

EDUCATION

- 2015 - 2021 **TUFTS UNIVERSITY, FRIEDMAN SCHOOL OF NUTRITION SCIENCE AND POLICY**
Doctor of Philosophy, Food Policy and Applied Nutrition Program
Dissertation title: “Food preferences and values, dietary transition, and food system transformation in Viet Nam and worldwide”.
Committee: Drs. William Masters (Chair), Jennifer Coates, Jessica Fanzo, Norbert Wilson
- 2012 - 2014 **TUFTS UNIVERSITY, SCHOOL OF MEDICINE**
Master of Public Health, Biostatistics and Epidemiology
Capstone: “Nutrient Variability of Infant Foods & Implications for Growth”
- 2012 - 2014 **TUFTS UNIVERSITY, FRIEDMAN SCHOOL OF NUTRITION SCIENCE AND POLICY**
Master of Science, Food Policy and Applied Nutrition Program
Foci: Nutrition Interventions and Development Economics
- 2005 – 2008 **NORTHEASTERN UNIVERSITY**
Bachelor of Arts (with Highest Honors), International Affairs (major), Urban Studies (minor)
Studied abroad: School of International Training in Cameroon (2007)

EXPERIENCE

- 2022 – Present **FHI360: INTAKE – CENTER FOR DIETARY ASSESSMENT**
Senior Technical Advisor (Boston, USA)
- Lead the adaptation of the Global Diet Quality Score (GDQS)-Meal and Menu Metrics
 - Collaborate closely with the World Food Program on school meal related measurement considerations
 - Provide technical assistance on dietary assessment related topics to national governments
 - Manage the INDDEx24 Dietary Assessment Platform and client relationships
- 2020 - 2022 **THE INDDEx PROJECT, TUFTS UNIVERSITY**
Senior Researcher (Boston, USA)
- Analyzed and wrote-up [INDDEx24](#) validation study data for publication in peer-reviewed journal with team
 - Provided technical support, training, and guidance to clients to ensure successful use of INDDEx24
 - Developed strategic relationships with potential institutional partners for adoption of INDDEx24
 - Identified, drafted, and submitted grant proposals for further funding of INDDEx24
 - Presented scientific results from the validation study at research conferences and international venues
 - Designed and developed training and technical support protocols and materials for INDDEx24
 - Collaborated on the development of the sustainability and marketing strategy for INDDEx24
- 2017 - 2020 **THE INDDEx PROJECT, TUFTS UNIVERSITY**
Researcher (Boston, USA and Hanoi, Viet Nam)
- Managed two studies in Viet Nam of the INDDEx24 to test the accuracy and cost-effectiveness
 - Trained 46 enumerators in 24-hour recalls and weighed food records for the feasibility and validation studies
 - Processed dietary data for 24-hour recalls and weighed food records analysis to prepare for analysis
 - Analyzed qualitative data using deductive and inductive thematic analysis with NVivo for INDDEx24
 - Contributed to the drafting and revision process of instruments for the studies and IRB application
 - Managed two research assistants for the continued development of the [Data4Diets](#) platform
 - Analyzed Household Consumption and Expenditure Survey (HCES) data for peer-reviewed publication
 - Coordinated a multi-institutional collaboration with IFPRI and FAO to carry out related HCES research

- 2015 - 2017 **THE INDDX PROJECT, TUFTS UNIVERSITY**
Assistant Researcher (Boston, USA)
- Conducted detailed technical review of food security and nutrition indicators for the Data4Diets platform
 - Managed three research assistants who assisted with drafting the content for the Data4Diets platform
 - Collaborated with international research partners and country stakeholders to develop guidance materials on HCES for wider use
 - Provided critical input and feedback for the ongoing development of INDDX24
 - Developed contacts and led technical assistance exchange with countries interested in adopting INDDX24
- 2015 **FOOD SECURITY INFORMATION NETWORK (FSIN), WORLD FOOD PROGRAM**
Independent Food Security and Nutrition Consultant (Boston, USA & Rome, Italy)
- Reviewed literature and inventoried existing food security and nutrition indicators for FSIN landscape report
 - Created innovative on-line survey to assess food security and nutrition indicators
 - Organized regular meetings with the Technical Working Group and Expert Advisory Panel
- 2014 **FRIEDMAN SCHOOL OF NUTRITION SCIENCE AND POLICY, TUFTS UNIVERSITY**
Data Analyst for the Nutrition Innovation Lab (Boston, USA)
- Analyzed data and developed a preliminary index to measure nutrition governance in Nepal in order to assess the institutional readiness for multi-sectoral nutrition policies
- 2013 **HARVARD FXB CENTER FOR HEALTH & HUMAN RIGHTS, HARVARD SCHOOL OF PUBLIC HEALTH**
Social Accountability Research Assistant (Boston, USA)
- Provided research support on social accountability mechanisms to develop a UNICEF paper entitled *Social Accountability Initiatives to Achieve Results and Equity for Children*
- 2011 **SOMALIA CRISIS MANAGEMENT UNIT, FAO**
Crisis Response Food Security Analyst (Nairobi, Kenya)
- Drafted proposals for funds, wrote policy briefs, provided information to headquarters as requested and supported the crisis response team during the famine in Somalia
- 2010 - 2012 **ECONOMIC & SOCIAL DEPARTMENT, FOOD & AGRICULTURE ORGANIZATION (FAO)**
Food Security Analyst and Research Assistant (Rome, Italy)
- Analyzed data and co-authored a chapter for the State of Food Insecurity (2010) resulting in a High-Level Expert Forum and Agenda for Action on Food Insecurity in Protracted Crises
 - Organized an expert consultation on Impact Evaluation of Food Security Programming
 - Supported the Food Security Information Network Secretariat comprised of FAO, WFP & IFPRI, contributed to background documents, and attended all meetings in Rome & Nairobi
 - Co-organized the International Scientific Symposium on Food and Nutrition Security
 - Assisted in drafting a proposal for a \$35 million grant and provided program management for 13 divisions across three UN agencies
- 2008 - 2009 **NATURAL RESOURCES MANAGEMENT AND ENVIRONMENT DEPARTMENT, FAO**
Research Assistant Intern (Rome, Italy)
- Wrote a paper on market opportunities for producers of organic and fair-trade products and provided research support on organic agriculture in the Pacific Islands
 - Co-facilitated an e-conference on the Organic Research Centers Alliance
- 2007 **OXFAM AMERICA**
Farm Bill and Trade Policy Intern (Boston, USA)
- Wrote policy briefs on the Farm Bill for the Oxfam Action Corps and responded to inquiries on a range of Oxfam's work including fair-trade and US subsidy programs

TEACHING AND MENTORSHIP EXPERIENCE

Adjunct Professor

- Sustainable Agrifood Systems (2024, 2025: ENVS 3315, Boston College)

Co-Instructor

- M&E of Nutrition and Food Security Projects (2022: NUT 217, Friedman School Tufts University)
- Nutrition, Food Security, and Development (2021: NUT 304, Friedman School Tufts University)

Invited Guest Lecturer

- Designing mixed methods studies (2022: NUT 310, Friedman School Tufts University)
- Food security and nutrition: From information to action (2020 - 2023: ECON 3404, Northeastern University)
- Consumer Choice & Economic Incentives (2019 - 2023: NUT 304, Friedman School Tufts University)
- Introduction to Food Security Indicators (2019, NUT 217, Friedman School Tufts University)
- Technology and Global Health (2019, SAR HS 325, Boston University undergraduate)
- Technology and Global Health (2018, CH-56, Tufts University undergraduate)
- Climate Change, Health, Food Security, and Sustainability (2018, CH-56, Tufts University undergraduate)

Graduate Teaching Assistant

- Nutrition, Food Security, and Development (2019, 2020: NUT 304, Friedman School Tufts University)
- Statistical Methods for Nutrition Science and Policy (2016: NUT 207, Friedman School Tufts University)
- Econometric Impact Evaluation for Development (2015: EIB E247, Fletcher School Tufts University)
- Economics for Food Policy Analysis (2014: NUT 237, Friedman School Tufts University)
- Fundamentals of Nutrition Policy and Programming (2013: NUT 203, Friedman School Tufts University)

Lead Instructor

- Stata Workshop Series Lead Instructor (2014: Ginn Library Fletcher School)

Undergraduate Teaching Assistant

- International Food Policy course in Rome, Italy (2008, Northeastern University)

PEER-REVIEWED PUBLICATIONS

1. Schneider, K. R., Bellows, A., Downs, S., **Bell, W.**, Ambikapathi, R., Nordhagen, S., Branca, F., Masters, W. A., & Fanzo, J. C. (2023). *Inequity in access to healthy foods*. The Global Alliance for Improved Nutrition (GAIN). Food System Economics Commission.
2. Coates J., **Bell W.**, Bakun P., Adams, K.P., Somé, J.W., Colaiezzi, B.A., Do, H.T.P., and Rogers, B.L. Accuracy and cost-effectiveness of the INDDEx24 Dietary Assessment Platform in Viet Nam. *British Journal of Nutrition*. 2023;129(10):1751-1764.
3. Adams K.P., **Bell W.**, Somé J.W., Colaiezzi, B.A., Wafa, S., Rogers, B.L., and Coates, J.C. The cost and cost efficiency of conducting a 24-h dietary recall using INDDEx24, a mobile dietary assessment platform, compared with pen-and-paper interview in Viet Nam and Burkina Faso. *British Journal of Nutrition*. 2023;129(3):535-549.
4. Rogers, B.L., Somé, J.W., Bakun, P., Adams, K.P., **Bell, W.**, Wafa, S., and Coates, J.C. Validation of the INDDEx24 mobile app vs. a pen-and-paper 24-hour dietary recall using the weighed food record as a benchmark in Burkina Faso. *British Journal of Nutrition*, 1-42.
5. **Bell W.**, Coates, J., Fanzo, J., Wilson, N., Masters, W.A. (2021). "Beyond price and income: preferences and food values in peri-urban Viet Nam" *Appetite*, 166, 105439.
6. **Bell W.**, Lividini K., Masters, W.A. (2021) "Global dietary convergence from 1970 to 2010 altered inequality in agriculture, nutrition, and health" *Nature Food*, 2(3), 156-165.
7. Flax V., Thakwalakwa C., Schneck C., Stobaugh, H., Phuka, J., Coates, J., Rogers, B., **Bell, W.**, Colaiezzi, B., Muth MK. (2019) "Validation of Digitally Displayed Photographic Food Portion Size Estimation Aids Among Women in Urban and Rural Malawi" *Public Health Nutrition*, 22(17), 3140-3150.
8. Schneck C., Thakwalakwa C., Muth MK., Phuka, J., Coates, J., Rogers, B., Colaiezzi, B., **Bell, W.**, Flax V. (2019) "Optimizing portion-size estimation aids: a formative evaluation in Malawi" *Public Health Nutrition*, 22(17), 3127-3139.
9. **Bell W.**, Coates J., Rogers B., and Bermudez O. (2018) "Getting the Food List "Right": An approach for the development of a comprehensive food list for household food consumption surveys". *Public Health Nutrition* 22(2), 246-256
10. Haber N., Smith E., Moscoe E., Andrews K., Audy R., **Bell W.**, Brennan A., Breskin A., Kane J., Karra M., McClure E., Suarez E., on behalf of the CLAIMS research team. (2018) "Causal language and strength of inference in academic and media articles shared in social media (CLAIMS): a systematic review". *PLoS ONE* 13(5): e0196346.
11. **Bell W.**, Colaiezzi B., Prata C., and Coates J. (2017) "Scaling up Data for Decision-Making in Low-Income Countries: New Technological Frontiers". *Advances in Nutrition*, 8:1-17

12. Gibson R., Charrondiere R., and **Bell W.** (2017) “Measurement Errors in Dietary Assessment Using Self-Reported 24-hour Recalls in Low-Income Countries and Strategies for Their Prevention”. *Advances in Nutrition*, 8:1-12.
13. Coates J., Colaiezzi B., **Bell W.**, Charrondiere UR., and Leclercq C. (2017) “Overcoming dietary assessment challenges in low-income countries: Technological solutions proposed by the International Dietary Data Expansion (INDDEX) Project”. *Nutrients*, 9:289.
14. Masters W., Nene M., and **Bell W.** (2016) “Nutrient Composition of premixed and packaged complementary foods for sale in low- and middle-income countries: Lack of standards threatens infant growth” *Maternal and Child Nutrition*, e12421.
15. Webb P., Ghosh S., Shrestha R., Namirembe G., Gurung S., Sapkota D., **Bell W.**, Davis D., Kennedy E., Neupane S., Manohar S., Baral K. (2016) “Measuring Nutrition Governance: An Analysis of Commitment, Capability, and Collaboration in Nepal”. *Food and Nutrition Bulletin*, 37(4s).
16. Lautze S. **Bell W.**, Alinovi L., and Russo L. (2012) “Early Warning, Delayed Response (again): the 2011 Famine in Somalia”, *Global Food Security Journal*, 1:1, 43-49.

PAPERS IN PREPARATION

1. **Bell, W.**, Masters, W.A., Wilson, N.L.W., Fanzo, J., and Coates, J. Do people eat their food values? Exploratory evidence from peri-urban Viet Nam. *Target Journal: Public Health Nutrition*.
2. **Bell, W.**, Masters, W.A., Wilson, N.L.W., Fanzo, J., and Coates, J. Adapting the Food Choice Values Questionnaire for use in peri-urban Viet Nam: Lessons learned and areas for future research. *Target Journal: Food Quality and Preference*.
3. **Bell, W.**, Wilson, N.L.W., Masters, W.A., Fanzo, J. and Coates, J. Measuring food preferences, motives, and values in low- and middle-income countries: A methods review. *Target Journal: Advances in Nutrition*.

PUBLISHED REPORTS AND WORKING PAPERS

1. Shankar B., Masters W.A., Harris-Fry H., **Bell W.**, Lividini K., Nur H., Zanello G., Srinivasan C.S., Kadiyala S. (2020) “Does equality in agriculture matter for nutrition?” *Working Paper*.
2. Bandyopadhyay A., Azzari C., Haile B., Chungmann K., Alvarez C., Moltedo A., Sattar A., **Bell W.**, Rogers B.L. (2020) “Exploring the Association between Agricultural Production Systems and Household Diets in Viet Nam”. *Working Paper*.
3. Lele U., Masters W., Kinabo J., Meenakshi J.V., Ramaswami B., Tagwireyi J., **Bell W.**, and Goswami S. (2016) “Measuring Food Security and Nutrition: An Independent Technical Assessment and User’s Guide for Existing Indicators”. *Food Security Information Network*.
4. Coates J., Colaiezzi B., **Bell W.**, and Gibson R. (2016) “INDDEX Priority Technical Criteria and Review of Technology-assisted 24-hour Recall Software Program. *INDDEX Project Working Paper*.
5. Masters W., Nene M., and **Bell W.** (2015) “Nutritional Composition of Complementary Foods: Evidence from 109 Commercially Marketed Products in 22 Countries”. *IFPRI Working Paper*.
6. Demeke D., Dawe D., Tefft J., Ferede T., and **Bell W.** (2012) “Trends and Patterns of Stabilizing Price Incentives in Staple Grain Production: Debates and Country Experiences”, *FAO Working Paper* 12-05.
7. Russo L. and **Bell W.** (2010) “Analysis of Aid Flows to Countries in Protracted Crisis” in *The State of Food Insecurity in the World: Addressing Food Insecurity in Protracted Crises*, FAO/WFP.
8. **Bell W.** (2009) “Organic Agriculture and Fair Trade in Pacific Island Countries”, *FAO Working Paper*.

INVITED PRESENTATIONS AND SELECT POSTERS

1. **Bell W.**, Coates, J., Fanzo, J., Wilson, N., Masters, W.A. (2021). “What Matters Most to Consumers in Peri-Urban Viet Nam? An Exploratory Mixed Methods Study Investigating Food Preferences and Values”. *Current Developments in Nutrition*, 5:S2, 549.
2. **Bell, W.**, Coates, J.C., Bakun, P., Somé, J.W., Colaiezzi, B.A., Do, H.T.P., and Rogers, B.L. “The INDDEX24 Dietary Assessment Platform Is As Accurate as Pen-and-Paper 24-Hour Dietary Recall When Compared to a Weighed Food Record Benchmark in Viet Nam”. *Current Developments in Nutrition*, 5:S2, 870.
3. Adams, K.P., **Bell, W.**, Somé, J.W., Colaiezzi, B.A., Wafa, S., Rogers, B.L., and Coates, J.C (2021) “Cost of Conducting a 24-Hour Dietary Recall Using INDDEX24, a Mobile Dietary Assessment Platform, Compared to Pen-and-Paper in Viet Nam and Burkina Faso, *Current Developments in Nutrition*, 5:S2, 620.
4. Somé, J.W., Rogers, B.L., **Bell, W.**, Bakun, P., Wafa, S., Carroll, D.A., and Coates, J.C. (2021). “Omissions, Intrusions, and Use of Standard Recipes in Computer Assisted and Pen and Paper 24-hour Dietary Recalls Compared With Weighed Food Record: Results From Burkina Faso”. *Current Developments in Nutrition*, 5:S2, 883.

5. **Bell W.**, Some J., Colaiezzi B., Wafa S., Do, T.H., Prata C., Rogers B.L., Coates J. (2020) “Validation and user experience study in Viet Nam of INDDEx24: A novel global dietary assessment platform”. ANH, Malawi.
6. **Bell W.**, Coates J., Masters, W.A., and Wilson N. (2020) “Measuring consumer preferences in changing food environments: a methods review”. ASN, Seattle Washington.
7. **Bell W.**, Coates J., Some J., Colaiezzi B., Wafa S., Do, T.H., Zeba A.N., Prata C., Rogers B.L. (2020) “Validation and user experience study of INDDEx24, a novel global dietary assessment platform in Burkina Faso and Viet Nam”. ASN, Seattle Washington.
8. **Bell W.**, Some J., Colaiezzi B., Wafa S., Do, T.H., Prata C., Rogers B.L., Coates J. (2020) “Accuracy of tablet vs. paper based 24-hour individual dietary recall compared to weighed food records in Burkina Faso and Viet Nam”. ICDAM, Wageningen Netherlands.
9. Rogers B.L., Adams K.P., **Bell W.**, Some J., Colaiezzi B., Wafa S., Prata C., Coates J. (2020) “Cost comparison of paper and tablet based 24-hour individual dietary recall”. ICDAM, Wageningen Netherlands.
10. **Bell W.**, Lividini K., and Masters, W. (2019) “Global Inequality in National Food Supplies and Diet-related Health Outcomes. American Society for Nutrition, Baltimore USA.
11. **Bell W.**, Lividini K., and Masters, W. (2018) “Catching up and falling behind: Global inequality of agriculture, food, nutrition and nutrition health outcomes”. Agricultural and Applied Economics Association, Washington D.C.
12. **Bell W.**, Rogers B.L., Prata C., and Coates J. (2018) “Data4Diets: Building Blocks for Diet-Related Food Security Analysis”. American Society for Nutrition, Boston USA.
13. Coates J., **Bell W.**, Bermudez O., and Rogers B. (2017) “Getting the Food List “Right”: Leveraging Household Consumption and Expenditure Surveys for Food Security and Nutrition”. American Society for Nutrition, Experimental Biology, Chicago, Illinois.
14. Coates J., Colaiezzi B., and **Bell W.** (2017) “Technical Specifications for INDDEx24: New Dietary Assessment Technology for Scaling up Individual-level Dietary Data in Low-Income Countries”. American Society for Nutrition, Experimental Biology.
15. **Bell W.** (2016) “Technology-based Tools for Dietary Assessment”, Micronutrient Forum, Cancun Mexico.
16. **Bell W.** (2016) “Innovative Technology and Dietary Assessment in Low-Income Countries” Multimedia Assisted Dietary Management (MADiMa) Workshop, Amsterdam Netherlands.
17. Coates J., **Bell W.**, Colaiezzi B., and Cissé C., (2016) “Scaling up Dietary Data for Decision Making in Africa and Asia: New Technological Frontiers”. American Society for Nutrition, Experimental Biology.
18. **Bell W.**, Saltzman E., and Coates J. (2016) “Accuracy of Self-Reported Dietary Intake in Low- and Middle-Income Countries: A Review of the Literature”. American Society for Nutrition, Experimental Biology.
19. **Bell W.**, Masters W., and Nene M. (2015) “Nutritional Composition of Complementary Infant Foods: Evidence from 109 Products in 22 Low- and Middle-Income Countries”. American Society for Nutrition, Experimental Biology.
20. Webb P. and **Bell W.** (2014) “Measuring the Quality of Nutrition Governance: Exploring Metrics of Individual and Institutional Readiness for Implementing Multi-sectoral Nutrition Policies in Nepal”. The Nutrition Innovation Lab Annual Scientific Symposium, Kathmandu Nepal.
21. **Bell W.** (2014) “Impact evaluation of an at-scale handwashing behavior change intervention in Vietnam”. The Future of Food and Nutrition: A Multidisciplinary Graduate Research Conference, Tufts University, Boston USA, March 29.
22. **Bell W.** and Ota V. (2014) “Women’s empowerment and child nutrition outcomes in Nepal: Evidence using nationally representative data from Nepal”. The Future of Food and Nutrition: A Multidisciplinary Graduate Research Conference, Tufts University, Boston USA, March 29.
23. Maxwell D., **Bell W.**, Maunders N., and Russo L. (2011) “Emerging from Crisis? Food Insecurity and responses in protracted crises.” The World Conference on Humanitarian Studies, Tufts University, Boston USA, June 2 - 5.
24. Alinovi L., **Bell W.**, Maxwell D., and Russo L. (2011) “Principles for engagement in protracted crises: evidence from Somalia.” The World Conference on Humanitarian Studies, Tufts University, Boston USA, June 2 - 5.

NEWS AND MEDIA

- [Podcast](#) interview on the INDDEx Project for the Duke World Food Policy Center with Drs. Kelly Brownell and Jennifer Coates (August 2021)
- [Nature Food “News & Views”](#) coverage of food system inequality research with Dr. William Masters and Keith Lividini (March 2021)
- [New York Times coverage](#) of infant food research with Dr. William Masters and Marc Nene (December 2016)

SERVICE AND OUTREACH

2021 – 2022	Member of the Scientific Committee for the Agriculture, Nutrition and Health Academy Week
2021 – 2022	Member of the Distinction Awards Sub-Committee, Friedman School, Tufts University
2018 – 2021	Member of Professional Network: Agricultural & Applied Economics Association (AAEA)
2017 – 2019	Member, Social Justice Training Sub-Committee, Friedman School, Tufts University
2016 – 2017	Core Member and Primary Reviewer, Health Media Review Project, CLAIMS Study
2013 – 2023	Member of Professional Network: American Society for Nutrition (ASN)

AWARDS, LEADERSHIP & TRAINING

2021	Joan M. Bergstrom Student Award for Excellence in Global Nutrition (<i>Tufts University</i>)
2021	Best Publication Award (Honorable Mention) for International Section (<i>AAEA</i>)
2020	Participated in Unpacking Whiteness Dialogue Group (<i>Tufts University</i>)
2020	Participated in Online Course Development Institute Training Course (<i>Tufts University</i>)
2016 – 2018	Scholarly Travel Awards for conference presentations 2016, 2017, 2018 (<i>Tufts University</i>)
2013 - 2015	Elected Student Representative, Global Nutrition Council (<i>American Society for Nutrition</i>)
2014	Recipient of the Dr. Elie J. Baghdady Memorial Research Assistantship (<i>Tufts University</i>)
2014	Selected participant in the “Aid for Health” Negotiation (<i>Harvard School of Public Health</i>)
2014	Conflict Management and Negotiation training (<i>Massachusetts Institute of Technology</i>)
2014	Gender and Social Analysis training (<i>The Fletcher School, Tufts University</i>)
2012	Impact Evaluation of Food Security Programs Course (<i>American University</i>)
2011	Results Based Management and Logical Frameworks Course (<i>FAO</i>)

COMPUTER SKILLS: Stata, SAS, NVivo, Word, Excel, PowerPoint, Windows, EndNote, Mendeley

EXTENDED FIELD EXPERIENCE: Bangladesh, Cameroon, Ghana, Kenya, Senegal, Viet Nam

JOURNAL PEER REVIEW: American Journal of Clinical Nutrition, British Journal of Nutrition, Food Security, Global Food Security, Journal of African Economies, Journal of Consumer Behavior, Nutrients, PLOSOne, Public Health Nutrition

LANGUAGES: Native English speaker with working knowledge of French and Italian

OTHER: Certified yoga teacher (200-hour yoga teacher training July 2023)