

Andrea C. Farnham, PhD

Publications in international peer-reviewed journals

Postdoctoral publications

1. **Farnham, A**, Winkler, MS, Zabré, HR, Divall, MJ, Knoblauch, AM. Spatial mobility and large-scale resource extraction: An analysis of community well-being and health in a copper mining area of Zambia. *Extr Ind Soc* 2021 Nov. <https://doi.org/10.1016/j.exis.2021.101016>
2. Zabré, HR, **Farnham, A**, Diagbouga, S, Fink, G, Divall, MJ, Knoblauch, AM. *Changes in household wealth in communities living in proximity to a large-scale copper mine in Zambia*. *Resources Policy* 2021 Dec;74: 102395. <https://doi.org/10.1016/j.resourpol.2021.102395>. Role: supervised the statistical and analytical approach, conducted the statistical modelling, guided interpretation of results, provided key critical revision.
3. Lyatuu, I, Winkler, MS, Loss, G, **Farnham, A**, Dietler, D, Fink, G. *Estimating the mortality burden of large scale mining projects—Evidence from a prospective mortality surveillance study in Tanzania*. *PLOS Glob Public Health* 2021 1(10): e0000008. <https://doi.org/10.1371/journal.pgph.0000008>. Role: Advised on the study design, statistical and analytical approach, provided critical revision.
4. Zabré, HR, Knoblauch, AM, Diagbouga, S, Fink, G, Owuor, M, Nduna, K, Chisanga, M, Musunka, G, Divall, MJ, Winkler, MS, **Farnham, A**. *Changes in socioeconomic determinants of health in a copper mine development area, northwestern Zambia*. <https://doi.org/10.1016/j.exis.2021.100985>. Role: Supervised the study design, analytical and statistical approach, and manuscript drafting, conducted the statistical modelling, guided interpretation of results, provided key critical revision.
5. Staudacher, P, Brugger, C, Winkler, MS, Stamm, C, **Farnham, A**, Mubeezi, R, Eggen, RIL, Guenther, I. *What agro-input dealers know, sell and say to smallholder farmers about pesticides: a mystery shopping and KAP analysis in Uganda*. *Environ Health* 20, 100 (2021). <https://doi.org/10.1186/s12940-021-00775-2>. Role: Advised on study design, data collection, and analytical and statistical approach, provided critical revision.
6. **Farnham, A**, Fuhrmann, S, Staudacher, P, Quirós-Lépiz, M, Hyland, C, Winkler, MS, Mora, AM. *Long-Term Neurological and Psychological Distress Symptoms among Smallholder Farmers in Costa Rica with a History of Acute Pesticide Poisoning*. *Int J Environ Res Public Health* 2021; 18(17):9021. <https://doi.org/10.3390/ijerph18179021>. Role: Wrote manuscript, conducted statistical analysis, incorporated feedback from co-authors, corresponded with editor, handled revisions.
7. Fuhrmann, S, **Farnham, A**, Staudacher, P, Atuhaire, A, Manfioletti, T, Niwagaba, CB, Namirembe, S, Mugweri, J, Winkler, MS, Portengen, L, Kromhout, H, Mora, AM. *Exposure to multiple pesticides and neurobehavioral outcomes among smallholder farmers in Uganda*. *Environ Int*, 152 (2021): 106477. <https://doi.org/10.1016/j.envint.2021.106477>. Role: Advised on key statistical and analytical approaches, provided key critical revision.

8. Dietler, D, Loss, G, **Farnham, A**, de Hoogh, K, Fink, G, Utzinger, J, Winkler, MS. *Housing conditions and respiratory health in children in mining communities: An analysis of data from 27 countries in sub-Saharan Africa*. *Environ Impact Assess Rev* 89 (2021): 106591. <https://doi.org/10.1016/j.eiar.2021.106591>. Role: Advised on statistical and analytical approaches, provided critical revision.
9. Dietler, D, **Farnham, A**, Loss, G, Fink, G, Winkler, MS. *Impact of mining projects on water and sanitation infrastructures and associated child health outcomes: a multi-country analysis of Demographic and Health Surveys (DHS) in sub-Saharan Africa*. *Global Health*. 2021 Jun 30;17(1):70. <https://doi.org/10.1186/s12992-021-00723-2>. Role: Advised on statistical and analytical approach, provided key critical revision.
10. Leuenberger, A, Winkler, MS, Cambaco, O, Cossa, H, Kihwele, F, Lyatuu, I, Zabr e, HR, **Farnham, A**, Macete, E, Munguambe, K. *Health impacts of industrial mining on surrounding communities: Local perspectives from three sub-Saharan African countries*. *PLoS One*. 2021 Jun 4;16(6):e0252433. <https://doi.org/10.1371/journal.pone.0252433>. Role: Advised on study design and data collection, provided key critical revision.
11. Pradyumna, A, Winkler, MS, Utzinger, J, **Farnham, A**. *Association of Livestock Ownership and Household Dietary Quality: Results from a Cross-Sectional Survey from Rural India*. *Int J Environ Res Public Health* 2021; 18(11):6060. <https://doi.org/10.3390/ijerph18116060>. Role: Main supervisor of study design, analysis, and statistical approach, guided interpretation of results, provided key critical revision.
12. Lyatuu, I, Loss, G, **Farnham, A**, Lyatuu, GW, Fink, G, Winkler, MS. *Associations between Natural Resource Extraction and Incidence of Acute and Chronic Health Conditions: Evidence from Tanzania*. *Int J Environ Res Public Health* 2021, 18(11):6052. <https://doi.org/10.3390/ijerph18116052>. Role: Advised on study design and analysis, provided critical revision.
13. Leuenberger, A, Dietler, D, Lyatuu, I, **Farnham, A**, Kihwele, F, Brugger, F, Winkler, MS. *Water and health in mining settings in sub-Saharan Africa: A mixed methods geospatial visualization*. *Geospatial Health* 2021, 16(1). <https://doi.org/10.4081/gh.2021.965>. Role: Advised on study design and analysis, provided critical revision.
14. Lyatuu, I, Loss, G, **Farnham, A**, Winkler, MS, Fink, G. *Short-term effects of national-level natural resource rents on life expectancy: A cross-country panel data analysis*. *PLoS One*. 2021 May 28;16(5):e0252336. <https://doi.org/10.1371/journal.pone.0252336>. Role: Advised on analysis and statistical approach, provided critical revision.
15. Leuenberger, A, Kihwele, F, Lyatuu, I, Kengia, JT, **Farnham, A**, Winkler, MS, Merten, S. *Gendered health impacts of industrial gold mining in northwestern Tanzania: perceptions of local communities*. *Impact Assess Proj Apprais* 2021, 39(3). <https://doi.org/10.1080/14615517.2021.1904697>. Role: Advised on study design, data collection, and analysis, provided key critical revision.

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16. Pradyumna, A, **Farnham, A**, Utzinger, J, Winkler, MS. *Health impact assessment of a watershed development project in southern India: a case study*. Impact Assess Proj Apprais 2021, 39(2). <https://doi.org/10.1080/14615517.2020.1863119>. Role: Advised on study design, analysis, and statistical approach; provided key critical revision.
17. Erismann, S, Pesantes, MA, Beran, D, Leuenberger, A, **Farnham, A**, Berger Gonzalez de White, M, Labhardt, ND, Tediosi, F, Akweongo, P, Kuwawenaruwa, A, Zinsstag, J, Brugger, F, Somerville, C, Wyss, K, Prytherch, H. *How to bring research evidence into policy? Synthesizing strategies of five research projects in low-and middle-income countries*. Health Res Policy Syst. 2021 Mar 6;19(1):29. <https://doi.org/10.1186/s12961-020-00646-1>. Role: Drafted the part of the manuscript related to our research project, provided critical revision.
18. Pradyumna, A, **Farnham, A**, Utzinger, J, Winkler, MS. *Health of Farming Communities Prior to Modification of the Occupational Environment through a Watershed Development Project in Kolar, India*. Indian J Occup Environ Med 2021, 25(2):84-90. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8341411/>. Role: Advised on study design, supervised the statistical and analytical approach, guided interpretation of results, provided key critical revision.
19. Staudacher, P, Fuhrmann, S, **Farnham, A**, Mora, AM, Atuhaire, A, Niwagaba, C, Stamm, C, Mubeezi, R, Eggen, RIL, Winkler, MS. *Comparative Analysis of Pesticide Use Determinants Among Smallholder Farmers From Costa Rica and Uganda*. Environ Health Insights 2020 Dec, 14:1178630220972417. <https://doi.org/10.1177/1178630220972417>. Role: Supervised the statistical approach, guided interpretation of results, provided key critical revision.
20. Hatz, C, Bühler, S, **Farnham, A**. *The COVID-19 pandemic offers a key moment to reflect on travel medicine practice* [published online ahead of print, 2020 Sep 2]. J Travel Med. 2020 Sep;taaa149. <https://doi.org/10.1093/jtm/taaa149>. Role: contributed to the drafting and revising of intellectual content.
21. Knoblauch, AM, **Farnham, A**, Zabré, HR, Owuor, M, Archer, C, Nduna, K, Chisanga, M, Zulu, L, Musunka, G, Utzinger, J, Divall, MJ, Fink, G, Winkler, MS. *Community Health Impacts of the Trident Copper Mine Project in Northwestern Zambia: Results from Repeated Cross-Sectional Surveys*. Int J Environ Res Public Health 2020, 17(10), 3633. <https://doi.org/10.3390/ijerph17103633>. Role: supervised the statistical and analytical approach, conducted statistical modelling, guided interpretation of results, provided key critical revision.
22. **Farnham A**, Cossa H, Dietler D, Engebretsen R, Leuenberger A, Lyatuu I, Nimako B, Zabré HR, Brugger F, Winkler MS. *Investigating Health Impacts of Natural Resource Extraction Projects in Burkina Faso, Ghana, Mozambique, and Tanzania: Protocol for a Mixed Methods Study*. JMIR Res Protoc 2020 Apr;9(4):e17138. <https://doi.org/10.2196/17138>. Role: wrote manuscript, incorporated feedback from co-authors, corresponded with editor, handled revisions.
23. Dietler, D, **Farnham, A**, de Hoogh, K, Winkler, M. *Quantification of Annual Settlement Growth in Rural Mining Areas Using Machine Learning*. Remote Sens. 2020 Jan; 235(12). <https://doi.org/10.3390/rs12020235>. Role: supervised the statistical and analytical approach, drafted R code, guided interpretation of results, provided key critical revision.

24. **Farnham, A**, Utzinger, J, Kulinkina, A, Winkler, M. *Using district health information to monitor sustainable development*. Bull World Health Organ. 2020 Jan; 98(1). <https://www.who.int/bulletin/volumes/98/1/19-239970.pdf>. Role: wrote manuscript, incorporated feedback from co-authors, corresponded with editor, handled revisions.
 25. Knoblauch, AM, **Farnham, A**, Ouoba, J, Zanetti, J, Müller, S, Jean-Richard, V, Utzinger, J, Wehrli, B, Brugger, F, Diagbouga, S, Winkler, M. *Potential health effects of cyanide use in artisanal and small-scale gold mining in Burkina Faso*. J Clean Prod. 2020 Apr; 252. Available online December 2019. <https://doi.org/10.1016/j.jclepro.2019.119689>. Role: supervised the statistical and analytical approach, conducted statistical modelling, guided interpretation of results, provided key critical revision.
 26. Leuenberger, A, **Farnham, A**, Azevedo, S, Cossa, H, Dietler, D, Nimako, B, Adongo, P, Merten, S, Utzinger, J, Winkler, M. *Health impact assessment and health equity in sub-Saharan Africa: A scoping review*. EIA Review. 2019 Nov; 79. <https://doi.org/10.1016/j.eiar.2019.106288>. Role: Provided key critical revision, guided drafting.
 27. Lai, S, **Farnham, A**, Ruktanonchai, NW, Tatem, AJ. *Measuring mobility, disease connectivity and individual risk: a review of using mobile phone data and mHealth for travel medicine*. J Travel Med. 2019 Mar; 26(3). <https://doi.org/10.1093/jtm/taz019>. Role: Wrote the aspects of the manuscript related to the use of mHealth studies in travel medicine, provided key critical revision.
- Doctoral publications (or prior)*
28. **Farnham, A**, Ziegler, S, Blanke, U, Stone, E, Hatz, C, Puhan, MA. *Does the DOSPERT scale predict risk-taking behaviour during travel? A study using smartphones*. J Travel Med. 2018 Sep; 25(1). <https://doi.org/10.1093/jtm/tay064>.
 29. **Farnham, A**, Rössli, M, Blanke, U, Stone, E, Hatz, C, Puhan, MA. *Streaming data from a smartphone application: A new approach to mapping health during travel*. Travel Med Infect Dis. 2017 Nov. <https://doi.org/10.1016/j.tmaid.2017.11.005>.
 30. **Farnham, A**, Kurz, C, Öztürk, MA, Solbiati, M, Myllyntaus, O, Meekes, J, My Pham, T, Paz, C, Langiewicz, M, Andrews, S, Kanninen, L, Agbemabiese, C, Tugce Guler, A, Durieux, J, Jasim, S, Viessmann, O, Frattini, S, Yembergenova, D, Marin Benito, C, Porte, M, Grangeray-Vilmint, A, Prieto Curiel, R, Rehncrona, C, Malas, T, Esposito, F, Hettne, K. *Early career researchers want Open Science*. Genome Biol. 2017 Nov 15;18(1):221. <https://doi.org/10.1186/s13059-017-1351-7>.
 31. **Farnham, A**, Furrer, R, Blanke, U, Stone, E, Hatz, C, Puhan, MA. *The quantified self during travel: mapping health in a prospective cohort of travellers*. J Travel Med. 2017 Sep; 25(5). <https://doi.org/10.1093/jtm/tax050>.
 32. **Farnham, A**, Blanke, U, Stone, E, Puhan, MA, Hatz, C. *Travel medicine and mHealth technology: a study using smartphones to collect health data during travel*. J Travel Med. 2016 Sep; 4;23(6). <https://doi.org/10.1093/jtm/taw056>.

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33. **Farnham, A**, Zimmerman, C, Papadouka, V, Konty, K, Zucker, J, Nattanmai, G, Jose, S, Rosen, J. *Invasive Pneumococcal Disease Following the Introduction of 13-Valent Conjugate Vaccine in Children in New York City From 2007 to 2012*. JAMA Pediatr. 2015 Jul; 169(7):646-52.
<https://doi.org/10.1001/jamapediatrics.2015.0612>.
34. **Farnham, A**, Alleyne, L, Cimini, D, Balter, S. *Legionnaires' disease incidence and risk factors, New York, New York, USA, 2002–2011*. Emerg Infect Dis. 2014 Nov; 20(11): 1795–1802.
<https://doi.org/10.3201/eid2011.131872>.