

Nikkil Sudharsanan

Curriculum Vitae

Email: nsudharsanan@hsph.harvard.edu

Web: www.nikkilsudharsanan.com

Current Position

2017 - David E. Bell Postdoctoral Fellow, *Harvard Center for Population and Development Studies, Harvard T.H. Chan School of Public Health*, Cambridge, U.S.A.

Other Affiliations

2018 - Senior Research Fellow in Health Systems, *IFMR LEAD*, Chennai, India

2016 - Research Affiliate in Population and Health, *Society for Education, Action and Research in Community Health*, Gadchiroli, India

2015 - Fellow, *Leonard Davis Institute for Health Economics, University of Pennsylvania*, Philadelphia, U.S.A.

Education

2017	Ph.D.	Demography (with distinction)	<i>University of Pennsylvania</i>
2016	M.A.	Statistics	<i>University of Pennsylvania</i>
2013	M.P.H.	Global Health	<i>Emory University</i>
2010	B.A.	Interdisciplinary Studies (Health and Development track)	<i>University of California, Berkeley</i>

Research Interests

Population health, health policy, aging, non-communicable diseases, India, Indonesia.

Peer-Reviewed Publications

Forth **Sudharsanan, Nikkil.** "Population-level Mortality Benefits of Improved Blood Pressure Control in Indonesia: A Modeling Study." *International Journal of Epidemiology*, (Forthcoming).

2018 **Sudharsanan, Nikkil,** David Bloom. "Aging in Low- and Middle-Income Countries: Chronological versus Functional Perspectives." *National Academy of Sciences* volume on *The Future Directions for the Demography of Aging*.

2017 **Sudharsanan, Nikkil,** Lulu Tian, Emily Ambinder, Alex Ambinder, Neil K. Mehta, R. Pradeepa, M. Deepa, V. Mohan, Mohammed K. Ali. "Cardiovascular Risk Factors in Rural-to-Urban Migrants Versus the Urban-Born: Evidence from Chennai, India." *Global Heart*, (2017): 10.1016/j.gheart.2017.07.003.

- 2017 **Sudharsanan, Nikkil**. “The Association Between Socioeconomic Status and Adult Mortality in a Developing Country: Evidence from a Nationally Representative Longitudinal Survey of Indonesian Adults.” *Journal of Gerontology: Social Sciences*, (2017): gbx061.
- 2016 **Sudharsanan, Nikkil**, Jere R. Behrman, and Hans–Peter Kohler. “Limited Common Origins of Multiple Adult Health-Related Behaviors: Evidence from U.S. twins.” *Social Science & Medicine*, 171 (2016): 67-83.
- 2016 **Sudharsanan, Nikkil**, Sebastian Romano, and Solveig A. Cunningham. “School Breakfast Receipt and Obesity among American Fifth-and Eighth-Graders.” *Journal of the Academy of Nutrition and Dietetics*, 116.4 (2016): 599-607.
- 2015 **Sudharsanan, Nikkil**, Mohammed K. Ali, Neil K. Mehta, and KM Venkat Narayan. “Population Aging, Macroeconomic Changes, and Global Diabetes Prevalence, 1990–2008.” *Population health metrics*, 13, no. 1 (2015): 1.
- 2013 Mehta, Neil K., **Nikkil Sudharsanan**, and Irma T. Elo. “Race/Ethnicity and Disability Among Older Americans.” *Handbook of minority aging*, (2013): 111-129.

Papers in Progress

- Sudharsanan, Nikkil**, Jessica Y. Ho. “Urban-Rural Differences in Adult Mortality in Indonesia: Cardiometabolic Diseases and a 21st Century Case of the Urban Mortality Penalty.” (invited to revise and resubmit at *Epidemiology*).
- Kalkonde, Yogeshwar, **Nikkil Sudharsanan**, Mahesh Deshmukh, and Abhay Bang. “Disease Burden of Stroke in Rural Gadchiroli, India: Estimation of Disability Adjusted Life Years using a Direct Method.” *Under Review*.
- Sudharsanan, Nikkil**, Pascal Geldsetzer. “The Impact of Coming Demographic Changes on the Number of Individuals in Need of Care for Hypertension in Brazil, China, India, Indonesia, Mexico, and South Africa: A Mathematical Projection Study.” *Under Review*.
- Sudharsanan, Nikkil**, Maarten J. Bijlsma. “Methods for Population Health: A Counterfactual Approach to Decomposing Social Differences in Health.” *In progress*.
- Sudharsanan, Nikkil**, Collin F. Payne, William H. Dow, and Eileen Crimmins. “Socioeconomic Status and Adult Mortality in Low- and Middle-Income Countries.” *In progress*.
- Gupta, Aashish, **Nikkil Sudharsanan**. “Social Inequality and Longevity in India.” *In progress*.

Grants Awarded

- 2018 “Improving Non-Communicable Disease Management in India: Application of Behavioral Insights to Treatment Non-Initiation and Non-Adherence,” *Foundations of Human Behavior Initiative*, Harvard University (\$37,000), with Margaret McConnell and Mohammed K. Ali, Role: PI.
- 2016 “Penn Indian re-SEARCH: Collaboration for High-Impact Health and Demographic Research,” *Global Engagement Fund*, University of Pennsylvania (\$25,000), Role: Co-I.

- 2015 Graduate and Professional Student Assembly Travel Grant, *University of Pennsylvania* (\$500).
- 2015 School of Arts and Sciences Dean's Travel Subvention, *University of Pennsylvania* (\$300).
- 2014 School of Arts and Sciences Government Travel Grant, *University of Pennsylvania* (\$500).
- 2012 "Migrant Health in Chennai, India: Assessing Cardiovascular Disease Burden in Migrant and Non-Migrant Urban Populations," *Emory University Global Health Institute* (\$8,000), Role: Co-PI.

Presentations

"Rising ADL Disability Across Cohorts in the United States: Estimating the Role of Changing Mortality Selection" (Poster prize winner presented with Collin F. Payne). *Population Association of America Annual Meeting, April 2018*.

"Methods for Population Health: A Counterfactual Approach to Decomposing Social Differences in Health" (co-authored with Maarten J. Bijlsma). *Population Association of America Annual Meeting, April 2018*.

"Population-Level Mortality Benefits of Improved Blood Pressure Control in Indonesia: A Parametric G-formula Approach." Presented at the *Population Association of America Annual Meeting (April 2018)*, *International Population Conference (November 2017)*, *Boston University Population Health Sciences workshop (October 2017)*, *Harvard University Program on the Global Demography of Aging Seminar (October 2017)*, and *Emory University Global Diabetes Research Center (September 2017)*.

"Urban-Rural Differences in Adult Mortality in Indonesia: A 21st-Century Case of the Urban Mortality Penalty" (co-authored with Jessica Y. Ho). Presented at the *International Population Conference (November 2017)* and the *Adult Mortality Determinants in Low and Middle-Income Countries Workshop (February 2018)*.

"Aging in Low- and Middle-Income Countries: Functional versus Chronological Perspectives" (co-authored with David Bloom). *National Academy of Sciences Workshop on Future Directions for the Demography of Aging, Washington D.C., August 2017*.

"Population Aging and the Threat of Disease Momentum: An Example from Hypertension in Indonesia." (Poster) *Population Association of America, April 2017*.

"Social Inequality and Longevity in India." (Poster with Aashish Gupta) *Population Association of America, April 2017*.

"Consumption, Wealth, and Adult Life Expectancy in a Developing Country: Evidence from Indonesian Adults." *Workshop on Adult Mortality Determinants in Low- and Middle-Income Countries, University of California, Berkeley, March 2017*.

"Poverty and Longevity in a Developing Country: The Dynamics of Disability and Mortality in Indonesia." *Population Association of America, April 2016*.

"Understanding Variation in Health-Related Behaviors: Evidence from American Twins." *Population Association of America, May 2015*.

"Growing Older or Sicker? The Relationship between Population Aging and Macroeconomic Changes to the Growth in Global Diabetes Prevalence between 1990 and 2008." (Poster prize winner with Neil K. Mehta, K.M. Venkat Narayan, and Mohammed K. Ali) *Population Association of America, May 2014*.

“School Breakfast Participation and Obesity Among American Middle School Children” (co-authored with Solvig Cunningham and Sebastian Romano). *Population Association of America, May 2014.*

“Migration and Diabetes Risk Factors, Burden, and Knowledge” (Poster with Lulu Tian). *Global Health Institute Scholars Symposium, Emory University, October 2012.*

“The Association Between Migration on Diabetes Risk Factors and Progression” (with Lulu Tian, Emily Ambinder, and Alex Ambinder). *Madras Diabetes Research Foundation, Chennai, Tamil Nadu, India, August 2012.*

Honors and Awards

- 2018 Poster Prize Winner, Population Association of America
- 2014 Poster Prize Winner, Population Association of America
- 2013 Delta Omega, Honorary Society for Public Health
- 2012 Innovation Award, Emory University Global Health Case Competition
- 2009 Fellow, Health and Medical Apprenticeship, University of California, Berkeley

Teaching

- 2016 Teaching assistant for Irma T. Elo. “Health of Populations,” *University of Pennsylvania*, Undergraduate course.
- 2013 Teaching assistant for Neil K. Mehta, “Population Dynamics,” *Emory University*, Masters course.
- 2012 Teaching assistant for Deborah McFarland. “Global Health Challenges and Opportunities,” *Emory University*, Masters course.

Professional Service

Member: Population Association of America, 2013-Current

Reviewer: Social Science & Medicine, Population Health Metrics, Health Policy and Planning, Public Health Nutrition, Research in Aging, Demographic Research

Session Chair: “Chronic disease and mortality in a global context”, Population Association of America 2016

Conference organizer: “Health and Society in South Asia, 2017”, University of Pennsylvania