

## **JENNIFER C. COATES, MS; PHD**

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### **EDUCATION**

#### **Doctor of Philosophy in Food Policy and Applied Nutrition, 2006.**

Tufts University Friedman School of Nutrition Science and Policy; Boston, MA

- Dissertation: "Mixed-Method Approaches to Measuring the Experience of Food Insecurity in Bangladesh and Other Developing Countries"
- Committee Chair: Dr. Patrick Webb

#### **Master of Science in Food Policy and Applied Nutrition, 2000.**

Nutrition interventions and humanitarian assistance concentrations

Tufts University Friedman School of Nutrition Science and Policy; Medford, MA

#### **Bachelor of Arts in International Relations, *Magna Cum Laude*, 1994.**

International economic development and Africa region concentrations

Tufts University; Medford, MA

#### **International Environment and Development Program, Fall 1992.**

Food security research focus

The American University; Kenya and Washington, D.C.

#### **Foreign Study Program, Spring 1993.**

University of Sevilla; Sevilla, Spain

### **EMPLOYMENT HISTORY**

#### **CURRENT POSITIONS:**

##### **Associate Professor (2016 - present), Boston, MA.**

Tufts University Friedman School of Nutrition Science and Policy

##### **Senior Researcher (2010 - present), Boston, MA.**

Tufts University Feinstein International Center

#### **PREVIOUS POSITIONS:**

##### **Assistant Professor (2006 - 2016), Boston, MA.**

Tufts University Friedman School of Nutrition Science and Policy

## PREVIOUS POSITIONS, CONT'D:

### Research Manager and Co-Investigator. (2001 - 2003), Bangladesh.

Tufts University Friedman School, for:

- USAID/Food and Nutrition Technical Assistance (FANTA) Project study of food security measurement;
- World Food Programme Income Generation for Vulnerable Group Development (IGVGD) evaluation;
- World Food Programme National School Feeding Program Evaluation;
- Co-designed studies, oversaw data collection, analyzed data, and co-wrote study results.

### Research Assistant. (2000). Medford

Tufts University Friedman School, for World Bank Social Protection Division.

### Program Manager. 1995-1997 (full-time); 1998-2000 (part-time). Boston and field offices (Morocco, Mali, Haiti, Egypt, Eastern Caribbean)

John Snow, Inc. (JSI)/International Division.

- Oversaw the programmatic and administrative operations of large-scale integrated health and nutrition projects.
- Developed winning technical and cost proposals in support of multi-million dollar USAID, ADB, DFID, and World Bank-funded health and nutrition projects.

### Program Associate. June 1994 - May 1995. Boston and field offices (Morocco, Haiti).

John Snow, Inc. (JSI)/International Division.

- Assisted in the financial and administrative management of a \$38 million integrated FP/MCH project in Morocco and a smaller child health project in Haiti.
- Supported the development of technical and cost proposals for large multi-donor funded international health and nutrition projects.

## RESEARCH FUNDING

**Summary:** Since 2006, served as PI or Co-PI of extramurally funded studies worth **\$16.2 million (\$7.2 million as PI, \$9 million as Co-PI)** from the Bill and Melinda Gates Foundation, USAID, United Nations World Food Programme, United Nations Food and Agricultural Organization, Department for International Development and various other government nongovernmental sponsors.

Period	Grant/Study Title	Funder	Amount
2015-2017	Indicators of Affordability of Nutritious Diets in Africa (IANDA) (PI)	Department for International Development through the "Innovative Methods and Metrics for Agriculture and Nutrition Action" (IMMANA) Programme	<b>\$400,000</b> (exact amount depends on exchange rates)
2015-2018	International Dietary Data Expansion (INDDEX) Project (PI)	Bill & Melinda Gates Foundation	<b>\$4,999,911</b>
2011-2016 (Grant)	Grant: Empowering New Generations to Improve Nutrition	USAID/Ethiopia via Save the Children International	<b>\$7,671,570</b> (Overall grant)

<b>Period</b>	<b>Grant/Study Title</b>	<b>Funder</b>	<b>Amount</b>
	and Economic Opportunities (ENGINE) (Co-PI)		
2013-2016 (Sub-study)	<i>Sub-study: Evaluating Multisectoral Strategies for Improved Nutrition and Food Security in Ethiopia: a Panel Study (PI)</i>		<b>\$685,919</b> (sub-study)
2009-2015	Study of Programmatic Sustainability and Exit Strategies in Kenya, Honduras, Bolivia, and India (Co-PI of the Exit Strategies Study; PI of the Kenya sub-study)	USAID via FHI360/Food and Nutrition Technical Assistance (FANTA) Project	<b>\$2,173,612</b> (overall study) <b>\$798,829</b> (Kenya sub-study)
2011-2012	Comparative Analysis of Food Consumption Measurement Methods for Food-Based Micronutrient Programming (PI)	Global Alliance for Improved Nutrition (GAIN)	<b>\$62,133</b>
2010-2011	Assessing Impact of Micronutrient Deficiency Functional Outcomes in Fortification Programming (PI)	Global Alliance for Improved Nutrition (GAIN)	<b>\$133,194</b>
2009-2012	Food by Prescription Impact Study in Ethiopia (Co-I)	Save the Children/Ethiopia and USAID/Ethiopia	<b>\$600,000</b> (approx).
2009-2010	Improving household nutrition and clinical outcomes in HIV treatment programs (PI for Tufts; Co-I of study) <i>Note: Tufts involvement in the contract ended due to circumstances related to the 2010 Haiti earthquake.</i>	NIH R01 through Partners in Health	<b>\$253,629</b>
2009-2013	Study of Livelihood Changes Over Time (LCOT) (Co-PI)	World Vision International/Ethiopia	<b>\$100,000</b>
2009	Assessing Nutritional Vulnerability: An Approach to Integrating VAM and Hunger Mapping Methods (Co-PI)	World Food Programme WFP/VAM, LAC region	<b>\$36,652</b>
2007	Improvement Of Household Food Security and Integrated Basic Services Program Evaluation (PI)	UNICEF/Ethiopia	<b>\$49,958</b>
2006-2007	Dietary Diversity Measurement Study (PI)	WFP: (SENAC) Project	<b>\$55,582</b>

## PUBLICATIONS

TOTAL CITATIONS (GOOGLE SCHOLAR): 2261<sup>1</sup>

- A. DESIGNED RESEARCH OR GUIDED DESIGN OF RESEARCH (PROJECT CONCEPTION, DEVELOPMENT OF RESEARCH PLAN, STUDY OVERSIGHT).
- B. CONDUCTED RESEARCH OR GUIDED CONDUCTION OF RESEARCH (HANDS-ON CONDUCT OF THE EXPERIMENTS AND DATA COLLECTION).
- C. ANALYZED DATA OR GUIDED STATISTICAL ANALYSIS
- D. WROTE OR CO-WROTE PAPER
- E. HAD PRIMARY RESPONSIBILITY FOR FINAL CONTENT
- F. ADVISED STUDENT/TRAINEE CO-AUTHOR

### 1. Refereed Journal Articles

**Coates J.** Rogers BL, Blau A, Lauer J, Roba A. Filling a dietary data gap? A validation of the adult male equivalent method of estimating individual nutrient intakes from household-level data in Ethiopia and Bangladesh. (2017). *Food Policy*, in press.

**Coates J,** Colaiezzi B, Bell W, Charrondiere R, Leclerq C. (2017). Overcoming dietary assessment challenges in low-income countries: technological solutions proposed by the International Dietary Data Expansion (INDDEX) Project. *Nutrients*, 9(3), 289.

Vaitla B, **Coates J,** Glaeser L, Hillbruner C, Biswal P, Maxwell D. (2017). The measurement of household food security: Correlation and latent variable analysis of alternative indicators in a large multi-country dataset. *Food Policy*, 68: 193–205.

Maxwell D, Vaitla B, **Coates J.** (2014). How do indicators of household food insecurity measure up? An empirical comparison from Ethiopia. *Food Policy*, 47: 107-116. <sup>A,C,D</sup>

Lapping K, Frongillo EA, Nguyen PH, **Coates J,** Webb, P and Menon P. (2014). Organizational factors, planning capacity, and integration challenges constrain provincial planning processes for nutrition in decentralizing Vietnam. *Food and Nutrition Bulletin*, 35 (3): 382-391. <sup>A,C,F</sup>

**Coates J.** (2013). Build it Back Better: Deconstructing Food Security for Improved Measurement and Action. *Global Food Security Journal*, 2(3): 188–194. <sup>A,B,C,D,E</sup> (fourth most cited article in GFS Journal, 2013-2017).

Puett C, **Coates J,** Alderman H, Sadler K. (2013). Quality of care for severe acute malnutrition delivered by community health workers in southern Bangladesh. *Maternal and Child Nutrition*, 9 (1): 130-142. <sup>A,C,D,F</sup>

Puett, C; Alderman, H; Sadler, K; **Coates, J.** (2013). Sometimes they fail to keep their faith in us: Community health worker perceptions of structural barriers to quality of care and community utilization of services in Bangladesh. *Journal of Maternal and Child Nutrition*. 11(4): 1011-1022. <sup>A,C,D,F</sup>

**Coates J,** Colaiezzi B, Wirth J, Fiedler J, Rogers B. (2012). A Program Needs-Driven Approach to Selecting Dietary Assessment Methods for Decision-Making in Food Fortification Programs. *Food and Nutrition Bulletin*, 33(3): S146-156. <sup>A,B,C,D,E</sup>

Puett C, **Coates J,** Alderman H, Sadruddin S, Sadler K. (2012). Does greater workload lead to reduced quality of preventive and curative care among CHWs in Bangladesh? *Food and Nutrition Bulletin*, 33(4): 273-87. <sup>A,C,D,F</sup>

<sup>1</sup> Google Scholar, <https://scholar.google.com/citations?user=CMDL0rsAAAAJ&hl=en>. As of April 7, 2016.

Puett C, Sadler K, Alderman H, **Coates J**, Fiedler JL, and Myatt M. (2012). Cost-effectiveness of the community-based management of severe acute malnutrition by community health workers in southern Bangladesh. *Health Policy and Planning*, 38(4): 386-399. <sup>A,C,D,F</sup>

Lapping K, Frongillo E, Studdert L, Menon P, Frongillo EA, Menon P, **Coates J** and Webb P (2012). Prospective analysis of the development of the national nutrition agenda in Vietnam from 2006 to 2008. *Health Policy and Planning*, 27: 32-41. <sup>A,C,D,F</sup>

**Coates J**, Webb P, Houser R, Rogers BL, Wilde P. (2010). "He said, she said": who should speak for households about experiences of food insecurity in Bangladesh? *Journal of Food Security*, 2: 81-95. <sup>A,B,C,D,E</sup>

Maxwell D, Webb P, **Coates J**, Wirth J. (2010). Fit for Purpose? Rethinking Food Security Responses in Humanitarian Crises. *Journal of Food Policy*, 35(2): 91-97. <sup>A,B,C,D</sup>

Ivers I, Cullen, K, Freedberg K, Block S, **Coates J**, and Webb P. (2009). HIV/AIDS, Undernutrition, and Food Insecurity. *Clinical Infectious Diseases*, 49(7): 1096-1102. <sup>B,D</sup>

Fuster, Melissa, M. Mutonyi, R. Houser, and **J. Coates**. (2008). Factors associated with food security optimism in Bangladesh. *Journal of Environmental Hunger and Nutrition*, 3(1) 84-99. <sup>A,B,C,D,F</sup>

**Coates J**, Frongillo EA, Rogers BL, Webb P, Wilde PE, Houser RF. (2006). Commonalities in the Experience of Household Food Insecurity across Cultures: What Are Measures Missing? *Journal of Nutrition* 136: 1438S-1448S. <sup>A,B,C,D,E</sup>

**Coates J**, Wilde PE, Webb P, Rogers BL, and Houser RF. (2006). Comparison of a Qualitative and a Quantitative Approach to Developing a Household Food Insecurity Scale for Bangladesh. *Journal of Nutrition*, 136: 1420S-1430S. <sup>A,B,C,D,E</sup>

Webb P, **Coates J**, Frongillo EA, Rogers BL, Swindale A, and Bilinsky P. (2006). Measuring Household Food Insecurity: Why It's So Important and Yet So Difficult to Do. *Journal of Nutrition* 136: 1404S-1408S. <sup>A,B,C,D,E</sup>

## 2. Peer-reviewed Original Research Reports

Vaitla B, **Coates J**, Maxwell M. (2015). "Comparing Food Security Indicators to Inform IPC Acute Food Security Classification". Washington DC: Food and Nutrition Technical Assistance Project, FHI360. <sup>A,B,C,D</sup>

Rogers B and **Coates J**. (2015). "Sustaining Development: A Synthesis of Results from a Study of Sustainability and Exit Strategies among Development Food Assistance Projects". Washington DC: Food and Nutrition Technical Assistance Project, FHI360. <sup>A,B,C,D,E</sup>

**Coates J**, Kegode E, Galante T, Blau A. (2014). "Development Dynamics: A Post-Program Study of Sustainability and Exit Strategies in Kenya". Washington, D.C.: Food and Nutrition Technical Assistance Project, FHI360. <sup>A,B,C,D,E</sup>

**Coates J**, Colaiezzi B, Wirth J, Fiedler J, Rogers B (2012). “Dietary Assessment Methods for Food Fortification and Other Nutrition Programs”. Joint GAIN and HarvestPlus/IFPRI Working Paper 3. Geneva: Global Alliance for Improved Nutrition.<sup>A,B,C,D,E</sup>

**Coates J**, Colaiezzi B, Kang K, Grewal S, Rosenberg I. (2011). “Functional Outcomes of Common Micronutrient Deficiencies: Implications for Impact Assessment of Fortification Programs”. Geneva: Global Alliance for Improved Nutrition.<sup>A,B,C,D,E</sup>

Deitchler M, Ballard T, **Coates J** and Swindale A. (2010). “Validation of a Measure of Hunger for Cross-Cultural Use”. Washington, D.C.: Food and Nutrition Technical Assistance II Project and UN Food and Agriculture Organisation.<sup>A,B,C,D</sup>

Rogers B, **Coates J**, and Fierstein J. (2010). “Assessing Nutritional Vulnerability: An Approach to Integrating VAM and Hunger Mapping Methods”. World Food Programme/LAC.<sup>A,B,C,D,E</sup>

**Coates J**, Rogers B, Maxwell D, Webb P and Houser R. (2007). “Dietary Diversity Measures in Emergencies”. Rome: SENAC/World Food Programme.<sup>A,B,C,D,E</sup>

**Coates, J.** (2004). “Experience and Expression of Food Insecurity Across Cultures: Practical Implications for Valid Measurement”. Background paper for Food Security Measurement Workshop, April 14<sup>th</sup>-15<sup>th</sup>, 2004. Washington, D.C.: Food and Nutrition Technical Assistance Project, Academy for Educational Development.<sup>A,B,C,D,E</sup>

Rogers B, **Coates J**, and Osei, A. (2004). “School Feeding in Vulnerable Rural Areas and Urban Slums in Bangladesh: An Evaluation of the WFP School Feeding Programme”, Dhaka: World Food Programme/Bangladesh.<sup>A,B,C,D,F</sup>

**Coates J**, Webb P and Houser R. (2003). “Measuring Food Insecurity: Going Beyond Indicators of Income and Anthropometry”. Washington, D.C.: Food and Nutrition Technical Assistance Project, Academy for Educational Development.<sup>A,B,C,D,E</sup>

**Coates J** and Hassan Z. (2002). “School Feeding in Vulnerable Rural Areas and Urban Slums in Bangladesh: A Baseline Report to the World Food Programme/Bangladesh”, Dhaka: World Food Programme/Bangladesh.<sup>A,B,C,D,E</sup>

Webb P, **Coates J**, Houser R, Hassan Z, Zobair M. (2002) “Does Microcredit Meet the Needs of all Poor Women? Constraints to Participation Among Destitute Women in Bangladesh”. Working Paper No. 3, Boston: Tufts University School of Nutrition Science And Policy, Food Policy And Applied Nutrition Program.<sup>A,B,C,D</sup>

**Coates J** and Troy L. (2001). “Accentuate the Positive: Strength-based Approaches to Mobilizing Communities for Healthier Behaviors,” Washington, D.C: Save the Children US and Academy for Educational Development.<sup>A,B,C,D,E</sup>

Rogers, BL and **Coates J.** (2001). “Food-Based Safety Nets and Related Programs”. Washington, D.C.: World Bank Institute.<sup>B,C,D</sup>

### 3. Other Original Research Reports

Bell W, **Coates J**, Rogers B, Bermudez O. (2017) "Getting the Food List "Right": Leveraging Household Consumption and Expenditure Surveys for Food Security and Nutrition," submitted to the Bill and Melinda Gates Foundation.

**Coates J**, Bell W, Colaiezzi B, Cisse C. (2016). "Scaling up Dietary Data for Decision-Making in Low-Income Countries: New Technological Frontiers," *Advances in Nutrition (under review)*.

**Coates J**, Patenaude B, and Rogers BL. (2016). "How Serious Is Intra-Household Nutrient Inequity in Ethiopia?" Save the Children/ENGINE Project.

Masters W, **Coates J**, Kathryn Spielman, Natalie C. Theys, Heneveld K. (2016) "Level and variation of diet quality in rural Ethiopia: Does consumption smoothing maintain household dietary diversity during lean seasons?" Save the Children/ENGINE Project.

Bartone D, Caiafa K, Wickland A, Houser R, **Coates J**. (2016). "Predictors of participation in a country-level nutrition program in Ethiopia." Save the Children/ENGINE Project.

**Coates J** Colaiezzi B, Bell W, and Gibson R. (2015). "INDDX Priority Technical Criteria and Review of Technology-assisted 24-hour Recall Software Programs". Boston: Tufts University, Friedman School of Nutrition Science and Policy.

**Coates J** and Tesema Y. (2015). "Determinants of Participation in the 'Nutrition-sensitive' Agricultural Activities of a Large-scale Integrated Nutrition Program in Ethiopia." Save the Children/ENGINE Project.

**Coates J** and Galante T. Does Smallholder Agricultural Commercialization Lead to Improved Production and Consumption Diversity? An Analysis of the Ethiopian National LSMS Integrated Survey on Agriculture. Save the Children/ENGINE Project.

Maxwell D, **Coates J**, and Vaitla B. (2013). "How Do Different Indicators of Household Food Security Compare?: Empirical Evidence from Tigray". Medford: Tufts University Feinstein International Center.<sup>A,B,C,D</sup>

Sadler K, Bontrager E, Rogers B, **Coates J**, Ghosh S, Kidane Y, Suri D, and Passarelli S. (2012). "Food by Prescription: Measuring the Impact and Cost-Effectiveness of Prescribed Food on Recovery from Malnutrition and HIV Disease Progression among HIV+ Adult Clients in Ethiopia," Medford: Tufts University Feinstein International Center.<sup>A,B,C,D</sup>

**Coates, J** and Kegode E. (2013). "Kenya Exit Strategies Study Rounds 1-3 Research Report," Washington D.C.: Food and Nutrition Technical Assistance Project.<sup>A,B,C,D,E</sup>

**Coates J** and Kegode E. (2011). "Exit Strategies and Sustainability of Title II Programs in Kenya: Round 2 Research Report," Washington, D.C.: Food and Nutrition Technical Assistance Project.<sup>A,B,C,D,E</sup>

**Coates J** and Chalimbaud J. (2012). "Development and Field-Testing of a Standardized Method of Assessing Malnutrition Causality," Paris: Action Against Hunger.<sup>A,B,C,D,E</sup>

**Coates J**, Maxwell D, Tadesse G, Hailu S, Woldegebrial ZN, Gebrekiros A. (2010) "Institutional Assessment Report -- Tsaeda Amba Woreda, Eastern Tigray, Ethiopia," Medford: Tufts University Feinstein International Center. <sup>A,B,C,D,E</sup>

**Coates J** and Kegode E. (2009). "Study of Exit Strategies and Sustainability Among Title II Programs in Kenya: Round 1 Research Report," Washington, D.C.: Food and Nutrition Technical Assistance Project. <sup>A,B,C,D,E</sup>

**Coates JC** and Wirth JP. (2007). "The Evaluation of the Ethiopia Food Security and Woreda Integrated Basic Services Project," Addis Ababa: UNICEF/Ethiopia. <sup>A,B,C,D,E</sup>

Karim R, **Coates J**, Desplats G, Kabir I, Patwari Y, Ortolano S, Schaetzel T, Troy L, Rogers BL, Houser RF, and Levinson FJ. (2002). "Challenges to the Monitoring and Evaluation of Large Nutrition Programs in Developing Countries: Examples from Bangladesh," Working Paper No. 1, Boston: Tufts University School Of Nutrition Science And Policy. <sup>D</sup>

#### 4. Book Chapters

**Coates J**, "Food Security Measurement in Public Health". (2015). In: Ivers L, ed. Food Insecurity and Public Health, Boca Raton: CRC Press, Taylor and Francis Group. <sup>A,B,C,D,E</sup>

Webb P, **Coates J**, Weinberger K. (2001). "Despite discrimination: The success of women farmers in a world of constraints." In: Webb P, Weinberger K, eds. Women Farmers: Enhancing Rights, Recognition and Productivity. Frankfurt, Germany: Lang Verlag, 1-12. <sup>B,C,D</sup>

#### 5. Technical Guides

Chalimbaud J, **Coates J**, Colaiezzi B. (2015). "Nutrition Causal Analysis Guidelines," Paris: Action Contre La Faim. <sup>A,B,D,E</sup>

Deitchler M, Ballard T, **Coates J** and Swindale A. (2012) "Introducing a Simple Measure of Household Hunger for Cross-Cultural Use," Technical Note No. 12. Washington, D.C.: Food and Nutrition Technical Assistance II Project and UN Food and Agriculture Organisation. <sup>A,B,C,D</sup>

Ballard T, **Coates J**., Deitchler M, Swindale A. (2011) "Household Hunger Scale: Indicator Definition and Measurement Guide," Washington, D.C.: Food and Nutrition Technical Assistance II Project. <sup>A,B,C,D</sup>

**Coates J**, Bilinsky P, and Swindale A. (2007). "Household Food Insecurity Access Scale (HFIAS) for Measurement of Household Food Access: Indicator Guide, v3," Washington, D.C.: Food and Nutrition Technical Assistance Project, Academy for Educational Development. <sup>A,B,C,D,E</sup>

**Coates J**, Bilinsky P, and Swindale A. (2005). "Household Food Insecurity Access Scale (HFIAS) for Measurement of Household Food Access: Indicator Guide, v1," Washington, D.C.: Food and Nutrition Technical Assistance Project, Academy for Educational Development. <sup>A,B,C,D,E</sup>

#### 6. Scientific Conference Contributions (\*=invited)



**Coates J** and Rogers B, “Global dietary assessment architecture : Where are we ? Where do we need to be? And how can we get there faster?” ASN Global Nutrition Council, Experimental Biology: Scientific Symposium Chair, Chicago, IL, USA. (April, 2017).

**Coates J**, Bell W, Colaiezzi B, Technical Specifications for INDDEX24: New Dietary Assessment Technology for Scaling up Individual level Dietary Data in Low-Income Countries,” ASN Global Nutrition Council, Experimental Biology, Chicago, IL, USA. (April 2017).

Bell W, **Coates J**, Bermudez O, Rogers, B, “Getting the Food List ‘Right’: Leveraging Household Consumption & Expenditure Surveys for Food Security & Nutrition,” ASN Global Nutrition Council, Experimental Biology, Chicago, IL, USA. (April 2017).

**Coates J** et al, “Scaling up dietary data for achieving diet quality in low income countries: A Global Agenda” Session Theme: Dietary assessment reimaged – using individual dietary intake data for program baseline and impact assessment,” Micronutrient Forum: symposium presenter, Cancun, Mexico. (October, 2016).\*

Herforth A and **Coates J**. “Indicators of Affordability of Nutritious Diets in Africa,” Leverhulme Centre for Integrative Research on Agriculture and Health 4<sup>th</sup> Annual Research Conference, Addis Ababa, Ethiopia (June 2016).\*

**Coates J**, Bell W, Colaiezzi B, Prata C, “Scaling up Dietary Data for Decision-Making in Low-Income Countries: New Technological Frontiers,” ASN Global Nutrition Council, Experimental Biology, San Diego, CA, USA. (April 2016).

Bell W., Saltzman E, **Coates J**, “Variability in Responses to Diet and Food: Accuracy of self-reported dietary intake in low- and middle-income countries: A review of the literature,” ASN Global Nutrition Council, Experimental Biology, San Diego, CA, USA. (April 2016).

Vaitla B, Maxwell D, Glaser L, Hillbruner C, **Coates J**. “Comparing Household Food Security Indicators to Inform IPC Acute Food Insecurity Phase Classification,” Global Food Security Conference. Ithaca NY (October 2015).

**Coates J**. and Galante T. “Agricultural Commercialization, Production Diversity and Dietary Diversity Among Smallholders in Ethiopia: Results from a 2012 National Integrated Agriculture and Socio-economic Survey” [poster], Leverhulme Center for Integrative Research on Agriculture and Health (LCIRAH) Annual Research Conference. London (June 2015).

**Coates J** and Galante T. “Agricultural Commercialization, Production Diversity and Dietary Diversity Among Smallholders in Ethiopia: Results from a 2012 National Integrated Agriculture and Socio-economic Survey” [poster], International Livestock Research Institute. Addis Ababa, Ethiopia (June 2015).

**Coates J** et al. “Which One to Choose?: A Program Needs-Driven Approach to Selecting Dietary Assessment Methods for Decision-Making in Nutrition and Food Security Programs,” Global Micronutrient Forum: symposium presenter, Addis Ababa, Ethiopia. (June 2014).\*

**Coates J**, Kegode E, Blau A, Galante T. “Ensuring Sustainable Benefits of Food Aid Programs: Conceptual Overview and Kenya Study Results,” Experimental Biology: symposium presenter, Boston. (April 2013).\*

**Coates J** and Rogers B, "Estimating Individual Consumption from National Household Consumption and Expenditure Survey Data for Nutrition Programming Decisions in Bangladesh," International Conference on Diet and Activity Methods (ICDAM8), symposium presenter, Rome. (May 2012).\*

**Coates J** et al, "Dietary Assessment Methods for Decision-Making in Food Fortification Programs," FAO International Scientific Symposium on Food Security and Nutrition Measurement: symposium presenter and session chair, Rome. (February 2012).\*

**Coates, J**, Bontrager E, Ghosh S, Suri D, Rogers, B, Kidane Y, Sadler, K. "Persistence Of Recovery From Malnutrition And HIV Progression Among HIV+ Adults Graduating From The Ethiopian Food By Prescription Program," International Congress of Nutrition. Granada, Spain (September 2013).

Sadler K, Bontrager E, Ghosh S, Suri, D, Rogers B, Kidane Y, **Coates J** (*presenter*). "Effectiveness of a Large-Scale Food By Prescription Program In Ethiopia On Recovery From Malnutrition And HIV Progression Among HIV+ Adults," International Congress of Nutrition. Granada, Spain (September 2013).

Rogers B, **Coates J**, et al. "Impact Assessments Conducted At Time Of Exit Inconsistently Predict Longer Term Program Benefit In Title II Food Assistance Programs," International Congress of Nutrition. Granada, Spain (September 2013).

**Coates J**, Stobaugh H, Bontrager E. "Supply and Demand Constraints in the Delivery of a National Food by Prescription Program for HIV+ Individuals in Ethiopia," ASN Global Nutrition Council, Experimental Biology. San Diego (April 2012).

Rogers B, **Coates J**. et al. "Food aid programs: sustaining impacts after program exit," ASN Global Nutrition Council, Experimental Biology. San Diego (April 2012).

**Coates J**, Rogers B, Schoonmaker L, Brewer N. "Domestic Violence and Food Insecurity in Bangladesh," ASN Global Nutrition Council, Experimental Biology. Anaheim (April 2010).

**Coates J**. "Reaching for the Stars? Identifying Universal Measures of Food Insecurity," International Congress of Nutrition: mini-symposium presenter, Bangkok, Thailand. (October 2009).\*

**Coates J**, Wilde P, et al "Comparison of a Qualitative and Quantitative Approach To Developing a Household Food Insecurity Scale for Bangladesh," ASN Global Nutrition Council, Experimental Biology. San Francisco (April 2006).

**Coates, J.**, Webb P, et al. "Why Do Women and Men in the Same Households Respond Differently to Household-level Food Security Questions?," ASN Global Nutrition Council, Experimental Biology. San Diego (April 2005).

**Coates, J.**, Webb P, et al. "Assessing The Dynamics Of Food Insecurity In Bangladesh With a Validated Experiential Measure Of Household Food Security Status," ASN Global Nutrition Council, Experimental Biology. Washington D.C. (April 2004).

Webb P, **J Coates**, and R Houser. "Challenges of Developing a 'Direct Measure' of Hunger and Food Insecurity for Bangladesh: Preliminary Findings from Ongoing Research," International Scientific

Symposium on the Measurement and Assessment of Food Deprivation and Undernutrition. Rome (June 22-26, 2002).

**Coates, J.** "Empowered Women Save Children's Lives: Female Community Health Volunteers and the Nepal National Vitamin A Program," International Women's Conference (ICW). Delhi (1999).

## **TEACHING EXPERIENCE**

### **Tufts University Friedman School of Nutrition Science and Policy**

#### **Course Instructor:**

- Nut 217: Monitoring and Evaluation of Nutrition and Food Security Programs (2008-present)
- Nut 304: Seminar on Food Security, Nutrition, and Development (2006-present)
- NRAK 210: Hybrid Learning M&E Course for Tufts Friedman Ras al Khaimah Hybrid MSc Program (2010-2012)
- NutC 210: Online Certificate: Program Monitoring and Evaluation (2013-2014)

#### **Guest Lecturer:**

- Nut 313: Nutrition Assessment (2010-2016)
- Nut 210: Survey Research (2007-present)
- Nut 229/DHP 230: Humanitarian Action in Complex Political Emergencies (2014)
- Nut 325: Micronutrient Program Interventions
- MPH 222: Survey Research Methods and Data Management (2011)

#### **Teaching Assistant**

- Food Security and Nutrition in Developing Countries (2003)
- Food Policy: Institutions, Analysis and Action (2003-2004)
- Nutrition in Complex Emergencies (2001)

#### **Other Academic Institutions:**

- Brown University: Watson Institute for International Studies, International Advanced Research Institute: Human Security and Humanitarian Response (June 2014 and 2015)
- Harvard University Global Health and Nutrition Course (April 2014 - 2016)
- Brown University (2016-2017).
- Boston University School of Public Health (2004)

## **TUFTS UNIVERSITY AND FRIEDMAN SCHOOL LEADERSHIP AND SERVICE**

#### **Standing Committees:**

- Curriculum and Degrees Committee, Member (2008-present)
- University Social, Behavioral & Educational Research Institutional Review Board (2008-2013)
- Curriculum and Degrees Committee, Elected PhD Representative (2000; 2003-2004)

## **Ad-hoc Committees and Other Service:**

- Faculty Compensation Committee, Member (2016-2017)
- Strategic Planning Working Group for Research, Chair (2015-2016)
- Strategic Planning Working Group for Faculty Affairs, Member (2016)
- Faculty Search Committee, Member (2015-present)
- Presenter to Board of Trustees (2015)
- University representative to the United Nations, Presidents United to Solve Hunger Meeting (2014)
- Friedman School Ad-Hoc Committee on New Faculty Search Priorities, Member (2014)
- Tufts Travel-Learn Faculty Host and Lecturer, Italy (2013)
- Faculty Search Committee, Member (2012)
- Student Research Conference faculty panel moderator and abstract reviewer (2010-2014)
- 'Honorary Faculty Chair' for All-Alumni Reunion (2010)
- Committee to plan social science department strategic planning, Member (2009-2010)
- Ad hoc committee to improve course evaluation process, Member (2009-2010)
- Organized and managed the Friedman Seminar Series (2007)
- Frequent Chair and Examiner of PhD qualifying exams (2006-present)
- Friedman School Strategic Planning Task Force, PhD Representative (2005)
- Appointed by Tufts University Provost to the Friedman Dean Search Advisory Committee (2003-2004)
- Regularly contribute to FPAN, Departmental, and Faculty meetings, town hall meetings, and other symposia and school-wide events.
- Elected student council representative during PhD studies (2003-2004)
- Student leader of "World Hunger Forum" (1998-1999)

## **PROFESSIONAL SERVICE, POLICY ENGAGEMENT, AND OUTREACH**

### **1. Editorial Activities**

- Editorial Board, Global Food Security Journal - Springer (2012-present)
- Associate Editor, Food Security Journal - Elsevier (2009-2014)
- Lead Guest Editor, "Advances in Developing Country Food Insecurity Measurement". Journal of Nutrition 136:1404S-1452S (2006).
- Reviewer, Cornell University Press Food Policy Textbook by Per Pinstrup Andersen et al. (2010)
- Ad hoc reviewer (2006-present): Food Policy, Social Science and Medicine, Food Security Journal, Journal of Global Food Security, Food and Nutrition Bulletin, Maternal and Child Nutrition, Pediatrics, Advances in Nutrition, Journal of Nutrition.

## **2. Invited Expert Advisory Committees, Professional Memberships, and Board Memberships**

- Gallup World Poll technical advisory group for global diet quality assessment, Member (October 2016-present)
- Food Environment Working Group through the “Innovative Methods and Metrics for Agriculture and Nutrition Actions” Program at the Leverhulme Centre for Integrative Research on Agriculture and Health/London School of Hygiene and Tropical Medicine, Member (2016-present).
- FSIN Expert Advisory Group on Food and Nutrition Security Measurement, Member (2015-2016).
- United Nations Inter-Agency Working Group On Agricultural And Rural Statistics: Improving the Measurement of Food Consumption in Household Consumption and Expenditure Surveys, Member (2014-present)
- Scientific Committee on Malnutrition Causal Analysis, Action Contre La Faim, Lead (2010-2014)
- Federation of Massachusetts Farmers Markets Board, Member (2013-2014)
- United Nations Standing Committee on Nutrition M&E Working Group, Member (2009-2010)
- Global Advisor for Oxfam America’s Poverty Footprint Project: “Exploring the Links Between International Business and Poverty Reduction: CocaCola/SAB Miller Value Chain Impacts in Zambia and El Salvador” (2009)
- American Society for Nutritional Sciences (Global Nutrition Council), Member

## **3. Invited Lectures, Seminars, & Expert and Policy-related Consultations**

- Invited Expert Consultation: “Development of innovative active capture imaging or other technologies for assessing individual dietary intake RFP convening,” hosted by Bill & Melinda Gates Foundation (February, 2017).
- Invited Speaker: “Strengthening capacity for data-driven policy and programming decisions that promote healthy diets” Session Theme: Measures to strengthen accountability, resilience, and equity within the food system. FAO/WHO International Symposium on Sustainable Food Systems, Rome, Italy (December 2016).
- Invited discussant: “Reducing measurement error: trade-off between cost and reliability (accuracy + precision),” and “Adherence to standards; List of Food Items,” FAO/World Bank Meeting on Guidelines for Food Data Collection in HCES, Rome, Italy (November, 2016).
- Invited Expert Consultation: Technical Expert Advisory group on nutrition monitoring (TEAM) to develop consensus around indicators of diet quality, hosted by UNICEF/WHO, NY, NY, (February 2016).
- Invited presenter: Ethiopia/ENGINE project final research dissemination workshop, Addis Ababa, Ethiopia (June, 2016).
- Seminar speaker: “Determinants of Participation in Integrated Agriculture and Nutrition Programming,” and “Agriculture Extension Worker Knowledge, Attitudes, and Practices in Supporting Nutrition-Sensitive Agriculture in Ethiopia,” Ethiopia/ENGINE project research dissemination workshop, Addis Ababa, Ethiopia (September, 2015).

- Invited Seminar: “Program Sustainability and Exit Strategies Study Seminar” hosted by USAID/Food for Peace. Washington DC. (July, 2015).
- Invited Lecturer: “Food Security Concepts, Metrics, and Assessment – Opportunities and Challenges”, hosted by Brown University Watson Institute for International Studies, International Advanced Research Institute: Human Security and Humanitarian Response: Providence, RI. (June, 2015).
- Invited Expert Speaker: Expert Meeting of the U.N. FAO Voices of the Hungry Project, hosted by FAO Rome (May, 2015)
- Invited Lecturer. “Multisectoralism and International Nutrition,” hosted by Harvard University Global Health and Nutrition Course (April, 2015).
- Invited Expert Consultation: “Quantifying Sustainable Nutrition Security,” Center for Integrated Modeling of Sustainable Agriculture and Nutrition Security (CIMSANS), hosted by IFPRI: Washington DC. (February, 2015).
- Invited Expert Consultation: “Sustainable Development Goals for Nutrition,” hosted by Bill & Melinda Gates Foundation (December, 2014).
- Invited Expert Consultation: “Minimum Dietary Diversity for Women Measurement Protocols,” hosted by FHI360/FANTA and FAO: Washington D.C. (January, 2015).
- Invited Expert Consultation and Session Chair: “Metrics of Sustainable Diets and Food Systems,” hosted by Bioversity International (Rome) and CIHEAM (Montpellier): Montpellier, France. (June-December, 2014).
- Invited Session Organizer and Facilitator. “Determining individual food consumption from household-level data,” at the ‘Improving the Relevance and Reliability of Food Data from Household Consumption and Expenditure Surveys Meeting’, hosted by FAO/Rome and World Bank: Rome. (November, 2014).
- Invited Speaker: “Diet Quality: A Missing Link,” at the ‘Gates Grand Challenges Meeting: Nutrition and Agriculture Track’, hosted by the Bill & Melinda Gates Foundation: Seattle. (October 2014).
- Invited Expert Consultation: “Women’s Dietary Diversity Indicator Meeting” hosted by FANTA and FAO: Washington DC. (July, 2014).
- Invited Speaker: “Brazil Workshop on Food Security and Nutrition: New Agendas”, hosted by Ministry of Social Development and Fight Against Hunger: Brasilia, Brazil. (January, 2014).
- Invited Seminar: “Program Sustainability and Exit Strategies Study Seminar” hosted by FANTA: Washington DC. (February, 2013).
- Invited Lecture: “Promise and Paradox: the Mediterranean Diet in Present Day Italy,” Faculty Host and Lecturer, Tufts Travel-Learn, Italy (September, 2013).
- Invited Lecture: “Slow Food in the Fast Lane: Italy's Modern Food Movements Go Global,” Faculty Host and Lecturer, Tufts Travel-Learn, Italy (September, 2013).
- Invited Presenter: “Directions in Food Security Measurement,” Tufts/Brown Center for AIDS Research (CFAR): Boston (November, 2012).
- Invited Seminar: “Program Sustainability and Exit Strategies Study Results,” hosted by USAID Food for Peace: Washington D.C. (October, 2012).
- Invited Lecturer: hosted by Institut de Recherche pour le Développement (IRD): Montpellier France. (May, 2012).

- Technical Advisor. “Technical Advisory Group Meeting,” hosted by USAID-funded Strengthening Partnerships, Innovations and Innovations in Nutrition Globally (SPRING) Project: Washington DC. (June 19, 2012).
- Invited interview. “Artistic and Scientific Collaboration for Progress Against Global Hunger,” Brown University Rhythm of Change Festival: An African Performance Festival For Social Change: Providence (March, 2012).
- Invited Speaker. “Comparison of Approaches to Measuring Food Consumption for Food-based Micronutrient Programming”. Monitoring Assessment and Data (MAD) Group Food Consumption Measurement Workshop, hosted by the Academy for Educational Development. April 14-15, Washington DC: (April, 2011).
- Invited Online Discussion Moderator. “Measuring Food and Nutrition Security,” FAO Global Forum on Food Security and Nutrition. (November, 2011).
- Invited Seminar: “Conceptualizing Exit Strategies and Sustainability,” at the ‘Food and Nutrition Program II Workshop’, hosted by FANTA: Washington, DC. (March, 2011).
- Invited Seminar: “Exit Strategies and Sustainability of Title II Programs in Kenya,” at the ‘Food and Nutrition Program II Workshop’, hosted by FANTA: Washington, DC (March, 2011).
- Invited Technical Expert. “Technical Consultation on Nutrition and Mortality Indicators”, hosted by FAO, Rome. (July 2009).
- Invited Speaker: “Years of Aid Programmes and People are Still Starving: Prevention vs. Treatment of Malnutrition,” Humanitarian Congress, Berlin. (October, 2008).
- Invited Technical Expert. “Measuring Food Consumption - Harmonizing methodologies: Inter-agency Workshop,” hosted by WFP and FAO: Rome. (April, 2008).
- Invited Lecturer: “International Nutrition, an Integrated Approach?” hosted by Boston University: Boston. (November, 2004).

## AWARDS AND HONORS

- Dannon Nutrition Leadership Program Fellow (2010)
- Helen Smith Brownstein Scholar (2005)
- American Society for Nutritional Sciences, Community and Public Nutrition Research Award (2005)

## SELECT CONSULTANCIES

1. **Food and Nutrition Technical Assistance Project (FANTA). Consultant. January 2014-2016.** With two other Tufts colleagues, jointly conducted a comparative assessment of 21 datasets spanning 10 countries to determine the static and dynamic inter-relationships of key household food insecurity indicators.
2. **Action Against Hunger (ACF/Paris). Consultant. July 2010-January 2015.** Develop a standardized method for conducting nutrition causal and response analyses in developing country operational settings.

3. **Wageningen University and Food and Agricultural Organization. Consultant. 2009.** Designed the curriculum and substantive content for an FAO distance-learning module on the design and implementation of national level nutrition and food security surveys.
4. **Save the Children, UK/Ethiopia. Consultant. 2008.** Designed an impact evaluation and applied learning protocol for Save the Children UK's 5-year Hunger Reduction Thematic Programme Plan.
5. **CARE. Consultant. January-April 2008.** Together with co-authors, prepared a background paper titled "Rethinking Food Security in Humanitarian Emergencies" for CARE/Oxfam sponsored Forum, Rome April 2008.
6. **Cornell University Program in International Nutrition. Consultant. May, 2006-August 2006.** As part of the Cornell team, evaluated the Gates Foundation's nutrition intervention portfolio and developed a proposed fortification strategy on behalf of BMGF.
7. **Tufts Friedman School of Nutrition Science and Policy. Consultant. Boston, June, 2005-May 2006.** Coordinated and served as lead editor of a special supplement to the Journal of Nutrition on innovative food insecurity measurement research in developing countries.
8. **Save the Children (US). Risk and Vulnerability Assessment Consultant. Westport/Washington, D.C., July 2005-May 2006.** Assisted Save the Children, US to develop a strategy to integrate a risk and vulnerability lens into SC programming at each phase of the program cycle.
9. **Food and Nutrition Technical Assistance Project (FANTA). Consultant. Boston, October 2004-January 2006.** Developed guidelines to assist Title II PVOs to apply the Household Food Insecurity Access Scale for programming and evaluation purposes.
10. **World Food Programme. Program Evaluation Technical Advisor. Bangladesh and Boston, May, 2004-December, 2004.** Co-designed and implemented an impact evaluation of WFP's National School Feeding Programme, the largest such initiative in the organization's portfolio. Analyzed data and prepared evaluation report.
11. **Food and Nutrition Technical Assistance Project (FANTA). Consultant. Bangladesh, July-August, 2004.** Advised USAID/Bangladesh in the reformulation of its Performance Monitoring Plan for nutrition, food insecurity, and disaster management activities.
12. **Food and Nutrition Technical Assistance Project (FANTA). Consultant. Washington, D.C. March-April 2004.** Researched, prepared, and presented a key background paper to assess the potential and implications of developing a universal indicator for Title II NGO impact evaluation.
13. **World Food Programme/Bangladesh. School Feeding Evaluation Consultant. Bangladesh. February 2002 – September 2002.** Designed and implemented a baseline survey of schools located in highly food insecure rural areas of Bangladesh and Dhaka urban slums, in preparation for the launching of WFP's largest global school feeding program.
14. **World Food Programme/Bangladesh. Evaluation Consultant. Bangladesh. February – June 2001.** Together with the Principal Investigator and local survey research firm staff, designed, implemented, and analyzed a 606 household survey to evaluate the selective participation of ultra-poor women in the Income Generation for Vulnerable Group Development Programme.



**15. Save the Children, US. Consultant. January-February 2001.** Developed a concept paper on the theory and application of Positive Deviance and other related approaches to mobilizing behavior change in health and nutrition programs.

**16. Nepal Child Health and Logistics Support Services Project, Evaluation Consultant, Nepal; May – August 1999.** Evaluated the sustainability of Vitamin A supplement delivery by Female Community Health Volunteers under the USAID/UNICEF-funded Nepal National Vitamin A Program.

## ADVISING AND MENTORING

### 1. DOCTORAL STUDENTS

Name	Role	Topic
In Process		
Winnie Bell	Chair	Intrahousehold Nutrient Inequality in the Nutrition Transition
Keith Lividini	Committee Member	Understanding the Nutrient Flows of Vitamin A, Iron, and Zinc in Relation to Global and National Food Systems
Min-Barron, Marion	Chair	The Role of Gender in Smallholder Farmers' Nutrition-Sensitive Agricultural Activities
Wondafrash, Beyene	Committee Member	Effects of Khat Production and Consumption on Food security, Nutrition and Health Status of Rural Households in Ethiopia (Jimma University, Ethiopia)
Completed		
Moussa, Soha (2015)	Committee Member	Analyzing Malnutrition in Emergencies: the Determinants and Policy Implications for Malnutrition in Darfur, Sudan. Current position: Programme Officer, WFP, Lebanon/Syria
Osman, Abdal (2012)	Committee Member	Agricultural Change, Land and Violence: an Examination of the Region of Darfur, Sudan Current position: Head of Programme, FAO South Sudan
Lapping, Karin (2012)	Committee Member	Socio-political and Epidemiological Dimensions of Malnutrition in Viet Nam Current position: Senior Director of Nutrition, Save the Children
Puett, Chloe (2011)	Committee Member	Community case management of acute malnutrition by community health workers in southern Bangladesh: Examining quality of care and cost-effectiveness Current position: Cost-Effectiveness Research Group Director, Action Against Hunger, NYC

### 2. MASTERS STUDENTS

**Academic Advisor:** 35 graduate students (2007-2015)

**Masters Theses and Directed Study Advisees:**

Name	Topic
Caroline Nathan, Natalie Theys	Predictors of Sustainable Community-based Service Delivery;

<b>Name</b>	<b>Topic</b>
And Hyejin Lee (2016)	Program Sustainability: Theory and Definitions
Walter Mitvah (2016)	Positive Deviance for Resilience-building Among IDPs and Host Communities in Luuq, Somalia
Karin Christiansen (2015)	Comparative Analysis of National Dietary Guidelines
Denise Chen (2014)	Supermarketization in Malaysia
Aysha Twose (2014)	Smallholder Farmer Commercialization: A Food Security Risk Analysis; Empirical Evidence From Nampula Province, Mozambique
Christina Filipovic (2014)	Market-based Approaches to Development
Alexander Blau (2012)	Deriving Individual Food Consumption Estimates from Household Food Expenditure Surveys
Elizabeth Whelan (2012)	Program Sustainability: Concepts and Frameworks
Sarah Coleman (2011)	Evaluating Ecologic Agroforestry in Guatemala
Ghida Kracht (2011)	Integrating behavior change theories in conditional cash transfer implementation and design
Lindsay Schoonmaker and Nicole Brewer (2010)	Domestic violence and food security in Bangladesh
Najoua El Mesmoudi (2010)	Surveillance of Iodine Deficiency Disorder in the United Arab Emirates
Fania Yangarber and Sonya Kibler (2009)	Factors Related to Changes in Bangladeshi Household Food Security
Mohammed Jundi (2008)	Differential Regional Determinants of Food Insecurity in Northern and Southern Ethiopia
Rebecca Klein (2008)	Evaluation of Capacity-building in MICS National Surveys
Shailee Pradhan and Sarah Sliwa (2007)	Dietary Diversity Among Rural and Urban Microfinance Beneficiaries in Bangladesh
Christine McDonald (2007)	Comparison of Dietary Diversity Status and Determinants Among Camp-based and non-camp based populations in Darfur, Sudan
Ashwin Mysore and Melissa Bailey (2006)	Assessing Food Security Outcomes during Food System Shocks: A Case Study on the Importance of Poultry in Bangladesh
Melissa Fuster and Mercy Mutonyi (2006)	Factors associated with food security optimism in Bangladesh

## **RECENT MEDIA COVERAGE**

Tufts Nutrition Magazine. “Graceful Exits” (Summer 2016).

<http://sites.tufts.edu/nutrition/summer-2016/graceful-exits/>

Food Tank. “New Food Metrics Provide Better Information on Access to Nutritious Foods in Africa”, (February 2017).

<https://foodtank.com/news/2017/01/new-food-metrics-provide-better-information-access-nutritious-foods-africa/>

Food Tank. “New Metrics Revolutionize Dietary Data Assessment”

<https://foodtank.com/news/2016/12/new-metrics-revolutionize-dietary-data-assessment/>

Tufts Ever Wonder Series “Why Are There Famines”? (2016)

<http://everwonder.tufts.edu/tags/famine>

## **WORKING LANGUAGES**

- French (proficient)
- Spanish (proficient)
- Bangla (beginner)