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Department of Health Policy and Management
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EMPLOYMENT POSITIONS AND AFFILIATIONS

- 2007 - present Assistant Professor of Health Economics
Department of Health Policy and Management
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
- 2009-2011 Economist
Africa Region
Poverty Reduction and Economic Management Unit
The World Bank (on leave from UNC-Chapel Hill)
Washington, DC
- 2008 - present Faculty Fellow
Carolina Population Center, UNC-Chapel Hill
- 2009 - present Affiliate, Bureau for Research and Economic Analysis of Development
(BREAD)
- 2006 - 2007 Post-Doctoral Fellow, Center for Global Development, Washington, DC

EDUCATION

- 2006 Ph.D., Yale University, economics (development, health, econometrics)
2003 M.Phil., Yale University, economics
2002 M.A., Yale University, economics
1998 B.A., Oberlin College, economics and physics

FELLOWSHIPS, AWARDS, AND HONORS

- 2007 New Investigator in Global Health Award, Global Health Council
2005 Yale University Dissertation Fellowship
2005 John F. Enders Fellowship, Yale University
2002-2003 Sasakawa Fellowship, Yale University
2000-2004 Yale University Fellowship
2000 Honorable Mention, NSF Graduate Fellowship Competition
1998 Phi Beta Kappa and Sigma Xi
1998 Joel Dean Prize in Economics, Oberlin College

RESEARCH AND TEACHING FIELDS

Development economics, health economics, applied econometrics

PUBLISHED AND FORTHCOMING PAPERS

Thirumurthy H, Pop-Eleches C, Goldstein M, Habyarimana J, Graff Zivin J. Behavioral responses of patients in AIDS treatment programs: sexual behavior in Kenya. *Forum for Health Economics and Policy* 2011; in press.

Thirumurthy H, Graff Zivin J. Health and labor supply in the context of HIV/AIDS: the long-run economic impacts on antiretroviral therapy. *Economic Development and Cultural Change* 2011; in press.

Ickes S, Adair L, Bentley M, Jilcott S, Thirumurthy H, Handa S, Ammerman A. Examination of facilitators and barriers to home-based supplemental feeding with ready-to-use food for underweight children in western Uganda. *Maternal and Child Nutrition* 2012; 8(1):115-129.

Thirumurthy H, Haberer J, Habyarimana JP, Pop-Eleches C, Bangsberg DR. Response to “Improving adherence with text message trade-offs: could losing social support be deadly?” *AIDS* 2011; 25(8):1138-1139.

Pop-Eleches C, Thirumurthy H, Habyarimana J, Graff Zivin J, Goldstein M, DeWalque D, MacKeen L, Haberer J, Sidle J, Ngare D, Bangsberg D. Mobile phone technologies improve adherence to antiretroviral treatment in resource-limited settings: a randomized controlled trial of text message reminders. *AIDS* 2011; 25(6):825-834.

Thirumurthy H, Jafri A, Srinivas G, Arumugam V, Saravanan RM, Angappan SK, Ponnusamy M, Raghavan S, Merson M, Kallollikar S. Two-year impacts on employment and income among adults receiving antiretroviral therapy in Tamil Nadu, India: a cohort study. *AIDS* 2011; 25(2):239-46.

Holmes CB, Thirumurthy H, Padian NS, Goosby EP. AIDS funds: prevention. *Science* 2010; 330:176-77.

Graff Zivin J, Goldstein M, Thirumurthy H. AIDS treatment and intrahousehold resource allocations: children’s nutrition and schooling in Kenya. *Journal of Public Economics* 2009; 93: 1008-15.

D’Adda G, Goldstein M, Nangami M, Graff Zivin J, Thirumurthy H. ARV treatment and time allocation to household tasks: evidence from Kenya. *African Development Review* 2009; 21: 180-208.

Thirumurthy H, Goldstein M, Graff Zivin J. The economic impact of AIDS treatment: labor supply in western Kenya. *Journal of Human Resources* 2008; 43: 511-552.

Warner RE, McKinnon MH, Thirumurthy H, Nadasen A. Trajectory-modification and correlation effects on light-ion total reaction cross sections. *Physical Review C* 1999; 59(2).

Warner RE, Thirumurthy H, Woodroffe J, et al. Reaction cross sections in Silicon of light proton-halo candidates: ^{12}N and ^{17}Ne . *Nuclear Physics A* 1998; 635(3).

BOOK CHAPTERS

Beegle K, Goldstein M, Thirumurthy H. Microeconomic perspectives on the impacts of HIV/AIDS. In Sahn D (editor), The Socioeconomic Dimensions of HIV/AIDS in Africa: Challenges, Opportunities and Misconceptions. Ithaca, NY: Cornell University Press. 2010.

Goldstein M, Graff Zivin J, Thirumurthy H. The household impacts of treating HIV/AIDS in developing countries. In Yifu JL and Pleskovic B (editors), Annual World Bank Conference on Development Economics 2009: People, Politics, and Globalization. Washington: The World Bank. 2010.

PAPERS UNDER REVIEW

Graff Zivin J, Damon M, Thirumurthy H. Health shocks and natural resource management: evidence from western Kenya. 2011. Revision requested by *Journal of Development Economics*.

Goldstein M, Graff Zivin J, Habyarimana J, Pop-Eleches C, Thirumurthy H. The impact of health worker absence on health outcomes: evidence from western Kenya. 2011. Revision requested by *American Economic Journal: Applied Economics*.

Akresh R, Lucchetti L, Thirumurthy H. Wars and child health: evidence from the Eritrean-Ethiopian conflict. 2011. Revision requested by *Journal of Development Economics*.

OTHER WRITING

“Antiretroviral Treatment Improves Health of Economy,” op-ed in *Daily Nation* newspaper (Kenya), May 30, 2006.

ABSTRACTS AND PEER-REVIEWED SCIENTIFIC PRESENTATIONS

Pop-Eleches C, Thirumurthy H, Habyarimana J, Graff Zivin J, Goldstein M, DeWalque D, MacKeen L, Haberer J, Sidle J, Ngare D, Bangsberg D. Mobile phone technologies improve adherence to antiretroviral treatment in resource-limited settings: a randomized controlled trial of text message reminders. Abstract on conference CD-Rom at the International AIDS Society (IAS) conference; 2010; Vienna. Abstract no. CDB0207.

Lee I-H, Stearns S, Becker C, Thirumurthy H. The effects of orphan fostering on the education, employment, and health of co-residing young adults in metropolitan Cape Town. Poster presentation at the International AIDS Society (IAS) conference; 2010; Vienna. Abstract no. TuPe0505.

Lee I-H, Thirumurthy H, Becker C, Pettifor A. Effect of parental investment on sexual concurrency among young adults in metropolitan Cape Town, South Africa. Poster presentation at American Public Health Association (APHA) meetings; 2009; Philadelphia. Abstract no. 201317.

Emenyonu N, Muyindike W, Habyarimana J, Pop-Eleches C, Thirumurthy H, Ragland K, Bangsberg D. Cash transfers to cover clinic transportation costs improve retention in care in a HIV treatment program in rural Uganda. Poster presentation at Conference on Retroviruses and Opportunistic Infections (CROI); 2009; Montreal. Abstract no. 831.

Thirumurthy H, Saravanan R, Srinivas G, Jafri A, Sreevidya J, Sahu S. The impact of antiretroviral therapy on socio-economic outcomes of HIV-infected patients in Tamil Nadu Family Care Continuum Program, India. Oral presentation at International AIDS Society (IAS) conference; 2008; Mexico City. Abstract no. ThAd0204.

Chakravarty S, Thirumurthy H, Nangami MN, Siika AM, Yiannoustos CT, Gichunge C, Wools-Kaloustian K. The impact of a nutrition program on clinical outcomes of patients in an HIV care and treatment program in western Kenya. Poster presentation at International AIDS Society (IAS) conference; 2008; Mexico City.

Graff Zivin J, Goldstein M, Thirumurthy H. AIDS treatment and intrahousehold resource allocations: children's nutrition and schooling in Kenya. Oral presentation at African Economic Research Consortium conference; 2007; Nairobi.

Graff Zivin J, Goldstein M, Thirumurthy H. AIDS treatment and intrahousehold resource allocations: children's nutrition and schooling in Kenya. Oral presentation at Bureau for Research and Economic Analysis of Development (BREAD) conference; 2007; Princeton.

Graff Zivin J, Goldstein M, Thirumurthy H. AIDS treatment and intrahousehold resource allocations: children's nutrition and schooling in Kenya. Oral presentation at Population Association of America (PAA) meetings; 2007; New York.

Goldstein M, Graff Zivin J, Nangami M, Thirumurthy H. HIV/AIDS and socio-economic status: new evidence from a household survey in rural western Kenya. Poster presentation at International AIDS Society (IAS) conference; 2006; Toronto. Abstract no. TuPe0664.

Thirumurthy H, Graff Zivin J, Goldstein MP. The impact of antiretroviral therapy on employment outcomes of HIV-infected individuals and their families: evidence from rural western Kenya. Oral presentation at International AIDS Society (IAS) conference; 2006; Toronto. Abstract no. TuAd0203.

Papas RK, Thirumurthy H, Graff Zivin J, Goldstein M. Gender-related risk factors for physical partner violence among HIV patients and non-diagnosed community residents of rural western Kenya. Abstract on conference CD-Rom at the International AIDS Society (IAS) conference; 2006; Toronto. Abstract no. CDD0178.

INVITED PRESENTATIONS

2011

The World Bank

RAND

2010

International AIDS Society (IAS) conference. Vienna, Austria. (Symposium speaker)

Hewlett/Population Reference Bureau annual conference. Cape Town
University of Michigan, Department of Economics

2009

Duke University, Department of Economics

2008

International AIDS Society (IAS) conference. Mexico City. (Oral presentation).

Annual Bank Conference in Development Economics. Cape Town.

Duke University, Department of Economics.

The World Bank. Washington, DC.

RAND. Arlington, VA.

United Nations. New York, NY.

2007

University of Zimbabwe.

Triangle Health Economics seminar, UNC-Chapel Hill.

Population Association of America annual meetings. New York, NY.

Duke University Development Economics conference.

Bureau for Research and Economic Analysis of Development (BREAD) conference.

Princeton, NJ

African Economic Research Consortium conference. Nairobi.

2006 and earlier

International AIDS Society (IAS) conference. Toronto, Canada. (Oral presentation).

RAND. Santa Monica, CA.

Williams College, Department of Economics.

Center for Global Development. Washington, DC.

Michigan State University, Department of Economics.

UNC-Chapel Hill School of Public Health.

International Food Policy Research Institute. Washington, DC.

Northeast Universities Development Consortium Conference. Ithaca, NY.

Columbia University School of Public Health.

Yale University, Department of Economics.

Yale University Center for Interdisciplinary Research on AIDS.

GRANT SUPPORT

Ongoing

K01 HD061605-01A1 (Principal Investigator) 08/15/2011-08/14/2016

NICHD

Preferences, expectations, and the prediction of health and economic behavior

R01 MH093241-01 (Co-investigator) 01/01/2011-09/30/2015

NIMH

Social Cash Transfers, Household Risk and HIV Prevention in Kenya

R01 MH087118-01 (Co-investigator) 07/01/2009-04/30/2014

NIMH

Effects of Cash Transfer and Community Mobilization in Young South African Women

Completed

20070117 (Co-investigator) 08/01/2007-05/14/2009
Operations Research on AIDS Care and Treatment in Africa Award (ORACTA)
Doris Duke Charitable Foundation
Transport Support to Improve ARV Treatment Outcomes in Uganda

7144565 (Principal Investigator) 05/01/2007-12/31/2008
The World Bank
Adherence to ARV treatment in Kenya

No grant number (Co-Investigator) 09/01/2005-02/28/2007
United States Agency for International Development
Economic Impacts of Disease and Treatment on Household Welfare in Kenya

No grant number (Co-Investigator) 03/01/2004-12/31/2005
The World Bank
Economic Impacts of Disease and Treatment in Kenya

No grant number (Co-Investigator) 03/01/2004-12/31/2004
Center for Interdisciplinary Research on AIDS, Yale University
HIV Testing and Behavior Change (Pilot Project in HIV/AIDS Prevention Research Grant)

TEACHING EXPERIENCE

2011 UNC-Chapel Hill, Health economics (master's)
2009 UNC-Chapel Hill, Health economics (master's)
2008 UNC-Chapel Hill, Health economics (master's)
2007 Georgetown Public Policy Institute, International health policy (master's)
2006 Yale University, Teaching Assistant, Development economics (master's)
2003 Yale University, Teaching Assistant, Microeconomics (undergraduate)