

Curriculum Vitae

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Appointments:

2011- Richard Saltonstall Professor of Population Sciences, Harvard University.
2003 - Professor of Economics and International Health, Harvard University.
1993 - 2002 Professor of Economics, Queen's University Belfast.
1992 - 1993 Associate Professor, Department of Economics, Columbia University.
1989 - 1992 Lecturer in Economics and Fellow of Pembroke College, Cambridge University.
1988 - 1989 Lecturer in Economics, London School of Economics and Political Science.
1987 - 1988 Jean Monnet Fellow, European University Institute.
1984 - 1987 ESRC Postdoctoral Fellow and Fellow of Pembroke College, Cambridge University.
1982 - 1984 Junior Research Officer, Department of Applied Economics, Cambridge University.

Visiting Positions:

2015 –2016 Visiting Professor, Lee Kuan Yew School of Public Policy, National University of Singapore
1998 - 1999 Visiting Professor, Economics Department, Harvard University.
1997 - 1998 Development Associate, Harvard Institute for International Development.
1991 - 1992 Visiting Assistant Professor, Economics Department, Columbia University.

Education:

1979 – 1983 Darwin College, Cambridge University. Ph.D. in Economics. Thesis Title: *The Theory of Wage Bargaining*. Supervisor: Frank Hahn.
1976 - 1979 Queen's University, Belfast. B.A. in Mathematics and Economics.
1969 – 1976 Omagh Academy.

Distinctions:

2004 Honorary Professor, Queen's University Belfast.
1999 The American Physical Society (see *Physics News in 1998*) selected “Universal Features in the Growth Dynamics of Complex Organizations,” as a highlight paper of the year.
1980 Congratulatory letter from the M.Phil. in Economics examiners, Cambridge University.
1979 Pursar Scholarship in Mathematics, Queen’s University Belfast.
1977 Foundation Scholarship, Queen's University Belfast.

Professional Activities:

- 2013-14 Session Organizer, Population Association of America Annual Meeting 2014.
- 2013 Program Committee for the North Eastern University Development Conference (NEUDC) 2013.
- 2012- Member of the Study Group for the development of a global investment framework for women's and children's health for the Partnership for Maternal, Newborn & Child Health (PMNCH).
- 2012- Associate Editor, Journal of the Economics of Ageing.
- 2011-2012 Scientific Program Committee Sixth Annual Research Conference on Population, Reproductive Health and Economic Development, 2012.
- 2010 Reviewer, NIH Social Science and Population Studies R03, R21, and R15 applications.
- 2010 Reviewer, Hewlett and International Institute of Education Dissertation Fellowships.
- 2010 Reviewer NIH Recovery Act Limited Competition: Director's Opportunity for Research in Five Thematic Areas, R01 applications.
- 2009-2010 Member of the Program Committee of the 3rd Biennial Conference of the American Society of Health Economists, 2010.
- 2009 Keynote Address to the Fourth Annual AIID workshop on the Economics of HIV/AIDS, Amsterdam, December 2009.
- 2009 Keynote Address to the 42nd Session of the United Nations Commission on Population and Development, New York, March 2009.
- 2009- Member, Advisory Committee of the Global Aging Monitoring Project (Population Reference Bureau and Stanford Longevity Center).
- 2008- Member of the International Advisory Panel of the Centre of Excellence for Public Health, Northern Ireland.
- 2006- Member of the International Advisory Board of the Scottish Institute for Research in Economics.
- 2007-2008 Member of the Program Committee of the 2nd Biennial Conference of the American Society of Health Economists, 2008.
- 2007-2008 Member of the Advisory Committee for project "Population, Development and Policy," MacArthur Foundation.
- 2007 External assessor, Economic and Social Research Council, UK.
- 2005-2007 Member: Academic Advisory Committee on the UNICEF project, "Indicators and Guidelines for Human Rights Principles in Poverty Reduction for Children."
- 2004-2005 Member: Population and Development Working Group, Center for Global Development, Washington DC.
- 2002-2003 Member of the Northern Ireland Chamber of Commerce Economic Affairs Committee.
- 2002 Keynote Speaker, World Health Organization Conference on Health and Disability, Trieste, Italy, April 2002.
- 2002 Keynote Speaker at the XIII World Congress of the International Economic Association, Lisbon, Portugal, September 2002.

- 2002 Presentation on "New Technologies in Health Care" to the Parliamentary and Scientific Committee, London.
- 2001-2003 External assessor for the award of Ph.D. Scholarships in economics by the Irish Research Council for the Humanities and Social Sciences.
- 1999 -2001 Member of World Health Organization's Commission on Health and Macroeconomics Working Group I.
- 1999-2000 Member of the Program Committee for the European Economic Association Annual Conference, 2000.
- 1995-1997 External examiner for the M.Phil. in Economics at Cambridge University.
- 1993 Review of Economic Studies Lecturer to the Royal Economic Society Annual Conference.
- 1990-1998 Editorial Board Member of the Review of Economic Studies.

Administration:

- 2015- Director, Demographic Dividend Program, Harvard School of Public Health.
- 2015- Member, Committee for the Doctoral Program in Population Sciences, Harvard University.
- 2015 Member, Harvard Corporation Advisory Committee on Shareholder Responsibility.
- 2010- Associate Director of the Harvard Center for Population and Development Studies.
- 2007-2011 Member of the Standing Committee on Appointments and Reappointments, Harvard School of Public Health.
- 2004- Deputy Director, Program on the Global Demography of Aging at Harvard University.
- 2003- Chair of the economics concentration in the doctoral program in Global Health and Population, Harvard School of Public Health.
- 2003-2012 Chair of the doctoral program in Global Health and Population, Harvard School of Public Health.
- 2001-2002 Head of Subject, Economics and Finance, Queen's University Belfast.
- 1999-2001 Head of Economics and Finance Research Group, Queen's University Belfast.

Publications:

Journal Articles

1. Driessen, Julia, Abdur Razzaque, Damian Walker, and David Canning, The Effect of Childhood Measles Vaccination on School Enrollment in Matlab, Bangladesh, forthcoming in *Applied Economics*.
2. Finlay, Jocelyn E., Corrina Moucheraud, Simo Goshev, Francis Levira, Sigilbert Mrema, David Canning, Honorati Masanja, and Alicia Ely Yamin "The Effects of Maternal Mortality on Infant and Child Survival in Rural Tanzania: A Cohort Study." forthcoming in *Maternal and Child Health Journal*.

3. Bowser, Diana, David Canning and Adeyemi Okunogbe, "The Impact of Tobacco Taxes on Mortality in the United States, 1970-2005," forthcoming in *Tobacco Control*.
4. McGovern, Mark E. and David Canning, "Vaccination and All Cause Child Mortality 1985-2011: Global Evidence from the Demographic and Health Surveys," forthcoming in the *American Journal of Epidemiology*.
5. Bloom, David E., David Canning, Alyssa Lubet, "Global Population Aging: Facts, Challenges, Solutions & Perspectives," *Daedalus*, 2015, 144(2), 80-92.
6. Doubova, Svetlana V., Ricardo Pérez-Cuevas, David Canning, and Michael R. Reich, "Access to Healthcare and Financial Risk Protection for Older Adults in Mexico: Secondary Data Analysis of a National Survey." *BMJ Open*, 2015, 5(7), doi:10.1136/bmjopen-2015-007877.
7. McGovern, Mark E., Till Bärnighausen, Joshua Salomon and David Canning, "Using Interviewer Random Effects to Calculate Unbiased HIV Prevalence Estimates in the Presence of Non-Response," *BMC Medical Research Methodology*, 2015, 15(8), 11 pages.
8. Bloom, David E., David Canning and Gunther Fink, "Disease and Development Revisited," *Journal of Political Economy*, 2014, 122(6), pp 1355-1366.
9. Bloom, David E., Michael J. Moore, and David Canning, "Optimal Retirement with Increasing Longevity," *Scandinavian Journal of Economics*, 2014, 116(3) pp 838–858.
10. Bloom, David E., David Canning, Kevin Chan, and Dara Lee Luca, "Higher Education and Economic Growth in Africa", *International Journal of African Higher Education*, 2014, 1.1.
11. Prettnner, Klaus, and David Canning. "Increasing Life Expectancy and Optimal Retirement in General Equilibrium." *Economic Theory*, 2014, 56.1, pp 191-217.
12. Canning, David, Isabel Günther, Sebastian Linnemayr, David Bloom, "Fertility Choice, Mortality Expectations, and Interdependent Preferences. An Empirical Analysis," *European Economic Review*, 2013, 63, pp 273-289.
13. French, Declan, Michael Moore and David Canning, "Nonparametric Estimation of Data Dimensionality Prior to Data Compression: the case of the Human Development Index," *Journal of Applied Statistics*, 2013, 40(9), pp 1853-1863.
14. Bowser, Diana, and David Canning, "The Effect of Health Improvements due to Tobacco Control on Earnings in the United States," *Applied Economics*, 2013, 45(36), pp 5021-5030.

15. Canning, David, "Axiomatic Foundations for Cost Effectiveness Analysis," *Health Economics*, 2013, 22(12), pp 1405–1416.
16. French, Declan, Michael Moore and David Canning, "Is Human Development Multidimensional?" *Journal of International Development*. 2013, 25(4): 445–455.
17. Vollmer, Sebastian, Hajo Holzmann, Florian Ketterer, Stephan Klasen and David Canning, "The Emergence of Three Human Development Clubs," *PLOS One*, 2013, 8(3): e57624. doi:10.1371/journal.pone.0057624.
18. Hogan, Daniel R., Joshua A. Salomon, David Canning, James K. Hammitt, Alan M. Zaslavsky, and Till Bärnighausen, "National HIV Prevalence Estimates for Sub-Saharan Africa: Controlling Selection Bias with Heckman-Type Selection models," *Sexually Transmitted Infections*, 2012, 88(S2), pp i17-i23.
19. Canning, David, "Progress in Health around the World," *Journal of Development Studies*, 2012, 48(12), pp 1784-1798.
20. Canning, David and Paul T. Schultz, "The Economic Consequences of Reproductive Health and Family Planning," *Lancet*, 2012, 380(9837), pp 165-171.
21. Bloom, David E., David Canning and Erica Seiguer Shenoy, "The Effect of Vaccination on Children's Physical and Cognitive Development in the Philippines," *Applied Economics*, 2012, 44(21), pp 2777-2783.
22. Finlay Jocelyn, Emre Ozaltin, and David Canning, "Association of Maternal Age with Infant Mortality, Child Anthropometric Failure, Diarrhoea, and Anaemia for First Births in Low- and Middle-In come Countries," *BMJ Open*, 2011, Vol. 1(2), 1:e000226 doi:10.1136/bmjopen-2011-000226.
23. Canning, David, "The Causes and Consequences of Demographic Transition," *Population Studies*, 2011, Vol. 65(3), pp 353-361.
24. Bärnighausen, Till, Jacob Bor, Speciosa Wandira-Kazibwe, and David Canning, "Interviewer Identity as Exclusion Restriction in Epidemiology," *Epidemiology*, 2011, Vol. 22(3), p 446.
25. Canning, David, Abdur Razzaque, Julia Driessen, Damian G. Walker, Peter Kim Streatfield, and Mohammad Yunus, "The Effect of Maternal Tetanus Immunization on Children's Schooling Attainment in Matlab, Bangladesh: Follow-up of a Randomized Trial," *Social Science and Medicine*, 2011, 72(9) , pp 1429-1436.

26. Bärnighausen, Till, David E. Bloom, David Canning, Abigail Friedman, Orin Levine, Jennifer O'Brien, Lois Privor-Dumm, and Damian Walker, "Rethinking the benefits and costs of childhood vaccination: the example of the Haemophilus Influenzae type b vaccine," *Vaccine*, 2011, 29(13), pp 2371-2380.
27. Bärnighausen, Till, Jacob Bor, Speciosa Wandira-Kazibwe, and David Canning, "Correcting HIV Prevalence Estimates for Survey Non-Participation: an Application of Heckman-type Selection Models to the Zambian Demographic and Health Survey," *Epidemiology*, 2011, 22(1), pp 27-35.
28. Fahrani, Mansoor, S.V. Subramanian, and David Canning, "Effects of State-Level Public Spending on Health on the Mortality Probability in India," *Health Economics*, 2010, 19(11), pp 1361-1376.
29. Bloom, David E., David Canning and Gunther Fink, "Implications of Population Ageing for Economic Growth," *Oxford Review of Economic Policy*, 2010, 26(4), 283-612.
30. Bloom, David E., David Canning and Gunther Fink, "The Graying of Global Population and Its Macroeconomic Consequences," *Twenty-First Century Society: Journal of the Academy of Social Sciences*, 2010, 5(3), pp 233 – 242.
31. Canning, David and Diana Bowser, "Investing in Health to Improve the Wellbeing of the Disadvantaged: Reversing the Argument of Fair Society, Healthy Lives (The Marmot Review)," *Social Science and Medicine*, 2010, Vol. 71(7), pp 1223-1226.
32. Akachi, Yoko and David Canning, "Health Trends in Sub-Saharan Africa: Conflicting Evidence from Infant Mortality Rates and Adult Heights," *Economics and Human Biology*, 2010, Vol. 8(2), pp 273-288.
33. Bloom, David E., David Canning, Guenther Fink and Jocelyn Finlay, "The Cost of Low Fertility in Europe," *European Journal of Population*, 2010, Vol. 26(2), pp 141-158.
34. Bloom, David E., David Canning, Linlin Hu, Yuanli Liu, Ajay Mahal, and Winnie Yip, "The Contribution of Population Health and Demographic Change to Economic Growth in China and India," *Journal of Comparative Economics*, 2010, Vol. 38(1), pp 17-33.
35. Bloom, David E., David Canning, Guenther Fink and Jocelyn Finlay, "Fertility, Female Labor Force Participation, and the Demographic Dividend," *Journal of Economic Growth*, 2009, Vol. 14(2), pp 79-101.
36. Fahrani, Mansoor, S.V. Subramanian, and David Canning, "The Effect of Changes in Health Sector Resources on Infant Mortality in the Short-Run and the Long-Run: a Longitudinal Econometric Analysis," *Social Science and Medicine*, 2009, Vol. 68(11), pp 1918-1925.

37. Bärnighausen, Till, David E Bloom, David Canning, Jennifer O'Brien, "Accounting for the Full Benefits of Childhood Vaccination in South Africa," *South African Medical Journal*, 2008, Vol. 98(11), pp 242-246.
38. Canning, David and Peter Pedroni, "Infrastructure, Long Run Economic Growth, and Causality Tests for Cointegrated Panels," *The Manchester School*, 2008, Vol. 76(5), 504-527.
39. Mahal, Ajay, David Canning, Kunle Odumosu and Prosper Okonkwo, "Assessing the Economic Impact of HIV/AIDS on Nigerian Households; a Propensity Score Matching Approach," *AIDS*, 2008, Vol. 22(S1), pp. 95-101.
40. Bloom, David E. and David Canning, "Global Demographic Change: Dimensions and Economic Significance," *Population and Development Review*, 2008, Vol. 34(S), pp. 17-51.
41. Bloom, David E. and David Canning, "Demographic Change, Fiscal Sustainability, and Macroeconomic Performance," *Public Policy and Aging Report*, 2008, Vol. 17(4), 18-23.
42. Bloom David E., David Canning and Guenther Fink, "Urbanization and the Wealth of Nations," *Science*, 2008, Vol. 319, pp. 772 - 775.
43. Bloom, David E., David Canning, Guenther Fink and Jocelyn Finlay, "Does Age Structure Forecast Economic Growth?" *International Journal of Forecasting*, 2007, Vol. 23(4), pp 569-585.
44. Bloom, David E. and David Canning, "Mortality Traps and the Dynamics of Health Transitions," *Proceedings of the National Academy of Sciences of the United States of America*, 2007, Vol. 104 (41), pp16044-16049.
45. Akachi, Yoko, and David Canning, "The Height of Women in Sub-Saharan Africa: the Role of Health, Nutrition, and Income in Childhood," *Annals of Human Biology*, 2007, Vol. 34(4), pp 397-410.
46. Bloom, David E., and David Canning, "The Preston Curve 30 Years On: Still Sparking Fires," *International Journal of Epidemiology*, 2007, Vol. 36(3), pp498-499.
47. Bloom, David E., David Canning, Rick Mansfield and Michael Moore, "Demographic Change, Social Security Systems, and Savings," *Journal of Monetary Economics*, 2007, Vol. 54(1), pp92-114.
48. Canning, David, "The Economics of HIV/AIDS in Low-Income Countries: The Case for Prevention," *Journal of Economic Perspectives*, 2006, Vol. 20(3), pp 121-142.

49. Bloom, David E. and David Canning, "Europe's Looming Population Bust," *Entre Nous: The European Magazine for Sexual and Reproductive Health*, 2006, Vol. 63, 14-15.
50. Bloom, David E. and David Canning, "Booms, Busts and Echoes," *Finance and Development*, 2006, Vol. 43(3), pp 8-15.
51. Canning, David, "Priority Setting and the 'Neglected' Tropical Diseases," *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 2006, Vol. 100(6), pp 499-504.
52. Alsan, Marcella, David E. Bloom and David Canning, "The Effect of Population Health on Foreign Direct Investment Inflows to Low- and Middle-Income Countries," *World Development*, 2006, Vol. 34(4), pp 613-630.
53. Bloom, David E., David Canning and Mark Weston, "The Value of Vaccination," *World Economics*, 2005, Vol. 6(3), pp 15-39.
54. Bloom, David E., David Canning and Dean T. Jamison, "Health, Wealth and Welfare," *Finance and Development*, 2004, Vol. 31, pp 10-15.
55. Bloom, David E., David Canning and Jaypee Sevilla, "The Effect of Health on Economic Growth: A Production Function Approach," *World Development*, 2004, Vol.32(1), pp1-13.
56. Bloom, David E. and David Canning, "The Health and Wealth of Africa," *World Economics*, 2004, Vol. 5(2), pp 57-81.
57. Bloom, David E. and David Canning, "Contraception and the Celtic Tiger," *Economic and Social Review*, 2003, Vol. 34(3), pp 229-247.
58. Bloom, David E. and David Canning, "From Demographic Lift to Economic Liftoff: The Case of Egypt," *Applied Population and Policy*, 2003, Vol. 1(1), pp 15-24.
59. Bloom, David E., David Canning and Jaypee Sevilla, "Geography and Poverty Traps," *Journal of Economic Growth*, 2003, Vol. 8(4), pp 355-378.
60. Bloom, David E., David Canning and Bryan Graham, "Longevity and Life Cycle Savings," *Scandinavian Journal of Economics*, 2003, Vol. 105(3), pp 319-338.
61. Bloom, David E. and David Canning, "The Health and Poverty of Nations: From Theory to Practice," *Journal of Human Development*, 2003, Vol. 4(1), pp 47-71.

62. Bloom, David E. and David Canning, "Health as Human Capital and its Impact on Economic Performance," *Geneva Papers on Risk and Insurance*, 2003, Vol. 28, pp 304-315.
63. Canning, David, John Spencer and Clifford Jefferson, "Optimal Credit Rationing in Not for Profit Financial Institutions," *International Economic Review*, 2003, Vol. 44(1), pp 243-261.
64. Bloom, David E. and David Canning, "How Demographic Change can Bolster Economic Performance in Developing Countries," *World Economics*, 2003, Vol. 4(4), 1-14.
65. Anderlini, Luca and David Canning, "Structural Stability Implies Robustness to Bounded Rationality," *Journal of Economic Theory*, 2001, Vol. 101(2), pp 395-422.
66. Bloom, David E. and David Canning, "A New Health Opportunity," *Development*, 2001, Vol. 44(1), pp 36-43.
67. Bloom, David E. and David Canning, "Family Planning Programs and National Prosperity – A Response," *Science*, 2000, Vol. 288, p 1748.
68. Bloom, David E., David Canning and Pia Malaney, "Population Dynamics and Economic Growth in Asia," *Population and Development Review*, 2000, Vol. 26(s), pp. 257-290.
69. Bloom, David E. and David Canning, "The Health and Wealth of Nations," *Science*, 2000, Vol. 287, pp 1207-1208.
70. Stanley, H.E., L.A.N. Amaral, D. Canning, P. Gopikrishnan, Y. Lee and Y. Liu, "Econophysics: Can physicists contribute to the science of economics?" *Physica A*, 1999, Vol. 269, pp 156-169.
71. Canning, David, "A Database of World Stocks of Infrastructure: 1950-1995," *The World Bank Economic Review*, 1998, Vol. 12(3), pp 529-548.
72. Canning, David, Luís A. Nunes Amaral, Youngki Lee, Martin Meyer, and H. Eugene Stanley, "Scaling the Volatility of GDP Growth Rates," *Economics Letters*, 1998, Vol. 60(3), pp 335-341.
73. Youngki Lee, Luís A. Nunes Amaral, David Canning, Martin Meyer and H. Eugene Stanley, "Universal Features in the Growth Dynamics of Complex Organizations," *Physical Review Letters*, 1998, Vol. 81(15), pp 3275-3278.
74. Canning, David, "Specialization, Scale Economies and Economic Development," *Economics Letters*, 1996, Vol. 52(1), pp 95-100.

75. Canning, David, Marianne Fay and Roberto Perotti, "Dotazione Infrastrutturale e Crescita Economica," *Revista di Politica Economica*, 1992, Vol. 82, pp 117-154.
76. Canning, David, "Average Behavior in Learning Models," *Journal of Economic Theory*, 1992, Vol. 57(2), pp 442-472.
77. Canning, David, "Rationality, Computability, and Nash Equilibrium," *Econometrica*, 1992, Vol. 60(4), pp 877-898.
78. Canning, David, "Optimal Monetary Policy and Missing Markets," *Economica*, 1989, Vol. 56(224), pp 449-458.
79. Canning, David, "Increasing Returns to Scale in Industry and the Role of Agriculture in Growth," *Oxford Economic Papers*, 1988, Vol. 40(3), pp 463-476.
80. Canning, David, "Monetary Policy Versus Wage Adjustment as a Response to Real Shocks," *Economic Journal*, 1988, Vol. 98(390), pp 75-82.

Books and Monographs

81. Canning, David, Sangeeta Raja and Abdo S. Yazbeck , *From Potential to Reality: What will it take to Harness a Demographic Dividend in Africa?* Forthcoming, Washington D.C., The World Bank.
82. Bärnighausen, Till, David E. Bloom, David Canning, Abigail Friedman, Orin Levine, Jennifer O'Brien, Lois Privor-Dumm and Damian Walker, *The Economic Case for Expanding Vaccination*, Copenhagen Consensus 08, Best Practice Paper, 2008. Available at: <http://www.copenhagenconsensus.com/sites/default/files/vacc.pdf>
83. Bloom, David E., David Canning and Jaypee Sevilla, *The Demographic Dividend: A New Perspective on the Economic Consequences of Population Change*, Population Matters Monograph MR-1274, RAND, Santa Monica, 2003.
84. Canning, David and Roger Tarling, *Wage Floors in the Clothing Industry 1950-1979: A Reappraisal*, London, Twentieth Century Press Ltd., 1985.

Book Chapters

85. Canning David, "Infectious Disease, Injury, and Reproductive Health, Alternative Perspective", in *Global Problems, Smart Solutions: Costs and Benefits*, edited by Bjørn Lomborg, Cambridge University Press, Cambridge 2013, pp 433-438.

86. David E. Bloom, David Canning and Larry Rosenberg, "Demographic Change and Economic Growth, in *Reshaping Tomorrow: Is South Asia Ready for the Big Leap*, edited by Ejaz Ghani, World Bank, Oxford University Press, New Delhi, 2011, pp 31-56.
87. David E. Bloom, David Canning, Gunther Fink, Tarun Khanna, and Patrick Salyer, "Urban Settlement: Data, Measures, and Trends," in *Urbanization and Development: Multidisciplinary Perspectives*, edited by Jo Beall, Basudeb Guha-Khasnobis, and Ravi Kanbur, Oxford University Press, Oxford, 2010, pp 19-40.
88. Bloom, David E., David Canning, and Guenther Fink, "Population Aging and Economic Growth" in *Globalization and Growth*, edited by Michael Spence and Danny Leipziger, Commission on Growth and Development: World Bank, Washington, DC, 2010, pp 297-328.
89. Canning David, "Disease Control: Alternative Perspectives" in *Global Crises, Global Solutions*, 2nd Edition, edited by Bjørn Lomborg, Cambridge University Press, Cambridge, 2009, pp 164-171.
90. Bloom, David E. and David Canning, "Population Health and Economic Growth" in *Health and Growth*, edited by Michael Spence and Maureen Lewis, Commission on Growth and Development: World Bank, Washington, DC, 2009, pp 53-76.
91. Bloom, David E. and David Canning, "Population, Poverty Reduction, and the Cairo Agenda," in *Reproductive Health and Human Rights: The Way Forward*, edited by Mindy Roseman and Laura Reichenbach, University of Pennsylvania Press, 2009, pp 51-59.
92. Canning David, "Commentary on Projected Economic Growth in the People's Republic of China and India: The Role of Demographic Change," in *From Growth to Convergence: Asia's Next Two Decades*, edited by Fan Zhai, Asian Development Bank, Palgrave Macmillan, Basingstoke, 2009, pp 273-283.
93. Canning David, "Commentary on Infrastructure as a Catalyst for Regional Integration, Growth, and Economic Convergence: Scenario Analysis for Asia," in *From Growth to Convergence: Asia's Next Two Decades*, edited by Fan Zhai, Asian Development Bank, Palgrave Macmillan, Basingstoke, 2009, pp 146-149.
94. Bloom, David E. and David Canning, "The Economic Implications of Population Health," *New Palgrave Dictionary of Economics*, 2nd Edition, edited by Steven Durlauf and Larry Blume, Macmillan, New York, 2008, Vol. 6, pp 516-521.
95. Canning, David, "The Effect of Longevity on the Global Economy," in *Longevity: A Challenge for Science and Society*, Federation Internationale de Personnes Agees, Paris, 2007, pp 97-100.

96. Alsan, Marcellea, David E. Bloom, David Canning and Dean Jamison, "The Consequences of Population Health for Economic Performance," in *Health, Economic Development and Household Poverty*, edited by Sara Mills, Lucy Gibson and Anne Mills, Routledge, Oxford, 2007, pp 21-39.
97. Bloom, David E., David Canning, Michael Moore and Younghwan Song, "The Effect of Subjective Survival Probabilities on Retirement and Wealth in the United States" in *Population Aging, Intergenerational Transfers And The Macroeconomy*, edited by Robert Clark, Naohiro Ogawa, and Andrew Mason, Edward Elgar Publishing, Cheltenham, UK, 2007, pp 67-97.
98. Bloom, David E., David Canning, Bryan Graham and Jaypee Sevilla, "Improving health: a key to halving global poverty by 2015," in *Solving the Riddle of Globalization and Development*, edited by David E. Bloom and Manuel R. Agosin, Routledge, 2006, pp 104-124.
99. Bloom, David E. and David Canning, "Closing the Loop, Latin America, Globalization and Human Development," in *Solving the Riddle of Globalization and Development*, edited by David Bloom and Manuel Agosin, Routledge, 2006, pp 174-192.
100. Bloom, David E. and David Canning, "Global Demography: Fact, Force and Future," in *Demography and Financial Markets*, edited by Christopher Kent, Anna Park, and Daniel Rees, Sydney, Reserve Bank of Australia, 2006, pp 12-39.
101. Canning, David, Ajay Mahal, Odumosu K, Okonkwo P. "The Impacts of HIV/AIDS on Nigerian Households," in *AIDS in Nigeria: A Nation on the Threshold*, edited by Adeyi O, Idoko J, Kanki PJ, Odutolu O., 2006, Harvard University Press, pp 193-212.
102. Canning D, Mahal A, Odumosu K, Okonkwo P. "The Impacts of HIV/AIDS on the Private Sector," in *AIDS in Nigeria: A Nation on the Threshold*, edited by Adeyi O, Idoko J, Kanki PJ, Odutolu O., 2006, Harvard University Press, pp 175-192.
103. Canning D, Mahal A, Odumosu K, Okonkwo P., Soyibo A. "Expenditure on HIV/AIDS and their Policy Implications," in *AIDS in Nigeria: A Nation on the Threshold*, edited by Adeyi O, Idoko J, Kanki PJ, Odutolu O., 2006, Harvard University Press, pp 515-536.
104. Ruger JP, Bloom DE, Jamison DT, Canning D. "Health and the Economy," in *International Public Health*, 2nd edition, M.H. Merson, R.E. Black, and A.J. Mills editors, 2005, London, Jones and Bartlett, pp 601-680.
105. Bloom, David E. and David Canning, "Population, Poverty Reduction, and the Cairo Agenda," in *Seminar on the Relevance of Population Aspects for the Achievement of the Millenium Development Goals*, 2005, United Nations, New York, XXI, pp 1-11.

106. Bloom, David E. and David Canning, "Global Demographic Change: Dimensions and Economic Significance," in *Global Demographic Change: Economic Impacts and Policy Challenges*, 2005, Federal Reserve Bank of Kansas City, pp 9-56.
107. Canning, David, "Neglected Diseases – the Health Economics Perspective" in *Intensified Control of Infectious Diseases*, World Health Organization, Geneva, 2004, pp 19-23.
108. Bloom, David E. and David Canning, "Health," in *World at Risk: A Global Issues Sourcebook*, Washington DC, CQ Press, 2002, pp 278-297.
109. Bloom, David E. and David Canning , "Cumulative Causality, Economic Growth and the Demographic Transition," in *Population Matters: Demographic Change, Economic Growth, and Poverty in the Developing World*, edited by N. Birdsall, A.C. Kelley, and S.W. Sinding, Oxford University Press, New York, 2001, pp 165-197.
110. Canning, David, "Learning and Efficiency in Common Interest Signaling Games," in *The Dynamics of Norms*, edited by and C. Bicchieri, R. Jeffrey and B. Skyrms, Cambridge University Press, 1997, pp 67-86.
111. Canning, David, "Learning and Social Equilibrium in Large Populations," in *Learning and Rationality in Economics*, edited by A. Kirman and M. Salmon, Basil Blackwell Ltd., 1995, pp 308-323.
112. Canning, David, Marianne Fay and Roberto Perotti, "Infrastructure and Growth," in *International Differences in Growth Rates*, edited by M. Baldassarri, L.Paganetto and E. Phelps, London, Macmillan Press Ltd., 1994, pp 113-148.
113. Canning, David, "Bargaining Theory," in *The Economics of Missing Markets, Information and Games*, edited by F. Hahn, Oxford, Oxford University Press, 1989, pp 163-187.
114. Canning, David, John Rhodes and Barry Moore, "Economic Growth in Northern Ireland: Problems and Prospects," in *Beyond the Rhetoric*, edited by Paul Teague, Lawrence and Wishart Ltd., London, 1987, pp 211-235.

Book Reviews

115. Canning, David, "The Great Escape: Health, Wealth, and the Origins of Inequality by Angus Deaton," Book Review, *Journal of Human Development and Capabilities*, 2015, Vol 16(2), pp 309-311.
116. Canning, David, "Northern Ireland: The Political Economy of Conflict by B. Rowthorn and N Wayne," Book Review, *Economica*, 1989, Vol. 56, p 534.

117. Canning, David, "Optimal Bidding" a Review of Games and Information: An Introduction to Game Theory by Eric Rasmusen, Book Review, *Times Higher Education Supplement*, 1989, No. 867, p. 22.

Datasets:

Infrastructure Database: Annual international data on road length, railways length, electricity generating capacity and telephone main lines, over the period 1950-2005.

Social Security Database: International data on public pension systems. Coverage, retirement incentive and replacement rates (divided between pay as you go and fully funded) over the period 1961-2002.

Abortion Law Database: Annual international data on abortion laws. Legality of abortion by seven categories: life of the mother, physical health of the mother, mental health of the mother, rape or incest, fetal impairment, economic or social reasons, on demand. Data for the period 1960-2006.

Datasets are available online at:

<http://www.hsph.harvard.edu/faculty/david-canning/>

Refereeing Economics and Human Biology, Economics Letters, European Journal of Health Economics, Journal of Applied Econometrics, Journal of Development Economics, Journal of Economic Theory, Journal of Health Economics, Journal of Population Economics, Review of Economics and Statistics, Social Science and Medicine.

Seminars and Conference Presentations 2012-13

David Canning, The economic consequences of reproductive health and family planning, Senate Briefing, Washington D.C., April 12, 2013.

David Canning, Authors Meet Critics: Population Aging and the Generational Economy, Population Association of America Annual Meeting, New Orleans, April 11, 2013.

David Canning, Demographic Dividend in Africa, Joint Annual Meeting of African Union and Economic Commission for Africa, Abidjan, Cote d'Ivoire, March 21-26, 2013.

Elina Pradhan and David Canning. The Effect of Education on Fertility: Evidence from the Abolition of School Fees in Ethiopia, 7th Annual POPPOV Conference, Oslo Norway, 23-26 January 2013.

David Canning. Health's effects on income, Lancet Commission on Investing in Health, Harvard University, 18-20 December 2012.

David Canning. The economic consequences of reproductive health and family planning. *Lancet* Family Planning Symposium, London, 10 July 2012.

David Canning, The Promise of the Demographic Dividend, Center for Strategic and International Studies, Roundtable on Demography and Development, Washington D.C. 27 June 2012.

David Canning, Panel on generation of macro-level evidence of demographic dividend. Demographic Dividend Stakeholders Meeting, Washington D.C., 17-18 May 2012.

David Canning. The Effect of Fertility on Female Labor Supply in Africa: Estimating Treatment Effects with a Hazard of Treatment, 6th Annual POPPOV Conference, Accra Ghana. 18-21 January 2012.

David Canning. Birth Timing and the Mommy Track in the United States, Harvard Center for Population and Development Studies, Friday Seminar, September 26, 2011.

Teaching:

I have taught a wide variety of courses at different levels. My current teaching is:
GHP 225 Population, Health and Development, 5 credits, Fall semester.

Major university courses I have taught in the past include:

Graduate Level:

Advanced Microeconomic Theory.

Development Economics.

Graduate Research Seminar in Development Economics.

Microeconomics and Applications to Public Health in Developing Countries.

International Health Economics

Undergraduate Level:

Economic Principles.

Intermediate and Advanced Microeconomics.

Economics of Information.

Development Economics.

Applied Econometrics.

Population and Health Economics

I have advised a number of doctoral students.

Graduated Doctoral Students:

- Abhinay Muthoo, Ph.D., Cambridge University, 1988. Thesis: Bargaining Theory (advisor).
- Debora Di Gioacchino, Ph.D., Cambridge University, 1995. Thesis: Essays on Learning and Evolution (advisor).
- Lutfun Osmani, Ph.D., Queen's University, Belfast, 1998. Thesis: Credit and Women's Relative Well-Being: A Case study of the Grameen Bank, Bangladesh (advisor).
- Seamus McGuinness, Ph.D., Queen's University, Belfast, 2003, Graduate Overeducation and the Northern Ireland Labour Market (advisor).
- Yoko Akachi, D.Sc., Harvard School of Public Health, 2007. Thesis: Childhood Health, Nutrition, and Adult Height in Developing Countries (advisor).
- Iris Boutros, D.Sc., Harvard School of Public Health, 2008. Thesis: Social Grants and Child Outcomes in KwaZulu-Natal, South Africa (advisor).
- Till Bärnighausen, D.Sc., Harvard School of Public Health, 2008. Thesis: HIV Status and HIV Incidence; Body mass and Blood pressure, and their Determinants: Findings from a Longitudinal Population-Based HIV Surveillance in Rural South Africa (advisor).
- Mansour Farahani, D.Sc., Harvard School of Public Health, 2008. Thesis: On the Determinants of Mortality: the Effects of Health System Resources (advisor).
- Andrew Mitchell, D.Sc., Harvard School of Public Health, 2009. Thesis: Prospective Payment and Hospital Behavior in Taiwan (advisor).
- Speciosa Wandira, D.Sc., Harvard School of Public Health, 2009. Thesis: HIV in Uganda: Measuring Seroprevalence, Mortality and Impacts on Living Arrangements (research committee member).
- Anne Austin D.Sc., Harvard School of Public Health, 2010. Thesis: Maternal and Child Nutritional Trends in Egypt 1995-2005 (research committee member).
- Diana Bowser, D.Sc., Harvard School of Public Health, 2010. Thesis: Health and Economic Growth in the Mississippi River Delta Region (research committee member).
- Winnie Fung, Ph.D., Economics, Harvard University, 2010. Thesis: Infectious Disease, Malnutrition, and Economic Development (research committee member).
- Tobenna Anekwe, D. Sc. Harvard School of Public Health, 2011. Thesis: Childhood Vaccination and Human Capital Outcomes in South Africa and India
- Shufang Zhang, D.Sc. Harvard School of Public Health, 2011. Thesis: The Impact of Public Anti-smoking Behavior among Older Americans (research committee member).
- Annie Chu, D.Sc. Harvard School of Public Health, 2011. Thesis: The Effect of the GAVI Alliance on childhood immunization coverage (advisor).
- Emre Ozaltin, D.Sc. Harvard School of Public Health, 2012. Thesis: Maternal Height & the Inter-generational Transmission of Health (research committee member).
- Hiroaki Matsuura, D.Sc. Harvard School of Public Health, 2012. Thesis: Rights, Health Laws, and Health Outcomes (advisor).
- Ana Aguilar Rivera, D.Sc. Harvard School of Public Health, 2012. Thesis: The effect of women's schooling on fertility, its proximate determinants, and infant mortality: Evidence from compulsory education laws in Latin America (advisor).
- Jeremy Barofsky, D.Sc., Harvard School of Public Health, 2012. Thesis: Measuring the Impact and Reasons for Take-Up of Health Insurance in Developing Nations: Evidence from Mexico's Seguro Popular (advisor).

Jacob Bor, D.Sc., Harvard School of Public Health, 2013. Thesis: Public Policy and HIV/AIDS in South Africa (advisor).

Plamen Nikalov, D.Sc., Harvard School of Public Health, 2013. Thesis: Essays in Applied Microeconomics of Development (research committee member).

Huan-Ying Lin, D.Sc., Harvard School of Public Health, 2013. The Impact of Public-Sector Governance on Health Development: An Empirical Investigation (research committee member).

Anusha Vable, D.Sc., Harvard School of Public Health, 2014. Changes to the Social Patterning of Economic Resources and the Distribution of Mental and Biological Health Markers (research committee member).

Current Doctoral Students (Advisees): Jesse Heitner, Mahesh Karra, Akshar Saxena, Carlos Riumallo-Herl..

Postdoctoral Fellows

2006-2008 Gunther Fink, Jocelyn Finlay.

2007-2008 Isabel Gunther.

2007-2009 Sebastian Linnemayr.

2009-2011 Sebastian Vollmer, Margaret McConnell.

2010-2012 Klaus Prettnner.

2012-2015 Mark McGovern.

2015- Ray Miller.

I have also helped organize and present short courses and executive workshops on population, health and economic development.

Field Work

I have carried out projects on a household and provider survey for national AIDS accounts in Nigeria, a study on labor law reform in Mozambique and provided advice on macroeconomic forecasting for the finance ministry in Bulgaria. I worked on the long term economic effects of vaccination in Bangladesh and South Africa. My current field work involves studies of economics and welling among older people in India (LASI study) and Africa (HAALSI study) and randomized trials on the long term health and economic effects of improving access to family planning in Burundi, Kenya, Nepal, Sri Lanka and Tanzania.

Funded Research

Agency: Anonymous

Project Title: Studying the impact and performance of institutionalizing immediate post-partum IUD services as a routine part of antenatal counselling and delivery room services in Sri Lanka, Tanzania, and Nepal

Role: Co-Principal Investigator.

Dates: January 2015- December 2017

Agency: National Institute of Aging (R01)
Project Title: Welfare Effects of Balancing the Federal Social Security and Health Care Budgets
Role: Principal Investigator.
Dates: July 2014- June 2019

Agency: The William and Flora Hewlett Foundation
Project Title: The Impact of Family Planning Interventions in Africa: Evidence from Two Randomized Trials
Role: Principal Investigator.
Dates: July 2014 – August 2017.

Agency: National Institute of Aging (P30)
Project Title: Economics and Demography Center: Global Demography of Aging
Role: Deputy director, Principal Investigator – Core D.
Dates: September 2014 – September 2019.

Agency: National Institute of Aging (P01)
Project Title: Health and aging Africa: Longitudinal studies of 3 INDEPTH Communities (HAALSI)
Role: Principal Investigator Project 4 – Economics and Wellbeing.
Dates: August 2013- August 2016

Agency: The Bill and Melinda Gates Institute for Population and Reproductive Health
Project Title: The Effect of Child Mortality on Fertility
Role: Co-Principal Investigator.
Dates: September 2012 – December 2013.

Agency: The William and Flora Hewlett Foundation
Project Title: The Economic Impacts of Population and Reproductive Health.
Role: Principal Investigator.
Dates: July 2011 – August 2014.

Agency: National Institute of Aging
Project Title: Economics and Demography Center: Global Demography of Aging
Role: Principal Investigator – Core D.
Dates: September 2009 – September 2014.

Agency: The William and Flora Hewlett Foundation
Project Title: The Economic Impacts of Population and Reproductive Health.
Role: Principal Investigator.
Dates: September 2008 – July 2011.

Agency: National Institute of Aging
Project Title: The Effect of Subjective Survival Probabilities on Retirement and Saving
Role: Principal Investigator.
Dates: September 2008 – June 2009.

Agency: World Bank
Project Title: The Effect of Population Health on Economic Growth.
Role: Principal Investigator.
Dates: August 2007 – September 2008.

Agency: The William and Flora Hewlett Foundation
Project Title: The impact of reproductive health and population dynamics on economic development.
Role: Principal Investigator.
Dates: August 2005 – June 2008.

Agency: National Institute of Aging
Project Title: Economics and Demography Center: Global Demography of Aging
Role: Principal Investigator – Core D.
Dates: September 2004 – September 2009.

Agency: The John D. and Catherine T. MacArthur Foundation
Project Title: Reproductive Health and Economic Well-Being.
Role: Co- Principal Investigator.
Dates: April 2004 – July 2005.

Agency: Global Alliance for Vaccination and Immunization.
Project Title: The Economic Impact of Immunization.
Role: Principal Investigator.
Host Institution: Harvard School of Public Health.
Dates: August 2003 – June 2004.

Agency: World Health Organization.
Project Title: The Effects of Demographic Change on Aggregate Economic Performance.
Role: Principal Investigator.
Dates: January 2000 – May 2001.

Agency: World Health Organization.
Project Title: Baseline documentation of Health and Economic Growth Linkages.
Role: Principal Investigator.
Dates: January 2000 – May 2000.

Agency: U.S. Agency for International Development.

Project Title: Telecommunications, Information Technology and Economic Growth.
Role: Principal Investigator.
Dates: July 1998–June 2000.

Agency: U.S. Agency for International Development.
Project Title: Telecommunications Infrastructure and Economic Growth in Egypt.
Role: Principal Investigator.
Dates: January-February 1999.

Agency: Inter-American Development Bank
Project Title: Population Change and Human Development in Latin America.
Role: Principal Investigator.
Dates: April- December 1999.

Agency: U.S. Agency for International Development.
Project Title: Labor Law Reform in Mozambique.
Role: Principal Investigator.
Dates: February – March 1999.

Agency: Irish Economic and Social Research Council.
Project Title: Growth, Exchange Rates and Competitiveness.
Role: Co-Principal Investigator.
Dates: February-December 1996.

Agency: European Economic Community.
Project Title: European Research Network on Economic Growth.
Role: Co-Principal Investigator.
Dates: June 1993- April 1995.