahoma Arthritis Network, Oklahoma State Department of Health (August 2000-2002).
Faculty, Oklahoma Public Health Leadership Institute, Oklahoma State Health Department (May 2000-2002).
Treasurer, Board of Directors, Flemingdon Community Health Centre, 1995 - 1997.
Member, Program and Planning Committee, Community Occupational Therapists and Associates (COTA), 1995 - 1997.
Member, Program Research and Employment Services Committees, Ontario March of Dimes (1992).
President and Chair, Board of Directors, Campus Co-operative Residence Inc., 1991 - 1992.
Corporate Secretary, Board of Directors, Campus Co-operative Residence Inc., 1989 - 1990.