

LINDSEY MINA LOCKS

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Department of Health Sciences, Boston University Sargent College of Health & Rehabilitation Sciences
Department of Global Health, Boston University School of Public Health

EDUCATION

2016 Doctor of Science (ScD), **Harvard University**: Harvard T.H. Chan School of Public Health, Department of Nutrition. Concentration: Nutritional Epidemiology. Minors: Biostatistics and Epidemiology.

2011 Master of Public Health (MPH), **Columbia University**: Mailman School of Public Health, Department of Epidemiology. Concentration: Global Health.

2007 Bachelor of Arts (BA), **Princeton University**: Department of History. Certificate in African Studies.

ACADEMIC AND PROFESSIONAL APPOINTMENTS

2018–present Assistant Professor (Tenure Track), **Boston University**

Sargent College of Health & Rehabilitation Sciences, Department of Health Sciences

Boston University School of Public Health, Department of Global Health

Parental leaves: 2020 and 2021. Tenure clock extended three years total (two years parental, one year COVID-19).

- Core Faculty, Human Capital Initiative, Global Development Policy Center, 2024–present
- Faculty Governing Board, Wheelock Institute for Early Childhood Well-Being, 2022–present
- Affiliate Faculty, Center on Forced Displacement, 2022–present
- Founder & Director, Global Nutrition Lab, 2018–present

2017–2018 Lecturer, Tufts University: School of Arts and Sciences, Department of Community Health

2016–2018 Research Consultant, United Nations Children’s Fund (UNICEF), Nutrition Section, Headquarters, New York, NY

2016–2018 Postdoctoral Research Fellow, Harvard University: Harvard T.H. Chan School of Public Health, Department of Nutrition

2010–2011 Programme Associate, Helen Keller International, Kathmandu, Nepal & New York, NY

2008–2009 Nutrition Coordinator, Clinton Foundation HIV/AIDS Initiative, Lindi & Mtwara Regions, Tanzania

2007–2008 Reports and Communications Officer, World Food Programme, Regional Office for East and Central Africa, Kampala, Uganda

RESEARCH OVERVIEW

My research integrates maternal and child nutrition, infectious disease, and implementation science to address health inequities in low- and middle-income countries. Since founding the **Global Nutrition Lab** at BU in 2018 (with Clinical Assistant Professors Avedzi and Lauer; shared lab), I have built funded, multi-country research platforms—spanning Zambia, India, Ghana, and Nepal—anchored in randomized controlled trials, biological specimen analyses, and implementation science, with results published in *The Lancet Global Health*, *BMJ Global Health*, *American Journal of Clinical Nutrition*, and other high-impact journals. Key platforms include: the ZamCharts cluster-RCT (Zambia; Lead Nutrition Investigator; completed; SQ-LNS reduced stunting by 37% and anemia by 26%); the TB-LION nutritional intervention trial (India; \$2.2M; completed; published findings on nutritional status and tuberculosis outcomes, with pending manuscripts on the effect of nutrition support on immune response to *M. tuberculosis*, including cytokine data presented at the Annual Conference of The Union North

America Region (2026)); the LEAD early childhood development trial (India; \$1.2M, Wellcome Trust India Alliance; active). A growing Ghana platform encompasses SQ-LNS packaging, pediatric TB–nutrition integration, and the **ObaaPa** digital nutrition counseling platform (pending NIH/Fogarty R21/R33, \$848K). These build on postdoctoral research (2016–18) cited in UNICEF and WHO guidance and on ~\$6M in total research support. I currently serve as **Chair of the Global Nutrition Council, American Society for Nutrition (2025–2027)**.

COLLABORATIVE RESEARCH PARTNERSHIPS

A defining feature of my research is its grounding in long-standing, equitable collaborations with government agencies, international organizations, and research institutions across multiple countries. My current partnerships build on over a decade of prior field experience, including positions with the World Food Programme in Uganda (2007–08), the Clinton Foundation in Tanzania (2008–09), and Helen Keller International in Nepal (2010–11), followed by doctoral research in Tanzania and multiple research collaborations in Nepal spanning HKI's IYCF programs, the Bhaktapur infant cohort studies with Tribhuvan University and the University of Bergen, and CDC-supported home fortification evaluations. Since joining BU in 2018, I have built on these foundations to establish funded research platforms involving primary, longitudinal data collection—often from randomized controlled trials and biological specimen collection—with results published in high-impact journals.

- **Ghana:** Ghana Health Service; University of Ghana; Noguchi Memorial Institute for Medical Research; UNICEF Ghana. Active partnerships supporting the SQ-LNS packaging trial, ObaaPa digital nutrition platform, and pediatric TB–nutrition integration assessment. (2024–present)
- **India – Lata Medical Research Foundation (LMRF), Nagpur:** Collaboration through the NICHD Global Network site (PI: Hibberd). Thrasher-funded maternal anemia cohort, LEAD early childhood development trial (Wellcome Trust India Alliance), mentoring of LMRF researchers (Bhaise, Dhurde), and multiple publications on maternal and adolescent nutrition. Established the AMAGI breastmilk biospecimen collection from the A-PLUS azithromycin trial (NEJM 2020) using BU start-up funds; analyses ongoing with LMRF collaborators (Bhaise, DINA Micronutrient Forum grant recipient); publications expected 2027. (2018–present)
- **India – Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry:** Collaboration through the TB-LION nutritional intervention trial (PIs: Hochberg/Sinha; JIPMER PI: Subitha Lakshminarayanan). Lead nutrition and epidemiology investigator; PhD dissertation committee member for Namita Patel (completing 2025; data contributed to WHO Global Gestational Weight Gain Project and ICMR national data call); multiple publications demonstrating that nutritional support influences immune response to Mycobacterium tuberculosis infection, and on maternal nutrition. (2018–present)
- **Zambia:** Centre for Infectious Disease Research in Zambia (CIDRZ); Innovations for Poverty Action (IPA). Lead nutrition investigator on the ZamCharts cluster-randomized trial and related biomarker and microbiome sub-studies; trial completed, manuscripts ongoing. (2019–present)
- **Boston University:** Sargent College (Lauer, Hamer, Avedzi); School of Public Health (Brooks, Rockers, Sabin, Hibberd); Chobanian & Avedisian School of Medicine (Sinha); Questrom School of Business (Kulatilaka); and Boston Medical Center (Horsburgh). Collaborations span nutrition, epidemiology, infectious disease, health economics, and implementation science.
- **Other U.S. and International:** Rutgers University; U.S. Centers for Disease Control and Prevention (home fortification and anemia research in Nepal and DRC); UNICEF Headquarters and country offices (DRC, Nepal, Ghana); WHO (research cited in 2025 TB guidelines). (2016–present)
- **DRC, Madagascar, Nepal (pre-BU):** UNICEF- and CDC-supported evaluations of integrated IYCF and home fortification programs, conducted during postdoctoral fellowship (2016–18). These evaluations produced six first- or senior-authored publications and are cited in UNICEF complementary feeding guidance.

PEER-REVIEWED PUBLICATIONS

Publications Snapshot (as of March 2026)

- **Total Publications:** 52 published peer-reviewed articles spanning global nutrition, maternal–child health, and infectious disease, with 8 additional manuscripts under review or in preparation.
- **First/Senior Authorships:** 23 publications as first or senior author, including joint senior authorships on multi-country trials, with 6 additional first/senior-authored manuscripts under review or in preparation.
- **High-Impact Journals:** Published in *The American Journal of Clinical Nutrition*, *The Lancet Global Health*, *BMJ Global Health*, *Maternal & Child Nutrition*, *The Journal of Nutrition*, and *The Journal of Pediatrics*.
- **Citation Metrics:** 2,813 citations (*Google Scholar*, March 2026; h-index 18; i10-index 35).
- **Collaborative Reach:** Publications with partners in Ghana, India, Zambia, South Africa, Madagascar, the DRC, and Nepal, reflecting a strong record of international team science and mentorship.
- **Research Themes:** Infant and young child feeding (IYCF), micronutrient deficiencies, environmental enteric dysfunction, SQ-LNS implementation, and the influence of nutritional support on immune response to *Mycobacterium tuberculosis* infection.

First and Senior Authorships

(† denotes student mentee)

First/Senior-Authored Manuscripts Under Review or In Preparation

26. VanValkenburg A, Narasimhan PB, Babu S, Cintron C, Maloomian K, Horsburgh CR Jr, Sarkar S, Salgame P, Anurag B, Sinha P, Lakshminarayanan S, **Locks LM**. Gut microbiome changes in adults enrolled in the TB LION nutritional intervention: baseline and endline 16S rRNA profiles from four arms. Target journal: *Frontiers in Immunology* or *BMC Microbiome*. Expected 2026. (co-senior)
25. **Locks LM**, Narasimhan PB, VanValkenburg A, Subramanian L, Anuradha B, Rakesh PS, Sinha P, Lakshminarayanan S, et al. Associations between dietary intake and circulating cytokine profiles among household contacts of individuals with tuberculosis in South India. Target journal: *Frontiers in Immunology*. Expected 2026.
24. **Locks LM**, Narasimhan PB, VanValkenburg A, Subramanian L, Anuradha B, Rakesh PS, Sinha P, Lakshminarayanan S, et al. Longitudinal changes in circulating cytokines following nutritional supplementation among adults with tuberculosis in South India. Target journal: *Clinical Infectious Diseases*. Expected 2026.
23. Leng Y†, **Locks LM**, Chembe M, Billima-Mulenga T, Sikazwe D, Parkerson D, Henderson S, Fink G, Rockers PC, Lauer JM. Associations between gut microbiome diversity, environmental enteric dysfunction, neurocognitive performance, and growth among young children in Zambia: an observational study. Target journals: *American Journal of Clinical Nutrition* or *BMJ Global Health*. Expected 2026. (co-first author)
22. Menon A, Maloomian K, Karoly M, Sinha P, **Locks LM**, Lakshminarayanan S. Association between food insecurity and functional status measured by hand grip strength among household contacts of people living with tuberculosis in South India. Target journals: *Indian Journal of Tuberculosis* or *Indian Journal of Medical Research*. Expected 2026. (co-senior)
21. Lauer JM, Leng Y†, Chembe M, Billima-Mulenga T, Sikazwe D, Parkerson D, Henderson S, Fink G, Rockers PC, **Locks LM**. The effect of 18 months of small-quantity lipid-based nutrient supplements on gastrointestinal health and gut microbiome in children 2–3 years in Zambia. Revised manuscript under consideration at *British Journal of Nutrition*. Expected 2026. (Senior author)

Published

23. **Locks LM**, Parakh A†, Kampli P, Kannan S, Narasimhan PB, Sinha P. The ABCDs of nutritional assessment in infectious diseases research. *Journal of Infectious Diseases*. 2025.

22. **Locks LM**, Stewart CP, Hoffman DJ, Duggan CP. A shock to the global nutrition system: Why nutrition scientists should challenge the dismantling of USAID and the United States' withdrawal from the WHO. *American Journal of Clinical Nutrition*. 2025.
21. Lauer JM, Odom AR, Rani A, Story G, Chembe M, Henderson S, Parkerson D, Fink G, Rockers PC, Sela D, **Locks LM**. Breastfeeding, the gut microbiome, and growth among infants in Lusaka, Zambia. *Journal of Nutrition*. 2025. (senior author)
20. Lauer JM, DeShaw A, Ward I, Hamer DH, **Locks LM**. Use of home fortification products in humanitarian settings: A scoping review. *Maternal & Child Nutrition*. 2025. (senior author)
19. **Locks LM**, Chembe M, Bilima-Mulenga T, Lauer JM, Sizakawe D, Henderson S, Rockers PC, Parkerson D, Fink G. Predictors of stunting and pathway analysis for linear growth among children 2–3 years of age after a trial of SQ-LNS and home-installed growth charts in Zambia. *Journal of Nutrition*. 2025.
18. Lauer JM, Pyykkö J, Chembe M, Bilima-Mulenga T, Sizakawe D, Chibwe D, Henderson S, Parkerson D, Leppänen JM, Fink G, **Locks LM**, Rockers PC. Markers of environmental enteric dysfunction are associated with poor growth and developmental outcomes among young children in Lusaka, Zambia. *Journal of Pediatrics*. 2025. (co-senior author)
17. Lauer JM, Bhaise S, Dhurde V, Gugel A†, Shah M†, Hibberd PL, Patel A, **Locks LM**. Maternal anemia during pregnancy and infant birth outcomes: A prospective cohort study in Eastern Maharashtra, India. *Current Developments in Nutrition*. 2024. (senior author)
16. **Locks LM**, Bhaise S, Dhurde V, Gugel A†, Lauer JM, Shah M†, Goghari A, Hibberd PL, Patel A. The prevalence of anemia during pregnancy and its correlates vary by trimester and hemoglobin assessment method in Eastern Maharashtra, India. *Maternal & Child Nutrition*. 2024.
15. **Locks LM**, Newell K†, Imohe A, Moloney GM, Shaker-Berbari L, Paudyal N, Jefferds MED. The effect of interventions distributing home fortification products on infant and young child feeding practices: A systematic narrative review. *Maternal & Child Nutrition*. 2023.
14. **Locks LM**, Paudyal N, Lundsgaard S†, Thapa LB, Joshi N, Mei LZ, Whitehead RD, Jefferds MED. Prevalence of anemia in children aged 6–23 months and its correlates differ by district in Kapilvastu and Achham districts in Nepal. *Current Developments in Nutrition*. 2023.
13. **Locks LM**, Shah M†, Bhaise S, Hibberd PL, Patel A. Assessing the diets of young children and adolescents in India: Challenges and opportunities. *Frontiers in Pediatrics*. 2022.
12. **Locks LM**, Patel A, Katz E†, Simmons E, Hibberd P. Seasonal trends and maternal predictors of undernutrition and low birth weight in Eastern Maharashtra, India. *Maternal & Child Nutrition*. 2021.
11. Addo OY, Tripp K, Nanama S, Albert B, Sandalinas F, Nanema A, Jefferds ME, Clayton HB, Whitehead RD Jr, Garg A, Kupka R, **Locks LM**. An integrated IYCF and SQ-LNS program is associated with improved gross motor and communication scores of children 6–18 months in the DRC. *Journal of Pediatrics*. 2020;222:154–163. (senior author)
10. **Locks LM**, Nanama S, Addo OY, Albert B, Sandalinas F, Nanema A, Whitehead RD Jr, Garg A, Kupka R, Jefferds ME, Tripp K. An integrated IYCF and SQ-LNS program in the DRC is associated with improvements in breastfeeding and hand-washing behaviors but not dietary diversity. *Maternal & Child Nutrition*. 2019.
9. **Locks LM**, Reerink I, Brown AT, Gnegne S, Ramalanjaona N, Nanama S, Duggan CP, Garg A. The impact of integrated IYCF and micronutrient powder intervention on feeding practices and anemia in children aged 6–23 months in Madagascar. *Nutrients*. 2017.
8. **Locks LM**, Manji KP, McDonald CM, Kupka R, Kisenge R, Aboud S, Wang M, Fawzi WW, Duggan CP. The effect of daily zinc and/or multivitamin supplements on early childhood development in Tanzania: Results from a randomized controlled trial. *Maternal & Child Nutrition*. 2017.
7. **Locks LM**, Manji KP, McDonald CM, Kupka R, Kisenge R, Aboud S, Wang M, Bellinger DC, Fawzi WW, Duggan CP. Infant nutritional status and markers of environmental enteric dysfunction are associated with mid-childhood anthropometry and blood pressure in Tanzania. *Journal of Pediatrics*. 2017.

6. **Locks LM**, Manji KP, Kupka R, Liu E, Kisenge R, McDonald CM, Aboud S, Wang M, Fawzi WW, Duggan CP. High burden of morbidity but not growth failure among HIV-exposed uninfected infants in Tanzania. *Journal of Pediatrics*. 2017.
5. **Locks LM**, Manji KP, McDonald CM, Kupka R, Kisenge R, Aboud S, Wang M, Fawzi WW, Duggan CP. Effect of zinc and multivitamin supplementation on the growth of Tanzanian children aged 6–84 weeks: A randomized, placebo-controlled, double-blind trial. *American Journal of Clinical Nutrition*. 2016.
4. **Locks LM**, Dahal P, Pokharel R, Joshi N, Paudyal N, Whitehead RD Jr, Mei Z, Jefferds MED. Infant and young child feeding (IYCF) practices improved in 2 districts in Nepal during the scale-up of an integrated IYCF and micronutrient powder program. *Current Developments in Nutrition*. 2018.
3. **Locks LM**, Dahal P, Pokharel R, Joshi N, Paudyal N, Whitehead RD Jr, Mei Z, Jefferds MED. Changes in growth, anaemia, and iron deficiency among children aged 6–23 months in two districts in Nepal that were part of the post-pilot scale-up of an integrated infant and young child feeding and micronutrient powder program. *Maternal & Child Nutrition*. 2019.
2. **Locks LM**, Dahal P, Pokharel R, Joshi N, Paudyal N, Whitehead RD Jr, Mei Z, Jefferds MED. Predictors of micronutrient powder (MNP) knowledge, coverage, and consumption during the scale-up of an integrated infant and young child feeding (IYCF–MNP) programme in Nepal. *Maternal & Child Nutrition*. 2019.
1. **Locks LM**, Pandey PR, Osei AK, Spiro DS, Adhikari DP, Haselow NJ, Quinn VJ, Nielsen JN. Using formative research to design context-specific behavior change strategies to improve infant and young child feeding in Nepal. *Maternal & Child Nutrition*. 2015.

Co-Authored Papers

(† denotes student mentee; newest listed first. These publications arise from the collaborative research platforms described above, including the Zambia SQ-LNS trials, TB-LION (India), the NICHD Global Network maternal anemia studies (India), UNICEF-supported home fortification evaluations (DRC, Nepal, Madagascar), and doctoral research in Tanzania. Additional manuscripts from ongoing collaborations are expected 2025–2026.)

Co-Authored Manuscripts Under Review or In Preparation

31. VanValkenburg A, Narasimhan PB, **Locks LM**, Babu S, Maloomian K, Cintron C, Sarkar S, Salgame P, Lakshminarayanan S, Sinha P. Transcriptomic signatures associated with nutritional intervention among adults with latent tuberculosis infection: Findings from the TB LION trial. Target journal: *Frontiers in Immunology* or *Clinical Infectious Diseases*. Expected 2026.
30. Perumal N, Farrar DS, Parkerson D, Lauer JM, **Locks LM**, Chembe M, Henderson S, Billima-Mulenga T, Rockers PC, Fink G. Effect of SQ-LNS on growth and neurodevelopmental outcomes among children born low birthweight in Zambia. Submitted to *Journal of Pediatrics*. Expected 2026.

Published

29. Patel N, Raj R, Sagili H, Sahoo JP, Vairappan B, Kulkarni B, **Locks LM**, Lakshminarayanan S. Postpartum weight change one year after delivery and associated factors among women in Puducherry, South India: Findings from the JANMAM cohort. *International Journal of Gynecology & Obstetrics*. 2026.
28. Lauer JM, Pyykkö J, **Locks LM**, Consigli A†, Chembe M, Billima-Mulenga T, Sikazwe D, Henderson S, Parkerson D, Leppänen JM, Fink G, Rockers PC. Predictors of eye-tracking reaction time among young children in Lusaka, Zambia. *PLOS ONE*. 2026.
27. Carwile ME, Jain K, Dauphinais MR, Cintron C, Janarthanan G, **Locks LM**, Sinha P, Lakshminarayanan S. TB LENS: Perspectives on a nutritional supplementation for persons with TB and their household contacts. *Global Public Health*. 2025.
26. Patel N, Bhatia M, Raman R, Selvaraj S, Bhargava M, **Locks LM**, Hibberd PL. Gestational weight gain and adverse pregnancy outcomes among pregnant women in Puducherry: Results from the JANMAM Pregnancy Cohort. *Indian Journal of Medical Research*. 2025.

25. Sinha A, Bhargava M, Patel AB, Kulkarni A, Jain K, **Locks LM**, Hibberd PL, Sazawal S. PRAYAS: Cohort profile for pooled research and analysis for yielding anemia-free solutions in India. *PLOS ONE*. 2025.
24. Dhürde VS, Patel AB, **Locks LM**, Hibberd PL. Diagnostic performance of red cell indices in detecting iron deficiency among rural adolescent girls aged 14–19 years in Nagpur District. *PLOS Global Public Health*. 2025.
23. Sinha P, Bhargava M, Carwile ME, Dauphinais MR, Tisile P, Cintron C, Lenart A, Hauser J, Oliver M, Mehta S, Finkelstein J, Koura KG, Cegielski JP, Houben R, **Locks LM**, McQuaid F, Bhargava A. A roadmap for integrating nutrition into tuberculosis therapy. *The Lancet Global Health*. 2025.
22. Carwile ME, Jain K, Dauphinais MR, Narasimhan PB, Maloomian K, Rajaram M, Cintron C, McQuaid FC, **Locks LM**, Sabin LL, Lakshminarayanan S, Sinha P. Food insecurity in South Indian households with TB during COVID-19 lockdowns and the impact of nutritional interventions. *PLOS Global Public Health*. 2025.
21. Fink G, **Locks LM**, Lauer JM, Chembe M, Henderson S, Sikazwe D, Bilima-Mulenga T, Parkerson D, Rockers PC. The impact of growth charts and SQ-LNS on child growth in Zambia: A four-arm parallel open-label cluster randomized controlled trial. *BMJ Global Health*. 2024.
20. Dhürde VS, Patel AB, **Locks LM**, Hibberd PL. Anemia prevalence, its determinants and profile of micronutrient status among rural adolescent girls aged 14–19 years in Nagpur District, Maharashtra. *Public Health Nutrition*. 2024.
19. Fink G, Lauer JM, **Locks LM**, Chembe M, Henderson S, Kumwenda C, Sikazwe D, Falgas-Bagué I, Bilima-Mulenga T, Parkerson D, Rockers PC, Leppänen J, Pyykkö J. Study protocol: The impact of growth charts and nutritional supplements on child growth in Zambia (ZamCharts). *BMJ Open*. 2023.
18. Carwile ME, Cintron C, Jain K, Buonomo G, Oliver M, Dauphinais M, Narasimhan PB, Prakash Babu S, Sarkar S, **Locks LM**, Kulatilaka N, Hochberg NS, Lakshminarayanan S, Sinha P. Not business as usual: Engaging the corporate sector in India's TB elimination efforts. *Global Public Health*. 2023.
17. Buonomo G, Acuña-Villaorduna C, Poongothai V, Dharmalingam M, Cintron C, Dauphinais M, Babu SP, **Locks LM**, Sarkar S, Salgame P, Hochberg NS, Lakshminarayanan S, Narasimhan PB, Sinha P. A micro-costing analysis of nutritional support for persons with TB and their families in India. *Public Health Action*. 2023;13(2):60–68.
16. Sinha P, Lakshminarayanan SL, Cintron C, Narasimhan PB, **Locks LM**, Kulatilaka N, Maloomian K, Prakash Babu S, Carwile ME, Liu AF, Horsburgh CR, Acuña-Villaorduna C, Linas BP, Hochberg NS. Nutritional supplementation would be cost-effective for reducing tuberculosis incidence and mortality in India: The ROTI-TB model. *Clinical Infectious Diseases*. 2022;75(4):687–695.
15. Cintron C, Narasimhan PB, **Locks LM**, Babu S, Sinha P, Rajkumari N, Kaipilyawar V, Bhargava A, Maloomian K, Chandrasekaran P, Verma S, Joseph N, Johnson WE, Wanke C, Horsburgh CR, Ellner JJ, Sarkar S, Salgame P, Lakshminarayanan S, Hochberg NS. TB LION: Protocol for an interventional study to decrease TB risk in household contacts. *BMC Infectious Diseases*. 2021;21:865.
14. Addo OY, **Locks LM**, Jeffers ME, Nanama S, Albert B, Sandalinas F, Nanema A, Whitehead RD Jr, Mei Z, Clayton HB. Combined IYCF with SQ-LNS is associated with a reduction in anemia but no changes in anthropometric status of young children in the DRC. *Maternal & Child Nutrition*. 2020.
13. Yam D, Aluisio AR, Perera SM, Peters JL, Cho DK, Kennedy SB, Massaquoi M, Sahr F, Smit MA, **Locks LM**, Levine AC. Association between multivitamin supplementation and mortality among patients with Ebola virus disease: An international multisite cohort study. *African Journal of Emergency Medicine*. 2020;10(1):23–29.
12. Sinha P, Carwile M, Bhargava A, Cintron C, Acuña-Villaorduna C, Lakshminarayanan S, Liu AF, Kulatilaka N, **Locks LM**, Hochberg NS. How much do Indians pay for tuberculosis treatment? A cost analysis. *Public Health Action*. 2020;10(3):118–125.

11. Sania A, Sudfeld CR, Danaei G, Fink G, McCoy DC, Zhaozhong Z, Smith Fawzi MC, **Locks LM**, Fawzi W. Early life risk factors of motor, cognitive and language development: A pooled analysis of studies from low- and middle-income countries. *BMJ Open*. 2019;9(10):e026449.
10. Aluisio AR, Perera SM, Yam D, Garbern S, Peters JL, Abel L, Cho DK, Kennedy SB, Massaquoi M, Sahr F, Brinkmann S, **Locks LM**, Levine AC. Vitamin A supplementation was associated with reduced mortality in patients with Ebola virus disease during the West African outbreak. *Journal of Nutrition*. 2019;149(10):1757–1765.
9. Moucheraud C, Chandyo RK, Henjum S, Strand TA, Ulak M, Fawzi WW, **Locks LM**, Webb P, Thorne-Lyman AL. Engagement in agriculture protects against food insecurity and malnutrition in peri-urban Nepal. *Current Developments in Nutrition*. 2019;3(6):nzz048.
8. Blakstad MM, Smith ER, Etheredge A, **Locks LM**, McDonald CM, Kupka R, Kisenge R, Aboud S, Bellinger D, Sudfeld CR, Fawzi WW, Manji KP, Duggan CP. Nutritional, socioeconomic, and delivery characteristics are associated with neurodevelopment in Tanzanian children. *Journal of Pediatrics*. 2019;210:77–85.
7. Syed S, Manji KP, McDonald CM, Kisenge R, Aboud S, Sudfeld CR, **Locks LM**, Liu E, Fawzi WW, Duggan CP. Biomarkers of systemic inflammation and growth in early infancy are associated with stunting in young Tanzanian children. *Nutrients*. 2018;10(9):1108.
6. Hasan SMT, Rahman S, **Locks LM**, Rahman M, Hore SK, Saqeeb KN, Khan MA, Ahmed T. Magnitude and determinants of inadequate third-trimester weight gain in rural Bangladesh. *PLOS ONE*. 2018;13(6):e0199870.
5. Smith ER, **Locks LM**, Manji KP, McDonald CM, Kupka R, Kisenge R, Aboud S, Fawzi WW, Duggan CP. Delayed breastfeeding initiation is associated with infant morbidity. *Journal of Pediatrics*. 2017;191:57–62.
4. Baidal JAW, **Locks LM**, Cheng ER, Blake-Lamb TL, Perkins ME, Taveras EM. Risk factors for childhood obesity in the first 1,000 days: A systematic review. *American Journal of Preventive Medicine*. 2016;50(6):761–779.
3. Blake-Lamb TL, **Locks LM**, Perkins ME, Woo Baidal JA, Cheng ER, Taveras EM. Interventions for childhood obesity in the first 1,000 days: A systematic review. *American Journal of Preventive Medicine*. 2016;50(6):780–789.
2. Chandyo RK, Henjum S, Ulak M, Thorne-Lyman AL, Ulvik RJ, Shrestha PS, **Locks LM**, Fawzi WW, Strand TA. The prevalence of anemia and iron deficiency is more common in breastfed infants than their mothers in Bhaktapur, Nepal. *European Journal of Clinical Nutrition*. 2016;70(4):456–462.
1. Henjum S, Manger M, Skeie E, Ulak M, Thorne-Lyman AL, Chandyo RK, Shrestha PS, **Locks LM**, Ulvik RJ, Fawzi WW, Strand TA. Iron deficiency is uncommon among lactating women in urban Nepal, despite a high risk of inadequate dietary iron intake. *British Journal of Nutrition*. 2014;112(7):1154–1164.

Selected Student-Led Peer-Reviewed Abstracts and Conference Presentations

(Students are first authors; faculty mentor shown in bold.)

4. Shaw L, DeShaw A, Ward I, Hamer DH, **Locks LM**, Lauer JM. “Use of Home Fortification Products in Humanitarian Settings: A Scoping Review.” *ASN Annual Meeting*, Orlando, FL, 2025 (poster).
3. Naksi K, Sinha P, **Locks LM**. “Creating and Analyzing Dietary Baseline Data to Measure Nutritional Adequacy of Indian Household Contacts of Diagnosed Tuberculosis Patients.” *National Conference on Undergraduate Research (NCUR)*, Long Beach, CA, 2024 (oral).
2. Shah M, Gugel A, Bhaise S, Lauer J, Hibberd PL, Patel A, **Locks LM**. “The Effectiveness of Iron and Folic Acid Supplementation in Reducing the Prevalence of Anemia During Pregnancy Among Women in Eastern Maharashtra, India.” *ASN Annual Meeting*, 2022 (poster).

1. Gugel A, Bhaise S, Lauer J, Hibberd PL, Patel A, **Locks LM**. “Anemia and Iron Deficiency in the First Trimester of Pregnancy Among Women in Eastern Maharashtra, India.” *ASN Annual Meeting*, 2022 (poster).

PRESENTATIONS

International

- 2026 — Selected Participant, U.S.–Africa Frontiers of Science, Engineering and Medicine Symposium, National Academies of Sciences, Engineering and Medicine, Dakar, Senegal.
- 2025 – Invited Symposium Speaker, American Society of Tropical Medicine and Hygiene (ASTMH) Annual Meeting, Toronto, Canada. Symposium: Nutrition and Tuberculosis – A Clear and Present Danger. Presentation: An Overview of Nutrition and Tuberculosis.
- 2025 – Chair/Moderator, 23rd International Congress of Nutrition (IUNS-ICN), Paris, France. Chaired oral session: Public Health and Nutrition Across the Life Cycle.
- 2024 — Keynote Speaker, 9th African Nutrition Conference (ANEC), Cape Coast, Ghana. Presentation: Meals as Medicines – The Case for Nutrition Support in Tuberculosis Programs.
- 2023 — Invited Speaker, Micronutrient Forum 6th Global Conference, The Hague, The Netherlands.
- 2020 — Invited Speaker, Micronutrient Forum 5th Global Conference (Virtual).
- 2019 — Invited Speaker, Assessment of Diet and Nutrition in Resource-Limited Settings, JIPMER, Pondicherry, India.
- 2018 — Poster Presentation, Nutrition Innovation Lab Symposium, Kathmandu, Nepal.
- 2016 — Invited Speaker, UNICEF Workshop on Writing and Publishing Peer-Reviewed Research Papers, Kathmandu, Nepal.
- 2016 — Oral Presentation, Micronutrient Forum 4th Global Conference, Cancun, Mexico.

National (United States)

- 2026 – Oral Abstract Presenter, 30th Annual Conference of The Union North America Region, Philadelphia, PA. Session: Setting the Table: TB and Nutrition (Chair: Sinha). Presentation: Nutrition Support Modulates TB Antigen–Stimulated Cytokine Responses in Undernourished Household Contacts in India.
- 2025 — Speaker/Moderator, Global Nutrition Council Special Session, ASN Nutrition 2025, Orlando, FL.
- 2023 — Invited Speaker, UC Davis Institute for Global Nutrition Seminar Series.
- 2022 — Invited Speaker, Penn State Nutritional Sciences Colloquium.
- 2017 — Invited Speaker, Emory University Rollins School of Public Health Global Health Seminar Series, Atlanta, GA.
- 2017 — Poster Presentation, ASN Annual Meeting, Chicago, IL.
- 2015 — Poster Presentation, Experimental Biology Conference, Boston, MA.

Local / Regional (Boston-Area Institutions)

- 2024 — Invited Speaker, BU Department of Global Health Seminar Series.
- 2024 — Invited Speaker, BU Pardee Global Development Policy Center – Human Capital Initiative Symposium.
- 2024–2021 — Guest Lecturer, BU Sargent College and School of Public Health. Graduate lectures on Undernutrition in Women and Children in LMICs and Nutritional Epidemiology.
- 2022 — Panelist, BU Symposium: Nutrition is Medicine – Epidemiology to Global Application.
- 2019 — Panelist, BU Global Programs International Education Week – The Future of Food and Its Global Impact.

- 2019 — Guest Lecturer, Harvard T.H. Chan School of Public Health. Implementation Science in Nutrition.
- 2018 — Guest Lecturer, BU School of Public Health. Evaluation of an IYCF and MNP Intervention in Nepal.
- 2018 — Invited Speaker, Tufts Friedman School of Nutrition Science and Policy.
- 2017 — Guest Lecturer, Merrimack College; Harvard College Department of Human Evolutionary Biology.
- 2016–2014 — Guest Lecturer / Invited Speaker, Harvard T.H. Chan School of Public Health and Harvard College.
- 2013 — Invited Speaker, Future of Food and Nutrition Conference, Tufts University.
- 2012 — Invited Speaker, Nutrition Seminar, Harvard T.H. Chan School of Public Health.

RESEARCH FUNDING

Since joining Boston University in 2018, I have built an externally funded research portfolio totaling approximately **\$6 million in direct and collaborative support**. This includes approximately **\$389,000 in completed and active awards as PI** and **\$1.45 million in pending submissions as contact PI** (NIH R21/R33 and Weiss Foundation). The remainder reflects multi-institutional platforms on which I serve as Lead Nutrition Investigator or Scientific Co-Lead—named roles with substantive responsibility for study design, data analysis, and publications, distinct from co-investigator contributions. This trajectory—from early-career pilot grants through the Thrasher Research Fund, U.S. CDC, and BU internal mechanisms to current leadership of a cluster-randomized trial (Edesia, \$199K) and two major pending submissions as contact PI (NIH/Fogarty R21/R33 and Weiss Foundation, both March 2026)—reflects a deliberately built funding pipeline now positioned for sustained federal support. Funders include the Edesia Nutrition Innovation Fund, the U.S. CDC, Children’s Relief International, the Thrasher Research Fund, the Wellcome Trust India Alliance, NIH, and multiple Boston University mechanisms.

Active Research Grants

Assessing the Performance of 7-Day vs. 1-Day Packaging for SQ-LNS in Ghana (SQLNS-7Dv1D)

Role: Principal Investigator

Collaborators: University of Ghana; Ghana Health Service; UNICEF Ghana

Sponsor: Edesia Nutrition

Dates: Aug 2025 – Dec 2026 | **Direct Costs:** \$199,000

Goal: Cluster-randomized crossover trial evaluating performance, adherence, and acceptability of two SQ-LNS packaging formats among caregivers of young children in Northern Ghana.

Integrating Nutrition into Pediatric TB Prevention and Treatment in Ghana

Role: Principal Investigator

Collaborators: University of Ghana; Ghana Health Service

Sponsor: BU Global Development Policy (GDP) Center

Dates: Feb 2026 – Jul 2026 | **Direct Costs:** \$15,000

Goal: Policy-oriented implementation readiness assessment on integrating nutrition into routine pediatric TB services in Ghana.

Evaluation of “LEAD” Intervention for Mothers to Improve ECD and Reduce Stunting in India

Role: Scientific Co-Lead (PI: A. Patel, Lata Medical Research Foundation)

Sponsor: DBT / Wellcome Trust India Alliance

Dates: Jan 2024 – Dec 2029 | **Direct Costs:** \$1,200,000

Goal: Multicomponent maternal–child nutrition and early childhood development intervention integrating the M-SAKHI mobile app, phone counseling, and an ECEC curriculum in urban slums of Nagpur, Wardha, and Belagavi.

Anemia, Tuberculosis, and HIV Co-morbidity among Women in South Africa

Role: Co-Investigator (PI: Brooks, BU School of Public Health)

Sponsor: BU Center for AIDS Research (CFAR) Pilot Award

Dates: Jul 2024 – Jun 2026 | **Direct Costs:** \$50,000

Pending Research Grants

ObaaPa: Strengthening Maternal and Child Nutrition through Digital Health in Ghana (R21/R33)

Role: Contact Principal Investigator (MPI with Hayford M. Avedzi, BU)

Sponsor: NIH / Fogarty International Center

Status: Pending (submitted March 2026)

Proposed Dates: Dec 2026 – Nov 2031 | **Total Direct Costs:** \$848,673 | **Total Costs:** \$1,387,582

Integrating SQ-LNS into Pediatric TB Preventive Treatment and TB Care Platforms in Northern Ghana

Role: Contact PI (MPI with Seth Adu-Afarwuah, U. of Ghana; Meredith Brooks, BU SPH)

Sponsor: Weiss Asset Management Foundation

Status: Pending (submitted March 2026)

Total Direct Costs: \$598,894

Completed Research Grants (as PI / Co-PI)

Exploring the Potential for SQ-LNS Programming in Displaced Populations

Role: Lead PI (Co-PIs: Hamer & Lauer) | **Sponsor:** BU Center on Forced Displacement

Dates: Jan–Dec 2024 | **Direct Costs:** \$25,000

Micronutrients, Biomarkers of Gut Health, and Infant Growth in Zambia

Role: Lead PI | **Sponsor:** BU Clinical and Translational Science Institute (CTSI)

Dates: Apr 2022–Mar 2024 | **Direct Costs:** \$50,000

Micronutrient Deficiencies and IYCF (Nepal)

Role: PI | **Sponsor:** U.S. CDC / McKing Consulting

Dates: Apr–Sep 2022 | **Direct Costs:** \$25,000

Iron-Deficiency and Non-Iron-Deficiency Anemia in Pregnancy and Infant Health in Eastern Maharashtra, India

Role: PI | **Sponsor:** Thrasher Research Fund

Dates: Apr 2020–Sep 2022 | **Direct Costs:** \$25,000

Scaling Up Nutritional Interventions to Stop Tuberculosis in India

Role: Co-PI (PI: Hochberg) | **Sponsor:** BU Foundation–India Seed Fund

Dates: 2019–Sep 2020 | **Direct Costs:** \$50,000

Completed International Collaborations and Research Grants

Impact of Growth Charts and Nutritional Supplements on Child Growth in Zambia

Role: Lead Nutrition Investigator; PI and co-PI of biomarker sub-studies (PI: G. Fink, Swiss TPH)

Sponsor: Sint Antonius Stichting | Dec 2019–Dec 2023; \$1,531,116

Impact of Growth Charts and Nutritional Supplements on Micronutrient Status and Biomarkers of Gut Health in Zambia

Role: Lead Nutrition Investigator (PI: Parkerson, IPA)

Sponsor: Children's Relief International | Dec 2021–Aug 2024; \$182,550

TB: Learning the Impact of Nutrition (TB-LION) in India

Role: Lead Nutrition and Epidemiology Investigator (PIs: Hochberg/Sinha, BMC)

Sponsor: Warren Alpert Foundation | Jan 2018–Dec 2024; \$2,200,000

TB-LEOPARD, India

Role: Co-Investigator (PI: Sinha, BMC)

Sponsor: Burroughs Wellcome Fund | Aug 2021–Dec 2025; \$150,000

VITAL-TB in India

Role: Co-Investigator (PI: Hochberg)

Sponsor: Partnership 2020 / U.S. Dept of State | Jan–Dec 2020; \$49,003

Competitive Grant Submissions

These submissions reflect sustained engagement with federal and foundation funders and a deliberately built pipeline toward R-level NIH funding.

ObaaPa: Strengthening Maternal and Child Nutrition through Digital Health in Ghana

Role: PI | **Sponsor:** Melinda Gates Pivotal Foundation | **Year:** 2025

Direct Costs: \$1.6M direct | **Outcome:** Not funded

Nutri-Ped-TB – Integrating Nutrition Support into Pediatric TB Prevention Cascades in South Africa

Role: PI | **Sponsor:** Thrasher Research Fund | **Year:** 2024

Direct Costs: \$499,000 | **Outcome:** Invited for full proposal; not funded

R03 – Azithromycin, the Human Milk Microbiome and Infant Growth in Nagpur, India

Role: PI | **Sponsor:** NIH / NICHD | **Year:** 2023–2024

Outcome: Scored, not funded

K01 – Effect of Intrapartum Azithromycin on Infant Growth and Gut Microbiome in Nagpur, India

Role: PI | **Sponsor:** NIH / NIDDK | **Year:** 2019–2022

Outcome: Scored (impact score: 21), not funded

TEACHING AND MENTORING

My teaching bridges global health, nutrition science, and social justice, emphasizing how evidence-based interventions can reduce inequities in maternal and child health. Drawing on my undergraduate training in history and African studies and my graduate training in public health and nutritional epidemiology, I bring both a humanistic and scientific perspective to understanding health disparities. Since arriving at Boston University in 2018, I have taught three distinct courses, developed two new undergraduate offerings, and mentored more than 20 undergraduate and master's students.

Courses Taught

Note: BU transitioned to a new course evaluation format in 2023. Pre-2023 ratings report separate course and instructor means (1–5 scale). From 2023 onward, a single composite score is reported.

HS 346 – Global Health Nutrition (Undergraduate, Sargent College); 2018–present

Developed this core elective integrating global case studies with nutrition science. Taught 6 semesters.

Pre-2023 format (course / instructor): Fall 2018: 4.72 / 4.94 | Fall 2019: 4.62 / 4.77 | Spring 2021 (virtual): 4.32 / 4.87 | Fall 2022: 4.50 / 5.00

Post-2023 composite: Fall 2023: 4.51 | Fall 2025: 4.08

Averages (pre-2023): Course 4.54/5 | Instructor 4.90/5 (Fall 2024: course release)

HS 444 – Child Health Programs in Low-Resource Settings (Undergraduate, Sargent College); 2019–present

Created a new seminar for Health Science majors. Taught 5 semesters.

Pre-2023 format (course / instructor): Fall 2019: 4.53 / 4.82 | Fall 2022: 4.30 / 4.30

Post-2023 composite: Fall 2023: 4.43 | Fall 2024: 4.55 | Fall 2025: 4.62

Averages (pre-2023): Course 4.42/5 | Instructor 4.56/5

HS 325 – Introduction to Global Health (Undergraduate, Sargent College); Fall 2018

Revised and taught existing undergraduate global health course. 78 students enrolled; 64 respondents (82%).

Course rating: 4.42/5 | **Instructor rating:** 4.66/5

Representative student comments: *“Professor Locks is fantastic – full of energy, passion, knowledge, and provides a unique array of topics and issues in global health.”* *“One of the best instructors at BU.”* *“Professor Locks is wonderfully innovative in teaching methods – she is extremely passionate and is a great instructor.”* *“This has been my favorite Sargent class thus far. Locks is a brilliant teacher with lots of experience.”* *“Dr. Locks is one of the best instructors that I have ever had – one of the best professors who taught for my chemistry degree at BU.”* *“Professor Locks is absolutely fantastic! She reignited my passion for global/public health. Class was always engaging and fascinating.”*

Mentoring

- Supervised more than 20 undergraduate and master’s students through the Global Nutrition Lab since 2018 across independent studies, directed research, practicums, and paid research assistantships. Seven students received BU Undergraduate Research Opportunity Program (UROP) awards; multiple lab students became co-authors on peer-reviewed publications (denoted by † in the publication list).
- Primary academic advisor for approximately 25 students per semester.

UROP Award Recipients:

- Kledion Naksi (Summer 2023, Fall 2023 & Spring 2024): BU Global Challenge Research Award (awarded to only 1–3 undergraduates university-wide annually); presented “Creating and Analyzing Dietary Baseline Data to Measure Nutritional Adequacy of Indian Household Contacts of Diagnosed Tuberculosis Patients” at the National Conference on Undergraduate Research (NCUR)
- Sabrina Lundsgaard (Summer 2022)
- Rebecca Modell (Fall 2021)
- Annalie O’Brien (Summer 2021)
- Lydia Mahan (Summer 2021)
- Christina Paul (Summer 2020)
- Mathew Walker (Fall 2019)

Current Lab Members:

- Yaon Leng – undergraduate, Molecular Biology (starting PhD in Biostatistics, Rutgers University, Fall 2026; co-first author on forthcoming publication)
- Gideon Gyampoh – MPH student (physician from Ghana; matched to Internal Medicine residency, Shannon Medical Center, San Angelo, TX)

Selected Student Outcomes:

- Elizabeth Katz† (MPH, co-authored publication) → Harvard T.H. Chan School of Public Health → Management Sciences for Health (M&E across 18 LMICs) → Population Health Manager, Cascadia Health
- Sabrina Lundsgaard† (BS Nutrition, UROP, co-authored publication) → MPH in Dietetics, University of Toronto (Dalla Lana School of Public Health)
- Miloni Shah† (MPH, co-authored 2 ASN posters + publication) → Biostatistician II, Duke Clinical Research Institute

- Abigail Gugel† (undergraduate mentee, then MPH; co-authored 2 ASN posters + publication; undergraduate student-athlete award; Delta Omega Honorary Society) → BSN, MGH Institute of Health Professions → RN/Triage Nurse, Centre Pediatrics
- Katherine Newell† (MS Nutrition, co-authored MCN systematic review) → Research Dietitian, Community Servings
- Yi Hsin (Rebecca) Lee (undergraduate) → Master's in International Public Health, Johns Hopkins Bloomberg School of Public Health
- Bailey Grinnell Vaselkiv (MPH, RA) → Research Data Analyst, Harvard T.H. Chan School of Public Health
- Alicia Goyski (undergraduate, practicum student) → Northwell Health → Harvard Chan MCH Leadership Fellowship → Associate Director, UnitedHealth Group
- My Linh Trujillo (undergraduate, independent study) → Optometry Student, New England College of Optometry
- Shuhan Yang (undergraduate, independent study) → ScM Candidate in Epidemiology, Johns Hopkins Bloomberg School of Public Health

Cross-University and International Mentoring:

- Pranay Sinha – MD, BU School of Medicine (Co-Scientific Mentor during Infectious Diseases Fellowship, 2021–22; now faculty, Boston Medical Center / Boston University)
- Khalifa Al-Hamad – MS Nutrition & Metabolism, BU School of Medicine (Advisor and First Reader, 2024)
- Mark Suprenant – PhD Biomedical Engineering, BU College of Engineering (Third Reader, completed 2023)
- Varsha Dhurde – Fogarty HBNU Global Health Fellow in Maternal and Child Health, Lata Medical Research Foundation, India
- Shilpa Bhaise – Lata Medical Research Foundation, India (mentored; recipient of DINA Micronutrient Forum grant)
- Dissertation Committee Member – Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), India

SERVICE, LEADERSHIP, AND POLICY IMPACT

International and National Roles

- Chair – Global Nutrition Council (GNC), American Society for Nutrition, 2025–2027; Chair-Elect, 2024–2025
- Member – Operational Research Working Group, SQ-LNS Task Force, 2022–present
- Member – Undernutrition in TB Working Group, International Union Against TB and Lung Disease, 2020–present
- Member – Implementation Science Research Methods Working Group, Society for Implementation Science in Nutrition, 2018–present
- Member – TIARA Affinity Research Collaborative (Tuberculosis Interdisciplinary Approach to Research and Action), BU Evans Center for Interdisciplinary Biomedical Research, 2021–present

Professional Societies

- American Society for Nutrition (ASN), Member, 2011–present (Chair, GNC, 2025–27; Chair-Elect, 2024–25; Early Career Rep, 2019–22)
- International Society for Research in Human Milk and Lactation (ISRHML), Member, 2018–present
- Society for Implementation Science in Nutrition, Member, 2018–2020
- International Union Against TB and Lung Disease (The Union), Member, 2020–present
- SQ-LNS Task Force, Operational Research Working Group, 2022–present

Scientific Grant and Abstract Review

- Ad hoc Reviewer – Health Behavior & Context Study Section, NICHD (2024)
- Ad hoc Reviewer – Medical Research Council, United Kingdom (2018, 2023)
- Ad hoc Reviewer – Auckland Medical Research Foundation, New Zealand (2023)
- Ad hoc Reviewer – NICHD Special Emphasis Panels: “Role of Nutrition in Care and Development of Preterm Infants” and “Human Milk as a Biological System” (2022)

Journal Peer Review

Ad hoc reviewer for: Maternal & Child Nutrition, The American Journal of Clinical Nutrition, The Journal of Nutrition, The Journal of Pediatrics, BMJ Global Health, Current Developments in Nutrition, Public Health Nutrition, Nutrients, British Journal of Nutrition, Global Public Health, BMC Infectious Diseases, Frontiers in Pediatrics.

Institutional Service – Boston University

- Chair – Search Committee, Clinical Assistant Professor in Environmental Health / Data Science, 2023–24
- Member – Sargent College Task Force on Faculty Searches, 2024
- Faculty Board Member – Wheelock Institute for Early Childhood Well-Being, 2022–present
- Member – Curriculum Revision Committee, Health Science Program, 2019–2021
- Member – Department of Health Sciences Search Committee, 2019–2020

Policy and Global Health Impact

My research has directly informed global nutrition and TB policy through collaborations with WHO, UNICEF, and the U.S. CDC. Selected policy citations:

- **WHO (2025).** *Consolidated Guidelines on TB: Module 5 – Undernutrition.* Cites Sinha et al., 2022 (ROTI-TB) cost-effectiveness study.
- **UNICEF (2020).** *Programming Guidance: Complementary Feeding.* Cites Locks et al., 2017 (Nutrients) Madagascar study.
- **UNICEF (2023).** *Home Fortification with Multiple Micronutrient Powders.* References Locks et al., 2023 systematic review.
- **UNICEF (2023).** *Age Prioritization of Nutrition Interventions.* Draws on Locks et al., 2023 IYCF/home-fortification evidence.
- **UNICEF (2023).** *Regional Landscape on Young Children’s Diets in West and Central Africa.* References Locks et al., 2019.
- **U.S. CDC (2018–2023).** Programmatic briefs on home fortification and anemia prevention draw on collaborative research in Nepal, Madagascar, and DRC.

Programmatic Reach

- Zambia SQ-LNS trials and other SQ-LNS research informed UNICEF- and foundation-funded LNS programs across Africa.
- ROTI-TB and TB-LION studies are shaping WHO guidance on nutrition–TB integration.
- Collaboration with the Ghana Health Service on ObaaPa is informing national digital nutrition counseling for the first 1,000 days and the integration of nutrition support into the national TB program.

SELECTED HONORS & RECOGNITION

- 2026 – Selected Participant, U.S. National Academies of Sciences, Engineering & Medicine, U.S.–Africa Frontiers of Science, Engineering and Medicine Symposium, Dakar, Senegal
- 2025 – Elected Chair, Global Nutrition Council, American Society for Nutrition (2025–2027)
- 2016, 2015, 2014 – Distinction in Teaching, Derek Bok Center for Teaching and Learning, Harvard University

- 2011 – Sidney Kark Award in Epidemiology, Columbia University Mailman School of Public Health

MEDIA AND VISIBILITY

- “Dismantling USAID and Withdrawing from WHO ‘Will Cost Lives and Destroy Critical Infrastructure.’” *The Brink* / BU Today, 2025. (Feature based on first-authored commentary in *American Journal of Clinical Nutrition*)
- Interviewee – Health Matters Podcast, BU Sargent College, Episode on “Building Global Collaborations in Nutrition Research,” 2025
- Quoted in *Le Monde* (France) feature on global nutrition and maternal–child health, 2025
- “Strengthening Nutrition with Women and Children.” *Inside Sargent*, 2025; featured on BU Today homepage