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AREAS OF RESEARCH INTEREST AND EXPERTISE

- Economic development, with special focus on human capital accumulation
- Economic demography
- Poverty measurement, monitoring, and policy
- Health-care financing and health-sector reform
- Economics of education and education-sector reform
- Social protection policies

COUNTRY EXPERIENCE

- Bangladesh, India, Maldives, Nepal, Pakistan, Sri Lanka
- Cambodia, China, Indonesia, Lao PDR, Philippines, Thailand, Vietnam
- Eritrea, Ethiopia, Kenya, Malawi, South Africa, Tanzania, Uganda
- Jamaica
- Poland, Russia

EDUCATION

Postdoctoral Research Fellow in economic demography, Yale University, 1980-81
Ph.D. in economics, Stanford University, 1981
Diploma in economics, Cambridge University (U.K.), 1978
B.A. *summa cum laude* in economics, Harvard University, 1977

HONORS, SCHOLARSHIPS, AND AWARDS

Fellow of the American Association for the Advancement of Science, 2007 – present
Robert S. McNamara Fellow, World Bank, 1990-91
Rockefeller Foundation Postdoctoral Research Fellowship, 1980-81
Ford Foundation Award for Dissertation Research, 1979-80
Phi Beta Kappa, Harvard University, 1977

WORK HISTORY*University of California, Riverside (UCR)**July 2003 – present*

- Associate Dean for the Social Sciences, College of Humanities, Arts and Social Sciences, 2008 – present. Responsible for administration, department chair appointments and evaluation, faculty promotion and tenure, new faculty recruitment, and strategic planning for six social science departments and numerous interdisciplinary programs in the College. The social science division includes over 150 faculty members, 40 staff members, and 300 graduate students.
- Professor of Economics, 2003 - present.
- Director, Public Policy Initiative, 2004 - present. Responsible for creating an undergraduate major and minor in public policy in 2006. Led a campus-wide effort to establish a School of Public Policy at UCR, which was approved by the Regents of the University of California in September 2008.
- Member of the Senior Advisory Committee as well as the All-Campus Planning Committee to establish a UC-wide School of Global Health, 2007 – present. The two committees are preparing a proposal to create the first UC-wide, multi-campus professional school that will address major challenges of global health during the 21st century.
- Member, Gould Commission on the Future of the University of California, 2009 – present.
- Member, UC India Initiative. The Initiative is one of four global initiatives by the University of California to partner with universities in China, India, Mexico and Canada in research and training.
- Chair, UCR Senate Committee on Research, 2007-08.
- Interim Dean, Anderson Graduate School of Management (AGSM), 2006-07. Was responsible for all academic, personnel, administrative, and budgetary functions of UCR's business school. Also chaired a campus-wide search committee during the same year to recruit a permanent dean for the School.
- Acting Chair, Department of Sociology, 2005-06. Managed a department of 22 faculty members, and led it successfully out of receivership.
- Director of Graduate Studies, Department of Economics, 2003 - present. Was responsible for overall management of the Department's Ph.D. program having a total of 65 enrolled doctoral students. Responsibilities included admission of students into the program, awarding of assistantships and fellowships, proposing and implementing changes in the graduate curriculum, and advising graduate students on general academic and administrative matters.

*World Bank (India Resident Mission), New Delhi**July 2002 - August 2003*

- Lead Human Development Economist, South Asia Region – based in the World Bank Resident Mission, New Delhi, India. My main responsibility was to prepare analytical studies on the likelihood of the large countries in the region (*viz.*, Bangladesh, India, Pakistan, and Sri Lanka) attaining the Millennium Development Goals by 2015 and what it would take, by way of policy interventions, for them to reach the MDGs. Also provided technical support to various Bank-funded health, nutrition and educational projects in South Asia.

*University of Washington, Seattle**September 1989 – June 2002*

- Professor of Economics and of International Studies, 1996-2002 (on sabbatical during 1995-96). Associate Professor of Economics, 1989-95.

- Chair, South Asia Studies Program, and Director, South Asia Center, Henry M. Jackson School of International Studies, University of Washington, 2001–02.
- Member of the Advisory Board of the Population Leadership Program – a joint program of the Evans School of Public Affairs, the School of Public Health, and the Center for Studies in Demography and Ecology (CSDE) that brought mid-career population and family planning officials from developing countries to UW for leadership training. Also served as mentor to several visiting Population Fellows in this program.
- Member of the Advisory Board of the International Development Certificate Program (IDCP) – a multi-disciplinary graduate certificate program in international development offered by the Evans School of Public Affairs.
- Director of Graduate Studies, University of Washington, 1991-95.
- Faculty Affiliate of the Center for Studies in Demography and Ecology, 1989-2002. Member of the Advisory Board of the Center, 2000-02.
- Faculty Affiliate of the Southeast Asia Studies Program in the Henry M. Jackson School of International Studies, 1989-2002.
- Member of the University Faculty Senate, 1990-91.

World Bank (Regional Mission for Eastern Africa), Nairobi

July 1995 - August 1996

Senior Human Development Economist, Regional Mission for Eastern Africa, Nairobi, Kenya (while on sabbatical leave from the University of Washington). Provided analytical support to various World Bank studies and projects in Eastern Africa, including:

- Design of the Bank's health sector reform project in Kenya, which was a sector investment program that included disease-, region- and population-targeting of public health interventions, development of private health insurance, and decentralization of health services,
- Design and implementation of a project to pilot-test a community rural health insurance scheme in the Iringa region of Tanzania, which was a component of a larger health-sector reform project in Tanzania,
- Development of a monitoring and evaluation (M&E) system for the Early Childhood Education and Nutrition Project in Kenya,
- Design of an M&E system for two education projects in Tanzania — the Community Education Fund and the Girls' Secondary Education Support project,
- Design and formulation of a social-sector strategy for Ethiopia, based on locally-executed and World Bank-assisted studies on the cost and financing of social services,
- Preparation of the Bank's first health sector project in Eritrea, including designing and implementing the first household health survey in that country, and
- Preparation of a project on the cost and financing of primary education in Kenya.

University of Pennsylvania, Philadelphia

1983-89

- Assistant Professor of Economics, 1983-89 (on sabbatical during 1987-88).
- Member of the Graduate Groups in Demography, International Studies, and South Asia Regional Studies
- Research Associate of the Population Studies Center
- Research Associate of the Center for the Analysis of Developing Economies (CADE)
- Affiliate of the Lauder Institute of Management and International Studies, Wharton School of Finance

Harvard University, Cambridge 1987-88

- Visiting Assistant Professor of Economics, 1987-88.
- Visiting Scholar, Center for Population Studies, School of Public Health, 1987-88.

Yale University, New Haven 1981-83

- Research Associate, Economic Growth Center, 1981-83.
- Lecturer of Economics, 1981-83.

HONORARY POSITIONS

Honorary Research Associate, National Council of Applied Economics Research (NCAER), New Delhi, India, 1996-98.

Honorary Research Associate, *Lembaga Demografi* (Demographic Institute), University of Indonesia, 1990-92.

Honorary Research Associate, Department of Economics and Statistics, RAND Corporation, 1991-95.

PUBLICATIONS

“The Determinants of Child Weight and Height in Sri Lanka: A Quantile Regression Approach” (with D.H.C. Aturupane and Dileni Gunawardene), in Indranil Dutta and Mark McGillivray, eds., *Health Inequality and Deprivation*, Palgrave Macmillan for WIDER, forthcoming.

“Health Care and Family in Vietnam,” in Danièle Bélanger and Magali Barbieri, eds., *Reconfiguring Families in Vietnam*, Stanford University Press, 2009.

“Human Development in India: Past Trends and Future Challenges,” in Raghendra Jha, ed., *The Indian Economy Sixty Years After Independence*, Palgrave Macmillan, 2008.

“Financing Health Improvements in India” (with Dean Jamison, Prabhat Jha, and Ramanan Laxminarayan), *Health Affairs* 27(4), June 2008, pp. 978-990.

“The Institutional Context of Fertility in Madhya Pradesh, India” (with Alok Ranjan), *Demography India* 36(1), 2007: 55-71.

“National Sample Survey (India)” (with Amaresh Dubey), in William Darity, ed., *International Encyclopedia of the Social Sciences*, 2nd edition (Volume 2), Macmillan Reference USA, Detroit, 2007.

“What Really Happened to Thai Wage Rates during the 1997 Financial Crisis?” (with Jere R. Behrman and Pranee Tinakorn) in Lawrence R. Klein and Tayyeb Shabbir, eds., *Recent Currency Crises: Analysis, Challenges and Implications*, Edward Elgar Publishing, 2007.

“Bangladesh’s Progress on the Millennium Development Goals: Issues and Challenges,” in Sadiq Ahmed, editor, *Transforming Bangladesh into a Middle Income Economy*, Palgrave Macmillan, 2006.

Attaining the Millennium Development Goals in India: Reducing Infant Mortality, Child Malnutrition, Gender Disparities and Hunger-Poverty and Increasing School Enrollment and Completion? Oxford University Press, New Delhi, 2005.

“The Millennium Development Goals for India: How Attainable?” in Raghendra Jha, ed., *Economic Growth, Economic Performance and Welfare in South Asia*, Palgrave Macmillan, 2005.

Edited a special issue of the *Journal of Developing Societies* 21(1-2), March-June 2005 (“A Forum for Developmental Issues: Special Issue on Bangladesh”).

“Poverty and Child Malnutrition in Bangladesh,” *Journal of Developing Societies* 21(1-2), March-June 2005.

Poverty, Growth, And Safety Nets: A Comparative Regional Perspective, De Sitter Publications, 2005.

“Tobacco Initiation, Cessation and Change: Evidence from Vietnam” (with Ramanan Laxminarayan), *Health Economics* 13(12), 2004.

“Health Insurance and Treatment-Seeking Behaviour: Evidence from a Low-Income Country” (with Matthew Jowett and Peter Martinsson), *Health Economics* 13, 2004: 845-857.

“Economies of Scale and Scope in Vietnamese Hospitals” (with Marcia Weaver), *Social Science and Medicine* 59, 2004: 199-208.

“The Role of Decentralization in Promoting Effective Schooling in Developing Asia” (with Jere R. Behrman and Lee-Ying Soon), *Asian Development Review* 20(1), 2003.

Poverty, Growth and the Role of Institutions in Asia (edited jointly with Ernesto Pernia), Palgrave Macmillan, London, 2003.

“Poverty Reduction: Approaches and the Role of Political Institutions” (with Ernesto Pernia), in Ernesto Pernia and Anil Deolalikar, eds., *Poverty, Growth and the Role of Institutions in Asia*, Palgrave Macmillan, London, 2003.

“Poverty, Growth, and Inequality in Thailand,” in Ernesto Pernia and Anil Deolalikar, eds., *Poverty, Growth and the Role of Institutions in Asia*, Palgrave Macmillan, London, 2003.

Edited a special issue of the *Journal of Asian and African Studies* on “Poverty, Growth and Safety Nets: a Comparative Regional Perspective,” Vol. 37(2), July 2002.

“Access to Health Services by the Poor and the Non-Poor: The Case of Vietnam,” *Journal of Asian and African Studies* 37(2), July 2002: 244-261.

“The Health and Medical Sector in India: Potential Reforms and Problems” (with Prem S. Vashishtha), in S. Kahkonen and A. Lanyi, eds., *Institutions, Incentives and Economic Reforms in India*, Sage Publications, New Delhi, 2000.

“Socioeconomic Development in Cambodia,” in David Sloper, ed., *Higher Education in Cambodia: The Social and Educational Context for Reconstruction*, UNESCO, 1999.

- “Increasing School Quantity versus Quality in a Less-Developed Country: Impact on Children from Low- and High-Income Households,” *Journal of Policy Reform*, Volume 2, 1998: 223-246.
- “Gender and Savings in Rural India” (with Elaina Rose), *Journal of Population Economics*, 11(4), 1998: 453-470.
- “The Demand for Dowries and Bride Characteristics in Marriage: Empirical Estimates for Rural South-Central India” (with Vijayendra Rao), in Ratna Sudarshan, ed., *Gender, Population and Development*, New Delhi: Oxford University Press, 1998.
- “The Demand for Health Services in Indonesia: The Role of Prices, Service Quality, and Reporting of Illnesses,” in Aman Ullah and David E.A. Giles, eds., *Handbook of Applied Economic Statistics*, New York: Marcel Dekker, Inc., 1997.
- “Competitiveness and Human Resource Development in Asia” (with Rana Hasan, Haider Khan and M.G. Quibria), *Asian Development Review* 15(2): 131-163, 1997.
- “Child Nutrition and Child Growth in Kenya: Socioeconomic Determinants,” *Journal of International Development* 8(3), 1996: 375-393.
- “Special Employment Programs and Poverty Alleviation,” *Asian Development Review* 13(2), 1995.
- “Government Health Spending in Indonesia: Impacts on Children in Different Economic Groups” in D. van de Walle and K. Nead, editors, *Public Spending and the Poor: Theory and Evidence*, Baltimore: The John Hopkins University Press (for the World Bank), 1995.
- “Marriage Markets, Labor Markets and Unobserved Human Capital: An Empirical Exploration for South-Central India” (with Jere Behrman and Nancy Birdsall), *Economic Development and Cultural Change* 43(3), April 1995: 585-602.
- “Are There Differential Returns to Schooling by Gender? The Case of Indonesian Labor Markets” (with Jere R. Behrman), *Oxford Bulletin of Economics and Statistics* 57(1), February 1995: 97-118.
- “The Demand for Inputs and the Supply of Output in Pakistan: Estimating a Fixed-Effects, Distributed-Lag Model for Wheat Farmers” (with Stephen A. Vosti), *Pakistan Development Review* 32(4), Winter 1993: 751-766.
- “Population Growth and Economic Development Revisited with Reference to Asia” (with S.C. Jha and E.M. Pernia), *Asian Development Review* 11(2), 1993: 1-46.
- “Persistent, Expected and Innate Poverty: Estimates for Semi-arid Rural South India, 1975-84” (with Raghav Gaiha), *Cambridge Journal of Economics* 17, December 1993: 409-421.
- “The Intrahousehold Distribution of Market Labour Supply in Rural South India” (with Jere R. Behrman), *Oxford Bulletin of Economics and Statistics* 55:4, November 1993: 409-420.
- “Gender Differences in the Returns to Schooling and in Schooling Enrollments in Indonesia,” *Journal of Human Resources* 28(4), Fall 1993: 899-932.

- “Unobserved Household and Community Heterogeneity and the Labor Market Impact of Schooling: A Case Study for Indonesia,” (with Jere R. Behrman), *Economic Development and Cultural Change* 41(3) (April 1993): 462-488.
- “School Repetition, Dropouts and the Returns to School: The Case of Indonesia,” (with Jere R. Behrman), *Oxford Bulletin of Economics and Statistics* 53:4 (November 1991): 467-480.
- “Health, Nutrition and Mortality in India,” in Subroto Roy and William E. James, eds., *Modern Political Economy of India*, New Delhi: Sage Publications, for The Hawaii Studies in Political Economy, 1991.
- “The Impact of Macroeconomic Adjustment on the Poor and on the Social Sectors: The Analytical Basis, Empirical Evidence, and a Case Comparison” (with Jere R. Behrman), *The World Bank Economic Review*, May 1991.
- “The Intrahousehold Demand for Nutrients: Individual Estimates, Fixed Effects and Permanent Income” (with Jere R. Behrman), *The Journal of Human Resources*, Winter 1991.
- “The Impact of Bequests on Lifetime Wealth Accumulation: A Study of Two Generations of Rural Indian Households” (with R. P. Singh), *The Review of Income and Wealth*, December 1990.
- “Health, Nutrition and Macroeconomic Adjustment with a Human Face: The Analytical Basis for the UNICEF Advocacy and a Case Comparison” (with Jere R. Behrman), in John Caldwell, ed., *Social, Cultural and Behavioural Factors Affecting Health*, Canberra: Australian National University Press, 1990.
- “Private Inventive Activity in Indian Manufacturing: Its Extent and Determinants” (with Robert E. Evenson), in Robert E. Evenson and Gustav Ranis, eds., *Science and Technology Policy: Lessons for Development*, Boulder, Colorado: Westview Press, 1990.
- “... of the Fittest? Duration of Survival of Manufacturing Establishments in Indonesia” (with Jere R. Behrman), *The Journal of Industrial Economics*, 38 (2): 215-226, December 1989.
- “Is Variety the Spice of Life? Implications for Calorie Responses to Income” (with Jere R. Behrman), *The Review of Economics and Statistics*, November 1989.
- “Technology Production and Technology Purchase in Indian Industry: An Econometric Analysis” (with Robert Evenson), *The Review of Economics and Statistics*, November 1989.
- “Patenting by Manufacturing Firms in India: Its Production and Impact” (with Lars-Hendrik Roller), *The Journal of Industrial Economics*, Vol. 37(3), March 1989.
- “Seasonal Demands for Nutrient Intakes and Health Status in Rural South India” (with Jere R. Behrman), in David Sahn, ed., *Seasonal Variability in Third World Agriculture: Consequences for Food Security*, Baltimore: Johns Hopkins University Press, 1989.
- “Agricultural Wages in Rural India: The Role of Health, Nutrition, and Seasonality” (with Jere R. Behrman), in David Sahn, ed., *Seasonal Variability in Third World Agriculture: Consequences for Food Security*, Baltimore: Johns Hopkins University Press, 1989.

- “The Relationship between Nutrition and Income,” in Gunter Steinmann, ed., *Probleme und Chancen demographischer Entwicklung in der Dritten Welt*, Heidelberg-New York: Springer (Studies in Contemporary Economics Series), 1989.
- “Technology Choice, Adaptation, and Diffusion in Privately- and State-owned Enterprises in India” (with A. K. Sundaram), in Jeffrey James, ed., *The Technological Behaviour of Public Enterprises in Developing Countries*, London: Routledge, 1989.
- “Health and Nutrition” (with Jere R. Behrman), in Hollis Chenery and T. N. Srinivasan, eds., *Handbook of Development Economics*, Volume 1, North Holland: Elsevier Science Publishers B.V., 1988.
- “Nutrients: Impacts and Determinants” (with Jere R. Behrman and Barbara L. Wolfe), *The World Bank Economic Review* 1(7), September 1988.
- “Nutrition and Labor Productivity in Agriculture: Wage Equation and Farm Production Function Estimates for Rural India,” *The Review of Economics and Statistics* 70(3), August 1988.
- “A Test of Heterogeneity of Family and Hired Labour in Asian Agriculture” (with Wim P. Vijverberg), *Oxford Bulletin of Economics and Statistics*, 49(3), August 1987.
- “Will Developing Country Nutrition Improve with Income? A Case Study for Rural South India” (with Jere R. Behrman), *Journal of Political Economy* 95(3), May 1987.
- “The Heterogeneity of Family and Hired Labor in Agricultural Production: A Test Using District-Level Data from India” (with Wim P. Vijverberg), *Journal of Economic Development* 8(2), December 1983.
- “The Inverse Relationship between Productivity and Farm Size: A Test Using Regional Data from India,” *American Journal of Agricultural Economics* 63(2), May 1981.

PUBLISHED REPORTS

- Social Risks and Responses in Thailand: Analysis of Household and Individual Survey Information.* Report prepared for the Ministry of Labour and Social Protection, Royal Thai Government, Bangkok, December 2005.
- Attaining the Millennium Development Goals in Pakistan: How Likely and What Will It Take?* Report published for the South Asia Human Development Division (SASHD), World Bank, 2005.
- Attaining the Millennium Development Goals in Sri Lanka: How Likely and What Will It Take?* Report published for the South Asia Human Development Division (SASHD), World Bank, 2005.
- Attaining the Millennium Development Goals in Bangladesh: How Likely and What Will It Take?* Report published for the South Asia Human Development Division (SASHD), World Bank, 2005.
- Attaining the Millennium Development Goals in India: How Likely and What Will It Take?* Report published for the South Asia Human Development Division (SASHD), World Bank, 2004.

- Pro-Poor Growth and Institutional Constraints to Poverty Reduction in Asian Developing Countries* (with Alex B. Brillantes, Jr., Raghav Gaiha, Ernesto M. Pernia, and Mary Racelis), Economic Development and Research Center, Asian Development Bank, Manila, October 2001 (mimeo).
- Poverty after the Crisis: Thailand's Resurgent Challenge*, Social Monitor 6, World Bank Thailand Office, Bangkok, August 2001.
- Growing Healthy: A Review of Vietnam's Health Sector*, Report No. 22210-VN, Human Development Sector Unit, East Asia and Pacific Region, The World Bank, June 2001.
- Thai Workers and the Crisis: Social Monitor 4*, World Bank Thailand Office, Bangkok, July 2000.
- Children and Employment: Cambodia Human Development Report 2000*, United Nations Development Program (UNDP), Phnom Penh, Cambodia, 2000.
- The Role of Education Decentralization in Promoting Effective Schooling in Selected Developing Countries in Asia* (with Jere R. Behrman and Soon Lee Ying), Economic Research and Development Center Working Paper, Asian Development Bank, Manila, June 2000.
- Primary And Secondary Education In Kenya: A Sector Review*, Human Development Sector Unit, Eastern Africa Region, The World Bank, February 1999 (mimeo).
- Village Economy and Development: Cambodia Human Development Report 1999*, United Nations Development Program (UNDP), Phnom Penh, Cambodia, 1999.
- Women's Role in Development: Cambodia Human Development Report 1998*, United Nations Development Program (UNDP), Phnom Penh, Cambodia, 1998.
- Poverty and Human Development: Cambodia Human Development Report 1997*, United Nations Development Program (UNDP), Phnom Penh, Cambodia, 1997.
- Viet Nam: Population, Health and Nutrition Sector Review*, Report No. 10289-VN, Country Department I, East Asia Regional Office, The World Bank, October 1992.
- “Rural Employment Creation in India and Nepal,” in *Rural Employment Creation in Asia and the Pacific*, Papers and Proceedings of the ADB/ILO Workshop on Rural Employment Creation, Manila, March 1987.
- “A Comparison of Rural Employment Creation Policies in Bangladesh, Indonesia, Pakistan, and Sri Lanka” (with Q. K. Ahmad, B. Hewavitharana, A. M. Khan and Mubyarto), in *Rural Employment Creation in Asia and the Pacific*, Papers and Proceedings of the ADB/ILO Workshop on Rural Employment Creation, Manila, March 1987.

SELECTED POLICY AND CONSULTING EXPERIENCE

Over 25 years of experience in working with a number of governments and international development organizations in the areas of social policy, poverty assessment, monitoring and evaluation of projects, health and education sector reform, and science and technology policy in less-developed countries. Some recent projects are listed below.

Impact of Market-Oriented Reforms on Poverty and Human Development in India, Indonesia and the Philippines (2007-09). Lead consultant on an Asian Development Bank (ADB) project “Measurement and Policy Analysis for Poverty Reduction.” Responsible for developing overall research strategy and working with local consultants in the three countries on measuring the effect of specific reform policies on human development outcomes, including poverty, health and education.

Accountability and Transparency in Public Spending (2006-08). Participating in a Brookings Institution project on “Accountability, Transparency and Management of Public Expenditure in Developing Countries.” Analyzing the role of civil-society and non-government organizations in monitoring government expenditures and promoting transparency, accountability and efficiency in public spending.

Local Government Finance in China (2005). Presented a seminar and a series of four lectures on “Local Government Finance in China: Lessons from Other Countries” at the Research Institute for Fiscal Science, Ministry of Finance, People’s Republic of China, on October 31 – November 4, 2005. The seminar and lectures were attended by individuals in government and academia.

Social Risks and Responses in Thailand (2004-05). Prepared a report and presented a workshop for the Ministry of Labour and Social Protection, Royal Thai Government. Using data from socioeconomic and labor force surveys over a 15-year period, I identified the population groups in Thailand that are vulnerable to economic and other shocks that can thrust them into poverty. The report analyzed the sources of this vulnerability and evaluated how well the different social assistance programs in Thailand target the vulnerable population and address their vulnerability.

Attaining the Millennium Development Goals in South Asia (2002-05). While based at the World Bank’s New Delhi office during 2002-03, I initiated a major research project on how likely the South Asian countries (India, Bangladesh, Pakistan, and Sri Lanka) were to attain the millennium development goals or MDGs – a set of numerical goals for several social indicators, agreed to by the international community – by 2015 and what it would take to attain these goals. The study consisted of using household survey data from each of the countries to estimate econometric models of poverty, infant mortality, child malnutrition, child schooling and gender disparity determination, and then using these models to simulate the likely trajectory of these variables from 2002 to 2015 under alternative policy scenarios.

Unemployment Insurance in Thailand (2002). I assisted the World Bank Thailand Office in conducting a research study to determine the economic feasibility as well as the distributional implications of a proposed unemployment insurance scheme. The study consisted of developing and running simulation models using unit record data from the Thailand Labor Force Surveys over the period 1990-2000.

Social, Cultural and Institutional Factors Affecting Poverty Reduction in Asia (2000-01). I was the team leader and lead consultant for an Asian Development Bank-sponsored study on the social, cultural and institutional factors affecting poverty reduction in eight developing countries – Bangladesh, Laos, Pakistan, Philippines, South Korea, Taiwan, Thailand, and Vietnam. The study team, which included anthropologists, economists, political scientists and governance specialists, drew upon primary and secondary data from the eight countries. The ADB will be publishing a monograph containing the study reports.

Social Protection and the Thai Economic Crisis (1999-2001). I assisted the World Bank Thailand Office in conducting studies to evaluate the socioeconomic impact of the 1997-98 economic crisis on Thai households and to determine how more aggressive social protection policies, such as unemployment assistance, rural public works projects, worker retraining schemes, and student loan programs, could have lessened the adverse income and poverty impacts of the crisis on households. The exercise drew heavily on household survey data collected before and after the crisis. The work was done in collaboration with the NESDB, the Thailand Development Research Institute, and the National Statistical Office of Thailand.

National Human Development Reports for Cambodia (1997-2000). I have assisted the United Nations Development Program and the Government of Cambodia (Ministry of Planning) in the annual preparation of four national human development reports (NHDRs) for Cambodia. The first of these reports (1997) was on poverty and human development, the second (1998) on women in Cambodia's development, the third (1999) on Cambodia's villages, and the fourth (2000) on child labor. All of the NHDRs used household survey and other data to describe the state of human development in the country and to emphasize priority areas for policy intervention.

Health-Sector Reform and Equity in Health Care in Vietnam (1998-2000). I worked with three government ministries (Ministry of Health, Ministry of Finance, and Ministry of Planning and Investment), six bilateral and multilateral donors, and a number of NGOs to prepare and draft a comprehensive health-sector review for Vietnam. The review, which was based on analysis of data from household longitudinal surveys, health facility surveys, and time-series data on provincial public spending, will ultimately form the basis of a sector investment plan for the Vietnam health sector. This work was carried out under the auspices of the World Bank with funds from Sida, AusAID and the Royal Netherlands Embassy.

Decentralization of Education in Three Asian Countries (1999). I assisted the Asian Development Bank in a study on the potential for decentralization of management and spending authority in the education sectors of three countries in Asia -- Bangladesh, Indonesia and the Philippines. The study was based on the experience of education decentralization in other countries, including the United States and countries in Latin America.

Building National Capacity in the Use of Household Socioeconomic Surveys for Poverty and Policy Analysis in Cambodia (1996-2000). I assisted the Government of Cambodia (Ministry of Planning) in designing a long-term poverty monitoring and analysis program that involved regular collection of household survey data on consumption, income, employment and social indicators, and analysis of these data to measure the magnitude of poverty, trends in poverty over time, and the impact of policy interventions and macroeconomic shocks on the poor. National capacity building in information-based policy analysis is a strong component of the

program. (The program was funded by the United Nations Development Program and SIDA and executed by the World Bank.)

Analysis of Public Expenditure (1998-2000). I have participated in two separate public expenditure reviews (PERs) led by the World Bank. The first of these was for Cambodia (1998), and my specific tasks were to analyze patterns and trends in social-sector spending and to examine the distributional and efficiency impacts of health- and education-sector financing. For the second PER on Vietnam (2000), I contributed a chapter on issues in public spending on health.

Poverty Assessments in Cambodia, Laos, Philippines and South Africa (1994-99). Over the years, I have participated in four separate poverty assessments led by the World Bank in these countries. These assessments typically involve: defining the relevant poverty lines based on nutritional and other considerations, measuring the magnitude of poverty and changes in poverty over time, assessing the access of the poor to social services, developing targeting indicators for identifying the poor, and discussing policy options to alleviate poverty and improve the access of the poor to social services.

In addition, a sample of other short policy assignments in which I have participated in the past are listed below. These highlight the range of my professional interests.

- Resource person for two training workshops on “Poverty Monitoring and Millennium Development Goals in Bangladesh” conducted jointly by the World Bank Institute and the Bangladesh Institute of Development Studies, June and December 2005.
- Resource person for a training workshop on “Poverty Monitoring and Millennium Development Goals in Pakistan” conducted jointly by the World Bank Institute and the Pakistan Institute of Development Economics, April 12-14, 2005.
- Co-chair and session rapporteur at the International Conference on “Poverty Alleviation, Migration, and Urbanization: Ho Chi Minh City in Comparative Perspectives” held jointly by the Southern Institute of Social Sciences, HCM City, and the Social Science Research Council (SSRC), New York, in February 2004.
- Resource person and co-organizer of an international conference on “Role of Institutions in Poverty Reduction” held at the Asian Development Bank, Manila, Philippines, October 2001.
- Resource person for a global UNDP retreat on national human development reports, Beirut, June 2001.
- Resource person on “Human Resource Development and International Competitiveness in Asia” for the 1998 Asian Development Outlook (ADO) published by the Asian Development Bank, Manila. Drafted one of two chapters that formed the focus of the 1998 ADO published in May 1998.

- Sole author of a comprehensive sector review of primary and secondary education in Kenya for the World Bank (1998). The report was used as the basis for discussions on education-sector reform between the Government of Kenya and the World Bank.
- Consultant to the UNDP-Cambodia on the preparation of the first Common Country Assessment (CCA) for that country (1997-98). The CCA forms the basis for joint programming of all activities undertaken by U.N. agencies in a country.
- Lead consultant to the World Bank (1995-96) on health-sector reform projects in Kenya and Tanzania.
- Member of a World Bank team that prepared a social sector strategy for Ethiopia, 1996.
- Consultant to the World Bank (1995-96) on the design and implementation of a monitoring and evaluation system for the Early Childhood Development and Child Nutrition Project in Kenya.
- Member of a 4-person team that participated in a series of training workshops on poverty measurement and poverty policy in South Africa in August 1994. The workshops were organized by the Poverty Policy and Research Department of the World Bank.
- Member of a World Bank team that prepared one of the first *Country Economic Memorandum* for Vietnam in 1993 (I was responsible for drafting the chapter on ‘Human Resource Development’).
- Participated in an Asian Development Bank research project on “Population Growth in Asia: Trends and Implications for Economic Growth, Ecology and Poverty,” June 1993.
- Consultant to the Asian Development Bank (1993) on a technical assistance (TA) or study on the cost and financing of social services in Bangladesh.
- Participated in a 3-day training workshop in Seoul, Korea, for senior government officials from the South Asian countries on “Investing in the Human Capital of Women.” The workshop was jointly sponsored by the Economic Development Institute of the World Bank and the Korean Development Institute in March 1993.
- Member of a UNDP-Vietnam team that prepared the background report on Vietnam for the Conference of Donors to be held in Hanoi, November 1993. I drafted the chapter on population, health, and nutrition problems in Vietnam.
- Worked on an International Food Policy Research Institute (IFPRI) research project on the demand for labor and for modern inputs in Pakistan agriculture, 1991-92.
- Undertook a data-based assessment of the impact of macroeconomic stabilization and adjustment programs in Jamaica on health, nutrition and other welfare indicators, for the Operations Evaluation Department of the World Bank, 1988.

- Industry adviser to BAPPENAS (Planning Commission), Government of Indonesia, on employment demand in the Indonesian manufacturing sector, 1988.
- Visiting Scientist, International Rice Research Institute (IRRI), Los Banos, Philippines, January-March 1988.
- Visiting Scientist, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad, India, during the summers of 1983-86.
- Consultant to the International Labour Organisation (ILO), Geneva, on the technological dimension of public enterprises in India, 1983-84.

REFEREEING AND OTHER PROFESSIONAL ACTIVITIES

Refereeing for *American Economic Review*, *American Journal of Agricultural Economics*, *Economic Development and Cultural Change*, *Demography*, *Economic Journal*, *International Economic Review*, *Journal of African Economies*, *Journal of Development Economics*, *Journal of Econometrics*, *Journal of Human Resources*, *Journal of Policy Reform*, *Journal of Political Economy*, *Journal of Public Economics*, *Oxford Bulletin of Economics and Statistics*, *Oxford Economic Papers*, *Quarterly Journal of Economics*, *Review of Economics and Statistics*, *World Bank Economic Review*, and *World Development*.

Co-Editor, *Journal of Developing Societies*.

Co-Editor, *Journal of Asian and African Studies*.

Team task leader, World Bank's research project on "Attaining the Millennium Development Goals in South Asia," 2002-03.

Deputy Editor, *Demography*, 1984-87.

Referee (on grant proposals) for the National Science Foundation.

Have served on several National Institutes of Health (NIH) scientific review committees for evaluating grant proposals.

Adviser and consultant to Social Science Research Council, New York, on research capacity building and curriculum development in the social sciences in developing countries, 1998-present.

Have served on the National Screening Committee of the Fulbright-Hayes Program for U.S. Graduate Students, 2007 – present.

Task manager, World Bank's Health Sector Reform Project, Kenya, 1996-97.

Task manager, World Bank's Population, Health and Nutrition Sector Review, Vietnam, 1991-92.

RESEARCH GRANTS AND PROJECTS

- National Science Foundation (Human and Social Dynamics Group): “Measuring Social Value-at-Risk: Southern California as a Natural Laboratory,” 2005-06 (with Gloria Gonzalez-Rivera and Prasanta Pattanaik).
- California Native Indians Gaming Association: “An Impact Analysis of California Indian Gaming,” 2005 (with Joel Martin).
- BASIS Collaborative Research Support Program: “Regional Diversity in Pathways out of Rural Poverty in Brazil,” 2004-07.
- Mellon Foundation: “Contextual Variables Affecting Reproductive Health and Fertility in Madhya Pradesh, India,” University of Washington, 1999.
- Hewlett Foundation: “Female Empowerment and Reproductive Health in Urban India,” University of Washington, Summer 1998.
- Royalty Research Fund: “The Economic Impact on Bride and Groom Households of Dowry Transactions in Marriages in Rural India,” University of Washington, 1994-95.
- National Institutes of Health (NIH): “The Effects of Health-Care Prices and Quality on Utilization and Health Outcomes in Indonesia,” The RAND Corporation, 1991-96 (with Paul Gertler, Glenn Melnick, John Strauss, and D. Wirakartakusumah).
- The World Bank: “Determinants of Nutritional and Health Outcomes in Indonesia and Implications for Health Policy Reforms,” World Bank Research Committee, 1990-92 (with Jeff Hammer and Martin Ravallion).
- Robert S. McNamara Fellowship: “The Life Cycle Pattern of Intrahousehold and Labor Market Gender Discrimination in Indonesia,” The World Bank, 1990-91.
- Graduate School Research Fund: “Impact of Macroeconomic Adjustment on the Health Sector in Indonesia,” University of Washington, 1990-91.
- National Institutes of Health: “Family Effects on Child Development,” University of Pennsylvania, 1988-90 (with Robert Pollak, Jere Behrman, and Paul Taubman).
- University Research Foundation: “Dynamics of Income and Social Mobility in Rural India,” University of Pennsylvania, 1987-88.
- National Institutes of Health: “A Comparative Study of Health, Morbidity, and Mortality,” University of Pennsylvania, 1986-89 (with Jere Behrman).
- World Institute of Development Economics Research (WIDER), Helsinki: “On the Measurement of Permanent Poverty in Rural India,” University of Pennsylvania, 1985-86 (with Raghav Gaiha).

University Research Fund: “Contextual Determinants of Fertility in Rural India,” University of Pennsylvania, 1985-87.

The Population Council, New York: “Fertility and Family Structure in Rural India,” University of Pennsylvania, 1983-86 (with Jere Behrman and Robert Pollak).

National Science Foundation: “Technology Choice and Innovation in Asia,” Yale University, 1981-83 (with Robert Evenson, John Fei, and Gustav Ranis).

Rockefeller Foundation: “Determinants of and Interrelationships between Fertility, Mortality, and Economic Development in Gujarat, India,” Harvard University, 1982-83 (with Robert Repetto).