

Stanford



Sam Heft-Neal

Research Scholar

Center on Food Security and Environment at FSI

Bio

BIO

Sam Heft-Neal is a Research Scholar at the Center on Food Security and the Environment. Sam is working to identify the impacts of environmental changes on health, agriculture, and food availability around the world. His recent work combines household surveys with remote sensing data to examine environmental drivers of child health. Sam holds a Ph.D. in Agricultural and Resource Economics from the University of California, Berkeley and a B.A. in Statistics and Economics from the same institution.

ACADEMIC APPOINTMENTS

- Social Science Research Scholar, Center on Food Security and Environment at FSI

HONORS AND AWARDS

- Top 10 Clinical Research Achievement Award, Clinical Research Forum (03/03/2019)

LINKS

- CV: <http://stanford.edu/~samhn/SamHeftNealCV.pdf>
- Website: <http://stanford.edu/~samhn/>
- Lab Site: <https://www.stanfordecholab.com/>
- Github: <https://github.com/sheftneal>
- Google Scholar: <https://scholar.google.com/citations?user=29qMJjAAAAAJ&hl=en>

Publications

PUBLICATIONS

- **Associations between wildfire smoke exposure during pregnancy and risk of preterm birth in California.** *Environmental research*
Heft-Neal, S., Driscoll, A., Yang, W., Shaw, G., Burke, M.
2021; 111872
- **The changing risk and burden of wildfire in the United States.** *Proceedings of the National Academy of Sciences of the United States of America*
Burke, M., Driscoll, A., Heft-Neal, S., Xue, J., Burney, J., Wara, M.
2021; 118 (2)
- **The effects of armed conflict on the health of women and children.** *Lancet (London, England)*
Bendavid, E. n., Boerma, T. n., Akseer, N. n., Langer, A. n., Malembaka, E. B., Okiro, E. A., Wise, P. H., Heft-Neal, S. n., Black, R. E., Bhutta, Z. A.
2021
- **Fine Particulate Air Pollution, Early Life Stress, and Their Interactive Effects on Adolescent Structural Brain Development: A Longitudinal Tensor-Based Morphometry Study.** *Cerebral cortex (New York, N.Y. : 1991)*

Miller, J. G., Dennis, E. L., Heft-Neal, S., Jo, B., Gotlib, I. H.
2021

- **Comparison of World Health Organization and Demographic and Health Surveys data to estimate sub-national deworming coverage in pre-school aged children.** *PLoS neglected tropical diseases*
Lo, N. C., Gupta, R., Addiss, D. G., Bendavid, E., Heft-Neal, S., Mikhailov, A., Montresor, A., Mbabazi, P. S.
2020; 14 (8): e0008551
- **Dust pollution from the Sahara and African infant mortality** *NATURE SUSTAINABILITY*
Heft-Neal, S., Burney, J., Bendavid, E., Voss, K. K., Burke, M.
2020
- **Testing the socioeconomic and environmental determinants of better child-health outcomes in Africa: a cross-sectional study among nations.** *BMJ open*
Bradshaw, C. J., Otto, S. P., Mehrabi, Z., Annamalay, A. A., Heft-Neal, S., Wagner, Z., Le Souef, P. N.
2019; 9 (9): e029968
- **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*
Lo, N. C., Heft-Neal, S. n., Coulibaly, J. T., Leonard, L. n., Bendavid, E. n., Addiss, D. G.
2019
- **Women and children living in areas of armed conflict in Africa: a geospatial analysis of mortality and orphanhood.** *The Lancet. Global health*
Wagner, Z. n., Heft-Neal, S. n., Wise, P. H., Black, R. E., Burke, M. n., Boerma, T. n., Bhutta, Z. A., Bendavid, E. n.
2019
- **Armed conflict and child mortality in Africa: a geospatial analysis.** *Lancet (London, England)*
Wagner, Z., Heft-Neal, S., Bhutta, Z. A., Black, R. E., Burke, M., Bendavid, E.
2018
- **Robust relationship between air quality and infant mortality in Africa** *NATURE*
Heft-Neal, S., Burney, J., Bendavid, E., Burke, M.
2018; 559 (7713): 254+
- **Deworming in pre-school age children: A global empirical analysis of health outcomes.** *PLoS neglected tropical diseases*
Lo, N. C., Snyder, J. n., Addiss, D. G., Heft-Neal, S. n., Andrews, J. R., Bendavid, E. n.
2018; 12 (5): e0006500
- **Higher temperatures increase suicide rates in the United States and Mexico** *Nature Climate Change*
Burke, M., González, F., Baylis, P., Heft-Neal, S., Baysan, C., Basu, S., Hsiang, S.
2018; 8 (8): 723--729
- **Using remotely sensed temperature to estimate climate response functions** *Environmental Research Letters*
Heft-Neal, S., Lobell, D. B., Burke, M.
2017; 12 (1): 014013
- **Sources of variation in under-5 mortality across sub-Saharan Africa: a spatial analysis.** *The Lancet. Global health*
Burke, M., Heft-Neal, S., Bendavid, E.
2016