

SAM HEFT-NEAL

Center on Food Security and the Environment
Stanford University
Y2E2 369, 473 Via Ortega, Stanford, CA 94305

Email: sheftneal@stanford.edu
Web: <http://stanford.edu/~samhn/>
<http://fsedata.stanford.edu>

EMPLOYMENT

Research Scholar (2017 - present)
Center on Food Security and the Environment, Stanford University

Postdoctoral Scholar (2015 - 2017),
Department of Earth System Science, Stanford University

EDUCATION

Ph.D. in Agricultural & Resource Economics, University of California, Berkeley, 2015
B.A. in Statistics & Economics with Honors, University of California, Berkeley, 2007

PUBLICATIONS

- Sam Heft-Neal, Jen Burney, Eran Bendavid, Kara Voss & Marshall Burke. 2020. "Dust pollution from the Sahara and African infant mortality". *Nature Sustainability*.
- Nathan Lo, Ribhav Gupta, David Addiss, Eran Bendavid, Sam Heft-Neal, Alexei Mikhailov, Antonio Montresor & Pamela Sabina Mbabazi. "Comparison of World Health Organization and Demographic and Health Survey data to estimate sub-national deworming coverage in pre-school children". *PLOS Neglected Tropical Diseases*, *forthcoming*
- Zachary Wagner, Sam Heft-Neal, Paul Wise, Robert Black, Marshall Burke, Ties Boerma, Zulfiqar Bhutta & Eran Bendavid. 2019. "Women and children living in areas of armed conflict in Africa: a geospatial analysis of mortality and orphanhood". *The Lancet Global Health*, 7(12).
- Nathan Lo, Sam Heft-Neal, Jean Coulibaly, Leslie Leonard, Eran Bendavid, & David Addiss. 2019. "State of deworming coverage and equity in low-income and middle-income countries using household health surveys: a spatiotemporal cross-sectional study". *The Lancet Global Health*, 7(11).
- Corey Bradshaw, Sarah Otto, Alicia Annamalay, Sam Heft-Neal, Zach Wagner, & Peter Le Souef. 2019. "Socio-economic and environmental determinants of child health among African nations". *BMJ Open*, 9(9).
- Zach Wagner, Sam Heft-Neal, Zulfiqar Bhutta, Robert Black, Marshall Burke, & Eran Bendavid. 2018. "Armed conflict and child mortality in Africa: a geospatial analysis". *The Lancet*, 392 (10150).
- Sam Heft-Neal, Jennifer Burney, Eran Bendavid, & Marshall Burke. 2018. "Robust relationship between air quality and infant mortality in Africa". *Nature*, 559 (7713).
- Marshall Burke, Felipe Gonzalez, Patrick Baylis, Sam Heft-Neal, Ceren Baysan, Sanjay Basu, & Solomon Hsiang. 2018. "Rising temperatures increase suicide rates in the United States and Mexico". *Nature Climate Change*, 8 (1).
- Nathan Lo, Jedidiah Snyder, David Addiss, Sam Heft-Neal, Jason Andrews, & Eran Bendavid. 2018. "Deworming in pre-school age children: A global empirical analysis of health outcomes". *PLOS Neglected Tropical Diseases*, 12 (5).

Sam Heft-Neal, Marshall Burke, & David Lobell. 2017. “Using remotely sensed surface temperature to estimate climate response functions”. *Environmental Research Letters*, 12 (1).

Marshall Burke, Sam Heft-Neal, & Eran Bendavid. 2016. “Understanding variation in child mortality across Sub-Saharan Africa: A spatial analysis”. *The Lancet Global Health*, 4 (12).

PAPERS IN PREPARATION, SUBMITTED, OR UNDER REVIEW

“The Health Impacts of Armed Conflict on Women, Children, and Adolescents” (with Eran Bendavid & others) [Revisions requested at *The Lancet*]

“The changing risk and burden of wildfire in the US” (with Marshall Burke, Jen Burney, Jenny Xue, and Anne Driscoll) [*submitted*]

“A panel study of associations between wildfire smoke during pregnancy and risk of preterm birth in California (2006-2012)” (with Marshall Burke, Anne Driscoll, & Gary Shaw) [*submitted*]

“Divergent Global-Scale Societal Impacts from Identical National-Scale Aerosol Emissions” (with Geeta Persad, Jen Burney, Eran Bendavid, Jon Proctor, & Marshall Burke) [*in prep*]

“Identifying global impacts of pollution on infant mortality” (with Martin Heger, Vaibhav Rathi & Marshall Burke) [*in prep*]

“Climate impacts on African health under competing risks” (with Marshall Burke, Vaibhav Rathi, & Erin Mordecai) [*in prep*]

“Weather shocks at birth and human capital accumulation: evidence from Peru” (with Manuel Barron & Tania Perez) [*in prep*]

“Environmental constraints on elite worker productivity: evidence from professional tennis” (with David Lobell, Marshall Burke, Vincent Tanutama, & Miyuki Hino) [*in prep*]

“The dynamics of weather, yields and deforestation: Evidence from soy in the Brazilian Amazon” (with Drew Behnke & Ryan Abman) [*in prep*]

“Lost Production: Accounting for Crop Damages in Measures of Agricultural Productivity” [*in prep*]

“Long Run Implications of Environmental Changes for Agricultural Credit Markets” [*in prep*]

FELLOWSHIPS AND AWARDS

Top 10 Clinical Research Achievement Award 2018 (*for Heft-Neal et al 2018*)

National Science Foundation Graduate Research Fellowship 2011-2014

One Health Research Fellowship, University of California Global Health Institute, 2011

REFEREE SERVICE

Earth’s Future, Environment and Development Economics, Environmental Research, Environmental Research Letters, Global Environmental Change, Lancet Planetary Health, Nature, Philosophical Transactions A

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