

Curriculum Vitae

Name: Sanjay Basu, M.D., Ph.D.
Date of Birth: December 28, 1980
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EDUCATION

09/1998 – 05/2002 Massachusetts Institute of Technology
S.B., Brain and Cognitive Sciences
09/2002 – 05/2003 Oxford University
M.Sc., Medical Anthropology
09/2003 – 05/2009 Yale University
M.D.
09/2003 – 05/2009 Yale University
Ph.D., Public Health

POST-GRADUATE TRAINING

07/2009 – 06/2010 Intern, Internal Medicine
University of California San Francisco
07/2010 – 06/2012 Resident, Internal Medicine/Primary Care
University of California San Francisco/
San Francisco General Hospital

HOSPITAL APPOINTMENTS

07/2012 – 09/2012 Attending Physician, Internal Medicine
University of California San Francisco
09/2012 – present Attending Physician, Internal Medicine
Stanford Health Care

ACADEMIC APPOINTMENTS

09/2012 – present Assistant Professor of Medicine
Stanford University School of Medicine

CERTIFICATION

2012 American Board of Internal Medicine

HONORS AND AWARDS

2002	Rhodes Scholar State of Massachusetts
2009	Yale MD/PhD Alumni Award for Research Yale School of Medicine
2009	Dasey Award for Character and Integrity Yale School of Medicine
2011-2013	Honorary Research Fellow London School of Hygiene and Tropical Medicine
2012	Jeffrey Weingarten Award for Clinical Medicine University of California San Francisco
2013	Top 100 Global Thinkers List <i>Foreign Policy Magazine</i>
2013	Book Award Association for Humanist Sociology
2014	Shortlist, The TED Prize TED Foundation
2014	Rosenkranz Prize for Healthcare Research Stanford Center for Health Policy
2015	New Innovator Award Office of the Director, National Institutes of Health
2016	Junior Investigator Award <i>Annals of Internal Medicine</i>
2016	Inducted Member American Society for Clinical Investigation

ACADEMIC AFFILIATIONS

09/2012 – present	Affiliate Stanford Center for Poverty and Inequality
12/2012 – present	Affiliate Stanford Center for Health Policy/ Primary Care and Outcomes Research
06/2013 – present	Member Stanford Cardiovascular Institute
12/2013 – present	Affiliate Stanford Woods Institute for the Environment
03/2014 – present	Member Stanford Child Health Research Institute
11/2014 – present	Affiliate Stanford Center for International Development
08/2015 – present	Affiliate Harvard Center for Primary Care

07/2015 – present	Co-Director, Health Disparities Group Stanford Center for Population Health Sciences
09/2015 – present	Board of Advisors Columbia University, Global Research Analytics for Population Health (GRAPH) Center
04/2016 – present	Director, Analytics and Modeling Core Stanford Precision Health for Ethnic and Racial Equity (SPHERE) Transdisciplinary Collaborative Center

SCHOLARLY PUBLICATIONS

Peer-reviewed original research articles

(As first or senior author):

1. **Basu S**, Yudkin JS, Sussman J, Millett C, Hayward R. Alternative strategies to achieve cardiovascular mortality goals in China and India: A microsimulation of target-versus risk-based blood pressure treatment. *Circulation* 2016;133:840-8.
2. **Basu S**, Bendavid E, Sood N. Health and economic implications of national treatment coverage for cardiovascular disease in India: cost-effectiveness analysis. *Circ Cardiovasc Qual Outcomes* 2015; 8:541-51.
3. White JS, **Basu S**. Does the benefits schedule of cash assistance programs affect the purchase of temptation goods? Evidence from Peru. *J Health Econ* 2016;46:70-89.
4. **Basu S**, Rehkopf D, Siddiqi A, Glymour MM, Kawachi I. Health behaviors, mental health, and healthcare utilization among single mothers following 1990's welfare reforms. *American Journal of Epidemiology* 2016;183(6):542-3. (Editor's Choice article)
5. **Basu S**, Hamad R, White JS, Modrek S, Rehkopf DH, Cullen M. The EARN-health trial: Protocol for a randomized controlled trial to identify health effects of a financial savings program among low-income u.s. adults. *BMJ Open* 2015;5:e009366.
6. **Basu S**, Phillips RS, Bitton A, Song Z, Landon BE. Medicare chronic care management payments and financial returns to primary care practices. *Annals of Internal Medicine* 2015;163, 580-8.
7. Hamad R, Pomeranz JL, Siddiqi A, **Basu S**. Large-scale automated analysis of news media: a novel computational method for obesity policy research. *Obesity (Silver Spring)* 2015;23(2):296-300. doi:10.1002/oby.20955.
8. Choi SE, Brandeau ML, **Basu S**. Expansion of the national salt reduction initiative: a mathematical model of benefits and risks of population-level sodium reduction. *Med Decis Making* April 2015. doi:10.1177/0272989X15583846.
9. **Basu S**, Landon BE, Song Z, Bitton A, Phillips RS. Implications of workforce and financing changes for primary care practice utilization, revenue, and cost: a generalizable mathematical model for practice management. *Med Care* 2015;53(2):125-132. doi:10.1097/MLR.0000000000000278.
10. **Basu S**, Kiernan M. A simulation modeling framework to optimize programs using

- financial incentives to motivate health behavior change. *Med Decis Making* May 2015;0272989X15585984. doi:10.1177/0272989X15585984.
11. **Basu S**, Hong A, Siddiqi A. Using decomposition analysis to identify modifiable racial disparities in the distribution of blood pressure in the United States. *American Journal of Epidemiology* 2015;182(4):345-53.
 12. **Basu S**, Goldhaber-Fiebert JD. Quantifying demographic and socioeconomic transitions for computational epidemiology: an open-source modeling approach applied to India. *Popul Health Metr* 2015;13:19. doi:10.1186/s12963-015-0053-1.
 13. **Basu S**, Millett C, Vijan S, Hayward R, Kinra S, Ahuja R, Yudkin J. The health system and population health implications of large-scale diabetes screening in India: a microsimulation model of alternative approaches. *PLOS Medicine* 2015;12(5):e1001827.
 14. **Basu S**, Vellakkal S, Agrawal S, Stuckler D, Popkin B, Ebrahim S. Averting obesity and type 2 diabetes in india through sugar-sweetened beverage taxation: an economic-epidemiologic modeling study. *PLoS Med.* 2014;11(1):e1001582. doi:10.1371/journal.pmed.1001582.
 15. **Basu S**, Stuckler D, McKee M. An alternative mechanism for international health aid: evaluating a Global Social Protection Fund. *Health Policy Plan* 2014;29(1):127-136. doi:10.1093/heapol/czs141.
 16. **Basu S**, Siddiqi A. Geographic disparities in US mortality: “hot-spotting” large databases. *Epidemiology* 2014;25(3):468-470. doi:10.1097/EDE.0000000000000085.
 17. **Basu S**, Seligman H, Winkleby M. A metabolic-epidemiological microsimulation model to estimate the changes in energy intake and physical activity necessary to meet the Healthy People 2020 obesity objective. *Am J Public Health* 2014;104(7):1209-1216. doi:10.2105/AJPH.2013.301674.
 18. **Basu S**, Lewis K. Reducing added sugars in the food supply through a cap-and-trade approach. *Am J Public Health* 2014;104(12):2432-2438. doi:10.2105/AJPH.2014.302170.
 19. **Basu S**, Modrek S, Bendavid E. Comparing decisions for malaria testing and presumptive treatment a net health benefit analysis. *Medical Decision Making* 2014;34(8):996-1005.
 20. **Basu S**, Seligman H, Gardner C, Bhattacharya J. Ending snap subsidies for sugar-sweetened beverages could reduce obesity and type 2 diabetes. *Health Affairs* 2014;33(6):1032-1039.
 21. **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 Nutr* 2013;16(1):179-186. doi:10.1017/S1368980012002881.
 22. **Basu S**, Millett C. Social epidemiology of hypertension in middle-income countries determinants of prevalence, diagnosis, treatment, and control in the WHO SAGE study. *Hypertension* 2013;62(1):18–26.
 23. **Basu S**, McKee M, Galea G, Stuckler D. Relationship of soft drink consumption to global overweight, obesity, and diabetes: a cross-national analysis of 75 countries. *Am J Public Health* 2013;103(11):2071-2077. doi:10.2105/AJPH.2012.300974.
 24. **Basu S**, King AC. Disability and chronic disease among older adults in India: detecting vulnerable populations through the WHO SAGE Study. *American journal of epidemiology* 2013;178(11):1620–1628.
 25. **Basu S**, Glantz S, Bitton A, Millett C. The effect of tobacco control measures during a period of rising cardiovascular disease risk in India: a mathematical model of

- myocardial infarction and stroke. *PLoS Med.* 2013;10(7):e1001480. doi:10.1371/journal.pmed.1001480.
26. **Basu S**, Babiarz KS, Ebrahim S, Vellakkal S, Stuckler D, Goldhaber-Fiebert JD. Palm oil taxes and cardiovascular disease mortality in India: economic-epidemiologic model. *BMJ* 2013;347:f6048.
 27. **Basu S**, Seligman H, Bhattacharya J. Nutritional policy changes in the supplemental nutrition assistance program: a microsimulation and cost-effectiveness analysis. *Med Decis Making* 2013;33(7):937-948. doi:10.1177/0272989X13493971.
 28. Reeves A, Stuckler D, McKee M, Gunnell D, Chang S-S, **Basu S**. Increase in state suicide rates in the USA during economic recession. *The Lancet* 2012;380(9856):1813–1814.
 29. **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. doi:10.1371/journal.pone.0044037.
 30. **Basu S**, Stuckler D, McKee M. Addressing institutional amplifiers in the dynamics and control of tuberculosis epidemics. *Am. J. Trop. Med. Hyg.* 2011;84(1):30-37. doi:10.4269/ajtmh.2011.10-0472.
 31. **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.
 32. Andrews JR, **Basu S**. Transmission dynamics and control of cholera in Haiti: an epidemic model. *Lancet* 2011;377(9773):1248-1255. doi:10.1016/S0140-6736(11)60273-0.
 33. **Basu S**, Galvani AP. The evolution of tuberculosis virulence. *Bull. Math. Biol.* 2009;71(5):1073-1088. doi:10.1007/s11538-009-9394-x.
 34. **Basu S**, Friedland GH, Medlock J, Andrews JR, Shah NS, Gandhi NR, Moll A, Moodley P, Sturm AW, Galvani AP. Averting epidemics of extensively drug-resistant tuberculosis. *Proc. Natl. Acad. Sci. U.S.A.* 2009;106(18):7672-7677. doi:10.1073/pnas.0812472106.
 35. **Basu S**, Orenstein E, Galvani AP. The theoretical influence of immunity between strain groups on the progression of drug-resistant tuberculosis epidemics. *J. Infect. Dis.* 2008;198(10):1502-1513. doi:10.1086/592508.
 36. **Basu S**, Chapman GB, Galvani AP. Integrating epidemiology, psychology, and economics to achieve HPV vaccination targets. *Proc. Natl. Acad. Sci. U.S.A.* 2008;105(48):19018-19023. doi:10.1073/pnas.0808114105.
 37. Stuckler D, King LP, **Basu S**. International Monetary Fund programs and tuberculosis outcomes in post-communist countries. *PLoS Med.* 2008;5(7):e143. doi:10.1371/journal.pmed.0050143.
 38. **Basu S**, Andrews JR, Poolman EM, Gandhi NR, Shah NS, Moll A, Moodley P, Galvani AP, Friedland GH. Prevention of nosocomial transmission of extensively drug-resistant tuberculosis in rural South African district hospitals: an epidemiological modelling study. *Lancet* 2007;370(9597):1500-1507. doi:10.1016/S0140-6736(07)61636-5.
 39. **Basu S**, Smith-Rohrberg D, Bruce RD, Altice FL. Models for integrating buprenorphine therapy into the primary HIV care setting. *Clin. Infect. Dis.* 2006;42(5):716-721. doi:10.1086/500200.

(Contributions to team science):

My investigative activities include ongoing participation in two multi-national epidemiological research initiatives to estimate the global burden of disease and evaluate health policy measures intended to reduce that burden. While I am not typically the primary or senior author on manuscripts resulting from these initiatives, my contributions are substantial and include participation in data gathering, statistical design, critical revision of the manuscripts for important intellectual content, and data analysis. The peer-reviewed original research articles associated with these activities are listed and individually annotated below:

1. Feigin VL, Mensah GA, Norrving B, Murray CJ, Roth GA, Krishnamurthi RV, Parmar P, Norrving B, Bennett DA, Barker-Collo S, Moran AE, Sacco RL, Truelsen T, Davis S, Pandian JD, Naghavi M, Forouzanfar MH, Nguyen G, Johnson CO, Vos T, Meretoja A, Murray CJ, Roth GA, Abd-Allah R, Abera S, Olusola Akinyemi R, Al-Shahi Salman R, Anderson CS, Bahit MD, Banerjee A, **Basu S**, Beauchamp NJ, Bornstein NM, Brainin M, Cabral NL, Campos-Nonato I, Caso V, Catalá-López F, Chowdhury R, Christensen HK, Connor MD, deVeber G, Dharmaratne SD, Dokova K, Donnan G, Endres M, Fernandes JG, Gankpé F, Geleijnse JM, Gillium RF, Giroud M, Hamadeh RR, Hankey GJ, Jeemon P, Jonas JB, Kazi DS, Kengne AP, Kim D, Kissela BM, Kokubo Y, Kosen S, Kravchenko M, Lavados PB, Liu M, Lotufo PA, Mackay MT, Malekzadeh R, Mehndiratta MM, Melaku YA, Misganaw A, Nand D, Piradov M, Pourmalek F, Rojas-Rueda D, Roy N, Sahathevan R, Sampson UK, Shamalov N, Sheth KN, Shinohara Y, Shiue I, Soljak M, Sposato LA, Stroumpoulis K, Tanne D, Thrift AG, Tirschwell DL, Varakin Y, Venketasubramanian N, Vlassov VV, Wang W, Westerman R, Wolfe C, Yu C, Yunjin K, on behalf of the GBD 2013 Stroke Panel Experts Group. Atlas of the Global Burden of Stroke (1990-2013): The GBD 2013 Study. *Neuroepidemiology*. 2015;45(3):230-6. **Contributed to acquisition of data, critical revision of the manuscript for important intellectual content, and statistical analysis.*
2. Barker-Collo S, Bennett DA, Krishnamurthi RV, Parmar P, Feigin VL, Naghavi M, Forouzanfar MH, Johnson CO, Nguyen G, Mensah GA, Vos T, Murray CJ, Roth GA, Krishnamurthi RV, Parmar P, Norrving B, Bennett DA, Barker-Collo S, Moran AE, Sacco RL, Truelsen T, Davis S, Pandian JD, Naghavi M, Nguyen G, Vos T, Meretoja A, Murray CJ, Roth GA, Abd-Allah R, Abera S, Olusola Akinyemi R, Al-Shahi Salman R, Anderson CS, Bahit MD, Banerjee A, **Basu S**, Beauchamp NJ, Bornstein NM, Brainin M, Cabral NL, Campos-Nonato I, Caso V, Catalá-López F, Chowdhury R, Christensen HK, Connor MD, deVeber G, Dharmaratne SD, Dokova K, Donnan G, Endres M, Fernandes JG, Gankpé F, Geleijnse JM, Gillium RF, Giroud M, Hamadeh RR, Hankey GJ, Jeemon P, Jonas JB, Kazi DS, Kengne AP, Kim D, Kissela BM, Kokubo Y, Kosen S, Kravchenko M, Lavados PB, Liu M, Lotufo PA, Mackay MT, Malekzadeh R, Mehndiratta MM, Melaku YA, Misganaw A, Nand D, Piradov M, Pourmalek F, Rojas-Rueda D, Roy N, Sahathevan R, Sampson UK, Shamalov N, Sheth KN, Shinohara Y, Shiue I, Soljak M, Sposato LA, Stroumpoulis K, Tanne D, Thrift AG, Tirschwell DL, Varakin Y, Venketasubramanian N, Vlassov VV, Wang W, Westerman R, Wolfe C, Yu C, Yunjin K, on behalf of the GBD 2013 Stroke Panel Experts Group. Sex Differences in Stroke Incidence, Prevalence, Mortality and Disability-Adjusted Life Years: Results from the Global Burden of Disease Study 2013. *Neuroepidemiology*. 2015;45(3):203-14. **Contributed to acquisition of data,*

critical revision of the manuscript for important intellectual content, and statistical analysis.

3. Krishnamurthi RV, Moran AE, Feigin VL, Barker-Collo S, Norrving B, Mensah GA, Taylor S, Naghavi M, Forouzanfar MH, Nguyen G, Johnson CO, Vos T, Murray CJ, Roth GA, Abd-Allah R, Abera S, Olusola Akinyemi R, Al-Shahi Salman R, Anderson CS, Bahit MD, Banerjee A, **Basu S**, Beauchamp NJ, Bornstein NM, Brainin M, Cabral NL, Campos-Nonato I, Caso V, Catalá-López F, Chowdhury R, Christensen HK, Connor MD, deVeber G, Dharmaratne SD, Dokova K, Donnan G, Endres M, Fernandes JG, Gankpé F, Geleijnse JM, Gillium RF, Giroud M, Hamadeh RR, Hankey GJ, Jeemon P, Jonas JB, Kazi DS, Kengne AP, Kim D, Kissela BM, Kokubo Y, Kosen S, Kravchenko M, Lavados PB, Liu M, Lotufo PA, Mackay MT, Malekzadeh R, Mehndiratta MM, Melaku YA, Misganaw A, Nand D, Piradov M, Pourmalek F, Rojas-Rueda D, Roy N, Sahathevan R, Sampson UK, Shamalov N, Sheth KN, Shinohara Y, Shiue I, Soljak M, Sposato LA, Stroumpoulis K, Tanne D, Thrift AG, Tirschwell DL, Varakin Y, Venketasubramanian N, Vlassov VV, Wang W, Westerman R, Wolfe C, Yu C, Yunjin K, on behalf of the GBD 2013 Stroke Panel Experts Group. Stroke Prevalence, Mortality and Disability-Adjusted Life Years in Adults Aged 20-64 Years in 1990-2013: Data from the Global Burden of Disease 2013 Study. *Neuroepidemiology*. 2015;45(3):190-202. **Contributed to acquisition of data, critical revision of the manuscript for important intellectual content, and statistical analysis.*
4. Krishnamurthi RV, deVeber G, Feigin VL, Barker-Collo S, Fullerton H, Mackay MT, O'Callahan F, Lindsay MP, Kolk A, Lo W, Shah P, Linds A, Jones K, Parmar P, Taylor S, Norrving B, Mensah GA, Moran AE, Naghavi M, Forouzanfar MH, Nguyen G, Johnson CO, Vos T, Murray CJ, Roth GA, Abd-Allah R, Abera S, Olusola Akinyemi R, Al-Shahi Salman R, Anderson CS, Bahit MD, Banerjee A, **Basu S**, Beauchamp NJ, Bornstein NM, Brainin M, Cabral NL, Campos-Nonato I, Caso V, Catalá-López F, Chowdhury R, Christensen HK, Connor MD, deVeber G, Dharmaratne SD, Dokova K, Donnan G, Endres M, Fernandes JG, Gankpé F, Geleijnse JM, Gillium RF, Giroud M, Hamadeh RR, Hankey GJ, Jeemon P, Jonas JB, Kazi DS, Kengne AP, Kim D, Kissela BM, Kokubo Y, Kosen S, Kravchenko M, Lavados PB, Liu M, Lotufo PA, Mackay MT, Malekzadeh R, Mehndiratta MM, Melaku YA, Misganaw A, Nand D, Piradov M, Pourmalek F, Rojas-Rueda D, Roy N, Sahathevan R, Sampson UK, Shamalov N, Sheth KN, Shinohara Y, Shiue I, Soljak M, Sposato LA, Stroumpoulis K, Tanne D, Thrift AG, Tirschwell DL, Varakin Y, Venketasubramanian N, Vlassov VV, Wang W, Westerman R, Wolfe C, Yu C, Yunjin K, on behalf of the GBD 2013 Stroke Panel Experts Group. Stroke Prevalence, Mortality and Disability-Adjusted Life Years in Children and Youth Aged 0-19 Years: Data from the Global and Regional Burden of Stroke 2013. *Neuroepidemiology*. 2015;45(3):177-89. **Contributed to acquisition of data, critical revision of the manuscript for important intellectual content, and statistical analysis.*
5. Been JV, Mackenbach JP, Millett C, **Basu S**, Sheikh A. Tobacco control policies and perinatal and child health: a systematic review and meta-analysis protocol. *BMJ Open*. 2015 Sep 22;5(9):e008398. **Contributed to acquisition of background data, critical revision of the manuscript for important intellectual content, and design of the statistical analysis.*
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36. Smith-Rohrberg D, **Basu S**, Subbaraman R, Sharma SK. Compromising comprehensive AIDS management will lead to failure. *Lancet Infect Dis.* 2006 Jul;6(7):384-5. *Contributed to conception and design, acquisition of data, critical revision of the manuscript for important intellectual content, and administrative support.

Book chapters

1. **Basu S**. Microsimulation. In *Systems Science and Population Health*, Eds. Galea, S. & El-Sayed, A. Oxford: Oxford University Press, 2016, in press.
2. **Basu S**. The transitional dynamics of caloric ecosystems: changes in the food

supply around the world. In Big Food: Critical perspectives on the global growth of the food and beverage industry, Eds. Williams, S.N. & Nestle, M. New York: Taylor & Francis, 2016, in press.

3. Lewis K., **Basu S.** Epidemiology of obesity in the United States. In Metabolic Syndrome: A Comprehensive Textbook, Ed. Ahima R. New York: Springer, 2015, p. 13-31.
4. Stuckler D., **Basu S.** Evaluating the health burden of chronic diseases. In Sick Societies: Responding to the global challenge of chronic disease, Eds. Stuckler D. & Siegel K. Oxford: Oxford University Press, 2011, p. 1-25.
5. Stuckler D., Siegel K., DeVogli R., **Basu S.** Sick individuals, sick populations: the societal determinants of chronic disease. In Sick Societies: Responding to the global challenge of chronic disease, Eds. Stuckler D. & Siegel K. Oxford: Oxford University Press, 2011, p. 26-62.
6. Stuckler D., Siegel K., Kishore S., O'Connor K., Stevens D., **Basu S.** Comprehensive strategies to reduce the burden of chronic diseases. In Sick Societies: Responding to the global challenge of chronic disease, Eds. Stuckler D. & Siegel K. Oxford: Oxford University Press, 2011, p. 87-134.
7. Stuckler D., **Basu S.**, King L., Steele S., McKee M. Politics of chronic disease. In Sick Societies: Responding to the global challenge of chronic disease, Eds. Stuckler D. & Siegel K. Oxford: Oxford University Press, 2012, p. 135-185.
**Contributed to conception and design, acquisition of data, critical revision of the manuscript for important intellectual content, and technical support.*

Books

1. Stuckler, D., **Basu S.** The Body Economic. London: Penguin Random House Academic Press/Allen Lane, 2013.

Digital publications (software/code)

1. **Basu S**, Hong A, Siddiqi A. Stata package for distributional decomposition for the analysis of health disparities. 2014. Stanford Digital Repository. Available at: <http://purl.stanford.edu/gw696hj6227>
2. Choi S, Brandeau M, **Basu S**, A mathematical model of benefits and risks of population-level sodium reduction. 2015. Stanford Digital Repository. Available at: <http://purl.stanford.edu/tp964gz4025>
3. **Basu S**, Phillips RS, Bitton A, Song Z, Landon BE. Mathematical model of medicare chronic care management payments and financial returns to primary care practices. Stanford digital repository. Available at: <http://purl.stanford.edu/pb247kj8016>

Commissioned reports

1. **Basu S.** The changing landscape of noncommunicable disease and risk factors. United Nations Expert Group Meeting on Priorities for Improving Survival; New York: United Nations Population Division, 2013.
2. Stuckler D, Feigl A, **Basu S**, McKee M. The political economy of universal health coverage. First Global Symposium on Health System Research; Geneva: World Health Organization, 2010. **Contributed to conception and design, acquisition of data, analysis and interpretation of data, critical revision of the manuscript for*

- important intellectual content, and statistical analysis.*
3. Wahlbeck K, Anderson P, **Basu S**, McDaid D, Stuckler D. Impact of economic crises on mental health. Geneva: World Health Organization, 2011. **Contributed to conception and design, acquisition of data, analysis and interpretation of data, critical revision of the manuscript for important intellectual content, and statistical analysis.*
 4. Stuckler D, **Basu S**, McDaid D. Depression amidst depression: Mental health effects of the ongoing recession. Copenhagen: World Health Organization Regional Office for Europe, 2010. **Contributed to conception and design, acquisition of data, analysis and interpretation of data, critical revision of the manuscript for important intellectual content, and statistical analysis.*

EDITORIAL SERVICE

Editorial Board Membership

PLOS Medicine (Editorial Board, Academic Editor and Consulting Editor)

BMC Public Health (Associate Editor)

Peer review activities

American Journal of Epidemiology

American Journal of Public Health

Applied Health Economics and Health Policy

BMJ

Bulletin of Mathematical Biology

Circulation

Forum for Health Economics and Policy

Health Affairs

International Journal of Epidemiology

International Journal of Health Services

Journal of the American College of Cardiology

Journal of the American Medical Association

Journal of the American Medical Association Cardiology

Journal of Applied Mathematics

Journal of Epidemiology and Community Health

Journal of the Royal Society Interface

The Lancet

Pediatrics

PLOS Medicine

GRANTS

(in order of most recent to oldest start date):

Current Funding

Granting agency: National Institutes of Health/National Heart, Lung and Blood Institute
Role: PI
Type: R01
Term: 07/01/16 – 06/31/21 (pending start date)
Title: Designing food voucher programs to reduce disparities in healthy diets

Granting agency: National Institutes of Health/National Institute of Minority Health and Health Disparities
Role: Co-I (PI: Mark Cullen, Stanford)
Type: U54
Term: 04/01/16 – 03/31/21
Title: Stanford Precision Health for Ethnic and Racial Equity (SPHERE) Transdisciplinary Coordinating Center

Granting agency: Robert Wood Johnson Foundation
Role: PI
Type: Competitive grant award
Term: 01/01/16 – 12/31/17
Title: The EARN-Health Trial: intervening on the economic determinants of health

Granting agency: National Institutes of Health/National Institute of Minority Health and Health Disparities
Role: PI
Type: DP2 New Innovator Award
Term: 10/01/15 – 09/31/21
Title: Cohort filtering models to identify social program effects on health disparities

Granting agency: US Department of Agriculture
Role: Co-I (PI: Seth Berkowitz, Harvard)
Type: Economic Research Service Competitive Grant Award
Term: 09/01/15 – 03/31/17

Title: Impact of food insecurity and SNAP participation on healthcare utilization and expenditures among adults and children

Granting agency: Stanford Woods Institute for the Environment
Role: Co-I (PI: Marshall Burke, Stanford)
Type: Seed Grant
Term: 07/01/15 – 06/30/17
Title: Climate change, nutrition and population health

Granting agency: National Institutes of Health/National Heart, Lung and Blood Institute
Role: Co-I (PI: Michaela Kiernan, Stanford)
Type: R01
Term: 07/01/15 – 06/31/21
Title: Escalating the proportion of weight-loss maintainers via modules prior to weight loss

Granting agency: US Department of Agriculture
Role: Co-I (PI: Hilary Seligman, UCSF)
Type: Economic Research Service Competitive Grant Award
Term: 01/01/15 – 06/31/16
Title: The relationship of food price variations to healthy food acquisition

Granting agency: National Institutes of Health/National Heart, Lung and Blood Institute
Role: PI
Type: K08
Term: 09/01/14 – 08/31/18
Title: Studying social factors in sodium consumption to reduce hypertension disparities

Granting agency: Stanford Institute for Innovation in Developing Economies
Role: Co-I (PI: Doug Owens, Stanford)
Type: Seed Grant
Term: 07/01/14 – 06/30/16
Title: The Stanford global health and poverty model

Granting agency: Stanford Center for Health Policy
Role: PI
Type: Rosenkranz Prize for Healthcare Research
Term: 07/01/14 – 06/30/16
Title: Characterizing healthcare screening and treatment for type II diabetes in India

Prior Funding

Granting agency: Wellcome Trust
Role: Co-I (PI: Bhavani Shankar, University of London)
Type: Competitive grant award
Term: 07/01/14 – 03/31/16
Title: Palm oil: sustainability, health and economics

Granting agency: Stanford Spectrum
Role: Co-I (PI: Justin White, Stanford)
Type: Seed Grant
Term: 01/01/15 – 12/31/15
Title: The long-term effects of neighborhoods on health outcomes and behaviors: a quasi-experimental study

Granting agency: Stanford Spectrum
Role: PI
Type: Seed Grant
Term: 01/01/15 – 12/31/15
Title: The EARN-Health Trial: improving the social determinants of health through a community-based savings and debt-reduction program

Granting agency: World Health Organization
Role: Co-I (PI: Christopher Millett, Imperial College London)
Type: Competitive grant award
Term: 09/01/14 – 07/31/15
Title: Policy path for achieving the WHO NCD Goal of 30% reduction in tobacco use by 2025

Granting agency: Harvard Center for Primary Care
Role: PI
Type: Competitive grant award
Term: 04/01/14 – 03/31/15
Title: Mathematically modeling primary care practice finances and system-level healthcare costs

Granting agency: US Department of Agriculture
Role: PI
Type: Economic Research Service Competitive Grant Award (Research Innovation and Development Award in Economics)
Term: 07/01/13 – 12/31/14
Title: Economic policy simulation: incentivizing healthy eating through changes in Supplemental Nutrition Assistance Program (SNAP) policies

Granting agency: Robert Wood Johnson Foundation
Role: PI
Type: Competitive grant award

Term: 09/01/13 – 08/31/14
 Title: Improving healthy eating among children through changes in Supplemental Nutrition Assistance Program (SNAP) policies: an economic microsimulation

Granting agency: Stanford Center on the Demography and Economics of Health and Aging
 Role: PI
 Type: Seed grant
 Term: 07/01/13 – 06/30/14
 Title: Chronic disease, disability and medical costs among older adults in India

Granting agency: Centers for Disease Prevention and Control, Europe
 Role: Co-I (PI: David Stuckler, Oxford)
 Type: Competitive grant award
 Term: 06/01/13 – 05/31/14
 Title: Intervening on the transmission of infectious diseases during times of economic austerity

Granting agency: Interventional Development Research Center of Canada
 Role: Co-I (PI: Shah Ebrahim, London School of Hygiene)
 Type: Competitive grant award
 Term: 10/01/12 – 09/31/14
 Title: Comparison of regulatory policies to prevention non-communicable diseases in India

Granting agency: Centers for Disease Control and Prevention
 Role: PI
 Type: R36
 Term: 04/01/08 – 05/31/09
 Title: Mathematically modeling the transmission and control of extensively drug-resistant tuberculosis

Granting agency: National Institutes of Health/National Institute of General Medical Sciences
 Role: Trainee
 Type: T32
 Term: 08/01/05 – 05/31/09
 Title: Medical scientist training program

Service as grant reviewer

2015 Member, NIH Special Emphasis Panel Reviewer for the Risk Prevention and Health Behavior IRG (RPHB-W)

UNIVERSITY ADMINISTRATIVE SERVICE

Committee Service

2012 – present	Stanford Prevention Research Center, Center Leadership Group
2014 – present	Stanford Prevention Research Center, Health for All/Community Health and Prevention Research Education Programs
2015 – present	Stanford Department of Medicine, General Medicine Disciplines Organizational Task Force

Leadership Roles

2015 – present	Co-Chair, Health Disparities Working Group, Stanford Center for Population Health Sciences
2016 – present	Director, Analytics and Modeling Core, Stanford Precision Health for Ethnic and Racial Equity (SPHERE) Transdisciplinary Collaborative Center

SERVICE TO PROFESSIONAL ORGANIZATIONS

Membership

2007 – present	New York Academy of Sciences
2012 – present	American Heart Association, Epidemiology & Prevention Council

Committee Service

2013	United Nations, Expert Group on Mortality
2013 – present	Global Burden of Disease Project, Expert Panel
2014	Institute of Medicine, Review Committee for the Report “Public Health Implications of Raising the Minimum Age for Legal Access to Tobacco Products”
2015	Pew Charitable Trusts, Reviewer for the Report “The economic impact of healthier school lunches”
2015	United Nations, Reviewer for the Report on Trade and Health, Standing Committee on Nutrition
2015 – present	Robert Wood Johnson Foundation, Healthy Food Retail Working Group
2015 – present	New York Academy of Science, Obesity, Diabetes and Nutrition-related Diseases Working Group for the Sackler Institute for Nutrition Sciences
2015 – 2016	<i>The Lancet</i> , Commission on Global Diabetes, Core Analytic Team

2015 – present Centers for Disease Control and Prevention, Hunger Safety Net Working Group of the Nutrition and Obesity Policy Research and Evaluation Network

INVITED PRESENTATIONS

National and Regional

2016 University of Washington Seattle, Gloyd Endowed Lecture
“Rethinking public health in the era of precision medicine”

2015 Federal Statistical Research Data Center Annual Conference
“Novel data linkages to understand how to improve nutritional safety nets”

2015 *Health Affairs*, Capitol Hill Briefing
“Innovative international financing mechanisms to address non-communicable disease”

2015 Columbia University, Mailman School of Public Health
“Using simulation models to improve chronic disease prevention in India”

2015 New York Academy of Sciences, Evidence-based Nutrition Policy Conference
“A Mathematical Modeling Approach to Inform Nutrition and Obesity Policy”

2014 Syracuse University, Lourie Memorial Lecture in Health Policy
“Improving public health safety nets after an economic recession”

2014 University of California Davis, Levine Family Fund Lecture in the Dept. of Economics
“Improving the effectiveness of public health safety nets during economic recessions”

2014 University of North Carolina Chapel Hill, Health Eating Research Conference
“How much could SNAP policy changes reduce obesity?”

2014 American Heart Association, Epidemiology and Prevention Conference
“Relationship of soft drink consumption to global overweight, obesity and diabetes”

2014 University of California San Francisco, Global Health Economics Consortium
“New(-ish) methods in observational policy research”

2013 Yale University, Law School
“Big food and global nutritional reform”

2013 Yale University, School of Public Health
“In sickness and in wealth: health effects during economic recession”

2013 City of Seattle, ‘Town Hall’ Lecture
“Economic shocks and health outcomes”

- 2013 Stanford University, Conference on Inequality and Health
“Recessions and inequalities in health”
- 2012 American Public Health Association
“The role of food producers in global cardiovascular disease and diabetes epidemics”
- 2012 University of Southern California
“In sickness and in wealth: the health effects of the Great Recession”
- 2012 University of California San Francisco/San Francisco General Hospital, Grand Rounds
“The health effects of recession”

International

- 2016 American Diabetes Association, 76th Scientific Sessions
“Novel approaches to assess policy interventions to reduce diabetes and cardiovascular disease incidence (e.g., taxes, subsidies, and neighborhood-wide interventions)”
- 2015 Harvard University, Inaugural Forum on Population Health Equity
“Social and economic policies and their impacts on population health”
- 2013 Public Health Foundation of India
“Benefits & pitfalls of using models to understand chronic disease interventions”
- 2013 London School of Hygiene and Tropical Medicine
“The relationship of sugar consumption to global diabetes prevalence”
- 2013 Rockefeller Foundation Meeting on Unhealthy Food Markets in the Developing World
“Food markets and non-communicable disease in low-income populations”
- 2013 United Nations Population Division, Expert Panel on Survival
“The changing landscape of non-communicable diseases and risk factors”
- 2013 World Affairs Council
“Economic shocks and public health”
- 2012 International Conference on Financing for Health and Social Protection
“How to finance social protection? A mathematical model”

COMMUNITY SERVICE

- 2005 – present Possible Health Foundation
Co-Founder and Member of the Board of Advisors
- 2012 – present Stanford Arbor Free Clinic
Attending Physician

2016 – present Truman Scholarship Foundation
Selection Panel

REFERENCES

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