

# ANDREA L. S. BULUNGU, MPH, PHD CANDIDATE

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## EDUCATION

- 2022 (Expected) Ph.D.  
The London School of Hygiene & Tropical Medicine, London, UK  
*Dissertation:* Validation of an automated wearable camera-based image-assisted recall method and the 24-hour recall method for assessing maternal and child dietary diversity and women's time use in rural Uganda
- 2011 M.P.H.  
Washington University in St Louis, St Louis, MO  
Brown School of Social Work
- 2000 B.A. Art History / Studio Art  
Indiana University, Bloomington, IN  
School of Fine Arts

## CONSULTANCIES

- 2021-2022 Develop guidance and an assessment tool for the integration of Water, Sanitation and Hygiene (WASH) interventions in the fisheries and aquaculture sector, World Bank Group
- 2020-2022 Train DHS8 Uganda pilot data collectors to administer nutrition-related sections of the women's questionnaire, and develop research instruments for, facilitate, and analyze cognitive interviews, ICF International
- 2019-2022 Provide technical assistance and contribute to the development and writing of a discussion paper on the integration of nutrition into Universal Health Coverage, World Bank Group
- 2020 Contribute to the development of country-specific adaptations of the Diet Quality Questionnaire, including conducting key informant interviews in countries of Southeast Asia and East Africa, Anna W. Herforth, LLC
- 2020 Develop a compendium of nutrition-sensitive social protection pilot project case studies in Armenia, Kyrgyzstan, Lesotho, Rwanda, and Senegal, including developing research instruments, conducting key informant interviews, and analyzing results, Food and Agriculture Organization of the United Nations
- 2019 - 2020 Contribute to the research design, instrument development, and data analysis plan for a time allocation study in Lao PDR, World Bank Group
- 2019 - 2020 Conduct a systematic literature review on nutrition specific and nutrition sensitive interventions that have a proven effect on improving selected child undernutrition outcomes, and improving outcomes associated with child undernutrition, Independent Evaluation Group (IEG) of the World Bank Group
- 2018 - 2020 Contribute to the design and implementation of nutrition operations in Cambodia, World Bank Group
- 2017 - 2020 Conduct a research study assessing the associations between women's work and child nutrition in Lao PDR and Cambodia, including designing research instruments, facilitating focus group discussions, and contributing to the analysis and interpretation of results, World Bank Group
- 2018 Report on World Bank interventions that have resulted in improved nutrition outcomes and their factors of success, summarize global best practices for nutrition-sensitive

- interventions in key sectors, and identify opportunities for engagement in Papua New Guinea, World Bank Group
- 2016 - 2018 Write an historical overview of nutrition policy in Senegal and manage the delivery of a series of seven other analytical and advisory studies and a Nutrition Investment Case to support the government of Senegal in providing policy and strategic leadership for nutrition, World Bank Group
- 2016 Develop nutrition technical briefs advocating for investing in nutrition in Benin, Burkina Faso, Cote d'Ivoire, and Togo, World Bank Group
- 2016 - 2018 Provide technical assistance to the SecureNutrition Knowledge Platform (SNKP) related to nutrition-sensitive social protection, including contributing to the design and development of the Inter-Agency Social Protection Assessment (ISPA) Food Security and Nutrition (FSN) assessment tool, World Bank Group
- 2015 - 2017 Support the design and delivery of beneficiary workshops promoting health, nutrition, sanitation and hygiene, child education and financial literacy within an unconditional cash transfer program in Sierra Leone, World Bank Group
- 2016 Support the preparation of the UPAVAN (Upscaling Participatory Action and Videos for Agriculture and Nutrition) project in rural Odisha, India, including development of research instruments and the design of an interactive 24-hour dietary recall to assess the diet quality of children 12-23 months, London School of Hygiene & Tropical Medicine
- 2016 Provide technical assistance to incorporate behavioral “nudges” for enhancing nutritional outcomes and nutrition-sensitive productive activities in a social safety net program in Madagascar, World Bank Group
- 2016 Contribute to a proposal for a five-year project using multisectoral approaches to improve the nutritional status of women and young children in the four productive regions of Ethiopia, FHI 360
- 2015 Analyze and summarize the results of a survey on the impact of Ebola Viral Disease on food availability and consumption, and household dietary diversity in two districts of Sierra Leone, Welthungerhilfe
- 2015 - 2016 Lead the development and dissemination of a compendium of case studies on nutrition-sensitive social protection programs from the World Bank and other contributing International Organizations, World Bank Group
- 2015 - 2016 Lead the redesign and expansion and day-to-day administration of the SecureNutrition Knowledge Platform (SNKP), including engagement with internal and external stakeholders on events and knowledge products, World Bank Group
- 2012 Edit a discussion paper written on the double burden of malnutrition, World Bank Group
- 2012 Report on the knowledge products and achievements of the Japan Trust Fund for Scaling Up Nutrition Phase 1, World Bank Group
- 2012 Report on the results of the YouthSave project designed to increase savings and development among low-income youth in Colombia, Ghana, Kenya, and Nepal, and contribute to a series of integrative case studies, Center for Social Development (CSD) at Washington University in St Louis
- 2012 Edit an issue of Ageing International on productive engagement of older adults, Center for Social Development (CSD) at Washington University in St Louis
- 2011 Conduct a study to assess the accessibility, usefulness, and ease-of-use of cancer data for key stakeholders (e.g., policy-makers, health journalists, cancer research communicators, cancer community advocates, the concerned public, and region-specific cancer information-seekers), including development of research instruments, facilitation of key informant

interviews, and analysis, Health Communication Research Laboratory (HCRL), Prevention Institute of California (CPIC), & The Sam Fox School of Design at Washington University in St Louis

## PROFESSIONAL EXPERIENCE

- 2013 - 2015 Nutrition Specialist  
World Bank Group  
Washington, D.C.
- 2012 - 2013 Senior Nutrition Advisor/IYCN  
USAID SPRING Project, Save the Children USA  
Washington, D.C.
- 2010-2013 Research Assistant  
Washington University in St Louis, St Louis, MO, Cap Haitien, Haiti
- 2010 Intern  
Helen Keller International (HKI), Nigeria
- 2009-2011 Research Assistant  
Health Communication Research Laboratory (HCRL), St Louis, MO
- 2002 - 2009 Senior Usability Specialist  
Monsanto Company, St Louis, MO

## PEER-REVIEWED PUBLICATIONS

**Bulungu, A. L. S.**, Palla, L., Priebe, J., Forsythe, L., Katic, P., Varley, G., ... Ferguson, E. L. (Under Review). Validation of an automated wearable camera-based image-assisted recall method and the 24-hour recall method for assessing women's time allocation in rural Uganda.

Kimere, N.C., Namboozee, J., Lim, H., **Bulungu, A.L.S.**, Wellard, K., Ferguson, E.L. (2022). A food-based approach could improve dietary adequacy for 12-23-month-old Eastern Ugandan children. *Maternal & Child Nutrition*.

**Bulungu, A. L. S.**, Palla, L., Priebe, J., Forsythe, L., Katic, P., Varley, G., ... Ferguson, E. L. (2020). Validation of a life-logging wearable camera method and the 24-hour diet recall method for assessing maternal and child dietary diversity. *British Journal of Nutrition*, 1-32. <https://doi.org/10.1017/S0007114520003530>

**Spray, A. L.**, Eddy, B., Hipp, J. A., & Iannotti, L. (2013). Spatial analysis of undernutrition of children in Léogâne Commune, Haiti. *Food & Nutrition Bulletin*, 34(4), 444-461.

## MONOGRAPHS & WORKING PAPERS

Subandoro, A. W., Okamura, K., Mehta, M., Wang, H., Ahluwalia, N., Finkel, E., **Bulungu, A. L. S.**, Dinsa, G., Okara, L., & Wilson, S. (2022). *Positioning Nutrition within Universal Health Coverage: Optimizing Health Financing Levers* (Health, Nutrition, and Population (HNP) Discussion Paper). The International Bank for Reconstruction and Development / The World Bank.

**Spray, A.L.** (2018). Evolution of Nutrition Policy in Senegal. Analysis & Perspective: 15 Years of Experience in the Development of Nutrition Policy in Senegal. The World Bank.

**Spray, A.L.** (2016). Leveraging Social Protection Programs for Improved Nutrition: Report on the Proceedings of the Global Forum on Nutrition-Sensitive Social Protection Programs, 2015. The World Bank.

**Spray, A.L.** (2016). Leveraging Social Protection Programs for Improved Nutrition: Compendium of Case Studies Prepared for the Global Forum on Nutrition-Sensitive Social Protection Programs, 2015. The World Bank.

## INVITED PRESENTATIONS

*Assessing maternal and child dietary diversity and women's time use using automated wearable cameras in Uganda.* Drivers of Food Choice and Innovative Methods and Metrics for Agriculture and Nutrition Actions Stakeholder Dissemination Workshop, Kampala, Uganda, 2 December 2021.

*What can we learn from interventions in nutrition-sensitive social protection?* Economic Policy Research Institute (EPRI) International Training Programme (ITP 322) Social Protection for Sustainable Development, Webinar, 18 October 2021.

*Assessing maternal and child dietary diversity and women's time use using automated wearable cameras in Uganda.* Program in International Nutrition, Cornell University, 7 October 2021.

*Enhancing the impact of social protection programs on food security and nutrition [Panelist].* Food and Agriculture Organization of the United Nations (FAO), 16 September 2021.

*Validation of a life-logging wearable camera method and the 24-hour recall method for assessing dietary diversity and time allocation.* Scuola Specializzazione in Statistica Sanitaria e Biometria, Sapienza Università di Roma, 15 June 2021.

*Validation of a life-logging wearable camera method and the 24-hour diet recall methods for assessing maternal and child dietary diversity [Poster and Elevator Pitch].* 4th Annual Agriculture, Nutrition & Health (ANH) Academy Week. Hyderabad, India. 2019.

*The Feasibility and Acceptability of Information and Communication Technologies (ICTs) for Collection of Diet and Time Use Data [Poster and Elevator Pitch].* 3rd Annual Agriculture, Nutrition & Health (ANH) Academy Week. Accra, Ghana. 2018.

*ICTs for Nutrition and Time Use (INATU) [Elevator Pitch].* Sight and Life Elevator Pitch Contest at the American Society for Nutrition (ASN) Annual Meeting. Boston, MA. 2018.

*Understanding audience needs in finding and using cancer registry data [Poster].* Centers of Excellence in Cancer Communication Research (CECCR) Annual Meeting. St Louis, MO. 2011.

*Improving Young Child Nutrition in Haiti [Poster].* Institute for Public Health Annual Conference. St Louis, MO. 2011.

*Geographical Distribution of Factors Contributing to the Nutritional Status of Children Under-3 in Léogâne Commune, Haiti.* Ashburn Graduate Student Conference. St Louis, MO. 2011.

*Nutrition and health situation of children in pre- and post-earthquake Léogâne Commune, Haiti.* The Children's Nutrition Program of Haiti (CNP). Léogâne Commune, Haiti. 2011.

*Nutrition and health situation of children in pre- and post-earthquake rural Léogâne Commune, Haiti [Poster].* Experimental Biology 2011. Washington, D.C. 2011.

## RESEARCH GRANTS

2018-2020 Co-Investigator. Understanding how dynamic relationships among maternal agency, maternal workload and the food environment affect food choices. Drivers of Food Choice Competitive Grants Program.

## TEACHING EXPERIENCE

### *Co-Instructor*

Global Hunger and Undernutrition, Washington University in St Louis, Brown School of Social Work

### *Guest Lecturer*

Global Health Financing & Infrastructure, Saint Louis University, College for Public Health & Social Justice  
International Food and Nutrition Policies and Programs, George Washington University, Milken Institute School of Public Health

Global Hunger and Undernutrition, Washington University in St Louis, Brown School of Social Work

International Public Health, Washington University in St Louis, College of Arts and Sciences  
Human Computer Interaction, Washington University in St Louis, Department of Computer Science & Engineering  
Software Design and Development Studio, Washington University in St Louis, Department of Computer Science & Engineering  
Web Development, Washington University in St Louis, Department of Computer Science & Engineering

*Teaching Assistant*

Foundations of Geographic Information Systems (GIS) for the Applied Social Sciences, Washington University in St Louis, Brown School of Social Work

**PROFESSIONAL SERVICE**

2021 VISIDA dietary assessment system trialing  
2019 Nutrition Society of Uganda (NSU)  
2015 Junior Researcher Task Force, The 2nd International Conference on Global Food Security

**Peer-Review Editorial Activities**

PLOS ONE  
The Lancet

**Other Peer-Review Activities (Proposals)**

Innovative Metrics and Methods for Agriculture and Nutrition Actions (IMMANA)

**AWARDS AND HONORS**

2018 Sight and Life Elevator Pitch Contest 3<sup>rd</sup> Place Award  
2016 World Bank Group FY16 Human Development Vice-Presidency Team Award  
2016 Delta Omega Honorary Society in Public Health, Gamma Sigma Chapter  
2015 *Brown School Distinguished Alumni Award*  
Washington University in St Louis, Brown School of Social Work  
2010 *Shanti K. Khinduka Fellowship for International Social Work Education*  
Washington University in St Louis, Brown School of Social Work  
2009 *Brown School Scholarship in Health Communications*  
Washington University in St Louis, Brown School of Social Work