

**CURRICULUM VITAE**  
**DAVID E. BLOOM**

**June 2009**

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**PRESENT POSITION**

Clarence James Gamble Professor of Economics and Demography  
Chair, Department of Global Health and Population (since September 2001)  
School of Public Health  
Harvard University  
665 Huntington Avenue, Boston, Massachusetts 02115, USA  
telephone: (+1) 617-432-0866  
fax: (+1) 781-899-4212  
email: [dbloom@hsph.harvard.edu](mailto:dbloom@hsph.harvard.edu) (work)  
email: [debloom1@aol.com](mailto:debloom1@aol.com) (personal)

**PREVIOUS POSITIONS**

*Harvard University, Harvard Institute for International Development*  
Deputy Director, July 1996–June 1999  
Acting Executive Director, July 1995–June 1996  
Director of the Education and Social Development Group, July 1998–June 1999

*Harvard University, School of Public Health*  
Professor of Economics and Demography, July 1999–  
Professor of Population and Health Economics, July 1996–June 1999

*Columbia University, Department of Economics*  
Chairman, July 1990–December 1993  
Professor of Economics, July 1987–June 1996

*Russell Sage Foundation*  
Scholar-in-Residence, 1989–1990 academic year

*Harvard University, Department of Economics*  
Visiting Professor of Economics, July 1987–March 1988  
Paul Sack Associate Professor of Political Economy, July 1985–June 1987  
Assistant Professor of Economics, July 1982–June 1985

*Carnegie-Mellon University, School of Urban and Public Affairs*  
Assistant Professor of Economics, September 1980–June 1982

## PROFESSIONAL EXPERIENCE

- Chair, Global Agenda Council on “Demographic Shifts”, World Economic Forum, 2008-2009.
- Faculty Associate, Weatherhead Center for International Affairs, 2009- .
- Member, Global Agenda Council on “Chronic Disease and Malnutrition”, World Economic Forum, 2008-2009.
- Member, Global Agenda Council on “Health Systems”, World Economic Forum, 2008-2009.
- Director, Harvard University Program on Global Demography of Aging (since September 2004)
- Member, amfAR Board of Trustees, Adjunct Trustee (since September 2005)
- Member, amfAR Board of Directors (June 2000–September 2005); Co-chair of Public Policy Committee
- Member, amfAR Program Board, Chair of Public Policy Committee (since September 2005)
- Member, Book Review Board, *Science* (since January 2000)
- Member, Steering Committee, Harvard Center for International Development (July 1998–June 2002).
- Faculty Associate, Harvard Center for International Development (since July 2002).
- Faculty Fellow, Environmental Economics Program, Center for Business and Government, Kennedy School of Government (since October 2000)
- Faculty Fellow, Center for Population and Development Studies, Harvard University (since 1996)
- Faculty Fellow, Harvard Institute for International Development, Harvard University (1996–2000)
- Member, Advisory Board of the World Demographic Association (since November 2006)
- Member, UNAIDS Reference Group on Economics (since October 2000)
- Study Co-Director and Head of Secretariat, Task Force on Higher Education (1998–2000)
- Member, Nominating Committee, American Economic Association (1994–1995)
- Member, Board of Reviewing Editors, *Science* (August 1991–December 1999)
- Member, Science Advisory Panel, Alan Guttmacher Institute (1987–1990)
- Contributing Editor, *American Demographics* (1986–1990)
- Associate Editor, *Review of Economics and Statistics* (1986–1992)
- Faculty Research Associate, National Bureau of Economic Research, Labor Studies Program (since September 1985); Aging Program; Health Economics Program
- Faculty Research Fellow, National Bureau of Economic Research, Labor Studies Program (September 1982–August 1985)
- Consulting: National Academy of Sciences Committee on Population (Panel on Population Growth and Economic Development); National Academy of Sciences Committee on Science, Engineering, and Public Policy (Panel on Technology and Employment); World Health Organization; Inter-American Development Bank; Asian Development Bank Institute; UN Conference on Trade and Development; Ministry of Finance and Ministry of Education, Government of Indonesia (with Harvard Institute for International Development Advisory Group); IBM; Shearson, Lehman, Hutton; Xerox Corporation; Burlington Air Express; USAIR; World Bank (*World Development Report 1992*; *World Development Report 1993*; *World Development Report 1999*; *World Development Report 2000*; Environment and Poverty Division); United Nations Development Programme (*Social and Economic Implications of*

*HIV/AIDS in Asia and the Pacific; Human Development Report 2001*); Chemical Bank; Asian Development Bank; Research Office of the State Council, Government of China; International Labour Organization (*World Employment Report*); Empire Blue Cross Blue Shield; Knolls Atomic Power Laboratory; Energy Transportation Corporation; General Electric Power Systems; MBNA; Bingham Dana LLP; Bingham McCutchen, LLP; AIG Aviation; Chase Fleming; ITT Automotive; Abt Associates; Sodexo Marriot; Association of Aviation Underwriters; The John D. and Catherine T. MacArthur Foundation; Putnam Investments; LEXECON; Beth Israel Deaconess Medical Center; PricewaterhouseCoopers; Honeywell; Smithsonian Institution; Wyeth Pharmaceuticals; Merck & Co.; GSK Biologicals; Data for Decisions, LLC.; Bank of America.

- Refereeing: *Health Economics; Macroeconomic Dynamics; Journal of Health Economics; Canadian Journal of Sociology; Proceedings of the National Academy of Sciences; Environmental Conservation; Policy Studies Journal; World Development; Economics Letters; Journal of Financial Services Research; Economics of Education Review; Journal of Political Economy; Journal of the American Statistical Association; Journal of Business and Economic Statistics; Demography; Econometrica; Industrial and Labor Relations Review; Industrial Relations; Quarterly Journal of Economics; AREUEA Journal; Review of Economics and Statistics; International Economic Review; Journal of Family Issues; Advances in Industrial Relations; Journal of Labor Economics; Journal of AIDS; Journal of Economics and Business; Harvard Business Review; Journal of Human Resources; Rand Journal of Economics; European Journal of Population; Economic Journal; American Economic Review; Journal of Policy Analysis and Management; Science; Population Research and Policy Review; Population and Development Review; Journal of the American Medical Association; Economic Development and Cultural Change; Journal of Economic Literature; American Journal of Sociology; Quarterly Review of Economics and Business; International Journal of Forecasting; American Journal of Public Health; American Sociological Review; Public Finance Quarterly; Canadian Journal of Economics; Asian Development Review; Applied Demography; Journal of Population Economics; Review of Higher Education; Journal of Demographic Research; Journal of Environmental Economics and Management; Journal of Eastern Caribbean Studies; PharmacoEconomics; Journal of Economic Geography; Applied Population and Policy; Journal of Human Development; Bulletin of the World Health Organization; Social Forces; Oxford Bulletin of Economics and Statistics; The B.E. Journals in Economic Analysis & Policy; Journal of African Finance and Economic Development; Social Service Review; Health Policy and Planning; Journal of Development Studies; Strategic Asia; Review of Income and Wealth; Vienna Yearbook of Population Research; American Journal of Public Health; Asian Population Studies; Milbank Quarterly; Social Science and Medicine; European Journal of Obstetrics & Gynecology and Reproductive Biology; Journal of Comparative Economics; Pan American Journal of Public Health; The Lancet; Journal of The Japanese and International Economies; African Economic Research Consortium; World Bank publications; Taylor and Francis (Routledge); Social Science Research Council; Workers' Compensation Research Institute; National Science Foundation (Divisions of Economics, Law and Social Sciences, Decision Sciences, and Sociology); Russell Sage Foundation; Cambridge University Press; Stanford University Press; Oxford University Press; Elsevier North-Holland; McGraw-Hill; Macmillan Publishers; University of Chicago Press; Scott Foresman; Harper-Collins; Harvard University Press; Social Sciences and Humanities Research Council of Canada; The*

Wellcome Trust; The Alan Guttmacher Institute; The Bank of Sweden Tercentenary Foundation; The Research Council of Norway; The Globalization Knowledge Network; Nike Foundation; Marsden Foundation; Economic and Social Research Council (UK); WOTRO Science for Global Development; Netherlands Organisation for Scientific Research

- Fulbright Scholarship to conduct demographic research in India, 1982–1983 (3 months)
- Member, National Academy of Sciences' Committee on Human Factors (1990–1992); Member, National Academy of Sciences' Committee on National Needs for Biomedical and Behavioral Research Personnel (January 1993–September 1994)
- Member, Editorial Board, *Applied Population and Policy* (since November 2002)
- Member, Advisory Council, Education Policy and Data Center (a partnership between USAID and the Academy for Educational Development; since September 2004)
- Member, Editorial Committee *Epidemiologic Reviews*, Oxford University Press; for 2010 issue *Epidemiologic Approaches to Global Health*.

## **RESEARCH INTERESTS**

Applied Economics: labor, population, health, education, and development

Demography

Global Health

International Education

## **TEACHING**

'Introduction to Global Health and Population', Department of Economics, Harvard University, spring 2004 (Economics 1385)

'Foundations of Global Health and Population', with Joel Lamstein, Harvard University School of Public Health, fall 2002, fall 2003, fall 2004, fall 2005, fall 2006, fall 2007 (PIH272), fall 2008 (GHP272)

'Field Studies: Commercial Opportunities and High Impact Public Health Interventions', with Michael Chu, joint Harvard Business School–Harvard School of Public Health, spring 2007; spring 2008; spring 2009.

'World Population and Health', Harvard University School of Public Health, fall 1999, fall 2000, fall 2001 (PIH 200a)

'Doctoral Seminar in Population and International Health', Harvard University School of Public Health, spring 2000, spring 2001, spring 2003

'Population and Development', with Allan Hill, Harvard University School of Public Health, winter 1998–99

'Development and Living Standards', with Amartya Sen, Harvard University School of Public Health and Department of Economics, fall 1996

‘Microeconomics for Economic Policy Management’, Columbia University School of International and Public Affairs, Program in Economic Policy Management, summer 1992, summer 1993, summer 1994, spring 1993, spring 1994, spring 1995

‘Economics of Labor and Population’, Columbia Economics Department PhD Program, fall 1987, 1993–94

‘Principles of Economics’, Columbia Economics Department Undergraduate Program, 1988–89, 1990–91, 1991–92, 1992–93

‘Labor Economics’, Columbia Economics Department Undergraduate Program, spring 1988, fall 1988

‘Labor Market Analysis’, Harvard Economics Department PhD Program, fall 1982, fall 1983, fall 1984, fall 1985, fall 1986

‘Applied Econometrics’, with Mark Watson or Chris Cavanagh, Harvard Economics Department PhD and Undergraduate Programs, spring 1984, spring 1985, spring 1986, spring 1987

‘Economics of Population’, with Harvey Leibenstein and Joseph Potter, Harvard Economics Department PhD and Undergraduate Programs, spring 1987

‘Research in Labor Economics’, Harvard Economics Department Undergraduate Program, fall and spring semesters 1982–87

‘Research Seminar in Demography’, with Joseph Potter and Michael Stoto, Harvard Center for Population Studies, 1985–87

‘Trade Unions, Collective Bargaining, and Public Policy’, with John Dunlop, Harvard Economics Department Undergraduate Program, spring 1983, fall 1984

‘Applied Econometrics’, School of Urban and Public Affairs Master’s Program, two-semester sequence 1981–82

‘The Theory and Practice of Labor–Management Relations’, with Ben Fischer, School of Urban and Public Affairs Master’s Program, two-semester sequence 1980–82

‘Applied Mathematical Demography’, School of Urban and Public Affairs PhD Program, spring 1981

## **HONORS AND DISTINCTIONS**

Master of Arts, Harvard University, July 1996 (honorary)

Alfred P. Sloan Research Fellow, September 1986–September 1991

1987 Galbraith Award for ‘Good Teaching in Economics’, Harvard University (honorable mention: 1984, 1985, 1986)

Included in: *Marquis’ Who’s Who*; *Who’s Who Among America’s Teachers*; *Who’s Who in Economics* (Blaug and Vane, 2004)

Voted one of Harvard's "20 Most Outstanding Professors" by the Harvard College Class of 2005 (October 2004)

Citation for Excellence in Teaching for the 2004–2005 academic year, Harvard School of Public Health

Elected Fellow of the American Academy of Arts and Sciences, April 2005

Appointed Ambassador in the Paul G. Rogers Society for Global Health Research, Research!America, 2008.

## **EDUCATION**

PhD, Economics and Demography, Princeton University, January 1981

MA, Economics, Princeton University, June 1978

BSc, Industrial and Labor Relations, New York State School of Industrial and Labor Relations, Cornell University, May 1976

**DATE OF BIRTH:** October 16, 1955

**PLACE OF BIRTH:** New York, USA

**FAMILY STATUS:** Married with two children

## PUBLICATIONS

- ‘Population, Poverty Reduction, and the Cairo Agenda’, with David Canning, in Laura Reichenbach and Mindy Jane Roseman, eds., *Reproductive Health and Human Rights: The Way Forward*, University of Pennsylvania Press, Philadelphia: 2009, 51-59.
- ‘Designing Financial Incentive Programmes for Return of Medical Service in Underserved Areas: Seven Management Functions’, *Human Resources for Health*, forthcoming 2009.
- ‘Fertility, Female Labor Force Participation, and the Demographic Dividend’, with David Canning, Günther Fink, and Jocelyn E. Finlay, *Journal of Economic Growth*, Volume 14, Number 2, June 2009, 79-101.
- ‘Financial Incentives for Return-of-Service in Underserved Areas: A Systematic Review’, with Till Bärnighausen, *BMC Health Services Research*, 9:86.
- ‘Population Health and Economic Growth’, with David Canning, in Michael Spence and Maureen Lewis, eds., *Health and Growth*. World Bank Commission on Growth and Development, forthcoming June 2009.
- ‘Population Aging and Economic Growth’ with David Canning and Guenther Fink – in Michael Spence and Danny Leipziger, *Global Challenges and Growth*, forthcoming September 2009.
- ‘On Economic Development and Growth’, in World Economic Forum, *The Global Agenda 2009*, Geneva, Switzerland, 2009, 13-17. ([www.weforum.org/pdf/globalagenda.pdf](http://www.weforum.org/pdf/globalagenda.pdf))
- ‘The Cost of Low Fertility in Europe’, with David Canning, Günther Fink, and Jocelyn E. Finlay, *European Journal of Population*; 2009, forthcoming.
- ‘Universal Basic and Secondary Education’, *Bulletin of the American Academy*, Winter 2009, Vol. 62, no. 2, American Academy of Arts and Sciences, Cambridge, Mass., forthcoming.
- ‘Demographic Change and Economic Growth in Asia’, with Jocelyn E. Finlay, *Asian Economic Policy Review*, Vol. 4, No. 1, 2009. 45–64.
- ‘Sex, Drugs and Rock 'n Roll: The MTV Approach to Tackling HIV/AIDS’, with Tarun Khanna and Sonali Bloom, Teaching Note No. 719-454 to HBS Case Study N9-708-467, March 2009.
- ‘Conditional Scholarships for Health Worker Education in Developing Countries: A Review of Practices, Proposals and Lessons Learned from Health and Non-Health Sectors’, with Till Bärnighausen, *Social Science and Medicine*, 68 (2009) 544–551.
- ‘Accounting for the Full Benefits of Childhood Vaccination in South Africa’, with Till Bärnighausen, David Canning, and Jennifer O’Brien, *South African Medical Journal*,

November 2008, Vol. 98, No. 11, 42-46.

‘A Healthier South Africa Means a Wealthier South Africa’, with Jennifer O’Brien, *HMR Africa*, September 2008.

‘Population Health and Economic Development in the United States: Bringing International Lessons Home’, with David M. Mirvis, *Journal of the American Medical Association*, Vol. 300, No. 1, July 2, 2008, 93-94.

‘Disease Control’, with Dean T. Jamison and Prabhat Jha, Bjorn Lomborg, ed., *Copenhagen Consensus 2008*, Cambridge, UK: Cambridge University Press, forthcoming 2009.

‘Sex, Drugs and Rock 'n Roll: The MTV Approach to Tackling HIV/AIDS’, with Tarun Khanna and Sonali Bloom, Harvard Business School Case Study N9-708-467, May 2008.

‘Tackling Tuberculosis: The Business Response’, with Lakshmi Reddy Bloom and Mark Weston, report prepared for the World Economic Forum, February 2008 (<http://www.weforum.org/pdf/GHI/TB.pdf>)

‘Urbanization and the Wealth of Nations’, with David Canning and Günther Fink, *Science*, February 2008, 772-775.

‘The Population Health and Income Nexus in the Mississippi River Delta Region and Beyond’, with Diana Bowser, *Journal of Health and Human Services Administration*, Summer 2008, 105-123.

‘Demographic change, fiscal sustainability, and macroeconomic performance’, with David Canning, *Public Policy and Aging Report*, Winter 2008, pp. 1, 18-23.

‘HIV/AIDS: A Growing Concern to Business’, with Lakshmi Bloom, Paul Delay, Fiona Paua, Richard Samans, and Mark Weston, *World Economics*, 8(4): October-December 2007, 125-141.

‘Governing Global Health’, *Finance & Development*, December 2007, Volume 44, Number 4, 31-35.

‘Human Resources for Treating HIV/AIDS: Needs, Capacities, and Gaps’, with Till Barnighausen and Salal Humair, *AIDS Patient Care and STDs*, November 2007, 21(11), 799-812.

‘Mortality Traps and the Dynamics of Health Transitions’, with David Canning, July 2007, *Proceedings of the National Academy of Sciences*, 2007.

‘Jak Zaplatit Zdraví’ (‘How to Pay for Health’), with Larry Rosenberg, *DNES*. August 31 2007. XXX.

- ‘The Urban Revolution’, with Tarun Khanna, *Finance & Development*, September 2007, 8-14.  
(<http://www.imf.org/external/pubs/ft/fandd/2007/09/index.htm>)
- ‘The March of the Cities’, with Patrick Salyer, *Finance & Development*, September 2007, 18-19.  
(<http://www.imf.org/external/pubs/ft/fandd/2007/09/index.htm>)
- ‘Vaccination Pledge, Economic Edge’, *The Nation* (1 October 2007, Bangkok); *Matichon* (22 September 2007).
- ‘Back to School’, *Wide Angle Discussion Guide* 52, Educational Broadcasting Corporation, New York, 2007, 11-13.
- ‘Does Age Structure Forecast Economic Growth?’ with David Canning, Günther Fink, and Jocelyn Finlay, *International Journal of Forecasting*, 23(4), 569-585, December 2007.
- ‘Business and AIDS in South Africa’, with Anne Buve, *AIDS* 2007, 21 (suppl), forthcoming.
- ‘Healthy Taiwan a Wealthy Taiwan’, *Taipei Times*, Aug 12, 2007,  
(<http://www.taipetimes.com/News/editorials/archives/2007/08/12/2003373832>) (Also appeared in *Liberty Times*, August 7, 2007.)
- ‘Education in a Globalized World’, in Marcelo Sanchez Sorondo, Edmond Malinvaud, and Pierre Lena, eds., *Globalization and Education*, Walter de Gruyter, Berlin, 2007, 59–78.
- ‘Old Europe, Young World’, with Bo Malmberg, May 2007, *Project Syndicate OPED*, published in 8 languages. (<http://www.project-syndicate.org/commentary/bloom3>)
- ‘A Prevalence Estimate of Intimate Partner Violence in Jordan’, with Cari Jo Clark, Allan Hill, and Jay Silverman, *Eastern Mediterranean Health Journal*, forthcoming 2007.
- ‘The Effect of Subjective Survival Probabilities on Retirement and Wealth in the US’, with David Canning, Michael Moore, and Younghwan Song, in Robert Clark, Andrew Mason, and Naohiro Ogawa, eds., *Population Aging, Intergenerational Transfers and the Macroeconomy*, Elgar Press, 2007, 67-97.
- ‘Education in a Globalized World’, *World Economics*, October–December 2006, Vol. 7, No. 4, 87–109.
- ‘Population Ageing, Human Capital Accumulation, and Productivity Growth’, with Alexia Prskawetz and Wolfgang Lutz, in Alexia Prskawetz, David E. Bloom, and Wolfgang Lutz, eds., a supplement to *Population and Development Review* vol. 33, Population Council, New York, 2008.
- ‘Global Demographic Change: Dimensions and Economic Significance’, with David Canning, in *Global Demographic Change: Economic Impacts and Policy Challenges* (Proceedings of

- a Symposium, Sponsored by the Federal Reserve Bank of Kansas City Jackson Hole, Wyoming, August 26–28, 2004), 9–56. (Reprinted in ‘Population Aging, Human Capital Accumulation, and Productivity Growth’, Alexia Prskawetz, David E. Bloom, and Wolfgang Lutz, eds., a supplement to *Population and Development Review* vol. 33, Population Council, New York, 2008, 17-51.)
- ‘Economics of HIV/AIDS in India’, with Bhargavi Rao and Ajay Mahal, in Kaushik Basu and H. Dey, eds., *Oxford Companion to Economics in India*, Oxford University Press, New Delhi, India, forthcoming 2007.
- ‘The Consequences of Population Health for Economic Performance’, with Marcella Alsan, David Canning, and Dean Jamison, in Sara Bennett, Lucy Gilson, and Anne Mills, eds., *Health, Economic Development and Household Poverty: From Understanding to Action*. London, Routledge, 2008, 21-39.
- ‘Demographic Change, Social Security Systems, and Savings’, with David Canning, Rick Mansfield, and Michael Moore, *Journal of Monetary Economics* 54, 2007, 92–114.
- ‘Not Immune: Why Business Should Be Concerned About HIV/AIDS’, with Lakshmi Reddy Bloom and Mark Weston, *De Tijd*, December 1, 2006.
- ‘Booms, Busts, and Echoes’, with David Canning, *Finance & Development*, September 2006, 8–13. (<http://www.imf.org/external/pubs/ft/fandd/2006/09/bloom.htm>)
- ‘Global Demographic Trends’, with Larry Rosenberg, *Finance & Development*, September 2006, 14–15. (<http://www.imf.org/external/pubs/ft/fandd/2006/09/picture.htm>)
- ‘Economic Implications of Population Health’, with David Canning, *The New Palgrave Encyclopedia of Economics*, forthcoming 2007.
- ‘Global Demography: Fact, Force, and Future’, with David Canning, in C. Kent, A. Park and D. Rees, eds., *Demography and Financial Markets*, Proceedings of a Conference, Reserve Bank of Australia, Sydney, 2006, 12–39.
- ‘Business and Malaria: A Neglected Threat?’ with Lakshmi Reddy Bloom and Mark Weston, report prepared for the World Economic Forum, June 2006. (<http://www.weforum.org/pdf/MalariaReport.pdf>)
- ‘Europe’s Looming Population Bust’, with David Canning, *Entre Nous*, 2006, No. 63, 14–15.
- ‘The Preston Curve 30 years on: still sparking fires’, with David Canning, *International Journal of Epidemiology*, June 2007, 1-2.
- ‘Can Higher Education Help Extricate Sub-Saharan Africa from its Poverty Trap?’ with David Canning and Kevin Chan, *International Higher Education*, Fall 2006, No. 45, 6–7.

- ‘Education, Health, and Development’, in Joel E. Cohen, David E. Bloom, and Martin Malin, eds., *Educating All Children: A Global Agenda*, American Academy of Arts and Sciences and MIT Press, Cambridge, Massachusetts, 2006, 535–558.
- ‘Universal Basic and Secondary Education’, with Joel E. Cohen, Martin Malin, and Helen Curry, in Joel E. Cohen, David E. Bloom, and Martin Malin, eds., *Educating All Children: A Global Agenda*, American Academy of Arts and Sciences and MIT Press, Cambridge, Massachusetts, 2006, 1–29.
- ‘Demographic Challenges, Fiscal Sustainability, and Economic Growth’, with David Canning, in South African Reserve Bank, Banco de México, and The People’s Bank of China, eds., *Economic Growth: Proceedings of the G-20 Seminar on Economic Growth*, G-20, Hong Kong, 2006, 101–112.
- ‘Health Services for the Poor: Public vs. Private vs. Public and Private’, with Tarun Khanna, in V. Kasturi Rangan, John A. Quelch, Gustavo Herrero, and Brooke Barton, eds., *Business Solutions for the Global Poor: Creating Social and Economic Value*, Jossey-Bass, San Francisco, 2007, 63–72.
- ‘Measuring Global Educational Progress’, in Joel E. Cohen, David E. Bloom, and Martin Malin, eds., *Educating All Children: A Global Agenda*, American Academy of Arts and Sciences and MIT Press, Cambridge, Mass., 2006, 33–120.
- ‘Universal Basic and Secondary Education’, *Bulletin of the American Academy*, Winter 2006, Vol. 59, no. 2, American Academy of Arts and Sciences, Cambridge, Mass., 18.
- ‘The Effect of Population Health on Foreign Direct Investment Inflows to Low- and Middle-Income Countries’, with Marcella Alsan and David Canning, *World Development*, April 2006, Vol. 34, No. 4, 613–630.
- ‘Beyond Private Gain: The Public Benefits of Higher Education’, with Matthew Hartley and Henry Rosovsky, in James J. F. Forest and Philip Altbach, eds., *International Handbook of Higher Education*, Volume I, 2006, 293–308. (Reprinted in Zehev Tadmor, ed., *Proceedings of the International Conference: Transition to Mass Higher Education Systems: International Comparisons & Perspectives*, S. Neaman Press, Haifa, Israel, 2006, 123–145.)
- ‘Global Environmental Change and Human Health’, with M. O. Andreae, U. E. C. Confalonieri, A. J. McMichael, D. L. Heymann, P. Martens, W. Steffen, and M. E. Wilson, in *Interactions Between Global Change and Human Health*, Pontifical Academy of Sciences, Vatican City, 2006, 374–393.
- ‘Epidemics and Economics’, with David Canning, in *Interactions Between Global Change and Human Health*, Pontifical Academy of Sciences, Vatican City, 2006, 304–331.
- ‘Higher Education in Developing Countries’, with Henry Rosovsky, in James J.F. Forest and

- Philip Altbach, eds., *International Handbook of Higher Education*, Volume II, 2006, 443–460.
- ‘Business and HIV/AIDS: A Healthier Partnership?’ with Lakshmi Reddy Bloom, David Steven, and Mark Weston, World Economic Forum, 2006, Geneva, Switzerland (55 pages).
- ‘Education and Public Health: Mutual Challenges Worldwide: Guest Editor's Overview’, *Comparative Education Review*, November 2005, Vol. 49, No. 4, 437–451.
- ‘Business and HIV/AIDS in Asia: Pushing Back the Tide’, with Lakshmi Bloom and Mark Weston, World Economic Forum, August 2005, Geneva, Switzerland (43 pages).
- ‘The Value of Vaccination’, with David Canning and Mark Weston, *World Economics*, July–September 2005, Vol. 6, No. 3, 15–39. (Reprinted in Philip Stevens, ed., *Fighting the Diseases of Poverty*, London: International Policy Press, 2007, 214–238).
- ‘The Demographic Impact of Biomass Use’, with Anita Zaidi and Ethan Yeh, *Energy for Sustainable Development*, September 2005, Volume IX, No. 3, 40–48.
- ‘Health and the Economy’, with Jennifer Prah Ruger, Dean Jamison, and David Canning, in Michael H. Merson, Robert E. Black, and Anne J. Mills, eds., *International Public Health: Diseases, Programs, Systems and Policies*, Jones and Bartlett Publishers, Inc., Sudbury, Mass., 2006, 601–647 (revised and updated from Aspen Publishers (2000) version).
- ‘Cultivating Minds’, with Joel Cohen, *Finance and Development*, June 2005, 9–14.
- ‘Bombs, Books, and Bucks’, with Joel Cohen, July 2005, *Project Syndicate OPED*, appeared in multiple newspapers across the world, in 8 languages. (<http://www.project-syndicate.org/commentary/cohenbloom1>)
- ‘Economic Perspectives on Injecting Drug Use’, with Ajay Mahal and Brendan O’Flaherty, in Michael Grossman and Bjorn Lundburg, eds., *Frontiers in Health Economics*, Vol. 16, Elsevier Science Publishers, 2005, 371–395.
- ‘Business and HIV/AIDS: Commitment and Action? A Global Review of the Business Response to HIV/AIDS 2004-2005’, with Lakshmi Bloom, David Steven, and Mark Weston, World Economic Forum, January 2005, Geneva, Switzerland (64 pages).
- ‘Profits and People: On the Incentives of Business to Get Involved in the Fight Against AIDS’, with Jaypee Sevilla, in Guillem López-Casasnovas, Berta Rivera and Luis Currais, eds., *Health and Economic Growth: Findings and Policy Implications*, MIT Press, 2005, 339–355.
- ‘Raising the Pressure: Globalization and the Need for Higher Education Reform’, in Glen A. Jones, Patricia L. McCarney, and Michael L. Skolnik, eds., *Creating Knowledge, Strengthening Nations: The Changing Role of Higher Education*, University of Toronto Press, Toronto, 2005, 21–41.

- ‘Introduction’, with Manuel Agosin, David Bloom, Georges Chapelier and Jagdish Saigal, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 1–16.
- ‘The Three Spheres – Experiences from Latin America, Africa and Asia’, with Larry Rosenberg and Mark Weston, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 277–293.
- ‘Continental Drift: Globalization, Liberalization and Sustainable Human Development in Sub-Saharan Africa’, with David Steven and Mark Weston, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 193–222.
- ‘Liberalization, Economic Growth and Sustainable Human Development in Asia: Learning from the Miracle Workers’, with Larry Rosenberg, David Steven, and Mark Weston, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 223–251.
- ‘Globalization, Liberalization, and Sustainable Human Development: Analytical Perspectives’, with Manuel R. Agosin, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 19–38.
- ‘Globalization, Liberalization, and Sustainable Human Development in Central America’, with Manuel R. Agosin and Eduardo Gitli, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 127–173.
- ‘Global Integration and the Reduction of Poverty’, with David Canning, Bryan Graham, and Jaypee Sevilla, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 104–123.
- ‘Closing the Loop: Latin America, Globalization, and Human Development’, with David Canning and River Path Associates, in Manuel R. Agosin, David E. Bloom, Georges Chapelier, and Jagdish Saigal, eds., *Solving the Riddle of Globalization and Development*, Routledge, UK, 2007, 174–192.
- ‘Global Demographic Change: Dimensions and Economic Significance’, Lecture Book, ICRIER, December 2004. (<http://www.icrier.org/Lecturebook.pdf>)
- ‘Universal Education and Human Progress’, *Wide Angle Discussion Guide 2*, Educational Broadcasting Corporation, New York, 2004, 15–17.
- ‘Governance Matters: The Role of Governance in Asian Economic Development’, with David Steven and Mark Weston, *World Economics*, Vol. 5, No. 4 (October–December 2004).
- ‘Willingness to Pay for Environmental Quality: Testable Empirical Implications of the Growth and Environment Literature: Comment’, with Jaypee Sevilla, *Contributions to Economic*

- Analysis & Policy*, 2004, Vol. 3, No. 1, Article 1. (<http://www.bepress.com/bejeap/contributions/vol3/iss1/1>)
- ‘The Health and Wealth of Africa’, with David Canning, *World Economics*, 2004, Vol. 5, No. 2, 57–81.
- ‘Higher Education in Developing Countries: Peril and Promise’: Has It Made a Difference?’ with Henry Rosovsky, *Comparative Education Review*, 2004, Vol. 48, No. 1, 78–81, 85–88.
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*The Demographic Dividend: A New Perspective on the Economic Consequences of Population Change*, with David Canning and Jaypee Sevilla, RAND, MR-1274, Santa Monica, Calif., 2002.

*The Quality of Life in Rural Asia*, with Patricia Craig and Pia Malaney, Hong Kong: Oxford University Press, 2001.

*Higher Education in Developing Countries: Peril and Promise*, with Henry Rosovsky, in conjunction with the Task Force on Higher Education, The World Bank, Washington, D.C., 2000 (plus Spanish-language translation; plus Chinese-language translation).

‘The Demographic Crisis in the Former Soviet Union’, with Charles Becker, guest eds., *World Development*, Special Issue, November 1998.

*Emerging Asia: Changes and Challenges*, with Jeffrey D. Sachs, principal author and academic coordinator of academic advisors to the Asian Development Bank, Asian Development Bank, Manila, 1997.

*The Economics of HIV and AIDS: The Case of South and South East Asia*, with Peter Godwin, eds., United Nations Development Programme, Oxford University Press, New Delhi, 1997 (2nd ed. 1998).

‘AIDS in Asia’, guest editor, *Current Science*, Special Issue, November 1995.

*Economic Implications of AIDS in Asia*, with Joyce V. Lyons, eds., United Nations Development Programme, New Delhi, January 1993.

*Enterprises for the Recycling and Composting of Municipal Solid Waste in Jakarta, Indonesia*, with Christopher Bennett, Lakshmi Reddy Bloom, Marguerite Robinson, and Michael Simpson, Center for Policy and Implementation Studies, Jakarta, Indonesia, 1993.

*Journal of Labor Economics*, with Aloysius Siow, eds., special issue in honor of Jacob Mincer, Vol. 11, no. 1, part 1, January 1993.

‘Child Care and Public Policy’, with David Beede, eds., *Population Research and Policy Review*, Special Issue, January 1990.

## **OTHER PAPERS**

‘The economic case for expanding vaccination coverage of children’, with Till Bärnighausen, David Canning, Abigail Friedman, Orin Levine, Jennifer O'Brien, Lois Privor-Dumm, and Damian Walker, June 2009.

‘Disease and Development Revisited’, with David Canning and Günther Fink, March 2009, manuscript.

‘Nigeria: The Next Generation - Literature Review’, with Akochi Agunwamba, Abby Friedman, Marija Ozolins, Larry Rosenberg, David Steven, and Mark Weston, May 2009

‘Unlocking the Benefits of Higher Education Through Good Governance’, with Henry Rosovsky, September 2008.

‘The Health Workforce’, with Till Baernighausen, *Oxford Handbook of Health Economics*, Peter Rogers and Sherry Glied, eds, Oxford University Press, forthcoming 2009.

‘Economic Implications of Malaria Eradication in Zambia’, with David Canning, Günther Fink, and Jocelyn E. Finlay, May 2007.

- ‘Estimating Health Worker Need to Provide Antiretroviral Treatment in the Developing World’, with Till Bärnighausen and Salal Humair), October 2008.
- ‘The Nature and Determinants of MSE Participation in Value Chains in Guatemala’, with Elizabeth Dunn, Philip Church, Cari Jo Clark, Shand Evans, and Yi-an Huang, August 2008.
- ‘Analyzing the Integration of Micro- and Small Enterprises into Value Chains (AIMVC): Evidence from Tanzanian Horticulture’, with Banu Akin, Shehnaz Atcha, Vikas Choudhary, Phillip Church, Elizabeth Dunn, Shand Evans, Victoria Fan, and Patrick Salyer, August 2008.
- ‘Respondent-Driven Sampling: A Useful Sampling Tool for Development Economics’, with Mieke J.J. Van Hemelrijck, August 2008.
- ‘Social Interactions and Fertility in Developing Countries,’ with David Canning, Isabel Guenther, and Sebastian Linnemayr, submitted.
- ‘Mortality Expectations and Fertility Decisions,’ with David Canning, Isabel Guenther, and Sebastian Linnemayr, mimeo.
- ‘Improving Newborn Health using Market-based Solutions – A Model to Address Hypothermia in Nepal on a Central, District, and Community Level’, (with Karsten Lunze, Rosie Dawkins, Abeezer Tapia, Sidharth Anand, and Michael Chu), September 2008.
- ‘Achieving the Health Millennium Development Goals: A Role for the Private Sector?’ (with Michael Chu), October 2008.
- ‘On the Determination of Global Health Priorities’, with Michael Chu and the Project Antares team, October 2008.
- ‘Children and Development: The Effect of Fertility on Economic Growth, with David Canning, Günther Fink, and Jocelyn E. Finlay, April 2008.
- ‘Growing Old, Productively’, with David Canning, October 2007, manuscript.
- ‘Urban Settlement: Data, Measures, and Trends’, with David Canning, Günther Fink, Tarun Khanna, and Patrick Salyer, paper prepared for presentation at WIDER conference in October 2007.
- ‘Optimal Retirement and Saving with Healthy Aging’, with David Canning and Michael Moore, September 2007.
- ‘Demographic Change, Institutional Settings, and Labor Supply’, with David Canning, Günther Fink, and Jocelyn E. Finlay, paper prepared for Social Security Workshop of NBER Summer Institute 2007, July 2007.

- ‘Realizing the Demographic Dividend: Is Africa Any Different?’ with David Canning, Günther Fink, and Jocelyn Finlay, manuscript prepared for the African Economic Research Consortium, May 2007.
- ‘The Contribution of Population Health and Demographic Change to Economic Growth in China and India’, with David Canning, Linlin Hu, Yuanli Liu, Ajay Mahal, and Winnie Yip, paper presented at Stanford Center for International Development conference, June 2006; November 2007; submitted for publication.
- ‘The Effect of Subjective Survival Probabilities on Retirement and Wealth’, with David Canning, Michael Moore, and Younghwan Song, paper presented at annual meetings of the Population Association of America, March 2007.
- ‘The Nature, Determinants, and Consequences of MSE Participation in Value Chains: Evidence from the Horticulture and Handicrafts Sectors in Guatemala’, with Elizabeth Dunn, Philip Church, Cari Jo Clark, Shand Evans, and Yi-an Huang, February 2006.
- ‘Higher Education and Economic Development in Africa’, with David Canning and Kevin Chan, Africa Region Human Development Working Paper Series, No. 102, The World Bank, Washington, D.C., February 2006.
- ‘Vaccines Key to Economic Health of Developing Countries’, with David Canning and Jens Stoltenberg, draft Op-ed piece, December 2004.
- ‘The Effects of Improvements in Health and Longevity on Optimal Retirement and Saving’, with David Canning and Michael Moore, NBER Working Paper 10919, November 2004, submitted for publication.
- ‘Population Growth, Age Structure, and Economic Growth: What Have We Learned Since the 1986 NRC Study of Population and Development?’, with David Canning and Andrew Mason, paper presented at the 2004 annual meeting of the Population Association of America, Boston.
- ‘Beyond the Basics: Patterns, Trends and Issues in Secondary Education in Developing Countries’, Paper prepared for the World Bank, July 2004.
- ‘Economics of Needle Use and Reuse’, with Ajay Mahal and Brendan O’Flaherty, April 2008.
- ‘Childhood Immunization as Human Capital’, with David Canning and Erica Seiguer, 2008.
- ‘Reproductive Health and the Macroeconomy’, Paper presented at symposium in honor of the 50<sup>th</sup> anniversary of the International Planned Parenthood Federation, New Delhi, India, November 2002.
- ‘Rates of Return on Investments in Education: Reconciling Micro and Macro Estimates’, with David Canning, paper presented at the American Academy of Arts and Sciences, July

2002.

- ‘Globalisation, Liberalization and Sustainable Human Development: The Case of Jamaica’, with Ajay S. Mahal, Damien King, Fiorina Mugione, Aldrie Henry-Lee, Dillon Alleyne, Philip Castillo, and River Path Associates, paper prepared for the UNCTAD/UNDP Programme on Globalisation, Liberalization, and Sustainable Human Development, revised December 2004, submitted for publication.
- ‘AIDS and Economics’, with Ajay Mahal, Jaypee Sevilla, and River Path Associates, paper prepared for Working Group I of the WHO Commission on Macroeconomics and Health, November 2001.
- ‘Technological Diffusion and Economic Growth’, with David Canning and Jaypee Sevilla, NBER Working Paper 8713, January 2002, submitted for publication.
- ‘Globalisation, Global Public “Bads”, Rising Criminal Activity and Growth’, with S. Mansoob Murshed, WIDER, Discussion Paper 2001/50.
- ‘Population Change and Human Development in Latin America’, with David Canning, David Evans, Bryan Graham, Patrick Lynch, and Erin Murphy, background paper prepared for the Inter-American Development Bank in connection with *Economic and Social Progress in Latin America, 1999–2000 Report*, 2000.
- ‘Social Technology and Human Health’, with River Path Associates and Karen Fang, July 2001, submitted for publication.
- ‘The United States and Global Health’, with Jordan Kassalow and River Path Associates, June 2000.
- ‘Demographic Change and Economic Growth in Jordan’, with David Canning, Kingka Huzarski, David Levy, A. K. Nandakumar, Jaypee Sevilla, and Manjiri Bhawalkar, Partners for Health Reform, Abt Associates Inc., Bethesda, Maryland, June 2002.
- ‘Universal Basic and Secondary Education’, with Joel Cohen, paper prepared for seminar on Educational Strategies, Families and Population Dynamics, Université de Ouagadougou, Burkina Faso, May 2001, revised.
- ‘Global Trends in the Financing of Higher Education: Prospects and Challenges for the Next Decade’, with Francisco L. Rivera-Batiz, May 1999. Mimeo.
- ‘Labor in the Emerging World Economy’, with Felicia Knaul and Geeta Singh, paper prepared in connection with Harvard–International Labour Organization Transition Team Workshop, Center for International Development, Harvard University, January 21–22, 1999.
- ‘Basic Education and Competitiveness in Colombia and the Andean Region’, with Patricia Craig, report on a dialogue held in collaboration IBM’s Latin America Advisory Board, Bogotá, Colombia, December 2, 1998.
- ‘Health, Health Policy, and Economic Outcomes’, with Dean Jamison, Pia Malaney, and Jennifer Ruger, paper prepared in connection with the Harvard–World Health Organization

- Director-General Transition Team Workshop, Harvard Institute for International Development, August 1998.
- ‘Major Trends That May Affect Higher Education in Developing Countries’, draft for the Geneva meeting of the Task Force on Higher Education, August 1998.
- ‘Basic Education and Competitiveness in Central America: Problems, Perspectives, Possibilities, and Plans’, with Patricia Craig, report on a dialogue held in collaboration with IBM’s Latin America Advisory Board, General Business Machines (GBM), and Instituto Centroamericano de Administración de Empresas (INCAE), San José, Costa Rica, June 1998.
- ‘Population, Poverty, and the Environment’, with John Gallup and David Beede, background paper for chapter on Environment and Natural Resources, *Emerging Asia: Changes and Challenges*, Asian Development Bank, 1997.
- ‘Labor Standards and the Emerging World Economy’, with Waseem Noor, 1996. Revision of background paper prepared for *World Employment Report 1995*, International Labour Organization.
- ‘The Impact of the AIDS Epidemic on Human Development’, with Neil Bennett, Ajay Mahal, and Waseem Noor, December 1996.
- ‘Labor Economics in a Global Economy’, with Donald Davis and Carolyn Evans, paper presented at the International Labor Organization, March 1996.
- ‘Measuring and Explaining Cross-Establishment Variation in the Generation and Management of Industrial Waste’, with David Beede and David Wheeler, paper presented at the annual meetings of the American Economic Association, December 1992.
- ‘Lawyers as Agents of the Devil in a Prisoner’s Dilemma Game’, with Orley Ashenfelter, National Bureau of Economic Research Working Paper No. 4447, September 1993, paper presented at the 1991 annual meetings of the American Economic Association.
- ‘Gender Differences in Consumer Spending’, with Sanders Korenman, paper presented to the 1986 annual meetings of the American Economic Association and the 1987 annual meetings of the Population Association of America.
- ‘A Dynamic Analysis of the Fertility of U.S. Immigrants’, with Mark Killingsworth, paper presented at the 1985 annual meetings of the Allied Social Sciences Association, New York City.
- ‘An Analysis of Alternative Mechanisms for Selecting Arbitrators’, with Chris Cavanagh, Harvard Institute for Economic Research Working Paper No. 1224, paper presented at the December 1984 meetings of the Econometric Society.
- ‘Models of Firm Behavior Under Minimum Wage Legislation’, with Gilles Grenier, Harvard Institute for Economic Research Working Paper No. 1117, December 1984.

## **FUNDED RESEARCH AND OTHER PROJECTS**

- ‘Center for Global Demography of Aging’, Principal Investigator, National Institute on Aging, July 1, 2009 to June 30, 2014, \$2 million.
- ‘Longitudinal Aging Biomarker Study in India (LASI-Biomarker)’, PI, July 2009 through June 2011, \$459,958, submitted as R21 to National Institute of Aging, PAS-07-387.
- "Investigation of Income Surveys in Developing Countries: A Sub-Study of the Longitudinal Aging Study in India," Weatherhead Center for International Affairs, Harvard University, 2009, \$25,000.
- ‘Health and Retirement Survey for India’, PI; September 15, 2008 to August 31, 2010; National Institute of Aging; \$362,439.
- ‘Research on the Achievement of MDG4 and MDG5’, PI, Proposal to the Government of Norway, October 2008 through October 2011, \$1,971,628, submitted.
- ‘Exploring the Determinants of Urban Health’, PI, Proposal to the Rockefeller Foundation, January 2009 through December 2011, \$761,000 (with Arjun Appadurai and Anita Patil-Desmukh).
- ‘Evaluating the performance of initiatives to recruit and retain health workers in a rural district of South Africa’, Proposal to the Alliance for Health Policy and Systems Research and the Human Resources for Health Department, World Health Organization, (with Till Baernighausen, David McCoy, Steve Reid, and Andrew Ross), January-December 2009, \$142,340.
- ‘Project Antares’, July 1, 2008 to June 30, 2011, \$600,000, anonymous donor (with Michael Chu).
- ‘Indo-US Planning Conference for Longitudinal Study of Aging in India (LASI)’, Proposal to the Indo-US Science and Technology Forum, February 2009, \$25,000 (with Perianayagam Arokiasamy and Jinkook Lee).
- ‘Administrative increase to Center for Global Demography of Aging to fund steps in the planning process toward a Health and Retirement Survey (HRS) for India. September 30, 2007 – June 30, 2008, National Institute of Aging, \$72,802.
- ‘Project Antares’, January 1 to December 31, 2008, Brinson Foundation, \$50,000.
- ‘Tuberculosis and Business’, World Economic Forum, 2007, \$21,000.
- ‘Nigeria: The Next Generation’, March 1, 2009 to April 30, 2010; The British Council; \$498,000.

- ‘Nigeria: Options for Change’, November 1, 2008 to December 31, 2009; The Leventis Foundation; \$448,321, pending.
- ‘Benefit-Cost Analyses for Vaccination Against Pneumococcus, Rotavirus, Haemophilus Influenzae Type B, and Other Vaccine-Preventable Diseases, Johns Hopkins Bloomberg School of Public Health, December 2007, \$476,000.
- ‘Business Response to Tuberculosis’, World Economic Forum, 2007, \$21,000.
- ‘Project Antares’, January 1 to December 31, 2007, Brinson Foundation, \$50,000.
- ‘Primary Health Care for the Poor: Creating Commercial, High-Impact Interventions in the Public Health of Developing Countries’, with Michael Chu, anonymous donor, \$250,000, 2006.
- ‘The Impact of Reproductive Health and Population Dynamics on Economic Development’, The William and Flora Hewlett Foundation, PI: David Canning, October 1, 2005 to September 30, 2007, \$400,000.
- ‘Business Response to HIV/AIDS Epidemics’, The World Economic Forum, 2005, \$25,100.
- ‘Reproductive Health and Economic Well Being’, with David Canning, The John D. and Catherine T. MacArthur Foundation, 05-84134-000-GSS, July 1, 2005 to January 31, 2007, \$125,000.
- ‘Higher Education and Economic Development in Africa’, March to June 2005, \$30,000.
- ‘Center for Global Demography of Aging’, Principal Investigator, National Institute on Aging, September 30, 2004 to June 30, 2009, \$1,849,728.
- ‘Macroeconomic Policy, Poverty Alleviation and Economic Institutions and Analysis (MACRO II) Technical Assistance Services Under the Support for Economic Growth and Institutional Reform (SEGIR) Project’, subcontractor to The Louis Berger Group, Inc., GEG-I-00-04-00003-00, United States Agency for International Development, September 30, 2004 to September 29, 2009, Indefinite Quantity Contract.
- ‘Business Response to the Global HIV/AIDS Epidemic’, The World Economic Forum, 2004, \$15,000.
- ‘Accelerated Microenterprise Advancement Project Support (AMAP) Business Development Services Sector (BDS)’, Indefinite Quantity Contract, Subcontract GG454-03-02 with The Louis Berger Group, Inc., (under Prime Contract GG454-03-02, United States Agency for International Development), January 1, 2004 to September 29, 2007, \$326,716.
- ‘Reproductive Health and Economic Well Being’, with David Canning, 03-78745-000-GSS, The John D. and Catherine T. MacArthur Foundation, 03-78745-000-GSS, October 1, 2003 to June 30, 2005, \$110,000.

- ‘Study of Computers and Education in Bolivia’, subcontractor to Universidad Católica Boliviana, March 1, 2004 to June 30, 2004, \$28,000.
- ‘Age Transitions and Socioeconomic Change’, with Bo Malmberg and Lene Sommestad, January 2002 to December 2004, Swedish Research Council, \$130,000.
- ‘The Economic Benefits of Immunization’, with David Canning, UNICEF & the Global Alliance for Vaccines and Immunization (GAVI), December 1, 2002 to August 31, 2004, \$119,930.
- ‘Universal Basic and Secondary Education’, with Joel Cohen, American Academy of Arts and Sciences, September 1, 2001 to August 31, 2004, \$1,050,000 (HSPH subcontract \$174,960).
- ‘Research on Secondary Education’, The World Bank, Human Development Network, May to August 2003, \$31,500.
- ‘Assessing the Role of the Private Sector in Combating HIV/AIDS’, UNAIDS, July 1, 2002 to March 31, 2004, \$18,300.
- ‘Impact of AIDS on Private Enterprise in Africa’, UNAIDS, January to June 2003, \$15,000.
- ‘Business Response to the Global HIV/AIDS Epidemic’, World Economic Forum and UNAIDS, 2003, \$43,000.
- ‘Support to the 6<sup>th</sup> International Congress on AIDS in Asia and the Pacific’, Asian Development Bank, TA 5982-REG, June 15, 2001 to March 31, 2004, \$75,000.
- ‘Population Dynamics, Health Status, and Economic Performance in Jordan’, USAID (Partnership for Health Project), January to June 2001, \$45,000.
- ‘Liberalization, Globalization, and Sustainable Human Development in Jamaica’, UNCTAD/UNDP, March 1, 2000 to January 31, 2001, \$96,000.
- ‘Demographic Transitions and Economic Miracles’, with David Canning and Jaypee Sevilla, The Rand Corporation, January to December 2000, \$43,000.
- ‘The Economics of Investing in Health’, with David Canning, World Health Organization, December 1999 to December 2000, \$130,000.
- ‘Human Development in Latin America’, with David Canning, Inter-American Development Bank, April 1, 1999 to December 31, 1999, \$40,000.
- ‘Task Force on Higher Education’, convened by the United Nations Educational, Scientific and Cultural Organization, and the World Bank. Director of Secretariat, Funding from CIDA, Ford Foundation, Hewlett Foundation, NORAD, Novartis, Rockefeller Foundation, SIDA, Tetra Laval Corporation, and the World Bank, December 1997 to December 1999, approximately \$825,000.
- ‘Quality of Life in Rural Asia’, Asian Development Bank, June 1998 to June 1999, \$215,000.

- ‘Health, Fertility, Human Capital, and Economic Growth’, USAID Consulting Assistance on Economic Reform II, July 1998 to June 2000, \$75,000.
- ‘The Demographic Crisis in the Former Soviet Union’, USAID Consulting Assistance on Economic Reform II, September 1997 to April 1998, \$54,000.
- Emerging Asia Study, Overall Academic Coordinator, with Jeffrey Sachs, Asian Development Bank, \$642,000; also thematic leader with Jeffrey Williamson for section on Demography and Human Resource Development, 1996–97.
- ‘The Effect of the Pension System in South Africa’, Principal Investigator, National Institutes of Health grant to National Bureau of Economic Research for pilot study, September 1997 to September 1999, \$54,000.
- ‘Enhancing the Care of People with HIV Disease and Other Related Health Issues in Developing Countries: Needs, New Approaches, Impacts, and Costs’, Co-Investigator, Harvard AIDS Institute, Harvard School of Public Health, Merck Corporation Foundation, January 1998 to December 2002, approximately \$3 million.
- ‘Economic Implications of AIDS in Asia’, Principal Resource Person, UNDP/ADB, 1994–1996, \$600,000 (for overall project).
- ‘Economic Research on the Generation and Management of Industrial Toxic Waste’, Environmental Protection Agency, September 1, 1992 to August 31, 1995, \$215,000.
- ‘Development of Case Studies in Economic Policy Management’, Economic Development Institute of the World Bank, 1995, \$26,000.
- ‘Development of Case Studies in Economic Policy Management’, Economic Development Institute of the World Bank, 1994, \$24,570.
- Journal of Labor Economics*, special issue in honor of Jacob Mincer, Sloan Foundation, 1993, \$23,913.
- ‘Graduate Fellowships for Economists Developing Area Specialties’, Mellon Foundation, 1991–1993, \$125,000.
- ‘Economics of AIDS in Asia’, United Nations Development Programme, November 1992 to October 1994; also Principal Resource Person for UNDP Regional Project on HIV/AIDS in Asia, November 1991 to December 1993, approximately \$150,000 overall.
- ‘Program in Economic Policy Management’, with Michael Gavin, World Bank, June 1992 to December 1995, about \$4,500,000.
- ‘Program in Transportation and Urban Economics’, United Parcel Service Foundation, 1992, \$80,000.
- ‘The Widening of Earnings Differentials in the U.S.’, with McKinley Blackburn and Richard Freeman, The Levy Institute, July 1, 1990 to June 30, 1991, \$20,500.

- ‘Labor Market Impacts of the AIDS Epidemic’, National Institutes of Health, October 1, 1989 to September 30, 1991, \$181,000.
- ‘Determinants and Consequences of Changes in Marital Status and Family Formation’, with Neil Bennett, Rockefeller Foundation, September 1, 1987 to June 30, 1990, \$61,440.
- ‘Research on the Distribution of Income in the United States, 1967–1984’, Economic Development Administration, October 1, 1986 to December 31, 1987, \$114,500.
- General Research Grant, Alfred P. Sloan Foundation, September 16, 1986 to September 15, 1988, \$25,000.
- ‘Research on the Employment, Earnings, and Fertility of Immigrants to the United States’, with Mark Killingsworth, National Institutes of Health, April 1, 1984 to March 30, 1986, \$141,719.
- ‘Theoretical and Empirical Research on Arbitration’, National Science Foundation, Economics Division and Law and Social Sciences Division, July 1, 1983 to December 31, 1985, \$50,530.
- ‘Research on Delayed Childbearing’, National Institutes of Health, August 31, 1981 to August 31, 1983, \$53,294.