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Curriculum Vitae Lindsey Mina Locks

WORK ADDRESS:

Department of Health Sciences

Boston University College of Health and Rehabilitation Sciences: Sargent College
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EDUCATION

2016 Doctor of Science (ScD), Harvard University: Harvard TH 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: College of Health and Rehabilitation Sciences: Sargent College, Department of Health Sciences

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, New York.

2016-2018 Postdoctoral Research Fellow, Harvard University: Harvard TH Chan School of Public Health, Department of Nutrition

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

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,

TEACHING EXPERIENCE

Courses Taught:

2018-present Global Health Nutrition, undergraduate course at Boston University: College of Health and Rehabilitation Sciences: Sargent College, Department of Health Sciences

2018-present Introduction to Global Health, undergraduate course at Boston University: College of Health and Rehabilitation Sciences: Sargent College, Department of Health Sciences

2017-2018 Introduction to Global Health, undergraduate student course at Tufts University: School of Arts and Sciences, Department of Community Health

2012-2016 Head Teaching Fellow for 'Nutrition & Global Health', undergraduate course at Harvard University: College of Arts and Sciences

2015 Head Teaching Fellow for 'Entrepreneurial solutions to social problems in emerging economies', a mixed undergraduate and graduate student course listed at all schools within Harvard University

2014 Teaching Fellow for 'Entrepreneurial solutions to social problems in emerging economies', a mixed undergraduate and graduate student course listed at all schools within Harvard University

2013 Teaching Fellow for 'Nutrition Myths and Paradigms: an Introduction to Nutritional Epidemiology' an undergraduate course at Harvard University: College of Arts and Sciences

2013 Teaching Assistant for 'Obesity Epidemiology', a graduate student course at the Harvard TH Chan School of Public Health.

RESEARCH EXPERIENCE

2016-2018 Research Consultant, United Nations Children's Fund (UNICEF), New York, NY.

2011-2014	Research Associate – Harvard TH Chan School of Public Health, ‘Child2: A Trial of Zinc and Micronutrients in Tanzanian Children’ NIH & Gates Foundation funded research in Dar es Salaam, Tanzania.
2014-2015	Research Consultant – Massachusetts General Hospital, Boston, Massachusetts, ‘Obesity Prevention in the First 1,000 Days’, Robert Wood Johnson Foundation funded research based in Boston, MA.
2011-2013	Research Associate – Harvard TH Chan School of Public Health, ‘Nutrition Innovation Lab’ USAID funded research in Kathmandu, Nepal.

PUBLICATIONS

Published peer-reviewed original research articles:

1. **Locks, L.M.**, Dahal, P., Pokharel, R., Joshi, N., Paudyal, N., Whitehead, R., Chitekwe, S., Mei, Z., Lamichhane, B., Gaarg, A., Jefferds, ME. Integrated micronutrient powder and infant and young child feeding (IYCF) program associated with improved IYCF practices in Nepal. *Current Developments in Nutrition*, 2018.
2. Hasan, T.S.M., Rahman, S., Khan, A., **Locks, L.M.**, Rahman, M., Hore, S.K., Saqeeb, K.N., Ahmed, T., Magnitude and determinants of inadequate third-trimester weight gain in rural Bangladesh. *Plos One*, 2018.
3. **Locks, L.M.**, Reerink, I., Brown, A.T., Gnegne, S., Ramalanjaona, N., Nanama, S., Duggan, C.P., Garg, A., The Impact of Integrated Infant and Young Child Feeding and Micronutrient Powder Intervention on Feeding Practices and Anemia in Children Aged 6-23 Months in Madagascar. *Nutrients*, 2017.
4. **Locks, L.M.**, Mwiru R.S., Mtisi E., Manji K.P., McDonald C.M., Liu E., Kupka R., Kisenge R., Aboud S., Gosselin K., Gillman M., Gewirtz A.T., Fawzi W.W., Duggan C.P., Infant nutritional status and markers of environmental enteric dysfunction are associated with mid-childhood anthropometry and blood pressure in Tanzania. *The Journal of Pediatrics*, 2017.
5. **Locks, L.M.**, Manji, K.P., McDonald, C.M., Kupka, R., Kisenge, R., Aboud, S., Wang, M., Fawzi, W.W., Duggan, C.P., High Burden of Morbidity and Mortality but Not Growth Failure in Infants Exposed to but Uninfected with Human Immunodeficiency Virus in Tanzania. *The Journal of Pediatrics*, 2016.
6. **Locks, L.M.**, Manji, K.P., McDonald, C.M., Kupka, R., Kisenge, R., Aboud, S., Wang, M., Fawzi, W.W., Duggan, C.P., The effect of zinc and multiple micronutrient supplements on growth in Tanzanian infants. *American Journal of Clinical Nutrition*, 2016.
7. **Locks, L.M.**, Manji, K.P., McDonald, C.M., Kupka, R., Kisenge, R., Aboud, S., Wang, M., Bellinger, D.C., Fawzi, W.W., Duggan, C.P., The effect of multiple micronutrient

and zinc supplements on early childhood development in Tanzanian infants, *Maternal & Child Nutrition*, 2016.

8. **Locks, L.M.**, Pandey P.R., Osei A.K., Spiro D.S., Adhikari D.P., Haselow N.J., Quinn, V.J., Nielsen J.N., Using formative research to design a context-specific behaviour change strategy to improve infant and young child feeding practices and nutrition in Nepal. *Maternal & Child Nutrition*, 2013.
9. Smith, E.R., **Locks, L.M.**, Manji, K.P., McDonald, C.M., Kupka, R., Kisenge, R., Aboud, S., Fawzi, W.W., Duggan, C.P., Delayed Breastfeeding Initiation is associated with Infant Morbidity. *Journal of Pediatrics*, 2017.
10. Baidal, J.A.W., **Locks, L.M.**, Cheng, E.R., Blake-Lamb, T.L., Perkins, M.E., Taveras, E.M., Childhood Obesity Prevention in the First 1000 Days: Systematic Review of Modifiable Risk Factors from Conception to Age 2 Years. *American Journal of Preventative Medicine*, 2016.
11. Blake-Lamb, T.L., **Locks, L.M.**, Perkins, M.E., Baidal, J.A.W., Cheng, E.R., Taveras, E.M., Obesity Prevention in the First 1000 Days: A Systematic Review of Evidence and Consideration of Conceptual Frameworks and Opportunities for Early Life Interventions. *American Journal of Preventative Medicine*, 2016.
12. Chandyo, R.K., Henjum, S., Ulak, M., Thorne- Lyman, A.L., Ulvik, R.J., Shrestha, P.S., **Locks, L.M.**, Fawzi, W.W., Strand, T.A., The prevalence of anemia and iron deficiency are more common in breastfed infants than their mothers in Bhaktapur, Nepal. *European Journal of Clinical Nutrition*, 2015.
13. Henjum S., Manger, M., Skeie, E., Ulak, M., Thorne-Lyman, A.L., Chandyo, R., Shrestha, P.S., **Locks, L.M.**, Ulvik, R.J., Fawzi, W.W., Strand, T.A., Iron deficiency is uncommon among lactating women in urban Nepal, despite a high risk of inadequate dietary iron intake. *British Journal of Nutrition*, 2014.

Peer-reviewed original research articles under review:

1. **Locks, L.M.**, Dahal, P., Pokharel, R., Joshi, N., Paudyal, N., Whitehead, R., Chitekwe, S., Mei, Z., Lamichhane, B., Gaarg, A., Jefferds, ME. Predictors of micronutrient powder (MNP) knowledge, coverage and consumption during the scale-up of an integrated infant and young child feeding (IYCF-MNP) program in Nepal. Under review at *Maternal and Child Nutrition*.
2. **Locks, L.M.**, Dahal, P., Pokharel, R., Joshi, N., Paudyal, N., Whitehead, R., Chitekwe, S., Mei, Z., Lamichhane, B., Gaarg, A., Jefferds, ME. Integrated micronutrient powder and infant and young child feeding (IYCF) program associated with improved growth and iron status in Nepal. Under review at *Maternal and Child Nutrition*.

3. **Locks, L.M.**, Nanama, S., Addo, Y., Albert, B., Sandalinas, F., Nanema, A., Whitehead, R., Garg, A., Kupka, R., Jefferds, ME, Tripp, K. A Combined Infant and Young Child Feeding (TYCF) and Small-Quantity Lipid-Nutrient Supplementation (SQ-LNS) Program in Democratic Republic of Congo is Associated with Improvements in Selected IYCF Practices. Under review at *Maternal and Child Nutrition*.
4. Sania, A., Sudfeld, C.R., Danaei, G.... **Locks, L.M.**,... Fawzi, W.W. Early life risk factors of motor, cognitive, and language development: a pooled analysis of prospective cohorts. Under review at *Journal of Pediatrics*.
5. Moucherraud, C., Chandyo, R.K., Henjum, S., Strand, T.A., Ulak, M., Fawzi, W.W., **Locks, L.M.**, Shrestha, P.S., Webb, P., Thorne-Lyman, A.L., Engagement in agriculture protects against food insecurity and adverse child nutritional outcomes in a peri-urban population in Nepal. Under review at *Global Food Security*.
6. Blakstad, M.M., Smith, E.R., Etheredge, A., **Locks, L.M.**, McDonald, C.M., Kupka, R., Kisenge, R., Aboud, S., Bellinger, D., Fawzi, W.W., Manji, K.P., Duggan, C.P., Socio-Economic, Delivery and Growth Characteristics Predict Neurodevelopment in Tanzanian Infants. Under review at the *Journal of Pediatrics*.
7. Sayed, S., Manji, K.P., McDonald, C.M., Kisenge, R., Aboud, S., Sudfeld, C., **Locks, L.M.**, Liu, E., Fawzi, W.W., Duggan, C.P. Biomarkers of Systemic Inflammation and Growth are Associated with Stunting in Young Tanzanian Children. Under review at *Nutrients*.

Abstracts

1. **Locks L.M.**, Shrestha, R., Ghosh, S., Davis, D., Kedar B.P., Webb, P. Understanding nutrition capacities of Front Line Workers' (FLWs) in implementation of integrated nutrition programs in Nepal. Annual Scientific Symposium, Kathmandu, Nepal, 2018.
2. **Locks, L.M.**, Dahal, P., Pokharel, R., Joshi, N., Paudyal, N., Whitehead, R., Chitekwe, S., Mei, Z., Lamichhane, B., Gaarg, A., Jefferds, ME. Predictors of micronutrient powder (MNP) knowledge, coverage and consumption during the scale-up of an integrated infant and young child feeding (IYCF-MNP) program in Nepal. American Society for Nutrition, 2018.
3. **Locks, L.M.**, Mwiru R.S., Mtisi E., Manji K.P., McDonald C.M., Liu E., Kupka R., Kisenge R., Aboud S., Gosselin K., Gillman M., Gewirtz A.T., Fawzi W.W., Duggan C.P., Infant nutritional status and markers of environmental enteric dysfunction are associated with mid-childhood anthropometry and blood pressure in Tanzania. The Federation of American Societies for Experimental Biology (FASEB), 2017.
4. Baidal, J.A.W., **Locks L.M.**, Cheng E.R., Blake-Lamb T.L., Perkins M.E., Taveras E.M., Childhood Obesity Prevention in the First 1000 Days: Systematic Review of Modifiable

Risk Factors from Conception to Age 2 Years. Poster abstract presentation at: The Obesity Society Annual Meeting, New Orleans, LA, 2016.

5. **Locks, L.M.**, Manji, K.P., McDonald, C.M., Kupka, R., Kisenge, R., Aboud, S., Wang, M., Fawzi, W.W., Duggan, C.P., The effect of zinc and multiple micronutrient supplements on growth in Tanzanian infants. The Federation of American Societies for Experimental Biology (FASEB) Journal, 2015.
6. Chandyo, R., Thorne-Lyman, A.L., Ulak, M., Shrestha, P., Fawzi, W.W., **Locks, L.M.**, Henjum S., Strand T., The changing dynamics of maternal nutrition in urban Nepal: findings from a longitudinal study in Bhaktapur. The Federation of American Societies for Experimental Biology (FASEB) Journal, 2014.
7. Henjum, S., Manger, M., Chandyo, R., Thorne-Lyman, A.L., Ulak, M., Skeie, E., Shrestha, P.S., **Locks, L.M.**, Ulvik, R., Fawzi, W.W., Strand, T.A., Dietary Iron Intake and Iron Status among Lactating Women in Bhaktapur, Nepal. Annals of Nutrition & Metabolism, 2013.
8. Osei, A.K., Pandey, P.R., Spiro, D., Nielson, J.N., **Locks, L.M.**, Adhikari, D., Household food insecurity is prevalent and predicts stunting among preschool children and anemia among mothers in Baitadi district of Nepal. 7th Asia Pacific Conference on Clinical Nutrition, Bangkok, Thailand, 2011.

HONORS AND DISTINCTIONS

2016	Harvard University: Derek Bok Center - Distinction in Teaching
2015	Harvard University: Derek Bok Center - Distinction in Teaching
2014	Harvard University: Derek Bok Center - Distinction in Teaching
2011	Columbia University: Mailman School of Public Health - Sidney Kark Award in Epidemiology

INVITED PRESENTATIONS

2018	Speaker – Boston University: College of Health and Rehabilitation Colleges: Sargent College. Presentation on: The Global Scale-up of Interventions Using Micronutrient Powders: From Efficacy Trials to Implementation.
2018	Speaker – Tufts University: Friedman School of Nutrition Science and Policy. Presentation on: The nutrition of women and children in low resource settings.

2017 Speaker – Emory University: Rollins School of Public Health, Global Health Seminar Series, Atlanta, Ga. Presentation on: The Global Scale-up of Interventions Using Micronutrient Powders: From Efficacy Trials to Implementation.

2017 Guest Lecturer – Merrimack College, North Andover, MA. Lecture topic: ‘Culture and Health: Infant feeding in Nepal’ for undergraduate ‘Introduction to Global Health’ course

2017 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture topic: ‘Food Security, Nutrition and International Development’ for undergraduate ‘Nutrition & Global Health’ course.

2016 Speaker – Micronutrient Forum Global Conference: Positioning Women’s Nutrition at the Centre of Sustainable Development, Cancun, Mexico. Presentation on: The effect of multiple micronutrient and zinc supplements on early childhood development in Tanzanian infants.

2016 Speaker – Nutrition & Global Health Symposium: Foundations for the Future - Approaches to Advancing Global Nutrition and Early Childhood Development, Harvard TH Chan School of Public Health, Boston, MA. Presentation on: The effect of multiple micronutrient and zinc supplements on early childhood development in Tanzanian infants.

2016 Workshop Leader – Improving Skills in Data Analysis and the Writing and Publishing of Research Papers. UNICEF, Kathmandu, Nepal.

2016 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture topic: ‘Infant and young child feeding, formative research methods and behavior change theory’ for undergraduate course on ‘Nutrition & Global Health’

2015 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture topic: ‘Introduction to Epidemiology and Biostatistics’ for undergraduate course on ‘Nutrition & Global Health’

2015 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture Lecture topic: ‘Infant and young child feeding, formative research methods and behavior change theory’ for undergraduate course on ‘Nutrition & Global Health’

2015 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture topic: ‘Reviewing Key Concepts in Global Health and Nutrition’ for undergraduate course on ‘Nutrition & Global Health’

2014 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture topic: ‘Infant and young child feeding, formative research methods and behavior change theory’ for undergraduate course on ‘Nutrition & Global Health’

2013 Guest Lecturer – Harvard University: Harvard TH Chan School of Public Health, Boston, MA. Lecture topic: ‘Nutrition in Global Health’ for graduate student course on ‘Principles of Nutrition’.

2013 Guest Lecturer – Harvard University: College of Arts and Sciences, Cambridge, MA. Lecture topic: ‘Infant and young child feeding, formative research methods and behavior change theory’ for undergraduate course on ‘Nutrition & Global Health’

2013 Speaker – The Future of Food and Nutrition Conference, Tufts University, Boston, MA. Presentation on: Using formative research to design a context-specific behaviour change strategy to improve infant and young child feeding practices and nutrition in Nepal.

2012 Speaker – Nutrition Seminar, Harvard TH Chan School of Public Health, Boston, MA. Presentation on: Dietary Diversity Scores: a simplified measure of nutrient adequacy?

GRANTS/FUNDING RECEIVED

2016-2018 Principle Investigator for research focusing on implementation research on integrated infant and young child feeding and micronutrient powder interventions (Funded by UNICEF Headquarters: \$160,000 over 2 years)

2014-2016 Recipient of the Muriel K. and David R. Pokross and Joan P. and Ronald C. Curhan Doctoral Student Support Fund in Nutrition Award, Harvard University (Full tuition support + \$25,000 stipend per year)

2011-2013 Recipient of the Oscar Mayer Doctoral Student Support Fund, Harvard University (Full tuition support + \$25,000 stipend per year)

2009-2011 Recipient of the Witten Family Global Health Scholar, Columbia University: Mailman School of Public Health (\$25,000 scholarship)

2007-2008 Princeton-in-Africa Fellow, Princeton University (\$25,000 fellowship)

PROFESSIONAL SOCIETIES

2011-present Member, American Society for Nutrition (ASN)

2016-present Member, American Public Health Association (APHA)

2017-present Member, Society for Implementation Science in Nutrition (SISN); committee member for “implementation research methods” working group

EDITORIAL ROLES

2018-present Peer reviewer - Public Health Nutrition

2017-present Peer reviewer - PLOS One

2017-present Peer reviewer - Current Developments in Nutrition

2017-present Peer reviewer - BMC Public Health

2017-present Peer reviewer - Globalization & Health

2017-present Peer reviewer - Nutrients

2017-present Peer reviewer - Journal of Human Nutrition & Food Science

2017-present Peer reviewer - Journal of Family Medicine & Community Health

2016-present Peer reviewer - Pediatrics

2016-present Peer reviewer - Journal of Pediatrics

2015-present Peer reviewer - Maternal and Child Nutrition