

HEALTH, INEQUALITY AND DEVELOPMENT

Fall Semester 2015

Objective: The course will be focused on an examination of the constitutive role of health in human development, and its instrumental role in economic development. It will include discussion of the conceptual issues and measurement problems in health studies, and also in assessing inequalities in health and healthcare. The correspondence and dissonance in the links between income inequality and health inequality will be investigated, and the challenge of instituting universal health care in poor countries will be examined.

Content: Topics to be covered in the course will include the following, with topic-specific readings appended.

General readings

P. E. Farmer, *Pathologies of Power*, University California Press, Berkeley 2003.

A. S. Deaton, *The Great Escape: Health, Wealth, and the Origins of Inequality*, Princeton University Press, Princeton, NJ, 2013.

S. Anand, F. Peter and A. Sen (eds.), *Public Health, Ethics, and Equity*, Oxford University Press, Oxford and New York, 2004. [Hereafter abbreviated to *APS*.]

N. Eyal, S. A. Hurst, O. F. Norheim and D. Wikler (eds.), *Inequalities in Health: Concepts, Measures, and Ethics*, Oxford University Press, New York, 2013.

A. Sen, *The Idea of Justice*, Allen Lane, London and Harvard University Press, Cambridge, MA, 2009. [Hereafter referred to as *IOJ*.]

P. E. Farmer, J. Y. Kim, A. Kleinman and M. Basilico, *Reimagining Global Health: An Introduction*, University of California Press, Berkeley, 2013.

D. Stuckler and S. Basu, *The Body Economic: Why Austerity Kills*, Basic Books, New York, NY, 2013.

N. Daniels, *Just Health: Meeting Health Needs Fairly*, Cambridge University Press, Cambridge, UK and New York, USA, 2008.

J. Drèze and A. Sen, *An Uncertain Glory: India and its Contradictions*, Princeton University Press, Princeton, NJ, 2013.

A. V. Banerjee and E. Duflo, *Poor Economics*, PublicAffairs, New York, 2011.

Session 1: Concepts of health and ill-health: internal and external perspectives

A. Sen, “Health Achievement and Equity: External and Internal Perspectives”, Chapter 13 in *APS*.

A. Kleinman, “Ethics and Experience: An Anthropological Approach to Health Equity”, Chapter 14 in *APS*.

A. Kleinman, “A Critique of Objectivity in International Health”, in *Writing at the Margin: Discourse between Anthropology and Medicine*, University of California Press, Berkeley, 1995.

L. Chen and C. J. L. Murray, “Understanding Morbidity Change”, *Population and Development Review*, 18(Sep), 1992, 481-504.

A. Sen, “Objectivity and Position: Assessment of Health and Well-being”, in (eds.) L. Chen, A. Kleinman and N. Ware, *Health and Social Change in International Perspective*, Harvard University Press, Cambridge, MA, 1994, Chapter 5, pp. 115-128.

A. Sen, “Health: Perception versus Observation”, *British Medical Journal*, Vol. 324, April 2002, 860-861.

Session 2: Health metrics: DALYs and the Global Burden of Disease

C. J. L. Murray, “Quantifying the Burden of Disease: the Technical Basis for Disability-Adjusted Life Years”, *Bulletin of the World Health Organization*, Vol. 72, 1994, 429-445.

S. Anand and K. Hanson, “Disability-Adjusted Life Years: A Critical Review”, *Journal of Health Economics*, Vol. 16, 1997, 685-702 [reprinted as Chapter 9 in *APS*.]

S. Anand and K. Hanson, “DALYs: Efficiency Versus Equity”, *World Development*, Vol. 26, No. 2, 1998, 307-10.

A. Williams, “Calculating the Global Burden of Disease: Time for a Strategic Reappraisal?”, *Health Economics*, Vol. 8, 1999, 1-8.

T. Tan-Torres Edejer, R. Baltussen, T. Adam, R. Hutubessy, A. Acharya, D. B. Evans and C. J. L. Murray (eds.), *Making Choices in Health: WHO Guide to Cost-Effectiveness Analysis*, World Health Organization, Geneva, 2003.

Global Burden of Disease Study 2010, *The Lancet*, Vol. 380, Issue 9859, December 13, 2012.

C. J. L. Murray, M. Ezzati, A. D. Flaxman, et al., “GBD 2010: Design, Definitions, and Metrics”, *The Lancet*, Vol. 380, 2012, December 15/22/29, 2063-2066.

C. J. L. Murray, M. Ezzati, A. D. Flaxman, et al., “Comprehensive Systematic Analysis of Global Epidemiology: Definitions, Methods, Simplification of DALYs, and Comparative Results from the Global Burden of Disease Study 2010”, *The Lancet*, Vol. 380, 2012, December 15/22/29, Supplementary Appendix, 1-141.

Session 3: The concern with equity in health; gender and health

S. Anand, “The Concern for Equity in Health”, *Journal of Epidemiology and Community Health*, Vol. 56, No. 7, July 2002 [reprinted as Chapter 1 in *APS*.]

A. Sen, “Why Health Equity?”, *Health Economics*, Vol. 11, No. 8, 2002, 659-666 [reprinted as Chapter 2 in *APS*.]

S. R. Osmani and A. Sen, “The hidden penalties of gender inequality: fetal origins of ill-health”, *Economics & Human Biology*, Vol. 1(1), January 2003, 105-121.

A. Sen, “Missing Women – Revisited”, *British Medical Journal*, Vol. 327, December 2003.

A. Sen, “India’s Women: The Mixed Truth”, *The New York Review of Books*, Vol. LX, No. 15, 10 October 2013, pp. 24-27.

Session 4: The role of health in human and economic development

A. Sen, “Mortality as an Indicator of Economic Success and Failure”, *Economic Journal*, Vol. 108, Issue 446, 1998, 1-25.

S. Anand and M. Ravallion, “Human Development in Poor Countries: On the Role of Private Incomes and Public Services”, *Journal of Economic Perspectives*, Vol. 7(1), Winter 1993, 133-150.

J. Drèze and A. Sen, *An Uncertain Glory: India and its Contradictions*, Princeton University Press, Princeton, NJ, 2013, Chapter 3, pp. 45-80.

S. Anand and A. Sen, “Human Development Index: Methodology and Measurement”, Human Development Report Office, Occasional Paper No. 12, UNDP, New York, 1993. [Reprinted in (eds.) S. Fukuda-Parr and A. K. Shiva Kumar, *Readings in Human Development*, Oxford University Press, New Delhi, 2003, pp. 114-127.]

D. Acemoglu and S. Johnson, “Disease and Development: The Effect of Life Expectancy on Economic Growth”, *Journal of Political Economy*, Vol. 115(6), December 2007, 925-985.

M. Spence and M. Lewis (eds.), *Health and Growth*, Commission on Growth and Development, The World Bank, Washington, DC, 2009.

D. N. Weil, “Accounting for the Effect of Health on Economic Growth”, *Quarterly Journal of Economics*, Vol. 122(3), 2007, 1265-1306.

Q. H. Ashraf, A. Lester and D. N. Weil, “When does Improving Health raise GDP?”, *NBER Macroeconomics Annual*, April 2009, 157-204.

Session 5: Hunger, nutrition, famines and health

J. Drèze and A. Sen, *Hunger and Public Action*, Clarendon Press, Oxford, 1989, Chapters 5-7, pp. 65-121.

A. Sen, *Poverty and Famines: An Essay on Entitlement and Deprivation*, Oxford University Press, Oxford and New York, 1981, Chapters 4-6, pp. 39-85.

S. R. Osmani (ed.), *Nutrition and Poverty*, Clarendon Press, Oxford, 1992.

S. Anand, C. Harris and O. Linton, “On Ultrapoverty”, in (eds.) K. Basu and R. Kanbur, *Arguments for a Better World: Essays in honor of Amartya Sen, Volume I*, Oxford University Press, Oxford and New York, 2008, Chapter 17, pp. 311-336.

Session 6: Measurement of inter-individual and inter-group inequalities in health

S. Anand, F. Diderichsen, et al., “Measuring Disparities in Health: Methods and Indicators”, in (eds.) T. G. Evans et al., *Challenging Inequities in Health: From Ethics to Action*, Oxford University Press, New York, 2001, pp. 48-67.

S. Anand and S. Nanthikesan, “A Compilation of Length-of-Life Distribution Measures for Abridged Life Tables”, Working Paper Series, Vol. 11, No. 4, Harvard Center for Population and Development Studies, Cambridge, MA, April 2001.

A. Sen, *Inequality Reexamined*, Clarendon Press, Oxford and Harvard University Press, Cambridge, MA, 1992, Chapter 6, pp. 88-93, Chapter 8, pp. 117-125, and Chapter 9, pp. 141-147.

S. Anand and A. Sen, “Gender Inequality in Human Development: Theories and Measurement”, *Background Papers – Human Development Report 1995*, UNDP, New York, 1996. [Reprinted in (eds.) S. Fukuda-Parr and A. K. Shiva Kumar, *Readings in Human Development*, Oxford University Press, New Delhi, 2003, pp. 186-203.]

S. Anand and S. Nanthikesan, “The Evolution of Inequality in Length-of-Life: France 1806 – 1987”, Working Paper Series, Vol. 11, No. 3, Harvard Center for Population and Development Studies, Cambridge, MA, February 2001.

Session 7: The relation between income inequality and population health

R. G. Wilkinson and K. E. Pickett, *The spirit level: Why more equal societies almost always do better*, Allen Lane, London, 2009.

R. G. Wilkinson and K. E. Pickett, “Income inequality and population health: A review and explanation of the evidence”, *Social Science & Medicine*, Vol. 62, 2006.

A. S. Deaton, “Health, Inequality, and Economic Development”, *Journal of Economic Literature*, Vol. 41, No. 1, March 2003, 113-158.

J. Lynch, G. Davey Smith, et al., “Is Income Inequality a Determinant of Population Health? Part 1. A Systematic Review”, *Milbank Quarterly*, Vol. 82(1), March 2004, 5-99.

S. V. Subramanian and I. Kawachi, “Income Inequality and Health: What Have We Learned So Far?”, *Epidemiologic Review*, Vol. 26, No. 1, July 2004, 78-91.

Session 8: Social and other determinants of health – including sanitation, safe water and environmental protection

M. Marmot, “Social determinants of health inequalities”, *The Lancet*, Vol. 365, Issue 9464, 2005.

Commission on Social Determinants of Health, *Closing the Gap in a Generation: Health Equity through Action on the Social Determinants of Health*. Final Report of the Commission on Social Determinants of Health, World Health Organization, Geneva, 2008. http://whqlibdoc.who.int/publications/2008/9789241563703_eng.pdf

J. Bartram and S. Cairncross, “Hygiene, Sanitation, and Water: Forgotten Foundations of Health”, *PLOS Medicine*, Vol. 7(11), November 2010.

S. Friel, M. Marmot, et al., “Global health equity and climate stabilisation: a common agenda”, *The Lancet*, Vol. 372, Issue 9650, November 2008, 1677-1683.

Session 9: Health systems and universal health coverage: Comparing India and China

A. Sen, “Quality of Life: India vs. China”, *The New York Review of Books*, 12 May 2011.

J. Drèze and A. Sen, *An Uncertain Glory: India and its Contradictions*, Princeton University Press, Princeton, NJ, 2013, Chapter 6, pp. 143-181.

D. Blumenthal and W. C. Hsiao, “Privatization and its discontents – the evolving Chinese health care system”, *New England Journal of Medicine*, Vol. 353, 2005, 1165-1170.

W. C. Yip, W. C. Hsiao, W. Chen, et al., “Early appraisal of China’s huge and complex health-care reforms”, *The Lancet*, Vol. 379, 2012, 833-842.

K. J. Arrow, “Uncertainty and the Welfare Economics of Medical Care”, *American Economic Review*, 1963, 941-973.

U. E. Reinhardt, “Can Efficiency in Health Care be left to the Market?”, *Journal of Health Politics, Policy and Law*, Vol. 26(5), 2001, 967-992.

Session 10: Health systems and universal health coverage (continued): Thailand and Rwanda

Thailand

K. Damrongplasit and G. A. Melnick, “Early results from Thailand’s 30 Baht health reform: something to smile about”, *Health Affairs*, Vol. 28, 2009, 457-466.

W. Patcharanarumol, V. Tangcharoensathien, S. Limwattananon, et al., “Why and how did Thailand achieve good health at low cost”, in (eds.) D. Balabanova, M. McKee and A. Mills, “*Good Health at Low Cost*” 25 years on: *What makes a Successful Health System*, London School of Tropical Medicine and Hygiene, London, 2011, pp. 193-223.

J. Gruber, N. Hendren and R. M. Townsend, “The Great Equalizer: Health Care Access and Infant Mortality in Thailand”, *American Economic Journal, Applied Economics*, Vol. 6(1), 2014, 91-107.

A. Sen, “Universal healthcare: the affordable dream”, *The Guardian*, 6 January 2015.

D. Stuckler and S. Basu, *The Body Economic: Why Austerity Kills*, Basic Books, New York, NY, 2013, Chapter 3.

Rwanda

S. Anand, C. Desmond, et al., *The Cost of Inaction: Case Studies from Rwanda and Angola*, Harvard University Press, Cambridge, MA, 2012.

P. Drobac, M. Basilico, L. Messac, D. A. Walton and P. E. Farmer, “Building an Effective Rural Health Delivery Model in Haiti and Rwanda”, in P. E. Farmer et al., *Reimagining Global Health: An Introduction*, University of California Press, Berkeley, 2013.

P. E. Farmer, C. T. Nutt, C. M. Wagner, et al., “Reduced premature mortality in Rwanda: Lessons from Success”, *British Medical Journal*, Vol. 384, 2013, 20-22.

P. E. Farmer, “Chronic Infectious Disease and the Future of Health Care Delivery”, *New England Journal of Medicine*, Vol. 369, 2013, 2435-2447.

A. Kalk, “Rwanda’s health system: some concerns”, *The Lancet*, Vol. 372, 2008.

C. Lu, B. Chin, J. L. Lewandowski, et al., “Towards universal health coverage: an evaluation of Rwanda Mutuelles in its first eight years”, *PLOS ONE* 2012; 7: e39282.

A. Binagwaho, P. E. Farmer, et al., “Rwanda 20 years on: investing in life”, *The Lancet*, Vol. 384, Issue 9940, 2014, 371-375.

Session 11: The health workforce – and health outcomes

L. Chen, T. Evans, S. Anand, et al., “Human resources for health: overcoming the crisis”, *The Lancet*, Vol. 364, Issue No. 9449, November 2004, 1984-1990.

S. Anand and T. Bärnighausen, “Human resources and health outcomes: cross-country econometric study”, *The Lancet*, Vol. 364, Issue No. 9445, October 2004, 1603-1609.

S. Anand and T. Bärnighausen, “Health workers and vaccination coverage in developing countries: an econometric analysis”, *The Lancet*, Vol. 369, Number 9569, April 2007, 1277-1285.

S. Anand, V. Fan, et al., “China’s human resources for health: quantity, quality, and distribution”, *The Lancet*, Vol. 372, Number 9651, November 2008, 1774-1781.

S. Anand, *Measuring health workforce inequalities: methods and application to China and India*, Human Resources for Health Observer, Issue no. 5, World Health Organization, Geneva, September 2010.

http://whqlibdoc.who.int/publications/2010/9789241500227_eng.pdf

S. Anand and V. Fan, *The Health Workforce of India, 2001*, April 2015. A Study prepared for the Planning Commission, Government of India (based on data files specially extracted from the Census of India 2001), forthcoming, Human Resources for Health Observer, WHO, Geneva, 2015.

Session 12: Justice and health

Sen *IOJ*, Chapter 7 (‘Position, Relevance and Illusion’), especially pp. 164-170, and Chapter 13 (‘Happiness, Well-being and Capabilities’), especially pp. 282-290.

J. Drèze and A. Sen, *An Uncertain Glory: India and its Contradictions*, Princeton University Press, Princeton, NJ, 2013, Chapters 9-10, pp. 243-287.

N. Daniels, B. Kennedy and I. Kawachi, “Health and Inequality, or, Why Justice is Good for Our Health”, Chapter 4 in *APS*, pp. 63-91.

N. Daniels, *Just Health: Meeting Health Needs Fairly*, Cambridge University Press, Cambridge, UK and New York, USA, 2008, Chapters 2-3, pp. 29-102.

S. Anand and F. Peter, “Equal Opportunity”, in (eds.) J. Cohen and J. Rogers, *Is Inequality Bad for our Health?*, Beacon Press, Boston, MA, 2000, pp. 48-52.

G. Sreenivasan, “Justice, Inequality, and Health”, *The Stanford Encyclopedia of Philosophy* (Fall 2014 Edition), (ed.) Edward N. Zalta. URL = <http://plato.stanford.edu/archives/fall2014/entries/justice-inequality-health/>.

N. Eyal, S. A. Hurst, O. F. Norheim and D. Wikler (eds.), *Inequalities in Health: Concepts, Measures, and Ethics*, Oxford University Press, New York, 2013.

J. P. Ruger, *Health and Social Justice*, Oxford University Press, Oxford, 2010, Chapter 2, pp. 45-64.

S. Venkatapuram, *Health Justice: An Argument from the Capabilities Approach*, Polity Press, Cambridge, UK, 2011.

Sessions 13 and 14: General discussion