

Solis Winters

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EDUCATION

Ph.D., Health Policy, Population & Data Science track

Expected 2025

University of California, Berkeley, School of Public Health

Graduate Certificate in Applied Data Science

Advisor: Dr. Lia Fernald, Brian and Jennifer Maxwell Endowed Professor in Public Health

B.S., Biostatistics and Public Health, *summa cum laude*

2018

Saint Louis University, College for Public Health and Social Justice

Minors in Engineering Mathematics and Urban Poverty Studies

- Biostatistics Capstone: “The Black-White Disparities in Preterm Birth in St. Louis City and County”
- University Honors Program Capstone: “Understanding the Role of Social Support Among Low Food-Secure Adults in Missouri”

RESEARCH

Peer-Reviewed Journal Articles

Njau, P. F., Katabaro, E., **Winters, S.**, Sabasaba, A., Hassan, K., Joseph, B., Maila, H., Msasa, J., Fahey, C. A., Packel, L., Dow, W. H., Jewell, N. P., Ulenga, N., Mwenda, N., & McCoy, S. I. The impact of financial incentives on viral suppression among adults initiating HIV treatment in Tanzania: a hybrid effectiveness-implementation trial. Forthcoming *Lancet HIV*.

Chitle, P., Sheira, L., Katabaro, A., **Winters, S.**, Njau, P., Sabasaba, A., & McCoy, S. (2024). The impact of financial incentives on mental health among adults in HIV care in Lake Zone, Tanzania. *AIDS*.

Winters, S., Martinez, S., & Johannsen, J. (2024). Do improvements in infant and young child feeding (IYCF) practices endure the test of time? *Journal of Health, Population and Nutrition*, 43, 49.

Winters, S., Pitchik, H., Akter, F., Yeasmin, F., Jahir, T., Nurul Huda, T.M., Rahman, M., Winch, P.J., Luby, S.B., & Fernald, L.C.H. (2023). How does women’s empowerment relate to antenatal care attendance? A cross-sectional analysis among rural women in Bangladesh. *BMC Pregnancy and Childbirth*, 23, 436.

Winters, S., Sabasaba, A., Fahey, C.A., Packel, L., Katabaro, E., Ndugile, Y., Njau, P.F., & McCoy, S.I. (2023). Increased prevalence of depression and anxiety among adults initiating antiretroviral therapy during the COVID-19 pandemic in Tanzania. *AIDS Research and Therapy*, 20, 36.

Martinez, S., Murguia, J. M., Rejas, B., & **Winters, S.** (2021). Refrigeration and child growth: What is the connection? *Maternal and Child Nutrition*, e13083.

Acevedo, P., Martinez, S., Pinzon, L., Sanchez-Monin, E., & **Winters, S.** (2020). Distance as a barrier to obstetric care among indigenous women in Panama: a cross-sectional study. *BMJ Open*, 10, e034763.

Gonzalez Acero, C., Martinez, S., Pérez Expósito, A., & **Winters, S.** (2020). Effect of an innovative behavioural change strategy and small-quantity lipid-based nutrient supplements on stunting and obesity in children in Baja Verapaz, Guatemala: protocol for a randomised control trial. *BMJ Open*, 10, e035528.

Manuscripts in Preparation

Gonzalez Acero, C., Martinez, S., Pérez Expósito, A., & **Winters, S.** Effect of an innovative behavioral change strategy coupled with small-quantity lipid-based nutrient supplements on stunting and obesity in children in Baja Verapaz, Guatemala: results from a randomized control trial. Under review at *Maternal and Child Nutrition*.

Tucker, S., **Winters, S.**, Katabaro, E., Mlowe, M., Bradshaw, P., Ahern, J., Packel, L., Hillis, S., Sabasaba, A., Njau, P., & McCoy, S. Adverse Childhood Experiences and Disengagement from HIV Care: A Case-Cohort Study in Tanzania. Under review at *AIDS and Behavior*.

Hémono, R., Katabaro, E., Joseph, B., Maila, H., Msasa, J., Hassan, K., **Winters, S.**, Prata, N., Dow, W., Njau, P., Sabasaba, A., & McCoy, S. Impact of financial incentives on intimate partner violence for women living with HIV initiating antiretroviral therapy. Submitted to *AIDS and Behavior*.

Reports

Gonzalez Acero, C., Martinez, S., Pérez Expósito, A., & **Winters, S.** (2019). SPOON: Programa continuo para mejorar la nutrición: Resultados de la encuesta de línea base en Baja Verapaz, Guatemala. IDB Technical Note No. 1806. Inter-American Development Bank, Washington, DC.

Conference Presentations

Winters, S., Matias, S., Hubbard, A., & Fernald, L. (2024, June 18-21). *Effects of small-quantity lipid-based nutrient supplements on early child growth trajectories compared to micronutrient powders* [Poster presentation]. SER 2024, Austin, TX, USA.

Katabaro, E., Mnyippembe, A., Joseph, B., Maila, H., Msasa, J., Hassan, K., Mwenda, N., Bhattarai, P. R., Kuneshe, J., **Winters, S.**, Sabasaba, A., Njau, P., Packel, L., & McCoy, S. (2023, December 4-9). *Fidelity and acceptability of an mHealth and financial incentive intervention to assess scalability* [Poster presentation]. ICASA 2023, Harare, Zimbabwe.

Njau, P. F., Katabaro, E., **Winters, S.**, Sabasaba, A., Hassan, K., Joseph, B., Maila, H., Msasa, J., Fahey, C. A., Packel, L., Dow, W. H., Jewell, N. P., Ulenga, N., Mwenda, N., & McCoy, S. I. (2023, December 4-9). *The impact of financial incentives on viral suppression among adults starting HIV treatment in Tanzania: a cluster randomized controlled trial* [Oral presentation]. ICASA 2023, Harare, Zimbabwe.

Tucker, S., Katabaro, E., Mlowe, M., **Winters, S.**, Hillis, S., Bradshaw, P., Packel, L., Njau, P., Sabasaba, A., & McCoy, S. I. (2023, December 4-9). *Adverse Childhood Experiences (ACEs) and Disengagement from HIV Care: A Case-Cohort Study in Tanzania* [Poster presentation]. ICASA 2023, Harare, Zimbabwe.

Sabasaba, A., **Winters, S.**, Fahey, C.A., Njau, P.F., Katabaro, E., Ndungile, Y., Packel, L., & McCoy, S.I. (2022, July 29 - August 2). *Increased prevalence of depression and anxiety among adults initiating antiretroviral therapy during the COVID-19 pandemic in Tanzania* [Poster presentation]. AIDS 2022, Montreal, Canada.

Hémono, R., **Winters, S.**, Katabaro, E., Mnyippembe, A., Njau, P., Sabasaba, A., & McCoy, S. (2022, July 29 - August 2). *Changes in intimate partner violence among WLHIV in Tanzania before and during COVID-19* [Poster presentation]. AIDS 2022, Montreal, Canada.

Chitle, P., **Winters, S.**, Fahey, C.A., Packel, L., McCoy, S.I., Katabaro, E., & Sabasaba, A. (2022, July 29 - August 2). *Perceived social status and retention in care after antiretroviral therapy initiation in Tanzania* [Poster presentation]. AIDS 2022, Montreal, Canada.

PROFESSIONAL RESEARCH EXPERIENCE

Graduate Student Researcher 2021-Present

University of California, Berkeley, School of Public Health

- Lead data management, monitoring, and statistical analysis for a cluster randomized control trial to test whether cash incentives can improve treatment adherence among people living with HIV in Tanzania. *PI: Dr. Sandra McCoy, Professor in Residence*

Research Consultant 2022-2023

International Initiative for Impact Evaluation (3ie)

- Led the analysis for the impact evaluation of a nutrition randomized trial in Baja Verapaz, Guatemala and assisted with development of the manuscript. *Supervisor: Dr. Sebastian Martinez, Director of Evaluation*

Graduate Student Researcher 2023

University of California, San Francisco, School of Nursing

- Wrote, updated, and revised R Markdown code to generate monthly, tailored reports based on customer feedback data for drug shop owners enrolled in a randomized controlled trial in Tanzania. *PI: Dr. Jenny Liu, Professor*

Research Consultant 2020

International Initiative for Impact Evaluation (3ie)

- Synthesized evidence around key questions for policymakers in the Philippines as they prepared to respond to challenges posed by COVID-19. *Supervisor: Stuti Tripathi, Senior Evaluation Specialist*

Research Assistant 2018-2020

Inter-American Development Bank, Office of Strategic Planning and Development Effectiveness

- Provided technical support for impact evaluations and research in maternal and child health and nutrition. *Supervisor: Dr. Sebastian Martinez, Principal Economist*

Undergraduate Research Assistant 2018

College for Public Health and Social Justice, Saint Louis University

- Interviewed parents for a qualitative research study to understand the relationship between sleep habits and health among young children in St. Louis

Undergraduate Research Assistant 2015

American Institutes for Research

- Assisted in the evaluation of Plantwise Kenya, a project focused on improving plant health in Kenya by training extension agents and expanding farmer access to plant health information

TEACHING

Graduate Student Instructor

University of California, Berkeley, School of Public Health

- Practicum in MCH Data Analysis II (PH210F) 2024
- Public Health Aspects of Maternal and Child Nutrition (PH207A) 2022
- Nutrition in Developing Countries (PH118) 2021

FELLOWSHIPS, HONORS, AND AWARDS

Interdisciplinary Training in Demography, NIH NICD T32 Fellowship 2022-2023

Computational Social Science Training Program, NIH T32 Fellowship 2021-2022

Biomedical Big Data Training Program, NIH T32 Fellowship 2020-2021

Outstanding Bachelor of Science in Biostatistics Graduating Senior Award	2018
University of Michigan Big Data Summer Institute, NIH BD2K R25 Initiative	2017
Saint Louis University Honors Program	2014-2018

UNIVERSITY SERVICE

Health Policy Social Chair <i>University of California, Berkeley, School of Public Health</i>	2022-2023
Health Policy Executive Committee <i>University of California, Berkeley, School of Public Health</i>	2021-2022
Health Policy Graduate Admissions Committee <i>University of California, Berkeley, School of Public Health</i>	2020-2021
Berkeley Economists for Equity Mentorship Program with DeAnza High School <i>University of California, Berkeley</i>	2021

SKILLS

Languages

- English (native fluency)
- Spanish (heritage speaker; professional proficiency)

Statistical Programs

- R/RStudio/R Markdown, Stata, QGIS (professional proficiency)
- Python, ArcGIS, SAS, SPSS (elementary proficiency)