

CURRICULUM VITAE

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EDUCATION

Bachelor of Arts (Honors) in Business Administration, University of Western Ontario, 1975.

EMPLOYMENT

2007 – present **President, DataAngel Policy Research Inc.**, a full service policy research firm serving a range of international and national clients with a focus on statistical systems for monitoring education, health and labour market performance.

2006 – 2007 **Advisor, Human Resources in Science and Technology, Statistics Canada**
Responsible for the development and implementation of a data development and research program on human resources in science and technology.

2005 – 2006 **Director, Education Outcomes, UNESCO Institute for Statistics**
Responsible for a global program of adult and student skill assessment to serve a range of national and international policy purposes. The focus of the program is on educational quality and equity with a view to bridging the knowledge-practice gap and in transferring advanced measurement and analytic technology to developing countries.

1999 – 2005 **Director General, Institutions and Social Statistics, Statistics Canada**
Responsible for the management of full range of official statistics related to health, education, culture, tourism and justice. Annual program budgets exceed \$50,000,000 with an associated staff of 400 +. Primarily responsible for strategic direction and negotiation/communication with key stakeholders. Active, with UNESCO, UNSD and OECD, in efforts to improve the validity, reliability and comparability of official statistics at the international level. Currently acting as International Study Director of the International Adult Literacy and Life Skills Survey (ALL), an OECD supported comparative assessment of workforce competencies. Active in bringing coherence and meaning to measures of student and adult achievement.

1997 – 1998 **Director, Culture, Tourism and the Centre for Education Statistics**
Responsible for the management of the Culture, Tourism and the Centre for Education Statistics. The programme of work of the Centre is in the process of being expanded considerably, including the addition of three large scale national longitudinal studies designed to

track transitions and outcomes in the Canadian education system. Managed the second and third rounds of the International Adult Literacy Survey (IALS) study. Played an active role in improving the statistical content of the programme and in building strong institutional links with a range of strategic partners.

1994 – 1997 Director, Special Surveys Division, Labour and Household Surveys Branch, Statistics Canada

Responsible for the management of the Special Surveys Division at Statistics Canada. Division status was granted after annual revenues grew to the order of \$20,000,000. The Division employed 105 professionals. I personally played a crucial role in the design of Canada's first large scale social experiment - the Self-Sufficiency Project (SSP), the design of the National Longitudinal Survey of Children and Youth (NLSCY), the longitudinal Labour Market Activity Study (LMAS). Also acted as International Study Director for the International Adult Literacy Survey (IALS).

1989 – 1993 Assistant Director, Household Surveys Division, Labour and Household Surveys Branch, Statistics Canada

Responsible for the management of the Special Surveys Program at Statistics Canada. The Special Surveys Program serves as the central focus for the design and conduct of social studies which are outside the regular program of surveys. All studies managed under the auspices of the Program are conducted on a cost recovery basis. The Program employed a staff of 40 professionals who collectively fielded approximately \$15,000,000 of studies annually.

1975 – 1989 Project Manager, Household Surveys Division, Labour and Household Surveys Branch, Statistics Canada

Acted as a project manager in the Special Surveys Group. Duties involved managing the activities of an inter-disciplinary project team responsible for the conception, design, implementation and dissemination of ad hoc studies on a cost-recovery basis.

Recent Projects

Recommended a student assessment strategy for the Government of Indonesia on behalf of the World Bank

Recommended an EMIS strategy for the Government of Mongolia on behalf of the Asian Development Bank

Recommended an assessment strategy for the Government of Mongolia on behalf of the Asian Development Bank

Assisted in an evaluation of the UK's Foundation Skills Pilot

Provided economic policy advice on basic skills to the Government of Portugal

Provided instruction on analysis strategies for national assessments to the National Assessment Centre in Pakistan on behalf of the World Bank

Conducted a national assessment of adult literacy in St Lucia

Produced a series of reports exploring literacy markets in Canada

Produced reports profiling the quality of educational output in Qatar

Developed and implemented Rwanda's national primary assessment for primary grades

Developed Sierra Leone's national primary assessment strategy

Developed a suite of web-based assessment and instructional tools for the Government of Canada

Designed and implemented the ACCC's National Framework skill Upgrading Project

Developed an adult skill assessment strategy for CARICOM

Developed assessment instruments for SRDC's Food and Accommodation RCT

Designed a college and adult skill upgrading program for the Oil Sands Developers Group designed to improve the skills of 35,000 residents.

Conducted an analysis of the link between skill and health expenditures for the Public Health Agency of Canada

Conducted an analysis of the link between income support programs and skill for CLLN

Conducted a cost/benefit analysis of Aboriginal literacy markets in Canada

Developed Canada's first Essential Skills "pay for performance" National skill upgrading demonstration pilot

Managed the research aspects of the development of a National Framework for Essential Skills for Canada's college system, focussed on improving sector productivity and subsequent labour market outcomes

Advisory Positions

- Chair, Education Expert Group, Friends of the Chair, UN Statistical Division.
- Consultant to UNESCO - OREALC Laboratorio for the evaluation of educational quality.
- Expert advisor to the OECD strategy for adult skill assessment.
- Consultant to the World Bank and the Asian Development Bank on the design and utilization of educational assessment systems.
- Advisor to the State of Nuevo Leon, Mexico on education policy
- Advisor to UNESCO on the evaluation of the UN Literacy Decade
- Advisor to CARICOM on the development of a regional framework for literacy
- Teach a course for the World Bank on analysis, dissemination and communication strategies for national assessment systems designed to maximize the return on investment

Memberships

- Board of directors, National Adult Literacy Database
- Board of directors, ABC Canada Literacy Foundation
- Member, International Statistics Institute

Professional Interests

My work related to the application of empirical research to matters of public policy has given me a keen interest in the role which data plays in this process and how one goes about maximizing the social return on investment in such studies. This had lead to an involvement in the design of longitudinal studies and in the development of improved data products and services to support their use, including the generation of small area estimates from national studies for use by local practitioners. I am keenly aware of the need for international collaboration in data development and have strong views about appropriate models for facilitating such collaboration.

REFERENCES

Available on request.

INTERNATIONAL STUDIES

The International Adult Literacy Survey (IALS) (1994) (1996) (1998)

The Adult Literacy and Life Skills Survey (ALL) (2003) (2005)

The International Survey of Reading Skills (ISRS) (2005)

The Latin American Laboratorio Student Assessment

The Literacy Assessment and Monitoring Program (LAMP) (2007)

NATIONAL STUDIES IN CANADA

Survey of Smoking Habits (1974)

Survey of Fitness, Physical Recreation and Sport (1976)

The Survey of Fitness, Physical Recreation and Sport in the Northwest Territories

The Postsecondary Student Survey (1979)

The Survey of Job Opportunities (1977 - 1993)

The Labour Market Comparison Survey (1979)

The Current Population Profile (1980)

The Survey of Volunteer Workers (1980)

The Survey of Child Care Arrangements (1981)

The Current Population Profile (1982)

The Survey of 1981 Work History (1982)

The Survey of Union Membership (1984)

The Current Population Profile (1985)

The Labour Market Activity Survey (1986 - 1990)

The Survey of Volunteer Activity (1987)

The National Child Care Survey (1988)

The Survey of Barriers to Advancement in the Public Service (1989)

The Survey of Literacy Skills Used in Daily Activities (1989)*

*co-directed with G. Montigny

METHODOLOGICAL STUDIES

A Test of Volunteer Response of the Canadian Labour Force Survey (1979)

The Labour Force Survey in the Yukon Territory

PUBLICATIONS

T.S. Murray - **“The Measurement of Adult Education”**, Encyclopedia of Education, 2nd Edition, Pergammon Press.

T.S. Murray (1989) - **“Surveying Volunteers: The Canadian Experience”**, in Voluntarism, Non-governmental Organization and Public Policy, Israeli Ministry of Science and Development.

T.S. Murray, S. Michaud, M. Egan and G. Lemaitre (1991) - **“Invisible Seams? The Experience with the Canadian labour Market Activity Survey”**, in Proceedings of the 1991 Annual Research Conference of the U.S. Bureau of Census.

A. Pence, Erickson, Gauthier, Glossop, Lapierre-Adamcyk, Marcil-Gratton and T.S. Murray (1991) - **“National Report - Canada, in Childhood as a Social Phenomenon: A Series of National Reports”**, edited by Bardy, Qvortrup, Sgritta, Wintersberger, European Centre for Social Welfare Policy and Research.

G. Lemaitre, G. Picot and T.S. Murray (1992) - **“Workers on the move: An overview of labour turnover”**, in Perspectives on Labour and Income, Statistics Canada, Summer.

T.S. Murray (1993) - **“Proxy Measurement of Adult Basic Skills: Lessons from Canada”**, OECD Educational Indicators - Network B.

G. Deeker, T.S. Murray and J. Ellison (1993) - **“On Providing Client Support for Machine Readable Data Files, in Statistics Journal of the United Nations Economic Commission for Europe”**, Volume 10, Number 2.

T.S. Murray, A. Tuijnman and S. Jones (1995) - **“Literacy, Economy and Society: Results of the First International Adult Literacy Survey”**, OECD and Statistics Canada.

T.S. Murray and S. Jones (1996) - **“Reading the Future: A Portrait of Literacy in Canada”**, Statistics Canada and Human Resources Development Canada.

T.S. Murray, A. Tuijnman, A. Jones, D. Willms and K. Rubenson (1997) - **“Literacy Skills for the Knowledge Society: Further results of the International Adult Literacy Survey”**, OECD, Statistics Canada and Human Resources Development Canada.

Niece, David and T.S. Murray (1997) - **“Literacy Skills and the Readiness of Adults for Lifelong Learning and Further Education and Training: Trends based on the International Adult Literacy Survey”**.

T.S. Murray and Niece, D. (1997) - **“The International Adult Literacy Survey: An overview of objectives methods, findings and prospects, International Yearbook of Adult Education”**, Band 25; Böttlan, Köln.

T.S. Murray, I. Kirsch and L. Jenkins (1998) - **“Adult Literacy in OECD Countries: Technical Report on the first International Adult Literacy Survey”**, eds, U.S. National Center for Education Statistics.

T.S. Murray, D. Wagner, R. Venezky and B. Street (1999) - **“International Adult Literacy Household Survey Methods”** in **“Literacy: An International Handbook”**, (eds)., Westview Press, Boulder.

T.S. Murray, A. Tuijnman, I. Kirsch and D. Wagner (1999) - **“Proxy Measurement of Adult Basic Skills: Lessons from Canada”** in **“Adult Basic Skills: Innovations in Measurement and Policy Analysis”** (eds.), OECD and National Center for Adult Literacy, University of Pennsylvania, Hampton Press, Cresskill.

T.S. Murray (2002) - **“Measuring Lifelong Learning: Future Needs and Demands from the Producers Perspective in “14th CEIES” Seminar Measuring Lifelong Learning, Eurostat, Luxembourg.**

T.S. Murray (2002) - **“Training Cycles and Skill for New Learning Activities: The Case for**

Portugal” in Cruzamentode Saberes Aprendizagens Sustentáveis, fundação Calouste Gulbenkian, Lisbon. An assessment of the Statistical Indicators derived from United Nations Summit Meetings, Friends of the Chair of the United Nations Statistical Commission, N.Y., N.Y.

T.S. Murray and I. Gal (2003) - **“Preparing for Diversity in clients’ needs and statistics literacy: Institutional and education implications in Journal of Official Statistics”**, Stockholm.

T.S. Murray (2003) - **“The Assessment of Literacy, Numeracy and Language at the International Level”**, U.S. National Academy of Sciences, Washington.

T.S. Murray, D.S. Rychen and L.H. Salganik (2003) - **“Reflections on international competence assessments” in “Key Competencies for a Successful Life and a well-functioning Society”** (eds.), Hogrefe and Huber, Bern.

T. S. Murray and Willms, D. (2007) **Knowledge and Skills for the New Millennium: Results from PISA 2006 for Qatar**, Doha

Grenier, S., Jones, S., Strucker, J. Murray, T.S. Gervais, G. and Brink, S. (2008) **Learning Literacy in Canada: Evidence from the International Survey of Reading Skills**, Statistics Canada, Ottawa

Murray, T.S. (2007) **Maximizing the impact of national assessment systems: a primer**, DataAngel Policy Research for the World Bank, Ottawa

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Murray, T.S. (2008) **Aid modalities for AusAid’s BEP and LAPIS programs: A review and recommendations**, DataAngel Policy Research for AusAid, Ottawa

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185 DOI 10.3233/SJI-2011-0730 IOS Press

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Murray, T.S. and Shillington, Richard (2012) **Understanding the Link Between Health Literacy and Health**, PHAC, Ottawa