

## BIOGRAPHICAL SKETCH

NAME <b>Sanjay Basu</b>	POSITION TITLE <b>Assistant Professor of Medicine</b>
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EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
Massachusetts Institute of Technology, Cambridge, MA	S.B.	06/02	Cognitive Science
Oxford University, Oxford, UK	M.Sc.	06/03	Medical Anthropology
Yale University, New Haven, CT	M.D.	06/09	Medicine
Yale University, New Haven, CT	Ph.D.	06/09	Epidemiology
University of California San Francisco	Residency	06/12	Internal Medicine

### Positions/Employment, Memberships and Honors

#### Positions and Employment

2012- Assistant Professor, Department of Medicine, Stanford University, Palo Alto, CA

#### Other Experience and Professional Memberships

- 1997-2002 Member, American Association for the Advancement of Science
- 2007-2009 Member, New York Academy of Science
- 2010-2012 Advisory Board Member, UCSF Evidence to Policy Initiative
- 2011- Associate Editor, *BMC Public Health*
- 2011- Associate Editor, *PLoS Medicine*
- 2012- European Review Committee, WHO Commission on the Social Determinants of Health
- 2012- Commission member, European Population, Health and Social Development Council
- 2012- Affiliated faculty member, Stanford Center on Poverty and Inequality
- 2012- Affiliated faculty member, Stanford Bio-X Initiative

#### Honors

- 1998 All-USA Academic Team
- 1998 Bausch & Lomb Science Award
- 2000 Goldwater Scholarship for Science and Engineering
- 2001 Truman Scholarship for Public Service
- 2002 MIT Institute Award for Research
- 2002 Rhodes Scholar, State of Massachusetts

2008	Yale MD/PhD Alumni Award for Research
2008	Yale Dasey Award for Character and Integrity
2009-	Board of Advisors, Nyaya Health hospital, Nepal
2011	UCSF Clinical and Translational Sciences Institute Research Award
2011-2012	Honorary Research Fellow, London School of Hygiene and Tropical Medicine
2012	Jeffrey Weingarten Award for Medicine, University of California San Francisco

## Selected Peer-reviewed Publications

1. Basu S, Chwastiak LA, Bruce RD. Clinical management of depression and anxiety in HIV-infected adults. *Aids*. 2005;19(18):2057-2067.
2. Basu S, Smith-Rohrberg D, Hanck S, Altice F. HIV testing in correctional institutions: evaluating existing strategies, setting new standards. *AIDS & public policy journal*. 2005;20(1-2):3.
3. Altice FL, Sullivan LE, Smith-Rohrberg D, Basu S, Stancliff S, Eldred L. The potential role of buprenorphine in the treatment of opioid dependence in HIV-infected individuals and in HIV infection prevention. *Clinical infectious diseases*. 2006;43(Supplement 4):S178-S183.
4. Basu S, Andrews J, Smith-Rohrberg D. Populations who test drugs should benefit from them. *Nature*. 2006;440(7084):605-605.
5. Basu S, Rohrberg DS, Bruce RD, Altice FL. Models for integrating buprenorphine therapy into the primary HIV care setting. *Clinical infectious diseases*. 2006;42(5):716-721.
6. Basu S, Andrews JR, Poolman EM, et al. Prevention of nosocomial transmission of extensively drug-resistant tuberculosis in rural South African district hospitals: an epidemiological modelling study. *The Lancet*. 2007;370(9597):1500-1507.
7. Basu S, Bruce RD, Barry DT, Altice FL. Pharmacological pain control for human immunodeficiency virus-infected adults with a history of drug dependence. *Journal of substance abuse treatment*. 2007;32(4):399-409.
8. Basu S, Galvani AP. Extensively drug-resistant tuberculosis in South Africa. *The Lancet*. 2007;369(9558):272-273.
9. Basu S, Chapman GB, Galvani AP. Integrating epidemiology, psychology, and economics to achieve HPV vaccination targets. *Proceedings of the National Academy of Sciences*. 2008;105(48):19018-19023.
10. Basu S, Galvani A. The transmission and control of XDR TB in South Africa: an operations research and mathematical modelling approach. *Epidemiology and infection*. 2008;136(12):1585.
11. Basu S, Orenstein E, Galvani AP. The theoretical influence of immunity between strain groups on the progression of drug-resistant tuberculosis epidemics. *Journal of Infectious Diseases*. 2008;198(10):1502-1513.
12. Maru DSR, Bruce RD, Basu S, Altice FL. Clinical outcomes of hepatitis C treatment in a prison setting: feasibility and effectiveness for challenging treatment populations. *Clinical infectious diseases*. 2008;47(7):952-961.
13. Stuckler D, Basu S, McKee M, King L. Mass incarceration can explain population increases in TB and multidrug-resistant TB in European and central Asian countries. *Proceedings of the National Academy of Sciences*. 2008;105(36):13280-13285.
14. Stuckler D, King LP, Basu S. International Monetary Fund programs and tuberculosis outcomes in post-communist countries. *PLoS medicine*. 2008;5(7):e143.
15. Basu S, Friedland GH, Medlock J, et al. Averting epidemics of extensively drug-resistant tuberculosis. *Proceedings of the National Academy of Sciences*. 2009;106(18):7672-7677.
16. Basu S, Galvani AP. The evolution of tuberculosis virulence. *Bulletin of mathematical biology*. 2009;71(5):1073-1088.
17. Basu S, Maru D, Poolman E, Galvani A. Primary and secondary tuberculosis preventive treatment in HIV clinics: simulating alternative strategies. *Int J Tuberc Lung Dis*. 2009;13(5):652-658.

18. Basu S, Stuckler D, Gonsalves G, Lurie M. The production of consumption: addressing the impact of mineral mining on tuberculosis in southern Africa. *Globalization and health*. 2009;5(1):11.
19. Maru DSR, Sharma A, Andrews J, et al. Global health delivery 2.0: using open-access technologies for transparency and operations research. *PLoS medicine*. 2009;6(12):e1000158.
20. Orenstein EW, Basu S, Shah NS, et al. Treatment outcomes among patients with multidrug-resistant tuberculosis: systematic review and meta-analysis. *The Lancet infectious diseases*. 2009;9(3):153-161.
21. Stuckler D, Basu S. The International Monetary Fund's effects on global health: before and after the 2008 financial crisis. *International Journal of Health Services*. 2009;39(4):771-781.
22. Stuckler D, Basu S, Suhrcke M, Coutts A, McKee M. The public health effect of economic crises and alternative policy responses in Europe: an empirical analysis. *The Lancet*. 2009;374(9686):315-323.
23. Stuckler D, Basu S, Suhrcke M, McKee M. The health implications of financial crisis: A review of the evidence. *The Ulster medical journal*. 2009;78(3):142.
24. Biggs B, King L, Basu S, Stuckler D. Is wealthier always healthier? The impact of national income level, inequality, and poverty on public health in Latin America. *Social Science & Medicine*. 2010;71(2):266.
25. Geneau R, Stuckler D, Stachenko S, et al. Raising the priority of preventing chronic diseases: a political process. *The Lancet*. 2010;376(9753):1689-1698.
26. Maru D, Schwarz R, Jason A, Basu S, Sharma A, Moore C. Turning a blind eye: the mobilization of radiology services in resource-poor regions. *Global Health*. 2010;6:18-18.
27. Ogbunugafor CB, Basu S, Morales NM, et al. Combining mathematics and empirical data to predict emergence of RNA viruses that differ in reservoir use. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 2010;365(1548):1919-1930.
28. Ooms G, Stuckler D, Basu S, McKee M. Financing the Millennium Development Goals for health and beyond: sustaining the "Big Push". *Global Health*. 2010;6(1):17.
29. Stuckler D, Basu S, Gilmore A, et al. An evaluation of the International Monetary Fund's claims about public health. *International Journal of Health Services*. 2010;40(2):327-332.
30. Stuckler D, Basu S, McKee M. Drivers of inequality in Millennium Development Goal progress: a statistical analysis. *PLoS medicine*. 2010;7(3):e1000241.
31. Stuckler D, Basu S, McKee M. How government spending cuts put lives at risk. *Nature*. 2010;465(7296):289-289.
32. Stuckler D, Basu S, McKee M. Public health in Europe: power, politics and where next. *Public Health Reviews*. 2010;32(1):213-242.
33. Stuckler D, Basu S, McKee M. Governance of mining, HIV and tuberculosis in Southern Africa. *Global Health Governance fall*. 2010;4(1).
34. Stuckler D, Basu S, McKee M. Protection and public health: population evidence from the EU, 1980–2003. *Journal of Epidemiology and Community Health*. 2010;64(Suppl 1):A21-A21.
35. Stuckler D, Basu S, McKee M. Drivers of Inequality in Millennium Development Goal Progress: A Statistical Analysis. *PLoS Medicine*. 2010;7(3):296.
36. Alleyne G, Basu S, Stuckler D. Who's afraid of noncommunicable diseases? Raising awareness of the effects of noncommunicable diseases on global health. *Journal of health communication*. 2011;16(sup2):82-93.
37. Andrews JR, Basu S. Transmission dynamics and control of cholera in Haiti: an epidemic model. *The Lancet*. 2011;377(9773):1248-1255.
38. Basu S, Stuckler D, Bitton A, Glantz SA. Projected effects of tobacco smoking on worldwide tuberculosis control: mathematical modelling analysis. *BMJ: British Medical Journal*. 2011;343.
39. Basu S, Stuckler D, Bitton A, Glantz SA. Projected effects of tobacco smoking on worldwide tuberculosis control: mathematical modelling analysis. *BMJ*. 2011;343:343.

40. Basu S, Stuckler D, McKee M. Addressing institutional amplifiers in the dynamics and control of tuberculosis epidemics. *The American Journal of Tropical Medicine and Hygiene*. 2011;84(1):30-37.
41. Kentikelenis A, Karanikolos M, Papanicolas I, Basu S, McKee M, Stuckler D. Health effects of financial crisis: omens of a Greek tragedy. *The Lancet*. 2011;378(9801):1457-1458.
42. Powell-Jackson T, Basu S, Balabanova D, McKee M, Stuckler D. Democracy and growth in divided societies: A health-inequality trap? *Social Science & Medicine*. 2011;73(1):33-41.
43. Stuckler D, Basu S, McKee M. Global health philanthropy and institutional relationships: how should conflicts of interest be addressed? *PLoS Medicine*. 2011;8(4):e1001020.
44. Stuckler D, Basu S, McKee M. International Monetary Fund and aid displacement. *International Journal of Health Services*. 2011;41(1):67-76.
45. Stuckler D, Basu S, McKee M. Health Care Capacity and Allocations Among South Africa's Provinces: Infrastructure–Inequality Traps After the End of Apartheid. *American journal of public health*. 2011;101(1).
46. STUCKLER D, BASU S, MCKEE M. UN high level meeting on non-communicable diseases: an opportunity for whom? *BMJ*. 2011;343(7821):453-454.
47. Stuckler D, Basu S, McKee M, Lurie M. Mining and risk of tuberculosis in Sub-Saharan Africa. *American journal of public health*. 2011;101(3):524-530.
48. Stuckler D, Basu S, Suhrcke M, Coutts A, McKee M. Effects of the 2008 recession on health: a first look at European data. *The Lancet*. 2011;378(9786):124-125.
49. Stuckler D, Basu S, Wang SW, McKee M. Does recession reduce global health aid? evidence from 15 high-income countries, 1975-2007. *Bulletin of the World Health Organization*. 2011;89(4):252-257.
50. Suhrcke M, Stuckler D, Suk JE, et al. The impact of economic crises on communicable disease transmission and control: a systematic review of the evidence. *PloS one*. 2011;6(6):e20724.
51. Basu S, Andrews J, Kishore S, Panjabi R, Stuckler D. Comparative performance of private and public healthcare systems in low-and middle-income countries: a systematic review. *PLoS medicine*. 2012;9(6):e1001244.
52. Basu S, Andrews J, Kishore S, Panjabi R, Stuckler D. Comparative Performance of Private and Public Healthcare Systems in Low-and Middle-Income Countries: A Systematic Review. *PLoS Medicine*. 2012;9(6):804.
53. Basu S, Stuckler D, McKee M, Galea G. Nutritional determinants of worldwide diabetes: an econometric study of food markets and diabetes prevalence in 173 countries. *Public health nutrition*. 2012;1(1):1-8.
54. Basu S, Stuckler D, Vellakkal S, Ebrahim S. Dietary Salt Reduction and Cardiovascular Disease Rates in India: A Mathematical Model. *PloS one*. 2012;7(9):e44037.
55. Gili M, Roca M, Basu S, McKee M, Stuckler D. The mental health risks of economic crisis in Spain: evidence from primary care centres, 2006 and 2010. *The European Journal of Public Health*. 2012.
56. Kühlbrandt C, Basu S, Mckee M, Stuckler D. Looking at the Russian health care system: through the eyes of patients with diabetes and their physicians. *The British Journal of Diabetes & Vascular Disease*. 2012;12(4):181-184.
57. McKee M, Balabanova D, Basu S, Ricciardi W, Stuckler D. Universal Health Coverage: A Quest for All Countries But under Threat in Some. *Value in Health*. 2012.
58. McKee M, Basu S, Stuckler D. Health systems, health and wealth: The argument for investment applies now more than ever. *Social Science and Medicine*. 2012;74(5):684.
59. McKee M, Stuckler D, Basu S. Where There Is No Health Research: What Can Be Done to Fill the Global Gaps in Health Research? *PLoS Medicine*. 2012;9(4):e1001209.
60. Quercioli C, Messina G, Basu S, McKee M, Nante N, Stuckler D. The effect of healthcare delivery privatisation on avoidable mortality: longitudinal cross-regional results from Italy, 1993–2003. *Journal of Epidemiology and Community Health*. 2012.
61. Reeves A, Stuckler D, McKee M, Gunnell D, Chang SS, Basu S. Increase in state suicide rates in the USA during economic recession. *The Lancet*. 2012;380(9856):1813-1814.

Program Director/Principal Investigator (Last, First, Middle): Basu, Sanjay

62. Stuckler D, McKee M, Ebrahim S, Basu S. Manufacturing epidemics: the role of global producers in increased consumption of unhealthy commodities including processed foods, alcohol, and tobacco. *PLoS Medicine*. 2012;9(6):e1001235.
63. Stuckler D, Meissner C, Fishback P, Basu S, McKee M. Banking crises and mortality during the Great Depression: evidence from US urban populations, 1929–1937. *Journal of epidemiology and community health*. 2012;66(5):410-419.
64. Stuckler D, Meissner C, Fishback P, Basu S, McKee M. Was the Great Depression a cause or correlate of significant mortality declines? An epidemiological response to Granados. *Journal of Epidemiology and Community Health*. 2012.