

SERA L. YOUNG

Professor of Anthropology, Northwestern University

1819 Hinman Avenue, Evanston, IL 60208 :: T +1.607.351.0172

sera.young@northwestern.edu :: www.serayoung.org :: www.WISEscales.org :: [@profserayoung](https://twitter.com/profserayoung)

MAJOR PROFESSIONAL INTERESTS

I am an applied nutritional anthropologist who explores how vulnerable populations, especially women and children, adapt to challenges to their health and well-being. *Keywords:* Nutritional anthropology; medical anthropology; global health; international nutrition; maternal and child nutrition; water insecurity; pica; food insecurity; HIV; infant and young child feeding.

EDUCATION

Cornell University :: Ithaca, NY — 2003-2008

PhD in Nutritional Anthropology. Division of Nutritional Sciences. Chair: Gretel Peltó.

University of Amsterdam :: Amsterdam, the Netherlands — 2001-2002

MA in Medical Anthropology. Highest Honors. Advisor: Sjaak van der Geest.

Taasisi Institute of Kiswahili and Foreign Languages :: Zanzibar, Tanzania — 2000

Introduction, Intermediate, and Advanced Swahili Courses.

University of Michigan :: Ann Arbor, MI — 1995-1999

BA in Anthropology. High Honors. Secondary Level Teaching Certificate.

Katholieke Universiteit of Leuven :: Leuven, Belgium — 1996-1997

Junior Year Abroad Program through the University of Pennsylvania.

United World College of the Atlantic :: Wales, UK — 1993-1995

International Baccalaureate.

AWARDS, HONORS, & RECOGNITIONS

Public Health Champion :: National Institute of Public Health, Mexico— 2025. The inaugural recipient, given by the Director, recognizing leadership, commitment, and humanitarian contributions to health in the Americas and beyond.

Researcher to Know :: Illinois Science and Technology Coalition—2025. One of 12 faculty from Illinois universities and research institutions whose work is driving discovery, solving real-world problems, and creating inclusive opportunities for innovation.

Nevin Scrimshaw Mid-Career Award in Global Nutrition :: American Society for Nutrition — 2024. For a mid-career professional who has done innovative work to advance the field of global nutrition.

Lifetime Fellow, Clare Hall :: University of Cambridge — 2024-

Leverhulme Visiting Professor :: Leverhulme Foundation — 2023-2024. “Water insecurity: bringing a human voice to a global crisis” at London School of Hygiene and Tropical Medicine.

Norman Kretchmer Memorial Award in Nutrition and Development :: American Society for Nutrition — 2022. In recognition of a substantial body of independent research in the field of nutrition and development with potential relevance to improving child health.

Andrew Carnegie Fellow :: Carnegie Corporation — 2019-2022

Society for Applied Anthropology :: Fellow — 2018-present

Margaret Mead Award :: American Anthropological Association and the Society for Applied Anthropology — 2013. In recognition of exemplary skills in broadening the impact of anthropology.

Allan Rosenfield Scholar & New Investigator in Global Health :: Global Health Council — 2009. For outstanding research on reproductive and family health.

National Institutes of Health :: (NIAID) T32 Reproductive Infectious Diseases Fellow, University of California, San Francisco 2010-2011

Distinguished Poster :: International Congress of Nutrition — 2009. For the poster “Flash-heating breastmilk is feasible in Dar es Salaam Tanzania”.

Wenner Gren Foundation :: Hunt Postdoctoral Fellowship — 2009

Dissertation Award :: Society for Medical Anthropology — 2009. In recognition of the outstanding dissertation in the field of medical anthropology.

Sugar Award :: One Laptop Per Child — 2007. For the development of the best educational children’s software.

National Institutes of Health (NICHD) Training Grant Trainee :: Cornell University— 2005-2007.

Fulbright Scholarship :: Tanzania (Declined, duplicate funding) 2004-2005.

National Science Foundation Graduate Fellowship :: Honorable Mention — 2004

Rudolf Virchow Award :: Honorable Mention : American Anthropological Association — 2003. Presented by the Society for Medical Anthropology for advancing critical perspectives in medical anthropology.

Christine Wilson Award :: American Anthropological Association — 2002. Presented by the Council on Nutritional Anthropology.

Division of Nutritional Sciences Small Grant :: Cornell University — 2004, 2005, 2007

Mario Einaudi International Research Travel Grant :: Cornell University — 2004, 2005

Sigma Xi Research Grant :: Cornell University — 2004

Rotary Cultural Ambassador Scholarship :: Zanzibar, Tanzania, Taasisi Institute of Swahili — 2000

Student-Intern Teacher of the Year Honorable Mention :: State of Michigan — 1999. For the demonstration of outstanding potential as an educator.

EMPLOYMENT & APPOINTMENTS

Northwestern University, Evanston, IL :: Anthropology & Global Health, Full Professor— September 2024-present; Associate Professor— September 2019— August 2024; Assistant Professor — August 2016-August 2019. *Affiliations:* Institute for Policy Research Faculty Fellow; Global Health Studies; Center for Synthetic Biology; Buffett Institute for Global Studies; Northwestern Center for Water Research; Buehler Center for Health Policy and Economics; Northwestern International Institute for Nanotechnology; Program in African Studies; Third Coast Center for AIDS.

PLOS Water :: Co-Editor-in-Chief, 2025-2029.

United Nations University, Institute for Water, Environment, and Health :: Lead of Water, Nutrition and Health Equity; 2025-present.

University of Cambridge, England :: Visiting Fellow, Clare Hall. 2023-2024.

London School of Hygiene and Tropical Medicine, England :: Leverhulme Visiting Professor, Department of Nutrition. 2023-2024.

Center for Strategic & International Studies :: Senior Associate (Non-resident), Global Food and Water Security Program. 2023-2025.

The Field Museum of Natural History, Chicago, IL :: Adjunct Curator — October 2016-present.

Cornell University, Ithaca, NY :: Department of Population Medicine and Diagnostics, Assistant Professor of Global Health and Nutrition— August 2015-July 2016; Adjunct Assistant Professor of Global Health and Nutrition— August 2016-December 2019.

Cornell University, Ithaca, NY :: Division of Nutritional Sciences, Research Scientist — July 2011-July 2015.

University of California, San Francisco :: Department of Obstetrics, Gynecology, and Reproductive Sciences, Reproductive Infectious Diseases Fellow — 2010-2011.

University of California, Davis, CA :: Department of Pediatrics, Assistant Researcher — 2008-2011.

University of California, Berkeley, CA :: School of Public Health, Assistant Researcher — 2008.

CURRENT RESEARCH SUPPORT

Environmental Protection Agency:: “Piloting Accessible At-Home Tests for Detecting Lead in Drinking Water in Chicagoland” — PI, 2024-2026 (\$500,000)

Buffett Institute for Global Affairs: Global Collaboration Grant — PI, 2025 (\$10,000)

Reckitt Global Health Institute:: “Development of a Hygiene Experiences Scale: Scale development, implementation, refinement and dissemination” — PI, 2024-2025 (\$218,839)

National Institute of Mental Health:: 1R56MH134671 “Identifying the mechanisms of water insecurity on HIV treatment outcomes” — co-PI, 2024-2025 (\$722,368)

National Institute of Child Health and Disease:: R03HD113976: “Quantifying the compounding vulnerabilities of water and food insecurity on child and adolescent health in the US”— co-PI, 2024-2026 (\$175,303)

Hilton Foundation:: “A novel tool for comparably measuring experiences with water, sanitation, and hygiene health care facilities” — PI 2024-2026 (\$100,000)

National Science Foundation:: “The design, development, and societal impact of rapid, in-home, water quality biosensors” — Co-PI, 2023-2028 (\$2,931,500)

National Institute of Mental Health:: R03MH133200: “Understanding the Synergistic Roles of Water and Food Insecurity in the health of Mexican Adults”— PI, 2023-2025 (\$160,000)

COMPLETED RESEARCH SUPPORT

Leverhulme Trust :: Visiting Professor, London School Hygiene and Tropical Medicine — PI, 2023-2024 (\$110,000)

Buffett Institute for Global Affairs:: Buffett Global Working Group: “Making Water Insecurity Visible” — PI, 2023-2025 (\$300,000)

National Science Foundation (NSF) Convergence RAISE :: “Systems Approaches for Vulnerability Evaluation and Urban Resilience” — Co-PI, 2018-2023 (\$1,050,500)

Northwestern University :: Provost COVID-19 Research Recovery Grant. PI, 2023 (\$25,000)

Swiss Water and Sanitation Consortium :: “Developing a Tool to Measure Experiences of WASH Services in Institutions” — PI, 2022-2023 (\$50,000)

Northwestern University :: Provost Grants for Research in Humanities, Social Sciences and the Arts. 2022-2023 (\$5000)

Institute for Policy Research :: Seed Grant, Using experiential food and water insecurity data for improved science and policy in Latin America and the Caribbean, IPR Seed Grant (off-cycle), 2023 (\$10,000)

National Science Foundation (NSF) :: RCN: Building a Community of Practice for Household Water Insecurity (HWISE) Research — Wendy Jepson (PI), Sera Young (co-PI), Amber Wutich (co-PI), & Justin Stoler (co-PI). 2018-2023 (\$355,000)

Institute for Policy Research :: Seed Grant:: “Understanding the accuracy and usability of at-home fluoride testing in Nakuru County, Kenya” 2022 (\$5,000)

Carnegie Corporation :: “A New Way to Think About Water: Household Water Insecurity” — Sera Young (PI) 2019-2022 (\$200,000)

Crown Family Center for Jewish and Israel Studies (Northwestern University) :: “A field-ready tool to assess the health consequences of water insecurity in the West Bank” — Sera Young (PI) & Yaakov Garb (co-PI). 2019-2021 (\$12,000)

United State Agency for International Development Cooperative Agreement (AID-OAA-L-14-00006 via Kansas Sustainable Intensification Innovation Lab) :: How does household water insecurity relate to household water quality, food security, and COVID-infections?: Health, agriculture, and policy implications using nationally representative data — Lori Post (PI), Sera Young (co-PI). 2020-2021 (\$294,597)

The Nature Conservancy :: Monitoring human well-being after natural infrastructure installation: A NatureNet Fellowship — Sera Young (PI), Vidya Venkataramanan (Fellow). 2019-2021 (\$22,100)

United State Agency for International Development Cooperative Agreement (AID-OAA-L-14-00006 via Rutgers University Policy Research Consortium) :: “A novel indicator of household water insecurity and household food insecurity in East Africa: health, agriculture, and policy implications” — Lori Post (PI), Sera Young (co-PI) (\$200,000)

Crown Family Center for Jewish and Israel Studies (Northwestern University) :: “Simple tools to measure water insecurity in Israel: A collaboration across the social, physical, and biological sciences” — Sera Young (PI), Julius Lucks (co-PI), & Noam Weisbrod (co-PI). 2018-2020 (\$29,000)

Resnick Family Social Impact Fund (Northwestern University Institute for Sustainability & Energy) :: To support the Household Water Insecurity Experiences study and an urban flooding project in Chicago — Sera Young (PI). 2017-2020 (\$25,000)

Innovative Metrics in Nutrition and Agriculture (IMMANA) :: “A novel tool for the assessment of household-level water insecurity: scale refinement, validation, and manual development” — Sera Young (PI), Phelgona Otieno (co-I) & Amber Wutich (co-I). 2016-2018 (\$359,625)

Finite Earth:: Incorporating social science data and metrics into life cycle assessment :: — Jennifer Dunn (PI), Sera Young (co-PI). 2019-2021 (\$45,000)

McKnight Foundation :: “Singida Nutrition and Agroecology Project (SNAP)” — Rachel Bezner Kerr (PI), Sera Young (co-PI), & Elias Mtinda (co-PI). 2015-2019 (\$674,800); <http://bit.ly/farm4change>

National Institute of Mental Health (NIMH) :: R21 “Health Consequences of Water Insecurity for HIV+ Women & Their Infants” — Sera Young (PI) & Maricianah Onono (co-I). 2016-2018 (\$337,214)

Water Collaboration Seed Funds :: To pursue measurement of household water insecurity in Israel and Taiwan — Sera Young (PI) & Noam Weisbrod (co-PI). 2017-2018 (\$25,000)

Crown Family Middle East Research Travel Award :: Water Insecurity among Syrian refugees in Lebanon — Sera Young (PI). 2017-2018 (\$15,000)

National Institutes of Health (NIMH) :: K01 Health Consequences of Food & Nutrition Insecurity for HIV+ Women & Their Infants — Sera Young (PI). 2012-2018 (\$853,970)

Northwestern Institute for Policy Research (IPR) :: Support for workshop entitled “Household Water Insecurity: Measurement, Consequences, and Policy Implications” — Sera Young (PI). 2016-2017 (\$20,000)

Center for Water Research Conference Award :: To support the Household Water Insecurity Scale Development Workshop — Sera Young (PI). 2017 (\$5,000)

Buffett Conference Award :: To support the Household Water Insecurity Scale Development Workshop — Sera Young (PI). 2017 (\$4,000)

Northwestern Third Coast Center for AIDS Research (CFAR) :: “Coalition building between Northwestern University, Pamoja Community-Based Organization, and Kenya Medical Research Institute/Research Care and

Training Program-Family AIDS Care and Educational Services”— Sera Young (PI), Patrick Mbullo (co-I), & Pauline Wekesa (co-I). 2016-2017 (\$5,000)

Atkinson Center for Sustainable Future Venture Fund :: A novel assay for simultaneous multiplex detection of diarrhea-causing viruses, bacteria, and protozoa in drinking water and deployment in Kenyan and Honduran households — Ruth Richardson (PI) & **Sera Young** (co-PI). 2015-2017 (\$132,558)

CARE/Atkinson Center for Sustainable Future Impact through Innovation Fund :: A pilot study of the effects of performance-based incentives on the provision of PMTCT services in Inhassoro District, Inhambane Province, Mozambique — Sera Young (PI) & Delphine Pinault (co-I). 2012-2014 (\$200,000)

Atkinson Center for Sustainable Future Venture Fund :: Healthy Soil + Fertile Land + Food Security — Rachel Bezner Kerr (PI), **Sera Young** (co-I), David Wolfe (co-I), & Laurie Drinkwater (co-I). 2014-2016 (\$143,344)

Seed Grants for Collaborations Between Cornell University-Ithaca and Weill Cornell Medical College Faculty :: Food insecurity as a novel diagnostic screening tool for poor nutritional and psychosocial outcomes among HIV-infected and -uninfected lactating Ugandan women and their infants — **Sera Young** (PI) & Nicole Sirotin (co-PI). 2013-2014 (\$50,000)

Cornell Population Center :: “Development of appropriate methodologies for estimating dietary intake among nutritionally vulnerable women and infants in rural and peri-urban Kenya” — Sera Young (PI). 2013-2014 (\$2,500)

Pears Seed Grant Program, Faculty of Medicine, Hebrew University :: Food Insecurity and Nutritional status of patients Infected with Tuberculosis and Human Immunodeficiency Virus in Gulu, Northern Uganda — Rachel Bezner Kerr (PI) & Sera Young (co-I). 2013-2014 (\$5,500)

National Institutes of Health (NICHD) :: P01 Novel Strategies to Prevent Malaria and Improve HIV Outcomes in Africa — 2011-2013 (sub-contract PI, \$63,700)

Campbell Foundation :: Clinical study of Flash heating breastmilk to decrease morbidity, improve growth, and reduce HIV transmission in HIV-exposed infants — Caroline Chantry (PI) & Sera Young (co-PI). 2010-2011 (\$50,000)

National Institutes of Health (NICHD) :: R34 Planning grant to fund the preparation of a large multi-disciplinary study of Flash-heating of breastmilk by HIV+ women to prevent mother-to-child transmission of HIV — Caroline Chantry (PI) & Sera Young (Co-I). 2010-2011 (\$63,700)

Thrasher Research Fund :: Early Career Award — **Sera Young** (PI). 2009-2010 (\$26,000)

American Psychological Association :: HIV Cybermentor Travel and Research Award — 2009-2011

Population Center Research Award :: UC Berkeley — **Sera Young** (co-PI). 2009

Robert Wood Johnson Foundation :: Health Disparities Small Grant — Sera Young (co-PI). 2008 (\$10,000)

University of California Institute for Mexico and the United States (UC MEXUS) :: Pilot grant — Lia Fernald (PI) & Sera Young (co-PI). 2008 (\$1,500)

University of California, Berkeley :: Professional Development Grant — 2008

PUBLICATIONS

PEER-REVIEWED ARTICLES (**Graduate/medical student advisee, *Undergraduate advisee, ^Post-doctoral advisee, #Special recognition)

190. Rosinger, Asher Y., and **Sera L. Young**. 2026. “The Intersection of Tap Water Avoidance, Food Insecurity, and Sugar-Sweetened Beverage Intake among U.S. Children and Adolescents Aged 2-17 Years.” *American Journal of Preventive Medicine* 70 (1): 108104. <https://doi.org/10.1016/j.amepre.2025.108104>

189. Bentley, Margaret, Miriam Chaiken, Darna Dufour, Edward A. Frongillo, and **Sera Young**. 2025. "In Memoriam: Dr. Gretel H. Pelto, Matriarch of Applied Nutritional and Medical Anthropology." *American Journal of Human Biology: The Official Journal of the Human Biology Council* 37 (10): e70160.
188. Gaitán-Rossi, Pablo, Lucía Félix-Beltrán, Ximena García-Ruiz, and **Sera L. Young**. 2025. "Implementation Lessons of a Water Insecurity Intervention during a Drought in Mexico." *Annals of Global Health* 91 (1): 52. <https://doi.org/10.5334/aogh.4758>
187. **Young, SL**, Joshua D. Miller, Bose I[^], Shalean Collins, Sarah Danaj, Boris Kazakov, Ben Pauli, et al. 2025. "The Water Insecurity Experiences (WISE) Scales Are Suitable for Use in High-Income Settings: Findings from Cognitive Interviews and Nationally Representative Surveys." *International Journal for Equity in Health* 24 (1): 338. <https://doi.org/10.1186/s12939-025-02686-x>
186. Bethancourt H[^], Bose I[^], Tupou L, Meinhart M, Frongillo EA, Greaves A, and **Young SL**. 2025. "Mental Distress and Resource Insecurity in the Kingdom of Tonga Following the 2022 Volcanic Eruption: Associations of Water and Food Insecurity with Mental Distress." *Journal of the Academy of Nutrition and Dietetics*, August. <https://www.sciencedirect.com/science/article/pii/S2212267225005416>
185. Miller J^{**}, Vonk J, Brogan J, Barstow C, Miller S, Staddon C, Durham T, Sam-Kpakra R, Bhatta M, Baral P, Bhatta D, Kunwar B, **Young SL**. 2025. "The Utility of Experiential Water Insecurity Measures for Monitoring and Evaluating WASH Programs: Case Studies from Nepal and Sierra Leone." *PLOS Water* 4 (7): e0000395. <https://doi.org/10.1371/journal.pwat.0000395>
183. Crowther J, Palu A, Dunning A, Weatherall L, Spencer W, Gala D, Maganja D, Kissock K, Trieu K, **Young SL**, McCausland R, Leslie G, Webster J. 2025. "Global Drinking Water Standards Lack Clear Health-Based Limits for Sodium." *Nutrients* 17 (13): 2190. <https://doi.org/10.3390/nu17132190>
182. Bose I[^], Miller J^{**}, Bethancourt H[^], García OP, Melgar-Quinonez H, Salles-Costa R, DelGrossi M, Miller S, Durham T, Shamah-Levy T, Gaitán-Rossi P, **Young SL**, Frongillo EA. 2025. "Investigating the Suitability of Dichotomous Responses for the Water Insecurity Experiences (WISE) Scales Using Nationally Representative Data from 39 Countries." *PLOS Water* 4 (5): e0000338. <https://doi.org/10.1371/journal.pwat.0000338>
181. Larson LM, Mwangi M, Harding R, Moya E, Ataíde R, Mzembe G, Thurber A, **Young SL**, et al. 2025. "Effects of Ferric Carboxymaltose on Pica among Pregnant Women in Malawi: A Substudy to a Randomized Controlled Trial." *The Journal of Nutrition* 155 (7): 2398–2405. <https://doi.org/10.1016/j.tjnut.2025.05.010>
180. Brewis A, Jepson W, Rosinger A, Stoler S, Workman C, Wutich A, and **Young S**. 2025. "Interacting Water Insecurity and Food Insecurity: Recent Advances in Theory and Application." *American Journal of Human Biology*. 37 (5): e70052. <https://doi.org/10.1002/ajhb.23309>
179. Mundo-Rosas, V., Shamah-Levy T, Muñoz-Espinosa A, Hernández-Palafox C, Vizuet-Vega N, Torres-Valencia M, Figueroa-Oropeza JL, **Young SL** et al. 2024. "Inseguridad alimentaria y del agua." *Salud Publica de Mexico* 66 (4): 581–88. <https://doi.org/10.21149/15853>
178. Butler M^{**}, **Young SL**, Keenan-Devlin L. 2025. "Applying Authoritative Knowledge to Better Understand Preparation for Breastfeeding." *Frontiers in Global Women's Health* 6 (March): 1540376. <https://doi.org/10.3389/fgwh.2025.1540376>
177. O'Brien C^{**}, Venkataramanan V[^], Ruen CT, McCotter E*, Mittu *, Singh R*, Hernandez Gonzalez L, Packman A, Miller W, and **Young SL**. 2025. "'They Say the Water Is Perfectly Safe But...': A Mixed-methods Participatory Study of Factors Influencing Trust in Tap Water Safety in a Great Lakes City." *Community Science* 4 (1): e2024CSJ000090. <https://doi.org/10.1029/2024CSJ000090>

176. Salles-Costa R, de Souza Cherol C, de Araújo Palmeira P, Segall-Corrêa A, **Young SL**, et al. 2025. "Food Insecurity and Water Insecurity Measurement in Brazil: Sustainable Development Goals Monitoring through Experiential Scales." *Cadernos de Saúde Pública* 41 (February): e00153524. <https://doi.org/10.1590/0102-311XEN153524>
175. Weatherall, L, Alinta T, Tonkin T, Santos JA, Patay D, McCausland R, Wendy Spencer, ... **Young SL**, Rosewarne E, Webster J. 2025. "Measuring Food and Water Security in an Aboriginal Community in Regional Australia". *The Australian Journal of Rural Health* 33 (1): e13214. <https://doi.org/10.1111/ajr.13214>
174. Marphatia, A., S. Simiyu, Flint O'Kane M, Alexander KT, Argolo Nascimento de Castro AC, Azcona G, Boni-Morkla PE, **Young SL**, Ross I, Cumming O. 2025. "Gender Equality and Quality of Life Must Be Central to the Design and Delivery of Sanitation." *BMJ Global Health* 10 (1). <https://doi.org/10.1136/bmjgh-2024-018238>
173. Shamah-Levy, T., I. Méndez-Gómez-Humarán I, Mundo-Rosas V, Muñoz-Espinosa A, Melgar-Quinonez H, and **Young SL**. 2025. "Household Water Security Is a Mediator of Household Food Security in a Nationally Representative Sample of Mexico." *Public Health Nutrition* 28 (1): e30. <https://doi.org/10.1017/S1368980024002684>
172. Bose I[^], Bethancourt HJ[^], Shamah-Levy T, Mundo-Rosas V, Muñoz-Espinosa A, Ginsberg T*, Kadiyala S, Frongillo EA, Gaitán-Rossi P, and **Young SL**. 2025. "Mental Health, Water, and Food: Relationships between Water and Food Insecurity and Probable Depression amongst Adults in Mexico". *Journal of Affective Disorders*, October. <https://doi.org/10.1016/j.jad.2024.10.116>
171. Frongillo EA, Bethancourt HJ[^], Miller JM^{**}, **Young SL**, and the Household Water Insecurity Experiences Scales (HWISE)-Research Coordination Network (RCN). 2024. "Identifying Ordinal Categories for the Water Insecurity Experiences Scales." *Journal of Water, Sanitation, and Hygiene for Development: A Journal of the International Water Association*. <https://doi.org/10.2166/washdev.2024.042>
170. Kisliuk N, LaPointe S, **Young SL**, Prencipe L, Luchemba P, Lukongo ML, and Palermo T. 2024. "Water Insecurity Is Associated with Intimate Partner Violence among Female Adolescents and Youth but Not Males in Rural Tanzania: A Cross-Sectional Study." *Global Public Health* 19 (1): 2409369. <https://doi.org/10.1080/17441692.2024.2409369>
169. Rosinger A, and **Young SL**. 2024. "Trends and Disparities in Concurrent Tap Water Avoidance and Household Food Insecurity among US Children." *Nature Water* 2 (7): 638–48. <https://doi.org/10.1038/s44221-024-00261-2>
168. Collins SM^{**}, Mock NB, Chaparro PM, Rose D, Watkins B, Wutich A, and **Young SL**. 2024. "Toward a More Systematic Understanding of Water Insecurity Coping Strategies: Insights from 11 Global Sites." *BMJ Global Health* 9 (5): e013754. <https://doi.org/10.1136/bmjgh-2023-013754>
167. Mundo-Rosas V, Shamah-Levy T, Muñoz-Espinosa A, Hernández-Palafox Corin, Vizuet-Vega NI, Torres-Valencia MA, Figueroa-Oropeza JL, Rodríguez-Atristain A, Bautista-Arredondo S, Téllez-Rojo MM, **Young SL**, Melgar-Quinonez H, et al. 2024. Inseguridad Alimentaria y Del Agua. *Salud Publica de Mexico* 66 (4, jul-ago): 581–88. <https://doi.org/10.21149/15853>
166. Miller JD^{**}, Staddon S, Salzberg A, Lucks JB, Bruine de Bruin W, and **Young SL**. 2024. Self-Reported Anticipated Harm from Drinking Water across 141 Countries. *Nature Communications* 15 (1): 7320. <https://doi.org/10.1038/s41467-024-51528-x>
165. Weinstock R, **Young SL**, Knaus A, Messing J^{**}, Bly V, and Lucks JB. 2024. "When It Comes to Lead in Water, New Biosensing Technology Can Reveal What the Eyes Cannot See and What the Rules Do Not yet Stop." *AQUA—Water Infrastructure, Ecosystems and Society* 73 (6): 1205–10. <https://doi.org/10.2166/aqua.2024.019>
164. Rangel Bousquet Carrilho T, Dongqing W, Hutcheon J, Wang M, Fawzi G, Kac G, and the GWG Pooling Project Consortium. (Consortium co-author) 2024. "The Impact of Excluding Adverse Neonatal Outcomes on the Creation of Gestational Weight Gain Charts among Women from Low- and Middle-Income Countries with

Normal and Overweight BMI." The American Journal of Clinical Nutrition 119 (6): 1465–74. <https://doi.org/10.1016/j.ajcnut.2024.03.016>

163. Owuor PM**, Miller JD**, Kanugula S*, Yeam J*, Collins S**, Obure V, Arunga T, **Young SL** 2024. "The Influence of an Agricultural Intervention on Social Capital and Water Insecurity Coping Strategies: Qualitative Evidence from Female Smallholder Farmers Living with HIV in Western Kenya." Heliyon 10 (11): e32058. <https://doi.org/10.1016/j.heliyon.2024.e32058>

162. Miller, J**, **Young SL**, Bryan E, Ringler C. 2024. Water Insecurity Is Associated with Greater Food Insecurity and Lower Dietary Diversity: Panel Data from Sub-Saharan Africa during the COVID-19 Pandemic. Food Security, 16, 149-160. <https://doi.org/10.1007/s12571-023-01412-1>.

161. Kwon D, Knorr D, Wiley S, **Young S**, Fox M. 2023. "Association of Pica with Cortisol and Inflammation among Latina Pregnant Women." American Journal of Human Biology. December, e24025. <https://doi.org.turing.library.northwestern.edu/10.1002/ajhb.24025> #Cover article

160. Owuor PM**, Awuor DR, Ngave, EM, **Young SL**. (2023) "The people here knew how I used to live, but now I have to start again:" Lived experiences and expectations of the displaced and non-displaced women affected by the Thwake Multipurpose Dam construction in Makueni County, Kenya. Social Science & Medicine. <https://doi.org/10.1016/j.socscimed.2023.116342>

159. Rosen F,* Settler L,* Irvine F,* Koselka E,** Miller J,** **Young SL**. (2023) Associations between food insecurity and child and parental physical, nutritional, psychosocial, and economic well-being globally during the first 1000 days: A scoping review. Maternal and Child Nutrition. <https://doi.org/10.1111/mcn.13574>

158. Santoso, M. V.^, Petrie, H. C.*, Kerr, R. B., Lane, C., Kassim, N., Martin, H., Mtinda, E., Lupafya, E., & **Young, S.** (2023). A Mixed Methods Exploration of the Role of Participation in a Nutrition-Sensitive Agroecology Intervention in Rural Tanzania. Current Developments in Nutrition, 7(6), 100098. <https://doi.org/10.1016/j.cdnut.2023.100098>

157. Melgar-Quinonez, H., Gaitán-Rossi, P., Pérez-Escamilla, R., Shamah-Levy, T., Teruel-Belismelis, G., **Young, S. L.**, the Water Insecurity Experiences-Latin America, the Caribbean (WISE-LAC) Network (2023). A declaration on the value of experiential measures of food and water insecurity to improve science and policies in Latin America and the Caribbean. International Journal for Equity in Health, 22(1), 184. <https://doi.org/10.1186/s12939-023-01956-w>

Selected as Editor's Choice, see accompanying blog: <https://communities.springernature.com/posts/the-importance-of-measuring-experiences-of-water-insecurity>

156. Perumal, N., Wang, Darling, A. M., Liu, E., Wang, M., Ahmed, T., Christian, P., Dewey, K. G., Kac, G., Kennedy, S. H., Subramoney, V., Briggs, B., & Fawzi, W. W. Gestational Weight Gain Pooling Project Consortium (2023). (Consortium co-author) Suboptimal gestational weight gain and neonatal outcomes in low and middle income countries: Individual participant data meta-analysis. BMJ, 382, e072249. <https://doi.org/10.1136/bmj-2022-072249>

155. Darling, A. M., Wang, D., Perumal, N., Liu, E., Wang, M., Ahmed, T., Christian, P., Dewey, K. G., Kac, G., Kennedy, S. H., Subramoney, V., Briggs, B., Fawzi, Gestational Weight Gain Pooling Project Consortium (2023). (Consortium co-author) Risk factors for inadequate and excessive gestational weight gain in 25 low- and middle-income countries: An individual-level participant meta-analysis. PLOS Medicine, 20(7), e1004236. <https://doi.org/10.1371/journal.pmed.1004236>

154. Connors K, Jaacks L, Awasthi A, Becker K, Bezner Kerr R, Fivian E, Gelli A, Harris-Fry H, Heckert J, Kadiyala S, Martinez E, Santoso M^, **Young SL**, Bliznashka L. (2023) Women's Empowerment, Production Choices, and Crop Diversity: a secondary analysis of cross-sectional data from four low- and middle-income countries. (2023). Lancet Planetary Health. [https://doi.org/10.1016/S2542-5196\(23\)00125-0](https://doi.org/10.1016/S2542-5196(23)00125-0)

Selected by Nature Food as a Research Highlight. <https://www.nature.com/articles/s43016-023-00831-9>

153. Shah, S. H., Harris, L. M., Menghwani, V., Stoler, J., Brewis, A., Miller, J. D., Workman, C. L., Adams, E. A., Pearson, A. L., Hagaman, A., Wutich, A., & **Young, S. L.** (2023). Variations in household water affordability and

- water insecurity: An intersectional perspective from 18 low- and middle-income countries. *Environment and Planning F*, 2(3), 369–398. <https://doi.org/10.1177/26349825231156900>
152. Thavarajah W, Mbullo PM**, Awuor DR, Kiprotich K, Aggarwal R*, Lucks JB, **Young SL**. (2023) “The accuracy and usability of point-of-use fluoride biosensors in rural Kenya. *npj Clean Water*. 6:5; <https://doi.org/10.1038/s41545-023-00221-5>
151. **Young SL**, Bethancourt HJ^, Frongillo EA, Viviani S, Cafiero C. (2023) Concurrence of water and food insecurities, 25 low- and middle-income countries. *Bulletin WHO*. <http://dx.doi.org/10.2471/BLT.22.288771>
150. **Young SL**, Bethancourt HJ^, Ritter ZR, Frongillo EA. (2022) Estimating national, demographic, and socioeconomic disparities in water insecurity experiences in low- and middle-income countries in 2020–2021: a cross-sectional, observational study, using nationally representative data. *Lancet Planetary Health*. [https://doi.org/10.1016/S2542-5196\(22\)00241-8](https://doi.org/10.1016/S2542-5196(22)00241-8)
149. Rickman R, **Young SL**, Lane C, Collins SM**, Miller JD**, Nichols A, Foster S, Widen E. (2023) Body composition trajectories during the first 23 months of life differ by HIV exposure among infants in western Kenya: a prospective study. *J Nutrition*. <https://doi.org/10.1016/j.tjnut.2022.11.010>
148. Ford L, Bethancourt HJ, Swanson Z, Nzunza R, Wutich A, Brewis A, **Young SL**, Almeida D, Douglass M, Ndiema E, Braun D, Pontzer H, Rosinger A. Water insecurity, water borrowing and psychosocial stress among Daasanach pastoralists in northern Kenya. *Water International*. <https://doi.org/10.1080/02508060.2022.2138050>
147. Bethancourt HJ^, Frongillo EA, **Young SL**. (2022) Validity of an abbreviated Individual Water Insecurity Experiences (IWISSE-4) Scale for measuring the prevalence of water insecurity in low- and middle-income countries. *J Wat San Hyg Devp*. <https://doi.org/10.2166/washdev.2022.094>
146. Mao F, Miller JD**, **Young SL**, Krause S, Hannah DM, HWISE-RCN. (2022) Inequality of household water security follows a Development Kuznets Curve. *Nature Commun*. 2022 Aug 8;13(1):4525. <https://doi.org/10.1038/s41467-022-31867-3>
145. Rosinger AY, Bethancourt HJ^, **Young SL**. (2022) Tap Water Avoidance Is Associated with Lower Food Security in the United States: Evidence from NHANES 2005–2018. *Journal of the Academy of Nutrition and Dietetics*. 2022. <https://doi.org/10.1016/j.jand.2022.07.011>
144. Bethancourt HJ^, Swanson ZS, Nzunza R, **Young SL**, Lomeiku L, Douglass MJ, et al. (2022) The co-occurrence of water insecurity and food insecurity among Daasanach pastoralists in northern Kenya. *Public Health Nutrition*. 2022 Aug 9;1–11. <https://doi.org/10.1017/S1368980022001689>
143. Miller JD**, Collins SM**, Boateng GO,^ Widen EM,^ Natamba B, ** Achoko W, Acidri D, **Young SL**, Martin SL. (2022) Pathways linking social support, self-efficacy, and exclusive breastfeeding among women in northern Uganda. *Global Public Health*. 2022 Aug 12;1–13. <https://doi.org/10.1080/17441692.2022.2110918>
142. Wutich, A, Rosinger AY, Brewis A, Beresford M, **Young SL**, Household Water Insecurity Experiences-Research Coordination Network. (2022) Water sharing is a distressing form of reciprocity: Shame, upset, anger, and conflict over water in 20 cross-cultural sites. *American Anthropologist*. <https://anthrosource.onlinelibrary.wiley.com/doi/epdf/10.1111/aman.13682>
141. Oehmke JF, **Young SL**, Heinemann AW, Rukuni M, Lyambabaje A, Post LA. (2022) A novel measure of developing countries’ agricultural and food policy readiness. *World Development*. Oct;158:105920. <https://doi.org/10.1016/j.worlddev.2022.105920>
140. **Young SL**, Bethancourt HJ^, Ritter Z, Frongillo EA. (2021) The Individual Water Insecurity Experiences (IWISSE) Scale: Reliability, equivalence, and validity of an individual-level measure of water security. *BMJ Global Health* 2021;6:e006460. <http://dx.doi.org/10.1136/bmjgh-2021-006460>
139. Rosinger AY, Bethacourt HJ^, **Young SL**, Schultz AF. (2021) The embodiment of water insecurity: Injuries and chronic stress in lowland Bolivia. *Social Science & Medicine*. Dec 291: 114490 <https://doi.org/10.1016/j.socscimed.2021.114490>

138. Bamana G., Miller JM**, **Young SL**, Dunn, J. (2021) Addressing the social life cycle inventory analysis data gap: Insights from a case study of cobalt mining in the Democratic Republic of the Congo. Dec One Earth. <https://doi.org/10.1016/j.oneear.2021.11.007>
137. Stoler, J. et al., (consortium co-author). (2021) The Household Water Insecurity Experiences (HWISE) Scale: Comparison Scores from 27 Sites in 22 Countries. Journal of Water, Sanitation and Hygiene for Development. 11(6): 1102–1110. <https://doi.org/10.2166/washdev.2021.108>
136. Nagata JM, Miller JD**, Cohen CR, Frongillo EA, Weke E, Burger R, Wekesa P, Sheira LA, Mocello AR, Otieno P, Butler LM, Bukusi EA, Weiser SD, **Young SL**. (2021) Water insecurity is associated with lack of viral suppression and greater odds of AIDS-defining illnesses among adults with HIV in western Kenya. AIDS and Behavior. <https://doi.org/10.1007/s10461-021-03410-w>
135. **Young SL**. (2021) Viewpoint: The measurement of water access and use is key for more effective food and nutrition policy. Food Policy. Oct 1;104:102138 <https://doi.org/10.1016/j.foodpol.2021.102138>
134. Miller JD, Workman CL, Panchang SV, Sneegas G, Adams EA, **Young SL**, Thompson, A. (2021) Water Security and Nutrition: Current Knowledge and Research Opportunities. Adv Nutr. 12(6): 2525–2539 <http://academic.oup.com/advances/advance-article/doi/10.1093/advances/nmab075/6322255>
133. Santoso MV**, Bezner Kerr RN, Kassim N, Martin H, Mtinda E, Njau P, **Young, SL**. (2021) A Nutrition-Sensitive Agroecology Intervention in Rural Tanzania Increases Children’s Dietary Diversity and Household Food Security But Does Not Change Child Anthropometry: Results from a Cluster-Randomized Trial. The Journal of Nutrition July;151(7): 2010–2021. <https://doi.org/10.1093/jn/nxab052>
- # Selected as Editor’s Choice by the journal Science*
132. Cetrone HM*, Santoso MV**, Kerr RB, Petit L, Blacker L*, Nonga T, Martin, HD, Kassim, N, Mtinda, E. **Young SL**. (2021) Food security mediates the decrease in women’s depressive symptoms in a participatory nutrition-sensitive agroecology intervention in rural Tanzania. Public Health Nutrition. Oct: 4682 - 4692. <https://doi.org/10.1017/S1368980021001014>
- # Selected as paper of the month, <https://www.cambridge.org/core/blog/2021/07/09/how-a-nutrition-sensitive-agroecological-intervention-improved-womens-mental-health/>*
131. Samburu BM**, Kimiywe J, **Young SL**, Wekesah FM, Wanjohi MN, Muriuki P, et al. (2021) Realities and challenges of breastfeeding policy in the context of HIV: a qualitative study on community perspectives on facilitators and barriers related to breastfeeding among HIV positive mothers in Baringo County, Kenya. International Breastfeeding Journal. May 8;16(1):39. <https://doi.org/10.1186/s13006-021-00385-1>
130. Guevara Alvarez G**, Miller JD*, Santoso MV^, Wekesa P, Mbullo Owuor P**, Onono M, **Young, S.L**. (2021) Prevalence and Covariates of Food Insecurity Across the First 1000 Days Among Women of Mixed HIV Status in Western Kenya: A Longitudinal Perspective. Food Nutr Bull. May 20;037957212199902. <https://doi.org/10.1177/0379572121999024>
129. Pearson AL, Mack EA, Ross A, Marcantonio R, Zimmer A, Bunting EL, et al. (Consortium co-author) Interpersonal Conflict over Water Is Associated with Household Demographics, Domains of Water Insecurity, and Regional Conflict: Evidence from Nine Sites across Eight Sub-Saharan African Countries. (2021) Water. Jan;13(9):1150. <https://www.mdpi.com/2073-4441/13/9/1150>
128. Miller, J.D.,** Frongillo, E.A., Weke, E., Burger, R., Wekesa, P., Sheira, L., Mocello, R., Bukusi, E., Otieno, P., Cohen, C., Weiser, S., **Young, S.L**. (2021) Household Water and Food Insecurity Are Positively Associated with Poor Mental and Physical Health among Adults Living with HIV in Western Kenya. Journal of Nutrition. <https://doi.org/10.1093/jn/nxab030>
127. Stoler, J., Miller, J.,** Brewis, A., Freeman, M., Harris, L., Jepson, W., Pearson, A. Rosinger, A., Shah, S., Staddon, C., Workman, C., Wutich, A., **Young, S.L**. (2021) Household Water Insecurity Will Complicate the Ongoing COVID-19 Response: Evidence from 29 Sites in 23 Low- and Middle-Income Countries. International Journal of Hygiene and Environmental Health. <https://doi.org/10.1016/j.ijheh.2021.113715>

126. **Young, S.L.**, Frongillo, E.A., Jamaluddine, Z., Melgar-Quinonez, H., Pérez-Escamilla, R., Ringler, C., Rosinger, A. Y. (2021). The importance of water security for ensuring food security, good nutrition, and well-being. *Advances in Nutrition*. <https://doi.org/10.1093/advances/nmab003>
125. **Young, S.L.**, Miller, J.D.,** Frongillo, E.A., Boateng, G.,^ Jamaluddine, Z., Neilands, T., HWISE-RCN. (2021). Validity of a Four-Item Household Water Insecurity Experiences Scale for Assessing Water Issues Related to Health and Well-Being. *American Journal of Tropical Medicine and Hygiene*, <https://doi.org/10.4269/ajtmh.20-0417>
124. Workman, C.L., Brewis, A., Wutich, A. **Young, S.L.**, Stoler, J., Kearns, J. (2021) Understanding Biopsychosocial Health Outcomes of Syndemic Water and Food Insecurity: Applications for Global Health. *Am J Trop Med Hyg*. 104(1) 8-11. <https://doi.org/10.4269/ajtmh.20-0513>
123. Butler MS**, **Young SL**, Tuthill EM. (2021) Perinatal depressive symptoms and breastfeeding behaviors: A systematic literature review and biosocial research agenda. *J Affect Disorders*. 283: 441-471. <https://doi.org/10.1016/j.jad.2020.11.080>
122. Pebsworth PA, Gruber T, Miller JD**, Zuberbuhler K, **Young SL**. (2021) Selecting between iron-rich and clay-rich soils: a geophagy field experiment with black-and-white colobus monkeys in the Budongo Forest Reserve, Uganda. *Primates* 62:133–142 <https://doi.org/10.1007/s10329-020-00845-y>
121. Venkataramanan, V.,^ Geere, J., Thomae, B.,* Stoler, J., Hunter, P., **Young, S.L.**, HWISE-RCN. (2020). In pursuit of ‘safe’ water: the burden of personal injury from water fetching in 21 low-income and middle-income countries. *BMJ Global Health*, <https://gh.bmj.com/content/5/10/e003328>
120. Hannah, D., Lynch, I., Mao, F., Miller, J.,* **Young, S.L.**, & Krause, S. (2020). Water and sanitation for all in a pandemic. *Nature Sustainability*. <https://doi.org/10.1038/s41893-020-0593-7>
119. Staddon, C., Everard, M., Mytton, J., Octavianti, T., Powell, W., Quinn, N., Uddin, S, **Young, S.L.**, Miller, J.,* Budds, J., Geere, J., Meehan, K., Charles, K., Stevenson, E., Vonk, J., & Mizniak, J. (2020). Water insecurity compounds the global coronavirus crisis. *Water International*. <https://doi.org/10.1080/02508060.2020.1769345>
118. Samburu, B.,** **Young, S.L.**, Wekesah, F., Wanjohi, M., Kimiywe, J., Muriuki, P.; Griffiths, P., McGarvey, S.T., Madise, N., Kimani-Murage, E. W. (2020). Effectiveness of the baby-friendly community initiative in promoting exclusive breastfeeding among HIV negative and positive mothers: a randomized controlled trial in Koibatek Sub-County, Baringo, Kenya. *International Breastfeeding Journal*, <https://doi.org/10.1186/s13006-020-00299-4>
117. Tuthill, E.,^ Miller, J.,** Collins, S.**; Widen, E.^; Onono, M., **Young, S.L.** (2020). HIV infection, hunger, breastfeeding self-efficacy, and depressive symptoms are associated with exclusive breastfeeding to six months among women in western Kenya: a longitudinal observational study. *International Breastfeeding Journal*, <https://doi.org/10.1186/s13006-019-0251-8>
116. Meehan, K., Jepson, W., Harris, L., **Young, S.L.** (2020). Exposing the myths of household water insecurity in the global north: A critical review. *WIREs Water*. <https://doi.org/10.1002/wat2.1486>
115. Rosinger, A., Brewis, A., Wutich, A., Jepson, W., Staddon, C., Stoler, J., **Young, S.L.**, & HWISE RCN. (2020). Water borrowing is consistently practiced globally and is associated with water-related system failures across diverse environments. *Global Environmental Change*. <https://doi.org/10.1016/j.gloenvcha.2020.102148>
114. Tuthill, E., Maltby, A., Conteh, J., Sheira, L., Miller, J.,** Onono, M., Weiser, D., & **Young, S.L.** (2020). Persistent food insecurity, but not HIV, is associated with depressive symptoms among perinatal women in Kenya: a longitudinal perspective. *AIDS & Behavior*. <https://doi.org/10.1007/s10461-020-03047-1>
113. Venkataramanan, V.,^ Collins, S.,** Clark, K.,* Yeam, J.,* Nowakowski, V.,* & **Young, S.L.** (2020). Coping strategies for individual and household-level water insecurity: A systematic review. *WIREs Water*. doi: <https://doi.org/10.1002/wat2.1477>
112. Wang, M.,* Miller, J.D.,** Collins, S.M.,** Santoso, M.V.,** Wekesa, P., Okochi, H., Onono, M., Weiser, S., Gandhi, M., **Young, S.L.** (2020) Social Support Mitigates Negative Impact of Food Insecurity on Antiretroviral Adherence Among Postpartum Women in Western Kenya. *Aids & Behavior*. <https://doi.org/10.1007/s10461-020-02839-9>

111. Rosinger, A. & **Young, S.L.** (2020). In-Home Tap Water Consumption Trends Changed Among U.S. Children, but Not Adults, Between 2007 and 2016. *Water Resources Research*. <https://doi.org/10.1029/2020WR027657>
110. Lane, C., Widen, E.,[^] Collins, S.,^{**} & **Young, S.L.** (2020). HIV-exposed, uninfected infants in Uganda experience poorer growth and body composition trajectories than HIV-unexposed infants. *JAIDS*. doi: 10.1097/QAI.0000000000002428
109. Samburu, B.,^{**} **Young, S.L.**, Wekesa, F., Wanjohi, M., Kimiywe, J., Muriuki, P., Griffiths, P., McGarvey, S., Madise, N., & Kimani-Murage, E. (2020). Effectiveness of the baby-friendly community initiative in promoting exclusive breastfeeding among HIV negative and positive mothers: a randomized controlled trial in Koibatek Sub-County, Baringo, Kenya. *International Breastfeeding Journal*. doi: 10.1186/s13006-020-00299-4
108. Rosinger, A. & **Young, S.L.** (2020). The toll of household water insecurity on health and human biology: Current understandings and future directions. *WIREs Water*. doi: 10.1002/wat2.1468
107. Bethancourt, H., Swanson, Z., Nzunza, R., Huanca, T., Conde, E., Kenney, W. L., **Young, S.L.**, Ndiema, E., Braun, D., Pontzer, H., & Rosinger, A. (2020). Hydration in Relation to Water Insecurity, Heat Index, and Lactation Status in Two Small-Scale Populations in Hot-Humid and Hot-Arid Environment. *American Journal of Human Biology*. doi: 10.1002/ajhb.23447
106. Boateng, G.,[^] Workman, C., Miller, J.,^{**} Onono, M., Neilands, T., & **Young, S.L.** (2020). The syndemic effects of food insecurity, water insecurity, and HIV on depressive symptomatology among Kenyan women. *Social Science & Medicine*. doi: 10.1016/j.socscimed.2020.113043
105. Miller, J.,^{**} Vonk, J., Staddon, C., & **Young, S.L.** (2020). Is household water insecurity a link between water governance and well-being? A multi-site analysis. *Journal of Water, Sanitation & Hygiene for Development*. doi: 10.2166/washdev.2020.165
104. Finkelstein, J.L., Herman, H.S., Plenty, A., Mehta, S., Natureeba, P., Clark, T.D., Kamya, M.R., Ruel, T., Charlebois, E.D., Cohan, D., Havlir, D., & **Young, S.L.** (2020). Anemia and Micronutrient Status during Pregnancy, and Their Associations with Obstetric and Infant Outcomes among HIV-Infected Ugandan Women Receiving Antiretroviral Therapy. *Current Developments in Nutrition*. doi: 10.1093/cdn/nzaa075
103. Tesfaye, Y., Maes, K., Abesha, R., **Young, S.L.**, Snyder, J., Gebremariam, A., & Freeman, M. (2020). How do rural Ethiopians rate the severity of water insecurity scale items? Implications for water insecurity measurement and interventions. *Human Organization*. doi: 10.17730/1938-3525.79.2.95
102. Wies, J., Mays, A., Collins, S.,^{**} & **Young, S.L.** (2020). “As long as we have the mine, we’ll have water”: Exploring water insecurity in Appalachia. *Annals of Anthropological Practice*. doi: 10.1111/napa.12134
101. Venkataramanan, V.,[^] Lopez, D.,^{*} McCuskey, D.,^{*} Keifus, D.,^{*} McDonald, R., Miller, W., Packman, A., & **Young, S.L.** (2020). Knowledge, attitudes, intentions, and behavior related to green infrastructure for flood management: A systematic literature review. *Science of the Total Environment*. doi: 10.1016/j.scitotenv.2020.137606
100. Benzaken, C.,^{*} Miller, J.,^{*} Onono, M., & **Young, S.L.** (2020). Development of a cumulative metric of vaccination adherence behavior and its application among a cohort of 12-month-olds in western Kenya. *Vaccine*. doi: 10.1016/j.vaccine.2020.03.011 (preprint: 10.31235/osf.io/4s76n)
99. Thavarajah, W., Verosloff, M., Jung, J., Alam, K., Miller, J.,^{*} Jewett, M., **Young, S.L.**, & Lucks, J. (2020). A primer on emerging field-deployable synthetic biology tools for global water quality monitoring. *npj Clean Water*. doi: 10.1038/s41545-020-0064-8
98. Tuthill, E., Miller, J.,^{*} Collins, S.,^{**} Widen, E.,[^] Onono, M., & **Young, S.L.** (2020). HIV infection, hunger, breastfeeding self-efficacy, and depressive symptoms are associated with exclusive breastfeeding to 6 months among women in western Kenya: A longitudinal observational study. *International Breastfeeding Journal*. doi: 10.1186/s13006-019-0251-813006_2019_251
97. Schuster, R.,^{**} Butler, M.,^{**} Wutich, A., Miller, J.,^{*} **Young, S.L.**, & HWISE Research Coordination Network. (2020). “If there is no water, we cannot feed our children”: The far-reaching consequences of water insecurity on

infant feeding practices and infant health across 16 low- and middle-income countries. *American Journal of Human Biology*. doi: 10.1002/ajhb.23357

96. Brewis, A., Workman, C., Wutich, A., Jepson, W., **Young, S.L.**, & HWISE Research Coordination Network. (2020). Household water insecurity is a plausible driver of food insecurity: Evidence from 27 sites in low- and middle-income countries. *American Journal of Human Biology*. doi: 10.1002/ajhb.23309

95. Stoler, J., Pearson, A., Staddon, C., Wutich, A., Mack, E., Brewis, A., Rosinger, A., & HWISE Research Coordination Network [including **Young, S.L.**]. (2019). Cash water expenditures are associated with household water insecurity, food insecurity, and perceived stress in study sites across 20 low- and middle-income countries. *Science of the Total Environment*. doi: 10.1016/j.scitotenv.2019.135881

94. **Young, S.L.**, Godfred, B.O.,[^] Jamaluddine, Z, Miller, J.D.,* Frongillo, E., Neilands, T., Collins, S.M.,** Wutich, A., Jepson, W., Stoler, J., & HWISE Research Coordination Network. (2019). The Household Water InSecurity Experiences (HWISE) Scale: development and validation of a household water insecurity measure for low-income and middle-income countries. *BMJ Global Health*. doi: 10.1136/bmjgh-2019-001750

93. Venkataramanan, V.,[^] Packman, A., Peters, D.,* Lopez, D.,* McCuskey, D.,* McDonald, R., Miller, W., & **Young, S.L.** (2019). A systematic review of the human health and social well-being outcomes of green infrastructure for stormwater and flood management. *Journal of Environmental Management*. doi: 10.1016/j.jenvman.2019.05.028

92. Murnane, P., Miller, J.,* Tuthill, E., Collins, S.,** Neilands, T., Onono, M., Cohen, C., Weiser, S., Laudenslager, M., & **Young, S.L.** (2019). Perinatal food insecurity and postpartum psychosocial stress are positively associated among Kenyan women of mixed HIV status. *AIDS and Behavior*. doi: 10.1007/s10461-019-02676-5

91. Miller, J.D.,* Fitzgerald, K.G., Smith, A.L., & **Young, S.L.** (2019). Geophagy among a cohort of Kenyan women with mixed HIV status: A longitudinal analysis. *American Journal of Tropical Medicine and Hygiene*. doi: 10.4269/ajtmh.19-0149

90. Pebsworth, P.A.,[^] Hillier, S., Wendler, R., Glahn, R., Ta, C.A.K., Arnason, J.T., & **Young, S.L.** (2019). Geophagy among East African Chimpanzees: consumed soils provide protection from plant secondary compounds and bioavailable iron. *Environmental Geochemistry and Health*. doi: 10.1007/s10653-019-00366-8

89. Heimbürger, D.C., Hermann, M., McClung, J.P., McGuire, M.K., Rasmussen, K.M., Troy, L.M., & **Young S.L.** (2019). History and perspectives on the Dannon Institute Early-Career Nutrition Leadership Institute. *Nutrition Today*. doi: 10.1097/NT.0000000000000353

88. Miller, J.D.,* **Young, S.L.**, Boateng, G.O.,[^] Oiyee, S., & Owino, S. (2019). Greater household food insecurity is associated with lower breast milk intake among infants in western Kenya. *Maternal & Child Nutrition*. doi: 10.1111/mcn.12862

87. Fiorella, K.J.,[^] Desai, P.,* Miller, J.D., Okeyo, N.O., & **Young, S.L.** (2019). A review of transactional sex for natural resources: Under-researched, overstated, or unique to fishing economies? *Global Public Health*. doi: 10.1080/17441692.2019.1625941

86. Chung, E.O., Mattah, B., Hickey, M., Salmen, C.R., Milner, E.M., Bukusi, E.A., Brashares, J.S., **Young, S.L.**, Fernald, L.C.H., & Fiorella, K.J.[^] (2019). Characteristics of pica behavior among mothers around Lake Victoria, Kenya: A cross-sectional study. *Int. J. Environ. Res. Public Health*. doi: 10.3390/ijerph16142510

85. Santoso, M.V.,** Bezner Kerr, R., Hoddinott, J., Garigipati, P.,* Olmos, S.,* & **Young, S.L.** (2019). Role of women's empowerment in child nutrition outcomes: A systematic review. *Advances in Nutrition*. doi: 10.1093/advances/nmz056

84. Boateng, G.,[^] Martin, S., Tuthill, E., Collins, S.M.,** Dennis, C., Natamba, B.,** **Young, S.L.** (2019). Adaptation and psychometric evaluation of the breastfeeding self-efficacy scale to assess exclusive breastfeeding. *BMC Pregnancy & Childbirth*. doi: 10.1186/s12884-019-2217-7

83. **Young, S.L.** & Miller, J.D.* (2019). Medicine Beneath Your Feet: A Biocultural Examination of the Risks and Benefits of Geophagy. *Clay and Clay Minerals*. doi: 10.1007/s42860-018-0004-6

82. **Young, S.L.**, Collins, S.M.,** Boateng, G.,^ Neillands, T.B., Jamaluddine, Z., Miller, J.D.,*, Brewis, A., Frongillo, E.A., Jepson, W., Melgar-Quinonez, H., Schuster, R., Stoler, J.B., Wutich, A., & HWISE Research Coordination Network. (2019). Development and validation protocol for an instrument to measure household water insecurity across cultures and ecologies: the Household Water InSecurity Experiences (HWISE) Scale. *BMJ Open*. doi: 10.1136/bmjopen-2018-023558
81. Brewis, A., Rosinger, A., Wutich, A., Adams, E., Cronk, L., Pearson, A., Workman, C., **Young, S.L.**, & HWISE Consortium. (2019). Water sharing, reciprocity, and need: A comparative study of interhousehold water transfers in sub-Saharan Africa. *Economic Anthropology*. doi: 10.1002/sea2.12143
80. Bezner Kerr, R., **Young, S.L.**, Young, C., Santoso, M.V.,** Magalasi, M., Entz, M., Lupafya, E. Dakishoni, L., Morrone, V., Wolfe, D., Snapp, S. (2019). Farming for change: developing a participatory curriculum on agroecology, nutrition, climate change and social equity in Malawi and Tanzania. *Agriculture and Human Values* <http://bit.ly/farm4change>
79. Chung, Y., Bezner Kerr, R., & **Young, S.L.** (2019). Rethinking the value of unpaid care work: lessons from participatory visual research in central Tanzania. *Gender, Place & Culture*. doi: 10.1080/0966369X.2018.1556611
78. Stoler, J., Brewis, A., Harris, L., Wutich, A., Pearson, A., Rosinger, A., Schuster, R., & **Young, S.L.** (2018). Household water sharing: a missing link in international health. *International Health*. doi: 10.1093/inthealth/ihy094/5253751
77. Pebsworth, P., Huffman, M., Lambert, J., & **Young, S.L.** (2018). Geophagy among non-human primates: A systematic review of current knowledge and suggestions for future direction. *Yearbook of Physical Anthropology*. doi: 10.1002/ajpa.23724
76. Collins, S.,** Mbullo, P.,** Miller, J.,* Boateng, G.,^ Wekesa, P., Onono, M., & **Young, S.L.** (2018). 'I know how stress it is to lack water!' Exploring the lived experiences of household water insecurity among pregnancy and postpartum women in western Kenya. *Global Public Health*. doi: 10.1080/17441692.2018.1521861
75. Widen, E., Tsai, I.,* Collins, S.M.,** Wekesa, P., China, J., Krumdieck, N., Miller, J.,* Weiser, S., Onono, M., & **Young, S.L.** (2018). HIV and increased food insecurity are associated with adverse body composition changes among pregnant and lactating Kenyan women. *European Journal of Clinical Nutrition*. doi: 10.1038/s41430-018-0285-9
74. Wutich, A., Budds, J., Jepson, W., Harris, L., Adams, E., Brewis, A., Cronk, L., DeMyers, C., Maes, K., Marley, T., Miller, J.,* Pearson, A., Rosinger, A., Schuster, R.,** Stoler, J., Staddon, C., Wiessner, P., Workman, C., **Young, S.L.** (2018). Household water sharing: A review of water gifts, exchanges, and transfers across cultures. *Wiley Interdisciplinary Reviews – Water*. doi: 10.1002/wat2.1309
73. Schuster, R.,** de Sousa, O., Reme, A., Vopelak, C., Pelletier, D. L., Johnson, L. M., Mbuya, M., Pinault, D., & **Young, S. L.** (2018). Performance-Based Financing Empowers Health Workers Delivering Prevention of Vertical Transmission of HIV Services and Decreases Desire to Leave in Mozambique. *International Journal of Health Policy and Management*. doi: 10.15171/ijhpm.2017.137
72. Rosinger, A., **Young, S. L.**, Collins, S. M.,** Haider, S. R., Mishra, P., Nagai, H. T., Petro, M., & Downs, J. A. (2018). Schistosomiasis and hydration status: *Schistosoma haematobium*, but not *Schistosoma mansoni* increases urine specific gravity among rural Tanzanian women. *American Journal of Physical Anthropology*. doi: 10.1002/ajpa.23479
71. Fox, E.,** Pelto, H., Bar, H., Rasmussen, K. M., **Young, S. L.**, Debrosse, M. G., Rouzier, V. A., Pape, J. W., & Pelletier, D. L. (2018). Capturing changes in HIV-infected, breastfeeding mothers' cognitive processes from before delivery to five months postpartum: An application of the pile sorting technique in Haiti. *Current Developments in Nutrition*. doi: 10.1093/cdn/nzy017
70. Miller, J. D.,* Collins, S. M.,** Omotayo, M., Martin, S. L., Dickin, K. L., & **Young, S. L.** (2018). Geophagic earths consumed by women in western Kenya contain dangerous levels of lead, arsenic, and iron. *American Journal of Human Biology*. doi: 10.1002/ajhb.23130

69. Boateng, G.B.,[^] Neilands, T.B., Frongillo, E.A., Melgar-Quinonez, H, & **Young, S. L.** (2018). Best Practices for Developing and Validating Scales for Health, Social and Behavioral Research: A Primer. *Frontiers*. doi: 10.3389/fpubh.2018.00149
68. Boateng, G.B.,[^] Collins, S.M.,^{**} Mbullo, P.,^{**} Wekesa, P., Onono, M., Neilands, T.B., & **Young, S. L.** (2018). A Novel Household Water Insecurity Scale: Procedures and Psychometric Analysis among Postpartum Women in Western Kenya. *PLoS ONE*.
67. Boateng, G.,[^] Martin, S., Collins, S.,^{**} Natamba, B.,^{**} & **Young, S. L.** (2018). Measuring exclusive breastfeeding social support: Scale development and validation in Uganda. *Maternal & Child Nutrition*. doi: 10.1111/mcn.12579
66. Geubbels, E., Williams, A., Ramaiya, A., Tancredi, D., **Young, S. L.**, Chantry, C. (2018). HIV status disclosure among postpartum women in rural Tanzania: predictors, experiences and uptake of a nurse-facilitated disclosure intervention. *AIDS Care*, 1-9. doi: 10.1080/09540121.2018.1428724
65. Dumas, S. E.,^{**} Kassa, L., **Young, S. L.**, & Travis, A. J. (2018). Examining the association between livestock ownership typologies and child nutrition in the Luangwa Valley, Zambia. *PLoS ONE*. doi: 10.1371/journal.pone.0191339
64. Dumas, S. E.,^{**} Maranga, A.,^{*} Mbullo, P.,^{**} Collins, S.,^{**} Wekesa, P., Onono, M., **Young, S.L.** (2017). "Men Are in Front at Eating Time, but Not When It Comes to Rearing the Chicken": Unpacking the Gendered Benefits and Costs of Livestock Ownership in Kenya. *Food & Nutrition Bulletin*. doi: 10.1177/0379572117737428
63. Oehmke, J. F., Young, S. L., Bahigwa, G., Keizire, B. B., Post, L. A. (2017). The Behavioral Economics Basis of Mutual Accountability to Achieve Food Security. *Politics & Policy*. doi: 10.1111/polp.12244
62. Ta, C. A. K., Pebsworth, P.,[^] Liu, R., Hillier, S., Gray, N., Arnason, J. T., & **Young, S. L.** (2017). Soil eaten by chacma baboons adsorbs polar plant secondary metabolites representative of those found in their diet. *Environmental Geochemistry and Health*. doi: 10.1007/s10653-017-0025-4
61. Familiar, I., Collins, S. M.,^{**} Sikorskii, A., Ruisenor-Escudero, H., Natamba, B.,^{**} Bangirana, P., Widen, E. M.,[^] Achidri, D., Achola, H., Onen, D., Boivin, M., **Young, S. L.** (2017). Quality of caregiving is positively associated with neurodevelopment during the first year of life among HIV-exposed uninfected children in Uganda. *Journal of Acquired Immune Deficiency Syndromes*. doi: 10.1097/QAI.0000000000001599
60. Roy, A., Fuentes-Afflick, E., Fernald, L. C. H., & **Young, S.L.** (2017). Pica is prevalent and strongly associated with iron deficiency among Hispanic pregnant women living in the United States. *Appetite*, 120, 163–170. doi: 10.1016/j.appet.2017.08.033
59. Wutich, A., J. Budds, L. Eichelberger, J. Geere, L. Harris, J. Horney, W. Jepson, E. Norman, K. O'Reilly, A. Pearson, S.H. Shah, J. Shinn, K. Simpson, C. Staddon, J. Stoler, M. Teodoro, **S.L. Young**. (2017). Advancing methods for household water insecurity research: Studying entitlements and capabilities, socio-cultural dynamics, and political processes, institutions and governance. *Water Security*, 2, 1-10. doi: 10.1016/j.wasec.2017.09.001
58. Vaidya, A., Bhosale, R., Samarey, P., Suryavanshi, N., **Young, S.L.**, Mave, V., Kanade, S., Kulkarni, V., Deshpande, P., Balasubramanian, U., Elf, J., Gupte, N., Gupta, A., Mathad, J.S. (2017). Household food insecurity is associated with low interferon-gamma levels in pregnant Indian women. *The International Journal of Tuberculosis and Lung Disease*. doi: 10.5588/ijtld.16.0718
57. Jepson, W., Budds, J., Eichelberger, L., Harris, L., Norman, E., O'Reilly, K., Pearson, A., Shah, S., Shinn, J., Staddon, C., Stoler, J., Wutich, A., **Young, S.L.** (2017). Advancing human capabilities for water security: A relational approach. *Water Security*, 1, 46-52. doi: 10.1016/j.wasec.2017.07.001
56. Jepson, W., Wutich, A., Boateng, G.,[^] Collins, S.,^{**} **Young, S.L.** (2017). Progress in Household Water Insecurity Metrics: A Cross-Disciplinary Approach in the Social Sciences. *WIREs Water*, 4(3). doi: 10.1002/wat2.1214
55. Brooks, Y.,[^] Collins, S.,^{**} Mbullo, P., Boateng, G.,[^] **Young, S.L.**, Richardson, R. (2017). Evaluating human sensory perceptions and the Compartment Bag Test assays as proxies for the presence and concentration of *Escherichia coli* in drinking water in western Kenya: Suggestions for monitoring SDGs in low-resource settings. *American Journal of Tropical Medicine & Hygiene*, 97(4), 1005-1008. doi: 10.4269/ajtmh.16-0878

54. Powell, B.,[^] Bezner Kerr, R., **Young, S. L.**, Johns, T. (2017). The determinants of dietary diversity and nutrition: ethnonutrition knowledge of local people in the East Usambara Mountains, Tanzania. *Journal of Ethnobiology and Ethnomedicine*. 13(1). doi: 10.1186/s13002-017-0150-2.
53. Widen, E.M.,[^] Collins, S.M.,^{**} Khan, H.,^{*} Biribawa, C., Acidri, D., Achoko, W., Achola, H., Ghosh, S., Griffiths, J.K., **Young, S.L.** (2017). Food insecurity, but not HIV-infection status, is associated with adverse changes in body composition during lactation in Ugandan women of mixed HIV status. *American Journal of Clinical Nutrition*. doi: 10.394/ajcn.116.142513
52. Casal, C. S.,^{*} Lei, A.,^{*} **Young, S.L.**, Tuthill, E.[^] (2017). A Critical Review of Instruments Measuring Breastfeeding Attitudes, Knowledge, and Social Support. *Journal of Human Lactation*. 33(1): 21-47. doi: 10.1177/0890334416677029
51. Natamba, B.,^{**} Mehta, S., Achan, J., Stoltzfus, R.J., Griffiths, J.K., **Young, S.L.** (2016). The association between food insecurity and depressive symptoms severity among pregnant women differs by social support category: a cross-sectional study. *Maternal and Child Nutrition*. doi: 10.1111/mcn.12351
50. Tuthill, E.L.[^], Pellowski, J.A., **Young, S.L.**, Butler, L.M. (2016). Prenatal depression predicts lower rates of exclusive breastfeeding among HIV-infected women in KwaZulu-Natal, South Africa. *AIDS and Behavior*. doi: 10.1007/s10461-016-1557-9
49. Krumdieck, N.,^{**} Collins, S.,^{**} Wekesa, P., Mbullo, P., Boateng, G.,[^] Onono, M., **Young, S.L.** (2016). Household water insecurity is associated with a range of negative consequences among pregnant Kenyan women of mixed HIV status. *Journal of Water and Health*. doi: 10.2166/wh.2016.079
48. Achan, J., Kakuru, A., Ikilezi, G., Mwangwa, F., Plenty, A., Charlebois, E., **Young, S.L.**, Havlir, D., Kamya, M., Ruel, T. (2016). Growth recovery among HIV-infected children randomized to Lopinavir/ritonavir or Non-nucleotide reverse transcriptase inhibitor-based antiretroviral therapy. *Pediatric Infectious Disease Journal*. doi: 10.1097/INF.0000000000001318
47. Williams, A.,^{**} Chantry, C., **Young, S.L.**, Achando, B.S., Allen, L.H., Arnold, B.A., Colford, J.M., Dentzl, H.N., Hampel, D., Kiprotich, M., Lin, A., Null, C., Nyambane, G., Shabab-Ferdows, S., Stewart, C. (2016). Breastmilk vitamin B-12 concentrations are low and are not associated with reported household hunger, recent animal source food or vitamin B-12 intake among women in rural Kenya. *Journal of Nutrition*. doi: 10.3945/jn.115.228189
46. Schuster, R.,^{**} de Sousa, O., Rivera, J., Olson, R., Pinault, D., & **Young, S. L.** (2016). Performance-based incentives may be appropriate to address challenges to delivery of prevention of vertical transmission of HIV services in rural Mozambique: a qualitative investigation. *Human Resources for Health*. doi: 10.1186/s12960-016-0157-0
45. Seim, G.,^{*} Tako, E., Ahn, C.,^{*} Glahn, R., **Young, S.L.** (2016). A Novel in Vivo Model for Assessing the Impact of Geophagic Earth on Iron Status. *Nutrients*. doi: 10.3390/nu8060362
44. Schuster, R.,^{**} McMahon, D.,^{*} **Young, S.L.** (2016). A comprehensive review of the barriers and promoters health workers experience in delivering prevention of vertical transmission of HIV services in sub-Saharan Africa. *AIDS Care*. doi: 10.1080/09540121.2016.1139041
43. Williams, A.,^{**} Chantry, C., Geubbels, E., Ramaiya, A.,^{**} Shemdoe, A. Tancredi, D., **Young, S.L.** (2016). Breastfeeding and Complementary Feeding Practices among HIV-Exposed Infants in Coastal Tanzania. *Public Health Nutrition*. 32(1), 112–122. doi: 10.1177/0890334415618412
42. Martin, S.,^{**} Seim, G.,^{*} Wawire, S., Chapleau, G., **Young, S.L.**, Dickin, K. (2016). Translating Formative Research Findings into a Behavior Change Strategy to Promote Antenatal Calcium and Iron and Folic Acid Supplementation in Western Kenya. *Maternal and Child Nutrition*. doi: 10.1111/mcn.12233
41. Koss, C. A.,^{**} Natureeba, P., Nyafwono, D., Plenty, A., Mwesigwa, J., Nzarubara, B., Clark, T., Ruel, T., Achan, J., Charlebois, E., Cohan, D., Kamya, M., Havlir, D., **Young, S.L.** (2015). Food Insufficiency is Associated with Lack of Sustained Viral Suppression among HIV-Infected Pregnant and Breastfeeding Ugandan Women. *Journal of Acquired Immune Deficiency Syndromes*. doi: 10.1097/QAI.0000000000000860

40. Kimani-Murage, E. W., Kimiywe, J., Kabue, M., Wekesah, F., Matiri, E., Muhia, N., Wanjohi, M., Muriuki, P., Samburu, B.,** Kanyuira, J.N. **Young, S.L.**, Griffiths, P.L., Madise, N., McGarvey, S. (2015). Feasibility and effectiveness of the baby friendly community initiative in rural Kenya: study protocol for a randomized controlled trial. *Trials*. 16(1), 431. doi: 10.1186/s13063-015-0935-3
39. Tuthill, E. L.,** McGrath, J.M., Graber, M. Cusson, R.M., **Young, S. L.** (2015). Breastfeeding Self-efficacy: A Critical Review of Available Instruments. *Journal of Human Lactation*. doi: 10.1177/0890334415599533
38. **Young, S.L.**, Natamba, B.,** Luwedde, F., Nyafwono, D., Okia, B., Osterbauer, B., Natureeba, P., Johnson, L., Michel, C., Zheng, A.,* Robine, M.,* Achan, J., Charlebois, E., Cohan, D., Havlir, D. (2015). "I have remained strong because of that food": Acceptability and use of lipid-based nutrient supplements among pregnant HIV-infected Ugandan women receiving combination antiretroviral therapy. *AIDS and Behavior*. doi: 10.1007/s10461-014-0947-0
37. Bartelink, I. H., Savic, R. M., Dorsey, G., Ruel, T., Gingrich, D., Scherpbier, H., Capparelli, E., Julien, V., **Young, S.**, Achan, J., Plenty, A., Charlebois, E., Kamya, M., Havlir, D., Aweeka, F. (2015) The Effect of Malnutrition on the Pharmacokinetics and Virologic Outcomes of Lopinavir Efavirenz and Nevirapine in Food Insecure HIV-Infected Children in Tororo, Uganda. *Pediatric Infectious Disease Journal*. doi: 10.1097/INF.0000000000000603
36. Miao, D.,* **Young, S.L.**, & Golden, C.D. (2015). A meta-analysis of pica and micronutrient status. *American Journal of Human Biology*. doi: 10.1002/ajhb.22598
- # Cover article
35. Lumish, R.A.,* **Young, S.L.**, Lee, S., Cooper, E., Pressman, E., Guillet, R., O'Brien, K.O. (2014). Gestational Iron Deficiency is Associated with Pica Behaviors in Adolescents. *Journal of Nutrition*. doi: 10.3945/jn.114.192070
34. Natamba, B. K.,** Achan, J., Arbach, A.,** Oyok, T. O., Ghosh, S., Mehta, S., Stoltzfus, R.J., Griffiths, J., **Young, S.L.** (2014). Reliability and validity of the center for epidemiologic studies-depression scale in screening for depression among HIV-infected and -uninfected pregnant women attending antenatal services in northern Uganda: a cross-sectional study. *BMC Psychiatry*. 14(1), 303. doi: 10.1186/s12888-014-0303-y
33. Natamba, B.,** Kilama, H., Arbach, A.,** Achan, J., Ghosh, S., Griffiths, J., & **Young, S. L.** (2014). Reliability and validity of an individually-focused food insecurity access scale for assessing perceived food access among pregnant Ugandan women of mixed HIV status. *Public Health Nutrition*. doi: 10.1017/S1368980014001669
32. Lin, J.,* Temple, L.,* Trujillo, C., Mejia-Rodriguez, F., Goldman Rosas, L., Fernald, L., & **Young, S. L.** (2014). Pica during pregnancy among Mexican-born women: a formative study. *Maternal and Child Nutrition*. doi: 10.1111/mcn.12120
31. **Young, S. L.**, Plenty, A., Luwedde, F., Natamba, B.,** Natureeba, P., Achan, J., et al. (2014). Household food insecurity, maternal nutritional status, and infant feeding practices among HIV-infected Ugandan women receiving combination antiretroviral therapy. *Maternal and Child Health*. 18(9):2044-53. doi: 10.1007/s10995-014-1450-y
30. Nagata, J. M.,** Cohen, C. R., **Young, S. L.**, Wamuyu, C., Armes, M. N., Otieno, B. O., Leslie, H.H., Dangu, M., Stewart, C., Bukusi, E.A., Weiser, S.D. (2014). Descriptive characteristics and health outcomes of the Food by Prescription nutrition supplementation program for adults living with HIV in Nyanza Province, Kenya. *PLoS One*. 9(3), e91403. doi: 10.1371/journal.pone.0091403.t003
29. Jones, A.D., Ngure, F.M., Pelto, G., **Young, S.L.** (2013). What are we assessing when we measure food security?: A compendium and review of current metrics. *Advances in Nutrition*. 4, 481-505, doi: 10.3945/an.113.004119
28. Bartelink, I. H., Savic, R. M., Mwesigwa, J., Achan, J., Clark, T., Plenty, A., Charlebois, E., Kamya, M., **Young, S.L.**, Gandhi, M., Havlir, D., Cohan, D., Aweeka, F. (2013). Pharmacokinetics of lopinavir/ritonavir and efavirenz in food insecure HIV-infected pregnant and breastfeeding women in Tororo, Uganda. *Journal of Clinical Pharmacology*. doi: 10.1002/jcph.167

27. Tuthill, E.,** McGrath, J., **Young, S.L.** Commonalities and differences in infant feeding attitudes and practices in the context of HIV in Sub-Saharan Africa: a Metasynthesis. (2013). *AIDS Care*. doi: 10.1080/09540121.2013.813625.
26. **Young, S.L.**, Wheeler, A., McCoy, A., Weiser, S. (2013). A review of the role of food insecurity in adherence to care and treatment among adult and pediatric populations living with HIV and AIDS. *AIDS and Behavior*. doi:10.1007/s10461-013-0547-4
25. Seim, G.L.,* Ahn, C.I.,* Bodis, M.S., Luwedde, F., Miller, D., Tako, E., Glahn, R., **Young, S.L.** (2013). Bioavailability of iron in geophagic earths and clay minerals, and their effect on dietary iron absorption using an in vitro digestion/Caco-2 cell model. *Food and Function*. 4(8), 1263–1270. doi: 10.1039/c3fo30380b
24. Pebsworth, P.,^ Seim, G.,* Huffman, M., Glahn, R., Hillier, S., Tako, E., **Young, S.L.** (2013). Soil consumed by chacma baboons is low in bioavailable iron and high in clay. *Journal of Chemical Ecology*. 39(3), 447–449. doi:10.1007/s10886-013-0258-3
23. **Young, S. L.**, Leshabari, S., Arkfeld, C.,* Singler, J., Chantry, C.J. et al. (2013). Barriers to and promoters of home-based breastmilk pasteurization: an ethnographic investigation. *Breastfeeding Medicine*. 8(3), 321–326. doi:10.1089/bfm.2012.0044
22. Nagata, J. M.,** Magerenge, R. O., **Young, S.L.**, Oguta, J. O., Weiser, S. D., & Cohen, C. R. (2012). Socio-demographic and health associations with BMI at the time of enrollment to HIV care in Nyanza Province, Kenya. *AIDS Care*. 24(6), 728–736. doi: 10.1080/09540121.2011.630358
21. Wilkinson, L.,* Sheng, X., & **Young, S. L.** (2012). Understanding infant and young child feeding challenges in China. *China Health Review*. 3(2), 9–20.
20. Golden, C. D.,* Rasolofoniaina, B. J. R., Benjamin, R., **Young, S. L.** (2012). Pica and amylophagy are common among Malagasy men, women and children. *PLoS One*. 7(10): e47129. doi: 10.1371/journal.pone.0047129
19. **Young, S.**, Murray, K., Mwesigwa, J., Natureeba, P., Osterbauer, B., Achan, J., Arinaitwe, E., Clark, T., Ades, V., Charlebois, E., Ruel, T., Kamya, M., Havlir, D., Cohan, D. (2012). Maternal nutritional status predicts adverse obstetric & fetal outcomes among HIV-infected rural Ugandan women receiving combination ART. *PLoS One*. 7(8) e41934. doi: 10.1371/journal.pone.0041934.t003
18. Patil, C. and **Young, S.L.** (2012). Biocultural considerations of food cravings and aversions: An introduction. *Ecology of Food and Nutrition*. 51(5), 365–373. doi: 10.1080/03670244.2012.696007
17. Patil, C. R., Steinmetz, A.R.,* Abrams, E.T. and **Young, S.L.** (2012). Appetite sensations and nausea and vomiting of pregnancy: An overview of the explanations. *Ecology of Food and Nutrition*. 51(5), 394–417. doi:10.1080/03670244.2012.696010
16. Steinmetz, A.R.,* Abrams, E.T., **Young, S.L.** (2012). Patterns of gustatory and olfactory aversions and nausea and vomiting during pregnancy on Pemba Island, Zanzibar, Tanzania. *Ecology of Food and Nutrition*. 51(5), 418–430. doi: 10.1080/03670244.2012.696011
15. Arinaitwe, E., Gasasira, A., Verret, W., Homsy, J., Wanzira, H., Kakuru, A., Sandison, T., **Young, S.**, Tappero, J., Kamya, M., Dorsey, G. (2012). The association between malnutrition and the incidence of malaria among young HIV-infected and -uninfected Ugandan children: a prospective study. *Malaria Journal*. 11:90 doi:10.1186/1475-2875-11-90
14. Chantry, C. J., **Young, S. L.**, Rennie, W., Ngonyani, M., Mashio, C., Israel-Ballard, K., Peerson, J., et al. (2012). Feasibility of using Flash-heated breastmilk as an infant feeding option for HIV-exposed, uninfected infants after 6 months of age in urban Tanzania. *JAIDS*. 60(1):43-50. doi: 10.1097/QAI.0b013e31824fc06e
13. Nagata, J.,* Magarende, R, **Young, S.L.**, Weiser, S.D., Cohen, C.R. (2011). Social determinants, lived experiences, and consequences of household food insecurity among persons living with HIV / AIDS in Suba District, Kenya. *AIDS Care*. doi: 10.1080/09540121.2011.630358

12. Weiser, S.D., **Young, S.L.**, Cohen, C.R., Tsai, A.C., Tien, P.C., Hatcher, A.M., Frongillo, E.A., Bangsberg, D.R. (2011). Conceptual framework for understanding the bidirectional links between food insecurity and HIV/AIDS. *American Journal of Clinical Nutrition*. 94(6) 1729S-1739S. doi: 10.3945/ajcn.111.012070
 11. **Young, S.L.**, Mbuya, M.M., Chantry, C.J., Geubbels, E., Israel-Ballard, K., Cohan, D. Latham, M. (2011). Current knowledge and future research on infant feeding in the context of HIV: basic, clinical, behavioral and programmatic perspectives. *Advances in Nutrition*. 2:225-243. doi: 10.3945/an.110.000224
 10. **Young, S.L.**, Sherman, P.W., Lucks, J, Pelto, G. (2011). Why on earth?: Evaluating hypotheses about the physiological functions of human geophagy. *Quarterly Review of Biology*. 86(2):97-120. doi: 10.1086/659884
 9. **Young, S.L.** (2010). Pica in Pregnancy: New Ideas About An Old Condition. *Annual Review of Nutrition*. 30: 403-422. doi: 10.1146/annurev.nutr.012809.104713
 8. **Young, S.L.**, Israel-Ballard, K., Dantzer, E., Nyambo, M., Ash, D., Chantry, C.J. (2010). Infant feeding practices among HIV-positive women in Dar es Salaam, Tanzania indicate a need for more intensive infant feeding counseling. *Public Health Nutrition*. 29:1-7. doi: 10.1017/S1368980010001539
 7. **Young, S.L.**, Khalfan, S., Farag, T., Kavle, J., Rasmussen, K., Pelto, G., Ali, S. M., Hamadi, B., Tielsch, J., Stoltzfus, R. (2010). Pica is associated with anemia and gastrointestinal distress among pregnant Zanzibari women. *American Journal of Tropical Medicine & Hygiene*. 83(1):144-151. doi: 10.4269/ajtmh.2010.09-0442
 6. **Young, S.L.**, Hernandez Cordero, S., Blanco, I., Pelto, G. H., & Neufeld, L. M. (2010). Organoleptic properties, ease of use, and perceived health effects are determinants of acceptability of micronutrient supplements among poor Mexican women. *Journal of Nutrition*. 140 (3):605-611. doi: 10.3945/jn.109.113498.
- #selected by Journal of Nutrition Editor as the Article of Interest for March 2010*
5. **Young, S.L.**, Wilson, M.J., Hillier, S., Delbos, E. (2010). Differences and commonalities in physical, chemical and mineralogical properties of Zanzibari geophagic soils. *Journal of Chemical Ecology*. 36(1): 129-140. doi: 10.1007/s10886-009-9729-y
 4. **Young, S.L.**, Beckham, S, and Ali, S. M. (2009). The potential role of private pharmacies in maternal iron supplementation in rural Tanzania. *Food & Nutrition Bulletin*. 30(1):16-23. doi: 10.1177/156482650903000102
 3. **Young, S.L.**, Wilson, M. J., Hillier, S., & Miller, D. D. (2008). Toward a comprehensive approach to the collection and analysis of pica substances, with emphasis on geophagic materials. *PLoS One*. 3(9): e3147. doi: 10.1371/journal.pone.0003147
 2. **Young, S. L.**, D. Goodman, T. H. Farag, S. M. Ali, M. R. Khatib, S. S. Khalfan, J. M. Tielsch, and R. J. Stoltzfus (2007). Geophagia is not associated with Trichuris or hookworm transmission in Zanzibar, Tanzania. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 101(8): 766-72. doi: 10.1016/j.trstmh.2007.04.016
 1. **Young, S. L.**, and S. M. Ali. (2005). Linking traditional treatments of material anemia to iron supplement use: an ethnographic case study from Pemba Island, Zanzibar. *Maternal and Child Nutrition*. 1(1): 51-58. doi: 10.1111/j.1740-8709.2004.00002.x

BOOK

173. **Young, S.L.** (2011) "Craving earth: Understanding pica" Columbia University Press.

Reviewed by: New York Times, Barnes & Noble (starred review), American Journal of Human Biology, Athol Daily News, Atlanta Journal-Constitution, Daily Democrat, Fresno Bee, Gastronomica, Health and Medicine Week, Sacramento News and Review, Sydney Morning Herald, Times Higher Chronicle

INVITED COMMENTARIES & LETTERS TO THE EDITOR

187. **Young, SL**, Bethancourt H[^], Cafiero C, Gaitán-Rossi P, Koo-Oshima S, McDonnell R, Melgar-Quiñonez H, Neufeld L, Oenema S, Perez-Escamilla R, Viviani S, Frongillo E (2023). Acknowledging, measuring and acting on the importance of water for food and nutrition. *Nature Water*. <https://doi.org/10.1038/s44221-023-00146-w>

188. Gaitan-Rossi, P., Teruel-Belismelis, G., Parás-García, P., Vilar-Compte, M., **Young, S. L.**, & Pérez-Escamilla, R. (2023, April 1). Agua y alimentos. *Nexos*. <https://www.nexos.com.mx/?p=7222>
189. **Young, S.L.** (2022) The Value of Children's Voices in Public Health Research. *Journal of Nutrition* 152(9) pp 2011-2012. <https://doi.org/10.1093/jn/nxac145>
#selected as Editor's Choice
190. **Young, S.L.** and Miller, J.D. (2022) Water Insecurity in the United States: Quantifying an Invisible Crisis. *Journal of Nutrition* 152(5) pp 1183-1184. <https://doi.org/10.1093/jn/nxac048> (selected as Editor's Choice)
191. **Young, S.L.** (2020). The Human Experience of Water Security and What It Means for Food Security. *Center for Strategic and International Studies*. <https://www.csis.org/analysis/human-experience-water-security-and-what-it-means-food-security>
192. **Young, S.L.**, Miller, J., Staddon, C. (2020) New World Risk Poll Provides Critical Insights into the Global Water Crisis <https://wrp.lrfoundation.org.uk/world-risk-poll-global-water-crisis/>
193. **Young, S.L.** & Miller, J.* (2018). If 'Water is Life,' Shouldn't We Know How to Measure It? *Anthropology News*. <https://doi.org/10.1111/AN.796>
194. Miller, J.,* Fiorella, K., Wekesa, P., Boateng, G., Collins, S., **Young, S.** (2017) "An inquiry into a recent paper on pica in western Kenya" *NFS Journal*. doi: 10.1016/j.nfs.2017.01.001
195. **Young, S.L.** Invited commentary on Wutich, A. and Brewis, A. (2014) "Food, water, and scarcity: Toward a Broader Anthropology of Resource Insecurity," *Current Anthropology*. 55(4) 461-462.
196. **Young, S.**, Tuthill, E., Pelto, G. (2013) "Ethnography as a tool for formative research and evaluation in public health nutrition" *Nestlé Foundation Report*. 38-39.
197. Chantry, C.J., Hanson, C.V., Israel-Ballard, K., and **Young, S.L.** Policy on Infant Feeding and Transmission of HIV Cites Outdated Information About Breastmilk Pasteurization. *Pediatrics*.
198. **Young, S. L.**, Chantry, C. J., Vosti, S. A., Rennie, W. (2009). Infant feeding counseling: a neglected strategy for the reduction of MTCT. *AIDS*. 23(18):2543-2544.
199. **Young, S. L.** (2004). On the role of the individual in the MEAH framework. *Medische Antropologie*. 16 (2): 280-1.

BOOK CHAPTERS

200. Miller, J. D., & **Young, S. L.** (2023). Water security and nutrition. In *Encyclopedia of Human Nutrition* (pp. 706–716). Elsevier. <https://doi.org/10.1016/B978-0-12-821848-8.00015-9>
201. Kordas, K., **Young, S.L.**, & Golding, J. (2020). Measuring the lifetime environment in LMICs: Perspectives from epidemiology, environmental health, and anthropology. In *Transforming Global Health*. K. Smith and P. Ram (Eds.). Springer Nature. pp. 19-34.
202. **Young, S.L.** (2017). Pica. In *Encyclopedia of Abnormal and Clinical Psychology*. Sage Publishing. pp. 2578-2579.
203. **Young, S. L.**, & Tuthill, E. (2017). Ethnography as a tool for formative research and evaluation in public health nutrition: illustrations from the world of infant and young child feeding. In *Research Methods for Anthropological Studies of Food and Nutrition*, J. Brett & J. Chrzan (Eds.). Bergahn Books. pp. 92-108.
204. **Young, S.L.**, Baker, S., Klemm, R. (2016). The power of people-centered nutrition interventions. In *Good Nutrition: Perspectives for the 21st Century*. Karger Press. pp. 197-208.
205. Weiser, S., Palar, K., Hatcher, A., **Young, S.**, Frongillo, E., Laraia, B. (2015). Food Insecurity and Health: A Conceptual Framework. In *Food Insecurity and Public Health*. L. Ivers (Ed.). CRC Press. pp. 23-50.
206. **Young, S.L.** (2015). Pica. In *The Oxford Companion to Sugar and Sweets*, D. Goldstein (Ed.). Oxford University Press. pp. 531-532.
207. **Young, S. L.** and G. H. Pelto. (2015). Evaluative Ethnography for Maternal and Child Nutrition Interventions. In *Ethnographic Research in Maternal and Child Health*, F. Dykes and R. Flacking (Eds.). pp. 157-178.

208. **Young, S.L.** (2015). Pica: A biocultural approach to curious and compelling cravings. In *Understanding and Applying Medical Anthropology*, P. Brown & S. Closser (Eds.). pp. 58-72.
209. **Young, S. L.** and G. H. Pelto. (2011). Core Concepts in Nutritional Anthropology. In *Nutritional Health: Strategies for Disease Prevention*. T. Wilson and N. Temple (Eds.). Humana Press. pp. 523-537.
210. **Young S.L.** (2007). Evidence for the Consumption of the Inedible: Who, what, when, where, and why. In *Consuming the Inedible: Cross-disciplinary approaches*. J. MacClancy, J. Henry, and H. MacBeth (Eds.). Berghahn Press. pp. 17-30.
211. **Young, S. L.** (2007). A Vile Habit? The Potential Biological Consequences of Geophagia, with special attention to iron. In *Consuming the Inedible: Cross-disciplinary approaches*. J. MacClancy, J. Henry, and H. MacBeth (Eds.). Berghahn Press. pp. 67-79.
212. **Young, S. L.** and G. H. Pelto. (2005). Core Concepts in Nutritional Anthropology. In *Nutritional Health: Strategies for Disease Prevention*. T Wilson and N. Temple (Eds.). Humana Press. pp. 425-437.

POLICY BRIEFS & REPORTS

213. **Young, SL**, Bose, I., Miller, J. D., Pascavis, K., Alzarez, K., Barstow, C., Boller, M., Brogan, J., Collins, S., Connors, K., Durham, T., Frongillo, E.A., Gaitán-Rossi, P., García, O. P., Marks, S., Melgar-Quinonez, H., Miller, S., Mundo-Rosas, V., Muñoz-Espinosa, A., Ndege, G., Otieno, I, Pérez-Escamilla, R., Rodas, S., Salles-Costa, R., Sarker, M. R., Shamah-Levy, T., Thuo, S., Webster, J., Yeye, V. (2024) "The Water Insecurity Experiences (WISE) Scales: A Manual for Implementation and Analysis of People's Experiences with Water". Institute for Policy Research, Northwestern University, Evanston, Illinois. <https://doi.org/10.21985/n2-20sc-f113>
214. **Young SL**, Bethancourt HJ, Bose I, Frongillo EA. (2024) Water Insecurity Experiences (WISE) Country Profiles: Based on nationally representative data from 40 Low-, Middle-, and High-income countries. Evanston: Institute for Policy Research; 2024. Available from: <https://doi.org/10.21985/n2-avk4-9932>
215. Sarker MR, Joshi D, and **Young SL**. 2024. "Measuring Agricultural Water Insecurity Experiences (AgWISE): AgWISE Module and User Guide Based on Fieldwork in Bangladesh," September. <https://hdl.handle.net/10568/152391>
216. **Young, SL**, Miller J, Bose I. (2024). Impact Report: Measuring human experiences to advance safe water for all". Institute for Policy Research, Northwestern University, Evanston, Illinois. <https://doi.org/10.21985/n2-xvrr-7693>. See accompanying video of the report launch at Gallup Offices at the Shard, London: <https://www.youtube.com/watch?v=ipBXHhjLLXY>
217. United Nations Standing Committee on Nutrition. Ringler, C., Dias, P., Chase, C., Choufani, J., Lundqvist, J., Barron, J., Dickens, C., Mateo-Sagasta, J., McCartney, M., **Young, S.L.**, & de Souza, M. (2020). Water and nutrition: Harmonizing actions for the United Nations Decade of Action on Nutrition and the United Nations Water Action Decade. <https://www.unscn.org/uploads/web/news/document/Water-Paper-EN-WEB-2mar.pdf>
218. Slaymaker, T., Johnston, R., **Young, S.L.**, Miller, J.,* & Staddon, C. (2020). Detailed Review of a Recent Publication: An innovative measure of the experience of water insecurity can help identify vulnerable households and evaluate interventions. *UNC Water Institute - WaSH Policy Research Digest*. https://waterinstitute.unc.edu/files/2020/07/Issue_15_final.pdf

CLINICAL GUIDELINES

219. **Young, S.L.** and Cox, J. (2015, revised 2018, 2020, 2023) UptoDate entry on Pica. UptoDate is a subscription medical reference used by 1,100,000 million clinicians in 180 countries and almost 90% of academic medical centers in the United States. *Recognized as "Outstanding Author" for 2016.

OPEDs & BLOGS

220. Miller J, Gaitán-Rossi P, **Young S.L.** (2024) From Tap to Table: Why Water Security Matters for Food Security. SDG2 Advocacy Hub. <https://sdg2advocacyhub.org/latest/from-tap-to-table-why-water-security-matters-for-food-security/>
221. Gaitán-Rossi P, **Young, S.L.**, Melgar-Quinonez, H. (2023) Unlocking Sustainable Solutions: Transforming Water Security in Latin America and Beyond. *Inter-American Development Bank*. <https://blogs.iadb.org/agua/en/unlocking-sustainable-solutions-transforming-water-security-in-latin-america-and-beyond/>
222. **Young, S.L.** (2022) Invisible no more— Bringing a Human Voice to Water Insecurity. *Newsweek*. <https://www.newsweek.com/invisible-no-more-bringing-human-voice-water-insecurity-opinion-1757132>
223. **Young, S.L.** & Lucks, J.B. (2021). What's Really in Your Water? Rapid at-home tests for contaminants are on the way. *Scientific American*. <https://www.scientificamerican.com/article/whats-really-in-your-water/>
224. Miller, J.* & **Young, S.L.** (2020). 'Wash your hands and stay home' is impossible for millions. *The Hill*. <https://thehill.com/opinion/civil-rights/494854-wash-your-hands-and-stay-home-is-impossible-for-millions/>
225. Rzepa, A., **Young, S.L.**, Makariagakis, A. (2020) Monitoring the World's Water Access and Use. *Gallup*. <https://news.gallup.com/opinion/gallup/320825/monitoring-world-water-access.aspx>
226. **Young, S.L.** (2019). The risks of water insecurity. *Scientific American*. <https://blogs.scientificamerican.com/observations/the-risks-of-water-insecurity/>
227. **Young, S.L.** (2019). How often do you worry about water? *U.S. News & World Report*. <https://www.usnews.com/news/best-countries/articles/2019-03-20/commentary-a-better-way-to-measure-household-water-insecurity>
228. **Young, S.L.** (2018). US water security falls short. *The Hill*. <https://thehill.com/opinion/energy-environment/417229-us-water-security-falls-short>

DISSERTATION & THESES

229. Young, S.L. (2008). A biocultural study of the relationship between pica and anemia. PhD Dissertation in Nutritional Sciences. Cornell University.
230. Young, S. L. (2002). "Listen, Without Blood There is No Life": An ethnography of anemia during pregnancy in Pemba, Zanzibar. MA Thesis in Medical Anthropology. University of Amsterdam.
231. Young S. L. (1999). Religious Conversion by Dogon Women: A strategy for reproductive success? BA Honors Thesis. University of Michigan.

PROFESSIONAL TALKS

INVITED LECTURES

- 2026 Loyola University: the Bauman Lecture; Notre Dame University: Just Transformations to Sustainability Initiative Seminar; World Bank Nutrition Group;
- 2025 Invited lectures at: Hope College: the Visscher Lecture, with Julius Lucks; The Field Museum: Keynote at the Women in Science Luncheon; Northwestern University: Keynote at the Science Policy Outreach Taskforce Annual Symposium; the Maternal, Parental and Infant Nutrition and Nurture (MAINN) Conference, UK: Keynote at the Annual Conference; Japanese International Cooperation Agency; Shahadi Maji; Action Against Hunger; EAWAG-Swiss Water Institute, Switzerland, with Julius Lucks.
- 2024 Invited lectures at: International Water Management Institute; University of Cambridge, Department of Biological Anthropology; UNESCO & World Food Program, Nairobi; University of Edinburgh; Pennsylvania State University; Northwestern Alumni Association, Chicago & Beijing; Action Against Hunger; Walder Foundation; African Union; Water Research Australia; Zurich Environmental Humanitarian Emergencies; Korea International Water Week UNESCO Special Session on Water and Gender; Environmental Protection Agency; Office of Research Town Hall.

2023 Invited lectures at the Cornell University Division of Nutritional Sciences; University of New South Wales, Australia; The George Institute, Sydney, Australia; Water Research, Australia: UN Water; Foreign Policy Climate Summit; Northwestern University Regents, Northwestern University Parents Weekend; United States Department of Agriculture; the Pacific Institute; University of Buffalo; World Association for Public Opinion Research.

2022 Invited briefings on the Water Insecurity Experiences (WISE) Scales to: The Gap, Water.org, UNICEF's Multiple Indicator Cluster Survey, Heineken, Xylem, Scottish Whisky Association, Asian Development Bank, Inter-American Development Bank, BRAC, Indigo, Stone Family Foundation, UN Economic Commission for Africa, US Agency for International Development, GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), Indonesian Ministry, World Resources Institute, World Bank, One Drop Organization, Helvetas, Heaven Hill, Pernod Ricard, United States Department of Agriculture, Japan International Cooperation Agency, Stone Family Foundation, Chicago Metropolitan Water Reclamation District.

2022 Invited lectures to the Northwestern Alumni Association; University of California Davis, Department of Nutrition; Xylem Innovation Challenge; CDC's NOPREN working group.

2021 "Conversations with the Dean" <https://news.weinberg.northwestern.edu/2021/03/25/conversation-with-dean-featuring-sera-young/>

2021 German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety. Expert Roundtable "Turning the tide on data— How to collect, analyze and act on data through a multi-sector perspective?"

2020-2021 Invited briefings on the Household Water Insecurity Experiences Scale and the Individual Water Insecurity Experiences Scale to the UN's Food and Agriculture Organization, USAID, Oxfam, REACH, the International Food Policy Research Institute, Capitol Hill, World Bank, International Water Management Institute, Reckitt Group, Danaher, Unilever, UNICEF, International Food Policy Research Institute, Global Water Partnership, UNESCO, FCDO, WaterAid, GAIN, 2030 Water Resources Group, Xylem, Millennium Water Alliance, WaterAid, Water.org, Water Keepers.

2019 Invited presentations to USAID, USDA, UK AID, Oxfam-GB, Millennium Challenge Corporation, International Food Policy Research Institute, Rotary International, and World Bank. "The Household Water Insecurity Experiences (HWISE) Scale: A cross-culturally valid tool for the measurement of water insecurity."

University of Chicago Science Policy Group, Panel on Water Security in Chicago with MWRD Commissioner Debra Shore, 2019

Shirley Ryan "Learning for Life" Lecture, 2018.

Royal Geographic Society, London, UK, 2018. "The Household Water Insecurity (HWISE) Scale: a 'look under the bonnet'". Related: <https://www.rgs.org/geography/advocacy-and-impact/impact/hwise/>

University of Cape Coast, Ghana, 2018. "The links between household water insecurity and food insecurity in sub-Saharan Africa (and the story behind how this work was funded)"

United States Agency for International Development, 2017. "The Household Water Insecurity Experiences (HWISE) Scale: A cross-culturally valid tool for the measurement of water insecurity."

United Nations Commission on the Status of Women, 2017. "Food security in the first 1,000 days".

Buffett Institute, NICO, and Institute for Policy Research, 2019. "The Household Water Insecurity Experiences (HWISE) Scale: A cross-culturally valid tool for the measurement of water insecurity."

Northwestern University, 2019. "The power of breastfeeding."

Workshop on Globalization, Northwestern University, 2018. "Health Effects of Globalization."

Third Annual Symposium on Water in Israel and the Middle East, Northwestern University, 2018. "The Economic, Health, and Psychosocial Consequences of Household Water Insecurity."

Microgrids Symposium, Northwestern University, 2018. "Realizing the human benefits of improved energy access." <https://bit.ly/2rI2VC4>

Northwestern University Dumas Domain Dinner, 2017. "Water Insecurity: Understanding its Consequences and Identifying Solutions."

Third Coast Center for AIDS Research. "'If I Can't Eat, How Can I Feed?': Food Insecurity, HIV, and Maternal and Child Health."

Program in African Studies & Institute for Policy Research, Northwestern University. October 2017. "Why is Food Insecurity So Harmful in the First 1,000 Days of Life? Findings from East Africa."

Emory University, 2015. "If I can't eat, how can I feed?": Food and water insecurity, HIV, and maternal and child health."

University of California, San Francisco, 2012, Reproductive Infectious Diseases Seminar. "Current knowledge and future research areas on infant feeding in the context of HIV: Basic, clinical, behavioral, and programmatic perspectives." <http://bit.ly/LVfJcw> and <http://db.tt/Uww3XHRH>

Cornell University, 2011. "Chats in the Stacks: Craving Earth." <http://www.youtube.com/watch?v=-KX2bwGAxuM>

Touro University, Mare Island, California. 2010, 2011.

University of California, Davis Medical Center. Grand Rounds: Pediatrics. 2008.

University of California, San Francisco. "Local health meets global health group. 2008.

University of Illinois, at Chicago. Department of Anthropology. 2007.

WEBINARS

Just Water Alliance (Australia), 2025. "Measuring Water Insecurity Experiences in Latin America and the Caribbean: Local and Global Lessons for Science, Public Health, and Policy", 2025. <https://www.justwateralliance.org/events/event-one>

NU Corporate Engagement. "Innovations in Water Security at Northwestern from Engineering to Global Health", 2025. <https://corporate.northwestern.edu/news/news-and-engagements/2025/innovations-in-water-security.html>

Conference of Parties (COP) 28, Dubai, UAE, 2023. "If climate change is a shark, water is the shark's teeth." <https://www.youtube.com/watch?v=XDEvyx0BphA&t=26426s>

London School of Hygiene and Tropical Medicine, 2024. Leverhulme Lecture: "Making the invisible, visible: Quantifying human experiences with water to improve public health" <https://lshtm.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=ff63aa28-5197-4927-85d1-b0d000a515a0>

Center for Strategic and International Studies, 2024. "Living the Global Water Crisis" <https://www.youtube.com/watch?v=vOWiuGuMCus>

Nature Water, 2023. "Nature Water Talks: Water and Food: In Celebration of World Food Day" <https://cassyni.com/events/FHEVheEyoZ6YQPCpzusid?aqlcz>

University of New South Wales, The London School of Hygiene & Tropical Medicine, and Resilience Center Kenya, 2023 "Pathways between climate change, water security and mental health" <https://www.youtube.com/watch?v=Qi6noWgQ3Ng>

Foreign Policy Climate Summit, 2023 <https://foreignpolicy.com/events/fp-climate-summit-2023/>

UN Water, 2023. "Water and Nutrition. Harmonizing Actions between the Water and Nutrition Decade" <https://www.iatp.org/watch-water-nutrition-harmonizing-actions>

UN Water, 2023. "Global to local water security assessment: how do we measure up and how close are our targets mid-way to SDG6?" <https://media.un.org/en/asset/k1o/k1orou91lo>

American Society for Nutrition, 2020. "Household Water Insecurity and its Importance for Ensuring Food, Nutrition and Well-being." <https://ondemand.nutrition.org/s/2020an/annual/ASN20-27>

Engineering for Change, 2019. "A tool to measure household water insecurity globally." <https://www.engineeringforchange.org/webinar/measuring-worlds-water-insecurity/>

IMMANA, 2019. "A cross-culturally equivalent measure of household water security: experiences in scale development and implementation from 30 sites worldwide." <https://www.youtube.com/watch?v=juTDN7YGbCs&t=12s>

International WaTERS Webinar, 2018. "'You are alert all the time just in case you hear rumors that there is water somewhere': Lived experiences of water insecurity during pregnancy and lactation in western Kenya." <https://bit.ly/2wHr9S5>

SELECT CONFERENCE PRESENTATIONS

(**Graduate/medical student advisee, *Undergraduate advisee, ^Post-doctoral advisee)

Ouner, J., Getahun, M., Thompson, R. G. A., Okiring, J., Neilands, T., Benmarhnia, T., Aborigo, R., Afaya, A., Yeboah, I., **Young, S. L.**, & Weiser, S. (2026). Associations of water insecurity and food insecurity with HIV treatment outcomes: Baseline findings across Ghana's diverse regions. Podium presentation at the Consortium of Universities for Global Health (CUGH) Annual Conference, Washington, DC, April 9–12, 2026. (*One of only 54 selected, of the 1200 submitted.)

Stockholm World Water Week' 2025. Advancing Water Security in Africa Using Experiential (WISE) Data. <https://www.youtube.com/watch?v=78kDo7RLBZk>

Young SL. World Food Day celebration. UN Food and Agriculture Organization, October 2023.

Young, SL. "Asian Development Bank: Gender Inclusion Roundtable" Stockholm Water Week, August 2023.

Young, SL. "Innovative experiential WASH indicators for advancing SDGs across sectors" Stockholm Water Week, August 2023.

Young, SL. "Feminist Water Agenda: Rethinking Discourses on Women and Water" Stockholm Water Week, August 2023.

Bethancourt H[^], Frongillo E, **Young SL.** Global Health Insights from Experiential Measures of Water Insecurity. Gallup World Poll Global Insights, October 2022.

Bethancourt H[^], Frongillo E, **Young SL.** "Household water insecurity is positively associated with household food insecurity in low- and middle-income countries." UNC Water Institute, October 2022. Oral session.

Tallman P, Workman C, Brogan J, Steiner C, Miller J, Bethancourt H, **Young S.** "Measuring human experiences with water to reveal disparities, inform policy, and prioritize action: The Water Insecurity Experiences Scales" UNC Water Institute, October 2022. Side event.

Thavarajah W, Mbullo PM^{**}, Awuor DR, Kiprotich K, Aggarwal R^{*}, Lucks JB, **Young SL.** "The accuracy and usability of point-of-use fluoride biosensors: a field study in Nakuru County, Kenya. UNC Water Institute, October 2022. Oral session.

"Valuing human experiences with water to reveal disparities, prioritize action" and "Water Security Data: going beyond collection to making impact". Stockholm World Water Week, Sweden, August 2022. Oral session.

With Asian Development Bank "Mainstreaming Water and Sanitation Resilience Where It Matters Most: Supporting Water and Sanitation Entities on the Ground in Asia and the Pacific; Pinpointing WASH resilience needs by measuring human experiences with water". Bangkok, Thailand, August 2022. Oral session.

"The Water Insecurity Experiences Scales" World Water Forum, Senegal, July 2022.

Bethancourt H[^], Frongillo E, **Young SL.** "Water Insecurity is Positively Associated with Food Insecurity in Low- and Middle-Income Countries". American Society for Nutrition, June 2022.

Bethancourt H[^], Frongillo E, **Young SL.** "Water Insecurity is Positively Associated with Food Insecurity in Low- and Middle-Income Countries". International Fund for Rural Development. Rome, May 2022. Oral Session.

Young SL, Bethancourt H[^], Melgar-Quinonez H, Frongillo, E. Experiences of water insecurity in half the world's population. UNC Water Institute, October 2021. Oral session.

Young SL, Bethancourt H[^], Melgar-Quinonez H, Frongillo, E. Benchmarking water security experiences globally: implications for health and food. Stockholm World Water Week, August 2021. Invited session.

Bethancourt H[^], Frongillo E, **Young S**. Water Insecurity Is Prevalent and Associated With Constrained Food Choices in Low- and Middle-Income Countries. American Society for Nutrition, June 2021.

Miller JM, **Young SL**, Bryan E, Ringler C. Household water insecurity is common and associated with higher odds of hunger and lower dietary diversity across households in rural sub-Saharan Africa and Nepal. American Society for Nutrition, June 2021.

Rickman R, Lane C, Collins S, Miller J, Nichols A, Foster S, **Young, S.L.**, et al. Disentangling the Role of HIV Exposure on Linear Growth Among Mother-Infant Dyads in Western Kenya: A Comparison of Three Growth Models. American Society for Nutrition, June 2021.

Hannah, D., Krause, S., **Young, S.L.**, et al. Handwashing and water security in the context of a pandemic. Session ITS1.1/NP0.2 European Geosciences Union 2021.

Bakker, K., Edwardes, A., Mondardini, R., **Young, S.L.**, et alia. How big data, citizen science data, and survey data can be effective in monitoring progress and decision-making around SDG 6 (ensuring availability and sustainable management of water and sanitation for all). United Nations World Data Forum. Bern, Switzerland. October 2020. (Oral session)

Young, S. L. et alia. Metropolitan & Household Water Insecurity: Novel Tools for Achieving SDG 6. Stockholm World Water Week. Stockholm, Sweden. September 2020. (Oral session) <https://www.ipr.northwestern.edu/our-work/research-tools-apps/water-insecurity/index.html>

Miller, J.M.* & **Young, S.L.** The Household Water Insecurity Experiences (HWISE) Scale: Implications for Nutrition & Agriculture. Water Scarcity in Agriculture at the Food and Agriculture Organization. Rome, Italy. September 2020. (Oral presentation)

Young, S.L., Rosinger, A., Jamaluddine, Z., & Ringler, C. Household Water Insecurity and its Importance for Ensuring Food, Nutrition and Well-Being. American Society for Nutrition. June 2020. (Plenary session)

Young, S.L. & Staddon, C. The Household Water Insecurity Experiences Scale: a simple questionnaire for generating high-resolution data on water security. Cairo Water Week. Cairo, Egypt. October 2019. (Oral presentation)

Young, S.L., Whinner, J., Miller, J.,* Staddon, C., & HWISE Research Coordination Network. Development of a cross-culturally validated scale to measure household water insecurity experiences and implementation in urban, cholera-prone areas of Lusaka, Zambia. Water and Health Conference. Chapel Hill, NC. October 2019. (Oral presentation)

Young, S.L. Development and testing of a household water insecurity measure that is equivalent across countries. Agriculture, Nutrition & Health Academy Annual Meeting. Hyderabad, India. June 2019. (Oral presentation)

Balka, S.,* Santoso, M.V.,** Bezner Kerr, R., & **Young, S.L.** A Participatory Investigation of Dietary Diversity Amplifies Knowledge Coproduction and Participant Involvement in an Agroecological Intervention in Rural Tanzania. American Society for Nutrition. Baltimore, MD. June 2019. (Oral presentation)

Santoso, M.V.,** Bezner Kerr, R., Kassim, N., Martin, H., Mtinda, E., Mtei, K., & **Young, S.L.** Production Diversity, Men's Help with Household Tasks, & Lower Women's Depression Mediate Impact of an Agriculture Intervention on Child's Dietary Diversity in Tanzania. American Society for Nutrition. Baltimore, MD. June 2019. (Oral presentation)

Wang, M.,* Miller, J.,* Collins, S.,** Santoso, M.V.,** Wekesa, P., Onono, M., Gandhi, M., & **Young, S.L.** Increased Social Support Mitigates the Negative Impact of Food Insecurity on Antiretroviral Adherence Among Postpartum Women in Western Kenya. American Society for Nutrition. Baltimore, MD. June 2019. (Poster presentation)

Cramer, J., Jallow, M., Miller, J.D.,* & **Young, S.L.** Geophagy in The Gambia: An exploration of the motivators for eating earth among men and women. Human Biology Association. Cleveland, OH. March 2019. (Poster presentation)

Benzaken, C.,* Miller, J.D.,* Smith, A., & **Young, S.L.** Higher maternal depression is associated with lower vaccination adherence among infants in western Kenya. Human Biology Association. Cleveland, OH. March 2019. (Poster presentation)

Young, S.L. & HWISE RCN. Development & Uses of a Transdisciplinary Scale To Measure Household Water Insecurity. AAAS. Washington, DC. February 2019. (Oral presentation)

Murnane, P., Miller, J.,* Collins, S.,** Neilands, T., Cohen, C., Laudenslager, M., Weiser, S., Onono, M., & **Young, S.L.** Food insecurity is associated with postpartum stress in Kenyan women of mixed HIV status. AIDS Conference. Amsterdam, Netherlands. July 2018. (Poster presentation.)

Harris, J.,* Santoso, M.,** Bezner Kerr, R., Kassim, M., Mollay, C., Martin, H., Mtei, K., Kalonga, J., Mtinda, E., & **Young, S.L.** A Women's Hours of Household and Non-farming Work, But Not Agriculture Work, is Positively Associated with Child's Dietary Diversity Scores in Rural Tanzania. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. **Finalist for the American Society for Nutrition's Emerging Leaders in Global Nutrition Poster Competition (Poster presentation)

Lin, A.,* Santoso, M.,** Collins, S.,** Bezner Kerr, R., Kassim, M., Mollay, C., Martin, H., Mtei, K., Kalonga, J., Mtinda, E., & **Young, S.L.** He said, she said: intra-household disparities in water insecurity experiences between men and women in Tanzania. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. (Poster presentation)

Smith, S.,* Santoso, M.,** Bezner Kerr, R., Kassim, M., Mollay, C., Martin, H., Mtei, K., Kalonga, J., Mtinda, E., & **Young, S.L.** Timely participatory dissemination improves study implementation and data interpretation: lessons from an agriculture and nutrition participatory study in Tanzania. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. (Poster presentation)

Olmos, S.,* Santoso, M.,** Garigipati, P.,* Benzaken, C.,* Beck, A.,* Umuhire, E.,* & **Young, S.L.** Systematic literature review of the relationship between women's empowerment and child nutrition indicates women's empowerment is important but poorly defined and measured. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. (Poster presentation)

Hassan, B.,* Santoso, M.,** Bezner Kerr, R., Kassim, M., Mollay, C., Martin, H., Mtei, K., Kalonga, J., Mtinda, E., & **Young, S.L.** Male attendance at antenatal care clinic visits is not associated with involvement in childcare of child dietary diversity in Singida, Tanzania. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. (Poster presentation)

Clark, K.,* Santoso, M.,** Miller, J.,* Collins, S.,* Onono, M., & **Young S.L.** Food insecurity is positively associated with infant morbidity symptoms at three months of age in Nyanza, Kenya. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. (Poster presentation)

Santoso, M.,** Bezner Kerr, R., Kassim, M., Mollay, C., Martin, H., Mtei, K., Kalonga, J., Mtinda, E., & **Young, S.L.** Food insecurity exacerbates depression among women more than among men in rural Tanzania. American Society of Nutrition Annual Meeting. Boston, MA. June 2018. **Finalist for the American Society for Nutrition's Emerging Leaders in Global Nutrition Poster Competition at ASN (Oral presentation)

Santoso, M.,** Bezner Kerr, R., Kassim, M., Mollay, C., Martin, H., Mtei, K., Kalonga, J., Mtinda, E., & **Young, S.L.** A Participatory Agroecological Intervention Amongst Rural Tanzanian Farmers Increases Crop Diversity, Food Security, and Maternal Dietary Diversity: A Midline Evaluation. Agriculture for Nutrition and Health Academy Week. Accra, Ghana. June 2018. (Oral presentation)

Young, S.L. & HWISE Research Coordination Network. Development and testing of a household water insecurity measure that is equivalent across countries. Agriculture for Nutrition and Health Academy Week. Accra, Ghana. June 2018. (Oral presentation)

Young, S.L. & Miller, J.* Medicine beneath your feet: A biocultural examination of the risks and benefits of geophagy. Clay Minerals Society. Urbana-Champaign, IL. June 2018. (Oral presentation)

Young, S.L. & Miller, J.* The Household Water Insecurity Experiences (HWISE) Scale: A Cross-Culturally Valid Tool for the Measurement of Household-Level Water Insecurity. Agricultural & Applied Economics Association Annual Meeting. Washington, D.C. June 2018. (Oral presentation)

Young, S.L. "You are alert all the time just in case you hear rumors that there is water somewhere": Lived experiences of water insecurity during pregnancy and lactation in western Kenya. American Anthropological Association. Washington, D.C. November 2017. (Oral presentation.)

Blacker, L.*, Santoso, M.V.** , Harnett, L.* , Kassim, N., Mollay, C., Martin, H., Mtinda, E., Mtei, K., Kalonga, J., Bezner Kerr, R., **Young, S.L.** Household food insecurity and gender inequity are associated with high prevalence of maternal depression amongst female farmers in rural Tanzania. Experimental Biology. Chicago, IL. April 2017. **Received Second Place in the American Society for Nutrition's Emerging Leaders in Nutrition Poster Competition (Poster presentation.)

Collins, S.M.** , Miller, J.D.* , Mbullo, P., Boateng, G.O.^ , Wekesa, P., Onono, M., **Young, S.L.** "You take the cash meant for beans and you buy water" : The multi-faceted consequences of water insecurity for pregnant and postpartum women of mixed HIV status. Experimental Biology. Chicago, IL. April 2017. (Poster presentation.)

Boateng, G.O.^ , Onono, M., Collins, S.M.** , Baughan, E.* , Wekesa, P., Familiar, I., Widen, E.M., **Young, S.L.** Early childhood learning activities buffer adverse effects of HIV exposure on infant cognitive development: a longitudinal study. Experimental Biology. Chicago, IL. April 2017. (Poster presentation.) **Received First Place in the American Society for Nutrition's Emerging Leaders in Nutrition Poster Competition

Boateng, G.O.^ , Collins, S.M.** , Mbullo, P., Wekesa, P., Krumdieck, N.R., Johnson, M., Onono, M., Neilands, T.B., **Young, S.L.** A novel tool for the assessment of household water insecurity: scale development and validation in western Kenya. Experimental Biology. Chicago, IL. April 2017. (Poster presentation.)

Collins, S.M.** , Widen, E.M.^ , Santoso, M.V.** , Martin, S.L., Hoke, M.K., Tuthill, E.L.^ , Wekesa, P., Boateng, G.O.^ , Onono, M., **Young, S.L.** Biological and psychosocial determinants of sustained exclusive breastfeeding among women of mixed HIV status in Western Kenya. Human Biology Association. New Orleans, LA. April, 2017. (Poster presentation.)

Miller, J.* , Boateng, G.^ , Collins, S.** , Wekesa, P., Onono, M. **Young, S.L.** Perinatal geophagy is associated with HIV and anemia among women in western Kenya. Human Biology Association. New Orleans, LA. April 2017. (Poster presentation.) **Won Hilde Spielvogel Award for Outstanding Presentation by an Undergraduate Student

Boateng, G.O.^ , Onono, M., Baughan, E.* , Collins, S.M. **, **Young, S.L.** Food insecurity and HIV exposure are deleterious to infant cognitive development. Human Biology Association. New Orleans, LA. April 2017. (Oral presentation.)

Pebsworth, PA. **, **Young, SL.**, Huffman, MA. Can geophagy alter the feeding ecology of non-human primates?: A systematic literature review. The International Primatological Society and the American Society of Primatologists. Chicago, IL. August 2016. (Oral presentation.)

Familiar, I., Collins, S. **, Sikorskii, A., Ruisenor, H., Achidri, D., Achola, H., Onen, D., Boivin, M., **Young, SL.** Predictors of neurocognitive outcomes among a cohort of 12-month old infants from Uganda of mixed HIV exposure. The International AIDS Conference. Durban, South Africa. July 2016. (Poster presentation.)

Widen, E. **, Collins, S. **, Wekesa, P., Krumdieck, N. **, Onono, M., **Young, SL.** Newly Diagnosed HIV is Associated with Lower Rates of Gestational Weight Gain and Loss of Mid-Upper Arm Circumference among Pregnant Kenyan Women. Experimental Biology. San Diego, CA. April 2016. (Oral presentation.)

Tsai, I.* , Krumdieck, N. **, Collins, S. **, Widen, EM. **, Wekesa, P., Onono, M., **Young, SL.** Food Insecurity is Associated with Depression and Stress Among a Cohort of Pregnant Kenyan Women of Mixed HIV Status. Experimental Biology. San Diego, CA. April 2016. (Poster presentation.) **Received Second Place in the American Society for Nutrition's Emerging Leaders in Nutrition Poster Competition

Miller, JD.*, Collins, S.**, Krumdieck, NR.**, Wekesa, P., Onono, M., **Young, SL**. Pica is Associated with Lower Hemoglobin Concentration in a Cohort of Pregnant Kenyan Women of Mixed HIV Status. Experimental Biology. San Diego, CA. April 2016. (Poster presentation.)

Hong, JJ.*, Martey, E.*, Dumas, SE.**, **Young, SL.**, Travis, AJ. Physical, Economic, and Social Limitations to Egg Consumption in Luangwa Valley, Zambia. Experimental Biology. San Diego, CA. April 2016. (Poster presentation.)

Maranga, A.*, Dumas, SE.**, Mbullo, PE., Wekesa, P., Collins, S.**, Onono, M., **Young, SL**. Perceived Benefits of Livestock Ownership among Female Smallholder Farmers of Mixed HIV Status in Nyanza Province, Kenya. Experimental Biology. San Diego, CA. April 2016. (Oral and poster presentations.) **Received First Place in the American Society for Nutrition's Emerging Leaders in Nutrition Poster Competition

Martin, S., Collins, S.**, Natamba, BK.**, Achidri, D., Widen, EM.**, **Young, SL**. Perceived breastmilk insufficiency and HIV are key predictors of exclusive breastfeeding at 1 and 3 months among mothers in northern Uganda. Experimental Biology. San Diego, CA. April 2016. (Oral and poster presentations.)

Krumdieck, N.**, Collins, S.**, Wekesa, P., Onono, M., **Young, SL**. Just how much household water insecurity do pregnant Kenyan women of mixed HIV status experience?: The need for a validated scale. Water and Health Conference: Where Science Meets Policy, UNC Chapel Hill. October 2015. (Poster presentation.)

Williams, A.,** Chantry, C., **Young, S.L.**, Null, C., Stewart, C. Breastmilk Vitamin B12 Concentration are inadequate, but are not associated with reported recent animal source food or vitamin B12 intake among lactating women in rural Kenya. Academy of Breastfeeding Medicine, Los Angeles CA. October 2015. (Oral presentation.)

Young, SL, Koss, C., Natureeba, P., Plenty, A., Charlebois, E., Nyafwono, D., Clark, T., Cohan, D., Kamya, M., Havlir, D. Food insecurity is associated with lack of sustained viral suppression among HIV-Infected pregnant and breastfeeding Ugandan women." AIDS Impact. Amsterdam, the Netherlands. July 2015. (Oral presentation.)

Collins S,** Natamba BK,** Arbach A,** Widen EM,** Desai P,* Khan H,* Griffiths JK, **Young SL**. Alcohol Use Among Pregnant Ugandan Women of Mixed HIV Status is Associated with Social Environment and Food Insecurity. Experimental Biology. Boston, MA. March 2015. (Poster presentation.)

Dumas SE,** Oyier B, Otticha S, Arbach A,** Zheng A,* Desai P,* Khan H,* Onono M, **Young SL**. Perceived Causes and Consequences of Food Insecurity During Pregnancy and Lactation among Kenyan Women of Mixed HIV Status. Experimental Biology. Boston, MA. March 2015. (Poster presentation.)

Natamba BK,** Mehta S, Mou S,* Ghosh S, Stoltzfus RJ, Griffiths JK, **Young SL**. Social Support Modifies Bidirectional Linkages Between Food Insecurity and Prenatal Depressive Symptoms while Domestic Violence Alters the Unidirectional Impact of Food Insecurity on Prenatal Depressive Symptoms. Experimental Biology. Boston, MA. March 2015. (Oral presentation.)

Roy A,** Fuentes-Afflick E, Fernald L, **Young SL**. Pica is prevalent and strongly associated with iron deficiency, but not anemia, among Mexican-born pregnant women living in the United States. Experimental Biology. Boston, MA. March 2015. (Poster presentation.)

Santoso MV,** Larkin H,* Chung YB, Ota V, Bezner Kerr RN, **Young SL**. Sub-Optimal Infant and Young Child Feeding (IYCF) Practices in Singida, Tanzania are Associated with Food Insecurity. Experimental Biology. Boston, MA. March 2015. (Poster presentation.)

Schuster RC,** de Sousa O, Reme A, Pinault D, **Young SL**. Evaluative ethnography is useful for understanding the impact pathways of performance- based incentives on health worker motivation. Experimental Biology. Boston, MA. March 2015. (Poster presentation.)

Widen EM,** Natamba BK,** Collins S,** Khan H,* Sirotn N, Ghosh S, Griffiths JK, **Young SL**. Maternal Food Insecurity is Associated with Loss of Fat, but not Lean Mass during Lactation among Ugandans of Mixed-HIV Status. Experimental Biology, Boston, MA. March 2015. (Oral presentation.)

Williams, A.,** Chantry, C., **Young, S.L.**, Null, C., Stewart, C. Breastmilk Vitamin B12 Concentration is Low among Women in Western Kenya and is Not Associated with Animal Source Food Intake or Food Insecurity. Experimental Biology, Boston, MA. March 2015. (Poster presentation.)

Young, S.L., Dumas, S.,** Oyier, B., Otticha, S., Arbach, A.*, Zheng, A.*, Desai, P.*, Onono, M. Food insecurity during pregnancy and lactation: Kenyan women's experiences of vulnerability and strategies for resilience. Society for Applied Anthropology, Pittsburgh, PA, March 2015. (Oral presentation.)

Schuster RC,** de Sousa O., Vopelak C.,** McMahon D,* Pinault D., **Young SL**. The women have trust in me, and I try to live up to this trust: Health worker motivation and workplace characteristics among facility- and community-based health workers in rural Mozambique. American Public Health Association Annual Meeting, New Orleans, LA, November 2014. (Oral presentation.)

Schuster R.C.,** de Sousa O., Vopelak C.,** McMahon D.,* Pinault D, **Young SL**. Motivation and workplace characteristics among facility- and community-based health workers in rural Mozambique to inform a performance-based incentive intervention. Global Symposium on Health Systems Research, Cape Town, South Africa, September 2014. (Poster presentation.)

McDermid, J., Spraggan, V., Oyier, B., Otticha, S., Onono, M., **Young, S.L.** Appetite sensation scores and dietary intake of pregnant and lactating women in western Kenya. Experimental Biology, San Diego, CA, April 2014. (Poster presentation.)

Natamba, B.,** Oyok, T., Achan, J., Mou, S.,* Ghosh, S., Sirotin, N., Stoltzfus, R.J., Griffiths, J., **Young, S.L.** Maternal food insecurity, anemia, and social support are independently associated with prenatal depression among HIV-positive and -negative women attending antenatal services in northern Uganda. Experimental Biology, San Diego, CA, April 2014. (Poster presentation.)

Finkelstein, J., Plenty, A., Mehta, S., Natureeba, P., Clark, T., Kamya, M., Charlebois, E., Cohan, D., Havlir, D., **Young, S.L.** Anemia, vitamin B12, and folate statuses during pregnancy, and their association with obstetric outcomes among HIV-infected Ugandan women receiving ART. Experimental Biology, San Diego, CA, April 2014. (Poster presentation.)

Dickin, K., Seim, G.,* **Young, S.L.**, Wawire, S., Martin, L. Challenges and Facilitators for Implementing Prenatal Calcium Supplementation to Prevent Preeclampsia: Formative Research with Health Care Providers and Women in Kenya. Experimental Biology, San Diego, CA, April 2014. (Oral presentation.)

Tuthill, E.,** **Young, S.L.** Appropriate Methodologies for Mapping the Biocultural Determinants of Infant Feeding Practices in the Context of HIV in Limited-Resource Settings. American Anthropological Association, Chicago, IL, Nov 2013. (Oral presentation.)

Tuthill, E.,** McGrath, J., **Young, S.L.** Commonalities and differences in infant feeding attitudes and practices in the context of HIV in Sub-Saharan Africa: a Metasynthesis. AIDS Impact, Barcelona, Spain, October 2013. (Oral presentation.)

Jones, A.D., Ngure, F.M., Pelto, G., **Young, S.L.** What are we assessing when we measure food security?: A compendium and review of current metrics. First International Conference on Global Food Security. Noordwijkerhout, the Netherlands, September 2013. (Oral presentation.)

Powell, B., Bezner-Kerr, R., **Young, S.**, Johns, T. The importance of biodiversity for dietary diversity and nutrition: perspectives of small-scale farmers in rural Tanzania. Agriculture, Food, and Human Values Society. East Lansing, MI, June 2013. (Oral presentation.)

Lumish, R.,* **Young, S.L.**, Lee, S., Cooper, E, Pressman, E, O'Brien, K.O. Pica behavior is prevalent and associated with low iron status in pregnant adolescents. Experimental Biology, Boston, MA, April 2013. (Poster presentation.)

Nagata, J.M., Fiorella, K.J., **Young, S.L.**, Weiser, S.D., Bukusi, E.A., Cohen, C.R. Social determinants of BMI and food insecurity among adults living with HIV / AIDS in Nyanza Province, Kenya. University of California Global Health Day, University of California, Riverside, February 2013. (Poster presentation.)

Williams, A.,** Chantry, C., Geubbels, E., Ramaiya, A.,* Shemdoe, A., **Young, S.** Food insecurity is negatively associated with exclusive breastfeeding in Tanzania: a cross-sectional study among HIV-positive women. International AIDS Conference, Washington, D.C. July 2012. (Poster presentation.)

Young, S.L., Natamba, B.K.,** Luwedde, F.A., Plenty, A.H.J., Mwesigwa, J., Natureeba, P., Osterbauer, B., Achan, J., Clark, T.D., Ades, V. Nzarubara, B.K., Ruel, T.D. Kamya, M., Charlebois, E.D., Havlir, D.V., Cohan, D. Severe

household food insecurity is highly prevalent and associated with suboptimal breastfeeding practices among HIV-infected women in rural Uganda. International AIDS Conference, Washington, D.C. July 2012. (Oral presentation.)

Seim, G., Ahn, C., Bodis, M., Tako, E., Miller, D., Glahn, R., **Young, S.** The concentration of iron in Zanzibari geophagic earth is high but its in vitro bioavailability is low and it inhibits the bioavailability of dietary iron in an in vitro digestion/Caco-2 Cell model. 16th International Symposium on Iron Nutrition and Interactions in Plants, Amherst, MA June, 2012. (Poster presentation.)

Natamba, B.,** Robine, M.,* Luwedde, F., Mwesigwa, J., Natureeba, P., Osterbauer, B., Ades, V., Clark, T. Charlebois, E., Plenty, A., Havlir, D., Cohan, D., Achan, J., **Young, S.** Breastfeeding practices and beliefs among HIV+ pregnant and lactating women on antiretroviral therapy in rural Uganda indicate obstacles to following national guidelines. Experimental Biology, San Diego, CA April 2012. (Poster presentation.)

Seim, G.,* Ahn, C.,* Bodis, M., Tako, E., Miller, D., Glahn, R., **Young, S.** The concentration of iron in Zanzibari geophagic earth is high but its in vitro bioavailability is low and it inhibits the bioavailability of dietary iron in an in vitro digestion/Caco-2 Cell model. Experimental Biology, San Diego, CA April 2012. (Poster presentation.)

Phillips, E.L., Pelletier, D., Gervais, S., Stoltzfus, R., **Young, S.**, Michaud, L. Using Program Impact Pathways to Improve Anemia Reduction Programs. Experimental Biology, San Diego, CA April 2012. (Oral presentation.)

Phillips, E.L., Pelletier, D., Gervais, S., Stoltzfus, R., **Young, S.**, Michaud, L. The Use of Mixed Methods Evaluation for Effective Program Scale up. Experimental Biology, San Diego, CA April 2012. (Poster presentation.)

Cohan, D.L., **Young, S.L.**, Murray, K., Mwesigwa, J., Achan, J., Ades, V., Charlebois, ED, Ruel, T, Kamya, MR, Havlir, DV. Maternal Nutritional Status Predicts Adverse Birth Outcomes among HIV-infected Rural Ugandan Women Receiving Combination Antiretroviral Therapy. Abstract presented at CROI March, 2012. (Evaluated on Faculty of 1000: <http://f1000.com/14267262#eval15779446>) (Poster presentation.)

Achan J., Ikezeki G., Kakuru A., Murray K., **Young S.**, Havlir D., Kamya M., Charlebois E., Ruel T. HIV-infected Ugandan children suffer high rates of malnutrition and minimal recovery following the initiation of antiretroviral therapy. International AIDS Society, Rome, Italy. July, 2011. (Oral presentation.)

Chantry C.J., **Young S.**, Ngonyani M., Israel-Ballard K., Peerson, J., Nyambo, M., Rennie, W., Dewey, K.G. Feasibility of Flash-heating breastmilk to reduce maternal to child transmission of HIV. American Public Health Association. Denver, CO. November, 2010. (Poster presentation.)

Young, S.L., Chantry, C., Ngonyani, M., Israel-Ballard, K., Ash, D., Nyambo, M. Flash-heating breastmilk is feasible in Dar es Salaam Tanzania. International Congress of Nutrition. Bangkok, Thailand. October, 2009. (Poster presentation.) ** Selected as Distinguished Poster.

Nyambo, M., Ash, D., Ngonyani, M., **Young, S.L.**, Israel-Ballard, K., Chantry, C. Feasibility of Reducing MTCT-HIV by Flash-heating breast milk. Medical Women's International Association. Dar es Salaam, Tanzania. August, 2009. (Poster presentation.)

Young, S., Israel-Ballard, K., Leshabari, S., Maternowska, C., Turuka, E., Mallya, D., Maisho, C., Ash, D., Nyambo, M., Chantry, C. Flash-heating Breastmilk To Reduce MTCT-HIV: Successes And Challenges. Global Health Council. Washington DC, May 2009. ** Selected as part of the New Investigator in Global Health Program (Poster presentation.)

Chantry C.J., **Young S.**, Ngonyani M., Israel-Ballard K., Ash D., Nyambo M., 2009. Feasibility of Flash-heating breastmilk to reduce maternal to child transmission of HIV. Pediatric Academic Societies. Baltimore, MD May 2009. (Poster presentation.)

Young, S., Steinmetz, A., * Abrams, E.T. Are food aversions protective adaptations to pregnancy? American Anthropological Association. Philadelphia, PA. December 2009. (Co-chair of panel "Cravings and Aversions" with Crystal Patil). (Oral presentation.)

Young, S.L., Chantry, C., Ngonyani, M., Israel-Ballard, K., Ash, D., Nyambo, M. Flash-heating breastmilk is feasible in Dar es Salaam Tanzania. Experimental Biology. New Orleans, Louisiana, April 2009. (Poster presentation.)

Young, S.L., Ali S. M., Wilson, M.J., Hillier, S., Rasmussen, K.M., Stoltzfus, R.J. Pica is associated with pregnancy, anemia and gastrointestinal distress among Zanzibari women. Bloemfontein, South Africa, October 2008. (Oral presentation.)

Wilson, M. J., Hillier, S., **Young, S.L.** Clay Mineralogy of Geophagic Materials from Tanzania and Other Countries. 4th Mid-European Clay Conference, Zakopane, Poland, September 2008. (Oral presentation.)

Young, S.L., Hernandez Cordero, S., Branco Garcia, I., Bonvecchio Arenas, A., & Neufeld, L. M. Acceptability of three nutritional supplements among pregnancy and lactating women in Mexico. Experimental Biology, San Diego, CA, April 2008. (Poster presentation.)

Young, S. L., Goodman, D., Farag, T. H., Ali, S. M., Khatib, M. R., Khalfan, S. S. Tielsch, J.M., Stoltzfus, R.J. Geophagia is not associated with Trichuris or hookworm transmission in Zanzibar, Tanzania. Experimental Biology, Washington DC, April 2007. (Poster presentation.)

Young, S.L., J.B. Lucks, G.H. Pelto. Managing 1,472 articles on pica. Strategies for hypothesis testing with a comprehensive literature review. Society for Anthropological Sciences. Savannah, Georgia. February 2006. (Oral presentation.)

Young, S.L. *Safura* [anemia], the disease of earth-eating? An investigation of the relationship of iron status to pica in Zanzibar. International Commission on the Anthropology of Food. Oxford, England. June 2005. (Oral presentation.)

Young, S. L. Mapping the Cultural and Physiological Components of Anemia on Pemba Island, Zanzibar. American Anthropological Association, Nutritional Anthropology section. Chicago, IL, November 2003. (Oral presentation.)

Young, S. L. Religious Conversion by Dogon Women: A Tactic of the Weak? Conference of the Netherlands African Studies Association. Leiden, the Netherlands, September 2003. (Oral presentation.)

Young, S. L. Straight Edge: Youth rebellion or voice of social conscience? American Midwest Sociological Society. Chicago, IL, April 2000. (Invited oral presentation.)

Young, S. L. Dogon Women's Religious Conversion: A Strategy for improved reproductive success? American Anthropological Association, Anthropology of Religion. Philadelphia, PA, April 1999. (Oral presentation.)

LEAVE OF ABSENCE

Sabbatical. Visiting Fellow at Clare Hall, University of Cambridge, England & Leverhulme Visiting Professor at the London School of Hygiene and Tropical Medicine, England— 2023-2024.

PEER-REVIEW AND RELATED ACTIVITIES

Co-Editor-in-Chief, PLOS Water :: 2025-

Maternal and Child Nutrition :: Editorial Board 2017-present

Advances in Global Health :: Associate Editor 2021-2024

WHO/UNICEF JMP :: Virtual Expert Group on Enhanced Monitoring of Gender in relation to SDG WASH targets 2021

Society for Applied Anthropology :: Nominations Committee 2016-2020, Chair 2019-2020; Malinowski Award Selection Committee 2015-2020, Chair 2018-2019

NIH review panel :: PAR-DK-19-019: AIDS and AIDS-Related Research— 2020

Sir Henry Wellcome (UK):: Post-doctoral Fellowships Panel— 2020

Innovative Metrics in Agriculture and Nutrition (IMMANA) (UK):: Grant Review Panel — 2020, 2021

French National Institute for Agricultural Research :: Post Agreen Skills Fund— 2020

Society for the Anthropology of Food and Nutrition :: Vice-President — 2012-2014; National Meeting Program Chair — 2010-2012

Ad hoc reviewer :: Advances in Nutrition; African Health Sciences; African Journal of Biotechnology; African Journal of AIDS; AIDS and Behavior; American Journal of Clinical Nutrition; American Journal of Human Biology; American Journal of Obstetrics and Gynecology; American Journal of Tropical Medicine and Hygiene; Appetite; Berghahn Books; BMC Breastfeeding Medicine; BMC Medicine; BMC Pregnancy and Childbirth; BMC Public Health; BMC Research Notes; BMJ Open; BMJ Global Health; Clay Minerals; Climate and Development; CUNY CFAR Program; Current Anthropology; Current Developments in Nutrition; Discover Sustainability; Environmental Monitoring and Assessment; Food and Humanity; Global Public Health; Ecology of Food and Nutrition; Environmental Geochemistry and Health; Epidemiology and Infection; Evolution, Medicine, and Public Health; Food and Health; The Freiburg Institute for Advanced Studies (FRIAS), University of Freiburg, Germany; Frontiers in Nutrition; Frontiers in Public Health; International Breastfeeding Journal; International Journal of Eating Disorders; International Journal of Equity in Health; International Journal of Obesity; Journal of the Academy of Nutrition and Dietetics; Journal of Acquired Immune Deficiency Syndrome; Journal of AIDS and Clinical Research; Journal of AIDS and HIV Research; Journal of the American Water Research Association; Journal of Health, Population, and Nutrition; Journal of Nutrition; Journal of Tropical Ecology; Journal of Water & Health; Maternal and Child Health Journal; Lancet Global Health; Maternal and Child Nutrition; Medical Anthropology; Medical Anthropology Quarterly; Medische Antropologie; National Research Foundation (South Africa); Nature Food; Nature Water; PLoS One; PLOS Water; Population Health Metrics; Public Health Nutrition; Review of Development Economics; Rural and Remote Health; Science Translational Medicine; Scientific Research and Essays; Sigma Delta Epsilon/Graduate Women in Science Fellowship; Social Sciences and Humanities Research Council of Canada; Social Science and Medicine; Swiss National Science Foundation; Texas Biomedical Research Institute; Toxicology Reports; Transactions of the Royal Society of Tropical Medicine and Hygiene; UCSF's Center of Excellence in Women's Health; Water Policy; Water Research; World Bank Advisory Service and Analytics Applications; Yearbook of Physical Anthropology

MAJOR CONSULTANCIES

UNESCO— 2025

Analyzing experiences with water insecurity in Turkana, Kenya

Charity: water — 2024

Preparation of the Water Insecurity Experiences Manual

Food and Agriculture Organization— 2023-2024

Analysis on the relationships between food and water insecurity in Latin America & the Caribbean.

Asian Development Bank— 2023

Analysis on disparities in water insecurity by gender.

International Water Management Institute— 2023

Consulted on the inclusion of water insecurity experiences measures in agricultural water assessments.

International Women's Development Agency— 2022

Analysis of data on water insecurity in Tonga and the Solomon Islands.

Bangladesh Rural Advancement Committee (BRAC)— 2009

Consulting on reports from Research and Evaluation Division of BRAC.

Program for Appropriate Technology in Health (PATH), Washington DC — 2009

Advised on assessment of nutritional needs among HIV-positive pregnant and lactating Rwandan women.

Instituto Nacional de Salud Pública (INSP), Cuernavaca, Mexico — 2007

Evaluation of quantitative and qualitative data on the acceptability of micronutrient tablets, sprinkles and a fortified food to pregnant and lactating Oportunidades recipients.

PROFESSIONAL AFFILIATIONS & SERVICE

AFFILIATIONS

American Academy for the Advancement of Sciences; American Anthropological Association; American Society for Nutrition; Human Biology Association; Society for Applied Anthropology; Society for Implementation Science in Nutrition

NATIONAL AND INTERNATIONAL PROFESSIONAL SERVICE

World Bank :: External Reviewer, Programmatic Advisory Services and Analytics, 2024, 2026

FoodWISE Asia-Pacific Network :: Founding member, co-host of 2025 inaugural meeting in Sydney, Australia

H2NOW Chicago Waterway Monitoring :: Advisory Board Member 2025-

Water Insecurity Experiences-Latin America & the Caribbean :: Founding member, co-host of 2023 [inaugural meeting](#) in Mexico City, Mexico

American Society for Nutrition :: Chair, Global Nutrition Council 2020-2022; At Large Member of the Global Nutrition Executive Council 2014-2016; Graduate and Professional Education Executive Committee Member—2006-2008

WHO/UNICEF JMP :: Virtual Expert Group on Enhanced Monitoring of Gender in relation to SDG WASH targets 2021

Household Water Insecurity Experiences-Research Collaborative Network :: Executive Committee 2018-2020, Steering Committee 2020-2022

Global Food Security Strategy Working Group :: 2019. Advised the USAID Bureau for Resilience and Food Security and the Feed the Future interagency group on the Global Food Security Strategy-Refresh.

Dannon Nutrition Leadership Institute :: President — 2015-2017; President-elect — 2012-2015; Treasurer — 2010-2012

World Food Program :: Inter-agency Task Team for Food, Nutrition, and HIV — Member 2014-2017

Food and Agriculture Organization :: High Level Panel of Experts Committee on Critical and Emerging Issues for Food Security and Nutrition — 2014

Society for the Anthropology of Food and Nutrition :: Vice-President — 2012-2014; National Meeting Program Chair — 2010-2012

One Laptop Per Child :: Co-developer of children's math game Kuku Anakula (<http://wiki.laptop.org/go/Kuku>) — 2007

Nutrition Graduate Student Organization :: Secretary, Social Director, Faculty Liaison, Founder and member of the Committee on Professional Development : Cornell University— 2003-2007

OTHER MATTERS RELATED TO RESEARCH AND PUBLICATION

TRAINING

The OpEd Project :: Public Voices Fellowship — 2018-2019

National Institute of Health's Advanced Training Institute on Health Behavior Theory — Summer 2012

American Psychological Association's Cyber Mentor Program for HIV research, Committee on Psychology and AIDS — Fall 2009-Fall 2011

Dannon Nutrition Leadership Institute — Spring 2009

New Investigator in Global Health Program, Global Health Council — Spring 2009

Cells to Society Biomarker Institute, Northwestern University — Spring 2008

FIELD RESEARCH, BY TOPIC

Food and water insecurity:

Quantifying WASH experiences in institutions :: 2023-present.

We are collaborating with a network of individuals to develop reliable and valid measures of WASH in schools and health care facilities.

Water Insecurity Experiences-Latin America and the Caribbean (WISE-LAC) Network :: 2023- present.

A group of practitioners, researchers, and policymakers who are working to bring attention to the value of experiential measures of water insecurity for policy development in a variety of projects across the region.

Synergisms between water and food insecurity :: 2022-present.

Quantifying the compounding vulnerabilities of water and food insecurity among Mexican adults and US children and adolescents using nationally representative datasets.

Quantifying individual hygiene experiences :: 2024-present

Hygiene experiences are shaped by more than just water. We are in the early stages of developing a measurement of experiences with bodily, domestic, and food hygiene that can be globally suitable.

Rapid at-home water diagnostics (WISE-Dx) :: 2022-present.

Field testing the accuracy and usability of at-home biosensor tests to detect water contamination, including detecting geogenic fluoride in Kenya and lead in Chicago.

Individual Water Insecurity Experiences (IWISE) Scale :: 31 countries :: Northwestern University, UNESCO, Gallup World Poll 2019-present.

A collaboration to refine and validate a scale to measure water insecurity at the individual level.

Household Water Insecurity Experiences (HWISE) Scale :: 26 sites worldwide :: Northwestern University — 2016-2019

A 28-site, multi-partner collaboration to design and refine a novel cross-culturally validated household water insecurity scale.

Health Consequences of Water Insecurity for HIV+ Women & Their Infants :: Kisumu, Kenya :: Northwestern University, Kenyan Medical Research Institute, and Family AIDS Care and Education Services, — 2016-2020

An observational study of the consequences of water insecurity for adverse maternal and infant health outcomes among a cohort of HIV-infected and uninfected pregnant and lactating women in western Kenya.

Singida Nutrition and Agroecology Project :: Singida, Tanzania :: Cornell University, Northwestern University, Action Aid Tanzania, Nelson Mandela Agricultural Institution of Science and Technology 2014-2020

We are assessing if a participatory educational intervention about nutrition, climate change, agroecology, and gender equity that we co-created with rural farmers in E. Africa improves women's empowerment, food insecurity, and infant feeding practices in Singida, Tanzania.

Health Consequences of Food & Nutrition Insecurity for HIV+ Women & Their Infants :: Kisumu, Kenya :: Northwestern University, Cornell University, Kenyan Medical Research Institute, and Family AIDS Care and Education Services, — 2013-2019

An observational study of the role of food insecurity in adverse maternal and infant health outcomes among a cohort of HIV-infected and uninfected pregnant and lactating women in western Kenya.

Food insecurity and nutritional status of patients infected with tuberculosis and HIV in Gulu, Northern Uganda (The FINITH Study) :: Gulu, Uganda :: Cornell University and Gulu University — 2013-2014

A cross-sectional study of the effects of food insecurity on disease and nutritional status among adult Ugandans infected with TB and/or HIV.

Prenatal Nutrition And Psychosocial Health Outcomes (PreNAPs) study :: Gulu, Uganda :: Cornell University and Gulu University — 2012-2015

A longitudinal cohort study of the effects of food insecurity on depression, stress, and gestational weight gain among HIV-infected and -uninfected pregnant women.

Nutrition and HIV:

PROMOTE study (Prevention of Malaria and HIV disease in Tororo) :: Tororo, Uganda :: University of California, San Francisco and Makerere University — 2011-2013

Assessing and intervening to improve nutritional and obstetric outcomes among a cohort of HIV+ women receiving anti-retroviral therapy and their HIV-exposed infants.

Feasibility and pilot efficacy of Flash heated breastmilk to reduce pediatric HIV :: Dar es Salaam, Tanzania — 2008-2011

Scientific coordinator of a multi-disciplinary study of the effects of home-based education on exclusive breastfeeding and the uptake and consequences of rapid heating of breastmilk among HIV+ women in urban Tanzania.

Program Development and Implementation Research:

Understanding the Barriers and Facilitators to Uptake, Provision, and Management of Prevention of Vertical Transmission of HIV Services in Inhassoro District, Mozambique :: Cornell University and CARE-Mozambique — 2012-2015.

A pilot intervention study to determine if performance based incentives can improve the quality of care provided to HIV-infected pregnant women.

Reaching the Hard to Reach: Documenting World Vision Haiti Mobile Clinic Best Practices :: Haiti :: Cornell University and World Vision — 2011

Determining best practices for reducing maternal anemia among rural women via mobile clinic services.

Maternal anemia care, program evaluation :: Pemba Island, Zanzibar, Tanzania : Cornell University / Zanzibar Ministry of Health— 2006

Conducted community surveys, focus group discussions and interviews with traditional and biomedical health care workers, private medicine retailers and pregnant women to understand how use of anemia medicine can be improved.

Adapting EFNEP to the changing needs of food-assistance eligible families in the era of welfare reform ::

Qualitative Researcher : Cornell University — 2003-2004

Conducted interviews and focus group discussions with nutritional education program staff as part of a USDA-funded multi-state research project to understand the effects of welfare reform on nutritional status and well-being.

Pica

Antojitos study, the relationship between pregnancy, pica, iron status, and cognitive function :: Salinas, California — 2008-2011

Primary investigator of a study of nutritional behaviors and beliefs, and their associations with iron status and cognitive function among pregnant Hispanic women.

Quantitative and qualitative study of non-food cravings, primary investigator :: Pemba Island, Zanzibar, Tanzania : Cornell University— 2004

Secured funding, hired, and trained Zanzibari fieldworkers to collect epidemiological data about consumption of non-food substances (pica) in 700 adults as part of a larger trial on the prevention of severe anemia (PI Rebecca Stoltzfus). Conducted in-depth interviews about pica (the cravings for and consumption of non-food substances) with community members and health care workers. Collected samples of pica substances for biochemical analysis.

Perceptions of anemia during pregnancy :: Pemba Island, Zanzibar, Tanzania : University of Amsterdam — 2002
Qualitative data was collected about the perceived causes, cures, and appropriateness of UNDP-supplied ferrous sulfate and traditional medicines for the treatment of anemia during pregnancy. Analyzed data to make suggestions about how traditional and biomedical treatments can be linked.

Other

Hospital Renovation, project manager :: Pemba Island, Zanzibar, Tanzania — 2001, 2003, 2005.

Identified areas of need, raised all funds, and oversaw renovations of Mental Hospital, Maternity Ward and Children's Ward.

"Down for the count in the Bijlmer" :: Interviewer : University of Amsterdam — 2002.

Censused and interviewed homeless people about drug use, health care, and general well-being in low-income neighborhoods in Amsterdam.

Polygyny and child mortality :: Mali, West Africa/University of Michigan —1998.

Field manager of longitudinal biological anthropological study comparing infant mortality by family structure. Responsibilities included fieldworker hiring, anthropometry of 1000 0-5 year old children, household surveys, censusing villages, house construction, and data organization.

WATER INSECURITY EXPERIENCES (WISE) DATA IN FLAGSHIP REPORTS

Asian Development Bank. Asian Water Development Outlook 2025. <https://www.adb.org/awdo/editions/2025>

The Food and Agriculture Organization of the United Nations. Panorama 2024: Regional Overview of Food Security and Nutrition. <https://openknowledge.fao.org/server/api/core/bitstreams/10f5f04b-3f34-459d-9686-dd3a1d52256f/content>

World Bank. Investment Framework for Nutrition (2024). <https://www.worldbank.org/en/topic/nutrition/publication/investment-framework-nutrition>

Intergovernmental Panel On Climate Change (IPCC). (2023). Climate Change 2022 – Impacts, Adaptation and Vulnerability: Working Group II Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change (1st ed.). Cambridge University Press. <https://doi.org/10.1017/9781009325844>

Jepson, W., Stellbauer, M., & Thomson, P. (2023). Revaluing multiple-use water services for food and water security. FAO. <https://doi.org/10.4060/cc7317en>

UNICEF, JMP, & WHO. (2023). Progress on household drinking water, sanitation and hygiene 2000-2022: Special focus on gender. <https://data.unicef.org/resources/jmp-report-2023/>

PENSSAN Network. (2022). National Survey on Food Insecurity in the Context of the COVID19 Pandemic in Brazil. <https://olheparaafome.com.br/wp-content/uploads/2022/06/Relatorio-II-VIGISAN-2022.pdf>

World Bank (2022). Water Matters: Resilient, Inclusive and Green Growth through Water Security in Latin America. <http://hdl.handle.net/10986/37214>

LANGUAGES

English : Dutch : French : Swahili

PRESS COVERAGE

News articles and blog coverage:

Helvetas, 2025. Do the WASH services meet the users' need? https://www.helvetas.org/en/mozambique/who-we-are/follow-us/multimedia-stories/blog/Mozambique-blog-posts/launch_inwise_study_mozambique

Eos, 2025. Trust in Evanston Tap Water Depends on Gender, Race, and Past Experiences. <https://eos.org/research-spotlights/trust-in-evanston-tap-water-depends-on-gender-race-and-past-experiences>

National coverage of our work on water insecurity in Mexico, including The Economist and others, 2025.
<https://www.eleconomista.com.mx/arteseideas/mexico-falta-agua-siete-hogares-20250312-750159.html>
<https://www.cronica.com.mx/negocios/2025/04/14/como-medir-el-acceso-efectivo-al-agua/>
<https://www.especialistas.com.mx/saiweb/viewer.aspx?file=4ejBjxeato5yStCGOR9vKj@8VBkXzGwJty6@vE6SU6bDzE5C3v343kingV3uYbzIMbWD2Hr9b@@jEEi@@I0B/d6Q==&opcion=0&encip=1>
<https://www.cronica.com.mx/academia/2025/03/04/uno-de-cada-7-hogares-mexicanos-sufre-de-inseguridad-de-agua-ensanut/>
<https://frentealapobreza.mx/presentacion-de-resultados-de-la-encuesta-sobre-inseguridad-del-agua-en-los-hogares/>
<https://www.posta.com.mx/mexico/analizan-expertos-el-impacto-del-medio-ambiente-en-la-salud-/vl2008343>

Northwestern celebrates faculty at annual recognition dinner. <https://news.northwestern.edu/stories/2025/02/celebrating-faculty-at-annual-recognition-dinner/>

El Mostrador (Chile), 2025. "Inseguridad del agua." <https://www.elmostrador.cl/noticias/opinion/columnas/2025/03/17/inseguridad-del-agua/>

Major international media coverage of our Nature Communications paper about global trust in drinking water in MANY outlets. <https://nature.altmetric.com/details/166673684/news>

Daily Northwestern, 2025. Q&A: Anthropology Prof. Sera Young discusses her research with water, global health. <https://dailynorthwestern.com/2025/04/24/lateststories/qa-anthropology-prof-sera-young-discusses-her-research-with-water-global-health/>

The Guardian, 2024. 'A pile of dirt makes me drool': why some people crave and eat inedible things. <https://www.theguardian.com/lifeandstyle/2023/dec/18/a-pile-of-dirt-makes-me-drool-why-some-people-crave-and-eat-inedible-things>

Australia Broadcasting Corporation, 2023. "The Australian town where water insecurity is felt more than some communities in Bangladesh" <https://www.abc.net.au/news/2023-04-13/walgett-nsw-water-insecurity-worse-than-bangladesh/102212784>

La Razón, 2023. "Nuevo León se adhiere a la Red Latinoamericana y del Caribe para la Inseguridad de Agua" <https://www.razon.com.mx/estados/nuevo-leon-adhiere-red-latinoamericana-caribe-inseguridad-agua-534842>

Chicago Tribune, 2023. "350 Chicago households will get free lead tests as part of Northwestern study" <https://www.chicagotribune.com/news/environment/ct-chicago-lead-water-kits-northwestern-20230911-h6hp43jbzccrdevknvaeazi3q-story.html>

#Front page story: https://www.dropbox.com/scl/fi/p0vpw9du0rg0cj93nvvtg/2023_Tribune_Frontpage.jpeg?rlkey=e9ciz1h4bakktolxhy2pidqmx&dl=0

Evanston Now, 2023. <https://evanstonnow.com/nu-researchers-develop-at-home-water-safety-test/>

The Sydney Morning Herald, 2023. <https://www.smh.com.au/national/nsw/the-town-where-coca-cola-runs-more-freely-than-drinking-water-20230410-p5cz93.html>

Forbes, 2023. "Home Water Quality Testing Kits For Lead, Copper And PFAS To Debut In Chicago" <https://www.forbes.com/sites/jeffkart/2023/08/12/home-water-quality-testing-kits-for-lead-copper-and-pfas-to-debut-in-chicago/>

The Daily Northwestern, 2023. "Study led by Northwestern professor quantifies experiences with global water insecurity" <https://dailynorthwestern.com/2023/01/03/campus/study-led-by-northwestern-professor-quantifies-experiences-with-global-water-insecurity/>

Gallup, 2023. "Tunisia's Water Crisis Fuels Frustration" https://news.gallup.com/poll/473315/tunisia-water-crisis-fuels-frustration.aspx?utm_source=google&utm_medium=rss&utm_campaign=syndication

Erin Brokovich, 2022. <https://www.thebrockovichreport.com/p/are-you-a-tap-water-avoider>

Mother Jones, 2022. "America's Food-Security Crisis Is a Water-Security Crisis, Too" <https://www.motherjones.com/food/2022/11/americas-food-security-crisis-is-a-water-security-crisis-too/>

Axios, 2022. "Water insecurity is stressing mental health" <https://www.axios.com/2022/11/17/water-insecurity-climate-change-mental-health>

El Universal (Mexico), 2022. "One in 3 households has insecurity in the access and use of water." <https://www.eluniversal.com.mx/cartera/1-de-cada-3-hogares-mexicanos-presenta-inseguridad-en-uso-y-acceso-al-agua-indica-estudio> (This story was picked up by more than 25 news outlets in Mexico.)

Press conference with the President of Mexico's National Institute of Statistics and Geography (INEGI) about nationally representative survey of Mexican's experiences with water insecurity, 2022. <https://www.youtube.com/watch?v=uytJlVQAbh4>

Helvetas, 2022. "The WISE Scales: A New Way to Measure Water Insecurity" <https://reliefweb.int/report/world/wise-scales-new-way-measure-water-insecurity>

The Hill, 2022. "Solving water insecurity could be key to global hunger crisis: study" <https://thehill.com/policy/equilibrium-sustainability/3522821-solving-water-insecurity-could-be-key-to-global-hunger-crisis-study/>

Planet's Water, 2022. <https://www.planetwater.com/food-insecurity-and-water-insecurity-go-hand-in-hand-study-finds-study-suggests-water-may-be-key-to-addressing-hunger-in-low-and-middle-income-countries-science-daily>

Smart Water Magazine, 2022. <https://smartwatermagazine.com/news/american-society-nutrition/food-insecurity-and-water-insecurity-go-hand-hand-study-finds>

Daily News Egypt, 2022. "Food security and water security go hand-in-hand: Study" <https://dailynewsegypt.com/2022/06/15/food-security-and-water-security-go-hand-in-hand-study/>

Iagua, 2022. "La inseguridad alimentaria y la inseguridad hídrica van de la mano, según un estudio" <https://www.iagua.es/noticias/redaccion-iagua/inseguridad-alimentaria-y-inseguridad-hidrica-van-mano-segun-estudio>

Brainfacts.org, 2022. "The Emotional weight of water stress" <https://www.brainfacts.org/thinking-sensing-and-behaving/emotions-stress-and-anxiety/2022/the-emotional-weight-of-water-stress-061322>

Evanston RoundTable wrote a series of articles about our work "We are Water Evanston", 2021. See <https://evanstonroundtable.com/2021/03/16/we-are-water-evanston-asks-residents-what-water-means-to-them/> ; <https://evanstonroundtable.com/2021/07/04/we-are-water-evanston-creates-action-items-for-the-city-of-evanston/>

The Daily Northwestern, 2021: <https://dailynorthwestern.com/2020/10/08/city/politics/we-are-water-project-assesses-evanstonians-relationship-with-water/>

National Institutes of Health, 2021. Fogarty International Center, "Water insecurity can disrupt exclusive breastfeeding": <https://www.fic.nih.gov/News/GlobalHealthMatters/may-june-2021/Pages/breastfeeding-lmics-water-insecurity.aspx>

Vice, 2020. Climate Change Is Making Women's Chores Deadlier. <https://www.vice.com/en/article/93wq5y/climate-change-drought-is-making-womens-chores-deadlier-in-kenya>

BBC World Service, 2020. Health Check: Burden of personal injury from fetching water. <https://www.bbc.co.uk/sounds/play/w3cszcct>

The Telegraph, 2020. Collecting drinking water can cause serious injury and disproportionately affects women, study finds. <https://www.telegraph.co.uk/global-health/women-and-girls/collecting-drinking-water-can-cause-serious-injury-disproportionately/>

Gizmodo, 2020. The Coronavirus Has Exposed a Global Water Crisis. New Research Shows How to Fix It <https://earth.gizmodo.com/the-coronavirus-has-exposed-a-global-water-crisis-new-1844827155>

Opinion by Nicholas Kristof in the New York Times, 2020. https://messaging-custom-newsletters.nytimes.com/template/oakv2?uri=nyt://newsletter/edc50cfb-d102-4a45-8e4b-d0d7188b4061&productCode=NK&CCPAOptOut=true&te=1&nl=nicholas-kristof&emc=edit_nk_20200404

How Stuff Works, 2019. Why Do People Eat Dirt? <https://people.howstuffworks.com/culture-traditions/cultural-traditions/why-do-people-eat-dirt.htm>

BBC, 2019. Why do some people eat soil? <https://www.bbc.co.uk/sounds/play/w3csz1t4>

Hindu Business Online, 2019. Ask 12 questions to know the impact of water stress. <https://www.thehindubusinessline.com/economy/ask-12-queries-to-assess-economic-impact-of-lack-of-water/article28334641.ece>

The Hindu, 2019. Now, water insecurity can be measured. <https://www.thehindu.com/news/national/telangana/now-water-insecurity-can-be-measured/article28138629.ece>

International Atomic Energy Agency, 2019. Infants Consume Less Breast Milk in Households with Insecure Food Access, IAEA Research Project Finds. <https://bit.ly/314q8h0> (Also featured on the front page of [UN.org](https://www.un.org/))

Northwestern University, 2018. Securing Food and Water. <https://news.northwestern.edu/stories/2018/october/securing-food-and-water/>

Northwestern University, 2018. Q&A: Sera Young. <https://news.northwestern.edu/stories/2018/october/sera-young>

MedPage Today, 2018. Pica Among Pregnant Women in the US. <https://www.medpagetoday.com/resource-centers/focus-on-iron-deficiency-anemia/pica-among-pregnant-women-us/2251>

Northwestern University, 2017. Food or Water? <http://www.ipr.northwestern.edu/about/news/2018/young-food-or-water.html>

Northwestern University, 2017. Northwestern researchers take global lead on water insecurity. <https://news.northwestern.edu/stories/2017/september/northwestern-researchers-take-global-lead-on-water-insecurity/>

Northwestern University, 2017. Alumni work to strengthen ties with Mexico. <https://news.northwestern.edu/stories/2017/november/northwestern-university-remains-engaged-with-mexico/>

Inside Science, 2017. Ancient Practice of Eating Soil Might Pose Risks to Unborn Babies <https://www.insidescience.org/news/ancient-practice-eating-soil-might-pose-risks-unborn-babies>

Northwestern University, 2017. New Grants, Global Partnership Extend Water Center's Reach. <https://research.northwestern.edu/news/new-grants-global-partnership-extend-water-center%E2%80%99s-reach>

Airone, Italy, 2017. Mal di pancia? Mangiamoci un po' di terra. http://www.cairoeditore.it/index.php?option=com_flippingbook&book_id=4428&Itemid=83

NPR, 2017. Why Do Parrots (And People) Eat Clay? <http://www.npr.org/sections/thesalt/2017/09/07/547981850/why-do-parrots-and-people-eat-clay>

British Broadcasting Company (UK), 2016. The people who can't stop eating dirt. <http://www.bbc.com/future/story/20160615-the-people-who-cant-stop-eating-dirt?ocid=fbfut>

Continente (Portugal), July 2014. Geofagia.

The Guardian (UK), 2014. Why do some people love 'earthy' flavours in food? <http://www.theguardian.com/lifeandstyle/wordofmouth/2014/jul/29/why-some-people-love-earthy-flavours>

Cornell Chronicle, 2014. Pica in pregnant teens linked to low iron. <http://news.cornell.edu/stories/2014/08/pica-pregnant-teens-linked-low-iron>

Science Daily, 2014. Pica in pregnant teens linked to low iron. <http://www.sciencedaily.com/releases/2014/08/140820164026.htm>

New York Times, 2013. Digging Into the Dirt. 'Craving Earth' Looks at Pica, the Urge to Eat Unusual Substances. http://www.nytimes.com/2013/07/09/science/craving-earth-looks-at-pica-the-urge-to-eat-unusual-substances.html?_r=0

Geo, 2013. (National Geographic of Germany.) "Dreckige Gelüste."

National Geographic, 2012. Guess Who's Eating Dirt: Surprising Number of Men Found Practicing Pica. <http://news.nationalgeographic.com/news/2012/10/121019-pica-food-health-science-madagascar-men-women-pregnant-eat-dirt/>

Cornell Chronicle, 2012. Study documents eating of soil, raw starch in Madagascar. <http://www.news.cornell.edu/stories/Nov12/PICA.html>

Science Daily, 2012. Eating of Soil and Raw Starch Documented in Madagascar. <http://www.sciencedaily.com/releases/2012/11/121109162023.htm>

Scenes of Eating, 2012. Review: Craving Earth, by Sera L. Young. <http://sceneseofeating.com/2012/01/24/review-craving-earth-by-sera-l-young/>

Huffington Post, 2011. Explained: Why People Sometimes Crave Dirt. http://www.huffingtonpost.com/2011/06/07/dirt-cravings-explained_n_872532.html

Scientific American, 2011. Let them eat dirt. <http://www.scientificamerican.com/podcast/episode.cfm?id=let-them-eat-dirt-11-06-03>

US News and World Report, 2011. Eating Dirt Has Long, Maybe Healthy, History. <http://health.usnews.com/health-news/family-health/brain-and-behavior/articles/2011/06/06/eating-dirt-has-long-maybe-healthy-history>

Discovery News, 2011. Why some people eat dirt. <http://news.discovery.com/human/eating-dirt-more-adaptive-than-thought-110607.html>

Fox News, 2011. Dirty Truth: Humans Eat Dirt to Shield the Stomach. <http://www.foxnews.com/health/2011/06/07/dirty-truth-humans-eat-dirt-to-shield-stomach/>

Medline Plus, 2011. Comer tierra tiene una historia larga, y quizás saludable. http://www.nlm.nih.gov/medlineplus/spanish/news/fullstory_112886.html

The Awl, 2011. Why Do People Like To Eat And Buy And Sing About Dirt? <http://www.theawl.com/2011/06/why-do-people-like-to-eat-and-buy-and-sing-about-dirt#more>

Pour Femme, Italy, 2011. Geofagia: e se mangiare la terra facesse bene? <http://salute.pourfemme.it/articolo/geofagia-e-se-mangiare-la-terra-facesse-bene/10739/>

El Colombiano, Colombia, 2011. De aquellos que comen física tierra: la geofagia. <http://www.ecbloguer.com/cienciaaldia/?p=4014>

El Comercio, Peru, 2011. ¿Por qué a algunas personas les gusta comer tierra? <http://elcomercio.pe/gastronomia/769462/noticia-que-algunas-personas-les-gusta-comer-tierra>

Correio do Estado, Brasil, 2011. Hábito de comer terra ajuda a proteger de doenças. http://www.correiodoestado.com.br/noticias/habito-de-comer-terra-ajuda-a-proteger-de-doencas_113652/

Jurnalul Național, Romania, 2011. Geofagia ar avea virtuți nebănuite, susține un antropolog american. <http://www.jurnalul.ro/viata-sanatoasa/terapii-complementare/geofagia-ar-avea-virtuti-nebanuite-sustine-un-antropolog-american-585360.html>

KSL news, Salt Lake City, UT 2011. Sore tummy? Skip the Tums and grab some dirt. <http://www.ksl.com/index.php?nid=1012&sid=15902164>

Sacramento Bee, CA, 2011. "Between the lines: A trove from UC Davis faculty"

The Daily Mail, 2011. Why eating dirt can be good for you... and act as a shield for your stomach. <http://www.dailymail.co.uk/news/article-1394694/Why-eating-dirt-good-stomach--act-shield-stomach.html>

China Daily, 2011. Eating earth may be good for stomach: study

The Independent, United Kingdom, 2011. Feeling nauseous? Eat dirt. <http://www.independent.co.uk/life-style/health-and-families/feeling-nauseous-eat-dirt-2294603.html>

The Times of India, 2011. Hitting pay dirt and eating it too.

The Times Higher Education, United Kingdom, 2011. Biting the dust proves popular. <http://www.timeshighereducation.co.uk/story.asp?storyCode=416487§ioncode=26>

Cornell Chronicle. Eating dirt may protect against pathogens and toxins. <http://news.cornell.edu/stories/2011/06/study-animals-and-humans-eat-clay-rid-toxins>

Cornell Sun. Cornell Researcher Explores Eating Dirt. <http://www.cornellsun.com/section/science/content/2011/11/09/cornell-researcher-explores-eating-dirt>

Audubon Magazine. Clay Craving and Dirt Dining: Eating earth may be good for us. <http://magblog.audubon.org/clay-craving-and-dirt-dining-eating-earth-may-be-good-us>

Delish.com, 2011. Get Dirty: Study Finds Eating Dirt Could Have Benefits. <http://www.delish.com/food/recalls-reviews/study-finds-eating-dirt-could-be-good-for-you>

Free Republic, 2011. Is dirt safe to eat? <http://www.freerepublic.com/focus/f-chat/2738674/posts>

LA Weekly, California, 2011. Weird Science: Eating Dirt Can Be Good For. http://blogs.laweekly.com/squidink/2011/06/eating_dirt_can_be_good_for_you_weird_science.php

Toronto Sun, 2011. Dining on Dirt. <http://www.torontosun.com/2011/06/03/dining-on-dirt>

The Davis Enterprise, 2011. From UCD authors, a nonrequired summer list. <http://www.davisenterprise.com/local-news/ucd/from-ucd-authors-a-nonrequired-summer-list/>

ABC News, 2011. Eating dirt has long, maybe healthy, history.

Science News, 2011. Craving Earth. http://www.sciencenews.org/view/generic/id/71641/title/Book_Review_Craving_Earth_by_Sera_L._Young

Foodista, 2011. Eat the Earth. <http://www.foodista.com/blog/2011/04/22/eat-the-earth>

Salon.com, 2011: "Craving Earth": Why do some people love eating dirt? http://www.salon.com/books/feature/2011/04/12/craving_earth_sera_l_young

Ethiopian Review, 2011. Eating earth: Exploring the mysterious world of geophagy.

The Week, 2011. Why pregnant women eat dirt. <http://theweek.com/article/index/213694/why-pregnant-women-eat-dirt>

The Atlantic, 2011. Eating Dirt. <http://www.theatlantic.com/daily-dish/archive/2011/03/eating-dirt/173583/>

BoingBoing, 2011: Book about people who eat dirt. <http://boingboing.net/2011/03/29/book-about-people-wh.html>

Voice of America, 2009. HIV-Positive Women Will Follow Protocols to Make Breast Milk Safe. <http://www.voanews.com/content/a-13-2009-05-07-voa29-68815217/413128.html>

Focus, 2009. A clay multivitamin? <http://www.focus.pl/cywilizacja/zobacz/publikacje/gliniana-multiwitamina/>

der Spiegel, 2008. Why Do People Eat Dirt? <http://www.spiegel.de/international/zeitgeist/0,1518,525726,00.html>

Nature, 2007. The earth-eaters. 10.1007/s10886-013-0258-3peaters. <http://www.nature.com/nature/journal/v444/n7119/full/444543a.html>

Television, radio, and podcasts:

CBS Chicago, 2025. Lead in Drinking Water Study Launched. <https://www.dropbox.com/scl/fi/t0jz6g600oynf744hbgmz/water-tests-2.mp4?rlkey=nvqb0vwmm2zn1cyye0diei4&e=1&st=655bjq3i&dl=0>

Smart Water Solutions Podcast, 2025. Prof Sera Young, Episode #111. <https://open.spotify.com/episode/0KI1WskOOT3jFqRYMa6lUS?si=JcEKEQTWSLWToeVNPJ7gsg&nd=1&dlsi=dfce080715b84ba9>

Foreign Department of Poland News Radio, 2025: Why People Eat Earth, 2025 Dlaczego ludzie jedzą ziemię (Dział Zagraniczny Podcast#217) <https://www.youtube.com/watch?v=oLiQjprBYBA>

The Blood Project, 2025. Iron deficiency anemia and pica. https://www.thebloodproject.com/ida_pica/

The Water Justice Podcast, 2024. “Can we achieve SDG6?” <https://shows.acast.com/water-justice-podcast/episodes/can-we-achieve-sdg6-with-gabriela-sacco-nina-lansbury-saskia>

Center for Strategic and International Studies The CommonHealth Podcast, 2023 “Sera Young, Northwestern University: “Accountability is probably the most powerful tool that we have” <https://www.csis.org/podcasts/commonhealth/sera-young-northwestern-university-accountability-probably-most-powerful-tool>

Explore Global Health Podcast with Dr. Rob Murphy, MD, 2023 “An Anthropologist's Career in Global Health with Sera Young, PhD” <https://www.globalhealth.northwestern.edu/events/podcast/young.html>

Australia Broadcast Corporation, 2023. The Australian town where water insecurity is felt more than some communities in Bangladesh. <https://www.abc.net.au/news/2023-04-13/walgett-nsw-water-insecurity-worse-than-bangladesh/102212784>

WBBM, September 11, 2023. Interview about biosensor tests for lead.

WBEZ, March 25, 2023. Interview about presentations at UN Water.

WBBM, March 29, 2023. Interview about World Water Day. <https://www.audacy.com/wbbm780/news/local/northwestern-professor-to-present-at-un-water-conference>

WBEZ, February 10, 2023. Interview about fluoride biosensors for hourly news.

Big Ten B1G Impact Research. https://www.youtube.com/watch?v=6_yLWYmLPZk

Talking Under Water, 2022. Episode 54: Measuring Water Insecurity. @TUWpodcast <https://soundcloud.com/talkingunderwater/episode-54-measuring-water-insecurity>

Heritage Radio Network, 2022. “Down in the Dirt: Geophagy, Carbon Capture, and Conservation”. <https://heritageradionetwork.org/episode/down-dirt-geophagy-carbon-capture-and-conservation>

WNYC, The Takeaway, 2021. “Deep Dive with Dorian Warren: Water.” <https://www.wnycstudios.org/podcasts/takeaway/segments/deep-dive-dorian-warren-water>

The Stream with Will and Tom, 2021. “Filling the Data Gaps on Water Poverty with Sera Young” <https://lnns.co/jygRdsNDEaB>

WGN, 2020. "What is 'food insecurity' and why did the Nobel Peace Prize go to the World Food Programme for their work combatting it?" <https://wgnradio.com/chicagos-afternoon-news/what-is-food-insecurity-and-why-did-the-nobel-peace-prize-go-to-the-world-food-programme-for-their-work-on-it/>

Gallup, 2020. "A Crisis Within a Crisis: Water Scarcity Amid COVID-19" <https://news.gallup.com/podcast/315953/crisis-within-crisis-water-scarcity-amid-covid.aspx>

BBC News, 2020. "Why do people eat chalk, earth and clay?" <https://youtube.com/watch?v=o5ELJx1h3Sk>

Oxfam, 2020. "The journey and challenges in measuring sustainable water in Oxfam's impact evaluations with the HWISE Network" <https://views-voices.oxfam.org.uk/2020/03/the-journey-and-challenges-in-measuring-sustainable-water-in-oxfams-impact-evaluations-with-the-hwise-network/>

Circle of Blue, 2020. "Speaking of Water" <https://www.circleofblue.org/2020/wef/speaking-of-water-sera-young-on-identifying-who-is-water-insecure/>

AnthroDish, 2020. "Why do some humans eat earth? With Dr. Sera Young" <https://www.anthrodish.com/episodes/serayoung>

Human Biology Association, 2019. "Chatting with Dr. Sera Young about White Dirt, Women's Health, and Water Security" <https://www.humbio.org/sos-33-chatting-with-dr-sera-young-about-white-dirt-womens-health-and-water-security/>

Radio Health Journal, 2017. "Pica" <https://radiohealthjournal.wordpress.com/tag/dr-sera-young/>

Public Broadcasting Service (PBS), 2016. "Eat White Dirt" <http://www.pbs.org/video/2365925943/>

NPR, The Salt. "The Old And Mysterious Practice Of Eating Dirt, Revealed" <https://www.npr.org/sections/thesalt/2014/04/02/297881388/the-old-and-mysterious-practice-of-eating-dirt-revealed>

Big Picture Science, 2013. "Digging our Past" http://radio.seti.org/episodes/Digging_Our_Past

Institutet, 2013 (Swedish national public radio program). "Tänk vad härligt att ta en näve grus och skölja runt i munnen" <http://sverigesradio.se/sida/artikel.aspx?programid=4131&artikel=5478881&play=4486865&playtype=Ljudklipp>

The Academic Minute, WAMC, Albany, NY. 2012. "The urge to eat dirt". <http://wamc.org/post/dr-sera-young-cornell-university-urge-eat-dirt>

Capitol Public Radio, Sacramento, CA, 2011. "Craving Earth". <http://www.capradio.org/163198>

Living on Earth, 2011. "Eating Dirt" <http://www.loe.org/shows/segments.html?programID=11-P13-00023&segmentID=8>

Talk Radio Europe, 2011.

The Lanigan and Malone Morning Show, 2011. Cleveland, OH.

NewsTalk with Moncrieff (Ireland), 2011. <http://www.newstalk.ie/programmes/all/moncrieff/>

CBS-Miami, 2011: "Irresistible Craving To Eat Dirt May Cause Health Problems" <http://miami.cbslocal.com/2011/01/10/irresistible-craving-to-eat-dirt-may-cause-health-problems/>

CBS-Chicago, 2010: "Coping with the dangers of pica" <http://chicago.cbslocal.com/2010/12/31/coping-with-the-dangers-of-pica/>

CBS-San Francisco, 2010: "Health Watch—Craving Earth"

Good Food with Evan Kleinman, on Los Angeles's KCRW, 2011; radio interview: http://www.kcrw.com/etc/programs/gf/gf110416matzo_balls_eating_d; "Evan eats clay" <http://blogs.kcrw.com/goodfood/2011/04/video-evan-eats-clay/>

Zanzibar Public Television, 2006. An interview with Said M. Ali, Sarah Beckham, and me about our research on the relationship between anemia and pica. http://www.youtube.com/watch?v=kfGQ6Je8_vo

Quoted in:

Associated Press, 2025. "Many Californians lack safe tap water and don't trust cleanup efforts". <https://apnews.com/photo-essay/mobile-homes-water-california-photo-essay-980f80305579542fbf76ba00fdc715e6> & <https://apnews.com/article/arsenico-agua-valle-de-coachella-california-9bab4b438d37fdd7e17bcd5dc77e606c>

Fast Company, 2023. "'We're going backwards in water access': How 46 million Americans still don't have safe drinking water." <https://www.fastcompany.com/90858376/were-going-backwards-in-water-access-how-46-million-americans-still-dont-have-safe-drinking-water>

Chicago Tribune, 2021. "The efficiency behind Amazon and the idea behind HelloFresh: How one Chicago neighborhood charity is rethinking food insecurity" <https://www.chicagotribune.com/news/breaking/ct-food-insecurity-englewood-dion-chicago-dream-20210728-vnz2kqeuoncyfmogr2pulyqi6a-story.html>

Circle of Blue, 2020. "Who in the U.S. Is in 'Plumbing Poverty'? Mostly Urban Residents, Study Says" <https://www.circleofblue.org/2020/world/who-in-the-u-s-is-in-plumbing-poverty-mostly-urban-residents-study-says/>

Chicago Sun Times, 2018. "Forget what Republicans say; some are OK with certain babies dying" <https://chicago.suntimes.com/news/republians-babies-dying-abortion-united-nations-breastfeeding-formula-trump/>

Reuters, 2018. "Breastfeeding linked to lower stroke risk" <https://www.reuters.com/article/us-health-women-breastfeeding/breastfeeding-linked-to-lower-stroke-risk-idUSKCN1L71QX>

ARTISTIC ENGAGEMENT

Science Gallery Lab. Detroit, MI, 2019. "Precarity: water and power."

Eating Earth Workshop. Amsterdam, 2018. "Craving Earth." (<https://nias.knaw.nl/events/eating-earth/>)

TEACHING AND ADVISING

AREAS OF TEACHING

Anthropology, global health, mixed methods

COURSES TAUGHT AT NORTHWESTERN

Freshman Seminar, Northwestern University: "Biocultural perspectives on infant feeding" Spring 2023

Turning your numbers into a story: A quantitative methods class, Northwestern University: Anthropology 390-0-23/Global Health 390-0-22 — Fall 2017, Fall 2018, Fall 2019, Fall 2021, Spring 2025

Biocultural perspectives on water insecurity, Northwestern University: Anthropology 390-0-22/Global Health 390-0-253 — Spring 2018, Spring 2019, Spring 2020, Spring 2022 (Weinberg & Northwestern Prison Education Program), Fall 2022 (Weinberg & Northwestern Prison Education Program), Winter 2025 (Weinberg & Northwestern Prison Education Program)

Ecology of Infant feeding, Northwestern University: Anthropology 390-0-32/Global Health 390-0-24 — Winter 2017, Winter 2018, Winter 2019

Undergraduate independent research, Northwestern University: Anthropology 399-0-32/Global Health 399-0-3 — each quarter Fall 2016 to present

COURSES TAUGHT AT PREVIOUS INSTITUTIONS

Undergraduate independent research, Cornell University: NS 4010 - Empirical Research; BIOG 2990; BIOG 4990 — Fall 2012-2015

Community and International Nutrition Seminar Series, Cornell University: NS 6980 — Fall 2012, Spring 2013

Nutrition in Developing Countries, UC Berkeley School of Public Health: Lecturer: PH 298.41 — Spring 2008
Nutritional Problems of Developing Nations, Cornell University: Teaching Assistant: NS 306 — Spring 2004
English Literature, Special Ed, Port Huron School District, Michigan: Substitute Teacher: — Spring 2000
Secondary Level Teaching Certificate, University of Michigan, Ann Arbor: — 1999
Cultural Anthropology, Plymouth Canton High School, Michigan: Student Teacher : — Spring 1999
AP English, Cass Technical High School, Detroit, Michigan: Student Teacher: — Fall 1998

CURRICULUM DEVELOPMENT

Created “Turning your numbers into a story: A quantitative methods class”; “Biocultural perspectives on water insecurity,” & “Ecology of Infant feeding”

UNDERGRADUATE STUDENTS MENTORED

Undergraduate students at Northwestern: Nihmotallahi Adebayo, Rahul Aggarwal, Kelly Alvarez, Samuel Balka, Amelia Beck, Casey Benzaken, Aidan Boleyn-Fitzgerald, Hollyn Cetrone, Cheryl Chen, Kathleen Clark, Jo Ann Efobi, Priyanka Garigipati, Talia Ginsberg, Maxime Godart, Ishani Gupta, Tracy Guo, Brooke Hassan, Jordan Harris, Luana Hillman, Lyra Johnson, Alina Junejo, Samanvi Kanugula, Aarthi Kottapalli, Amy Lin, Denise Lopez, Esra Maududi, Ashleigh Maclean, Erin McCotter, David McCuskey, Annika Mittu, Joao Branco Mota Silva Martins, Daniel Peters, Hayley Platt, Clara Oh, Sophia Olmos, Sarah Padon, Lahari Ramani, Francesca Rosen, Anna Scarbrough, Lily Settel, Revika Singh, Benjamin Thomae, Emilie Umuhire, Mira Wang, Julia Yeam

Undergraduate students at Cornell: Cedric Ahn, Chaele Arkfeld, Eleonore Baughan, Lauren Blacker, Corrine Casal, Pooja Desai, Melanie Graber, Damarys Hernandez, Josephine Hong, Jen Huang, Hijab Khan, Paige Killeala, Joanie Kim, Heather Larkin, Ann Lei, Janice Lin, Phoebe Lo, Rachel Lumish, Abena Maranga, Emily Martey, Devon McMahon, Chloe Michel, Joshua Miller, Lusine Mehrabyan, Sophie Mou, Jacqueline Rivera, Marion Robine, Keith Ryan, Evelyn Samuel, Gretchen Seim, Rie Seu, Santana Silver, Shanna Smith, Christina Son, Alexis Steinmetz, Luisa Temple, Irene Tsai, Kelechi Umoga, Shiliu Wang, Tingting Wu, Amy Zheng

MASTERS STUDENTS MENTORED

Master’s students: *Past:* Lyra Johnson (APHP), Mira Wang (APHP), Hollyn Cetrone (APHP), Allison Mark (APHP), Virginia Nowakowski (APHP)

GRADUATE AND POST-DOCTORAL STUDENTS MENTORED

Post-doctoral fellows: *Current:* Indira Bose; *Past:* Hilary Bethancourt, Vidya Venkataramanan, Marianne Vicky Santoso, Godfred Boateng, Yolanda Brooks, Katie Fiorella, Paula Pebsworth, Aditi Roy, Emily Tuthill, Elizabeth Widen

Doctoral students, committee chair: *Current:* Elijah Watson (Northwestern), *Past:* Margaret Butler (Northwestern, Anthropology graduated 2023), Patrick Mbullo (Northwestern, Anthropology graduated 2023), Marianne Vicky Santoso (Cornell, Nutrition graduated 2019), Roseanne Schuster (Cornell, Nutrition graduated in 2016), Barnabas Natamba (Cornell, Nutrition graduated in 2015)

Doctoral students, committee member: *Current:* Colleen O’Brien (Northwestern, Civil Engineering), *Past:* Elizabeth Koselka (Northwestern, Anthropology, 2023); Shalean Collins (Tulane, Nutrition 2023); Melissa Manus (Northwestern, Anthropology 2022); Betty Samburu (Kenyatta University, graduated 2020), Sarah Dumas (Cornell, graduated 2017), Elizabeth Fox (Cornell, 2017), Anne Williams (University of California, Davis, 2016), Sarah Pedersen (Cornell, 2015)

Medical students: *Past:* Maya Jackson-Gibson (Northwestern), Angela Arbach (Cornell Weill), Natalie Krumdieck (Cornell Weill), Jason Nagata (University of California, San Francisco), Alexis Steinmetz (Loyola)

TEACHING AWARDS & HONORS

Faculty Honor Roll :: Office of Undergraduate Research — 2022-2023. For mentoring 20 students to successfully obtain research funding.

Faculty and Administrator Honor Roll :: Associated Student Government — 2019-2020. For the course “Ecology of Infant and Young Child Feeding”.

Searle Fellows Program :: Northwestern University. 2017-2018. Program for learning and implementing evidence-based approaches to teaching.

Sugar Award :: One Laptop Per Child — 2007. For the development of the best educational children’s software.

Student-Intern Teacher of the Year Honorable Mention :: State of Michigan — 1999. For the demonstration of outstanding potential as an educator.

DEPARTMENT, COLLEGE, AND UNIVERSITY SERVICE

Northwestern service

Co-Director, Center for Water Research—2025-present

Steering Committee, Thriving Planet Institute, a university-wide Sustainability Initiative— 2025-present

Visibility committee, Department of Anthropology — 2025-present

Diversity Representative on Anthropology Search Committee —2025

Equality Development and Globalization Studies (EDGS) — Faculty Advisory Council 2024-present

IPR Executive Council—2021-present

Ad hoc Tenure Committee Member :: Weinberg College, Northwestern University — 2022

Lecture for Northwestern New York and the Northwestern University Leadership Circle at Neuberger Bergman, NYC “The Art and Science of Today’s Social Challenges”— 2022

Undergraduate Research Programs, Review Committee— 2021-present

Tenure & Promotion Committee for Global Health — 2017-present

Accelerated Master’s in Public Health Admissions Committee — 2017-2022

One Book Northwestern Committee—2021-2022

Weinberg College of Arts and Sciences Committees on Academic Appeals — 2019-2022

Program in African Studies, Executive Committee — 2017-2022

Global Health Curriculum Committee — 2016-2021

Office of the Provost Research Networking Lunch, Co-leader — 2018-2020

Global Health Case Competition Judge — 2017

Cornell service

Cornell University :: Search Committee, Master’s in Public Health Curriculum Development Committee 2016

Nutrition Graduate Student Organization :: Secretary, Social Director, Faculty Liaison, Founder and member of the Committee on Professional Development : Cornell University— 2003-2007

Academic Integrity Hearing Board :: Graduate Representative : Cornell University— 2004

COMMUNITY WORK

Turnaround Park :: Evanston, IL 2021-present.

Spearheaded the naming, renovation, and installation of a pollinator garden in Turnaround Park, Evanston.
<https://evanstonroundtable.com/2021/10/03/turnaround-park-marks-the-spot/>

We Are Water Evanston :: Evanston, IL 2020-2022

A community-based participatory research project led by Citizens' Greener Evanston to understand water insecurity and how water is valued in and around Evanston (<https://greenerevanston.org/we-are-water>). This resulted in an 8-part series in the local paper about water in Evanston: <https://evanstonroundtable.com/2021/09/20/we-are-water-evanston-about-this-series/>