

LINDA S. ADAIR

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Honorary Professor
School of Clinical Medicine
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EDUCATION:

- 1986-88 Postdoctoral Fellowship, Mellon Foundation, Interface of Human Biology and Demography, Carolina Population Center, University of North Carolina, Chapel Hill
- 1975-80 University of Pennsylvania, Department of Anthropology
Ph.D. 1980, Biological Anthropology
- 1967-71 State University of New York at Stony Brook
B.S. in Biological Sciences 1971

ACADEMIC APPOINTMENTS

- 7/1/02-present Professor, Department of Nutrition
University of North Carolina Schools of Public Health and Medicine
Fellow, Carolina Population Center
- 4/1/13-present Honorary Professor
School of Clinical Medicine
University of the Witwatersrand
Johannesburg, South Africa
- 7/1/08-2017 Director, Nutrition Epidemiology Division
Department of Nutrition
University of North Carolina Schools of Public Health and Medicine
Chapel Hill, North Carolina
- 7/1/05-6/30/08 Associate Chair for Academic Affairs
Department of Nutrition
University of North Carolina Schools of Public Health and Medicine
Chapel Hill, North Carolina
- 7/1/88-6/30/02 Associate Professor, Department of Nutrition
University of North Carolina Schools of Public Health and Medicine

1986-1988	Mellon Postdoctoral Fellow, Carolina Population Center University of North Carolina, Chapel Hill, NC
1985-1986	Associate Professor, Department of Anthropology Rice University, Houston, TX
1980-85	Assistant Professor, Department of Anthropology Rice University, Houston, TX
1980	Lecturer in Nutrition, University of Pennsylvania School of Dental Medicine, Philadelphia, PA
1979-80	Instructor, Department of Anthropology University of Pennsylvania, Philadelphia, PA

RESEARCH INTERESTS: Global Nutrition and Health. Child growth: determinants of early childhood growth patterns, with an emphasis on growth faltering; long term health and functional consequences of early childhood growth patterns, determinants of obesity in infancy and adolescence in low- and middle-income countries. **Development origins of later disease risk:** effects of maternal nutrition during pregnancy, infant birth outcomes and early child growth on later development of chronic disease risk factors, immune function and human capital. **Women's nutrition and reproduction:** effects of women's nutritional status on reproductive outcomes (low birth weight, prematurity, growth retardation, birth spacing); effects of reproductive cycles on women's health and nutritional status; maternal nutrition and mother to child HIV transmission. **Methodological:** design and implementation of population-based health/demographic/nutrition surveys; application of econometric and structural models to health outcome research, particularly longitudinal modeling.

International focus: The Philippines, China, Malawi, South Africa, Rwanda.

MEMBERSHIP IN ACADEMIC SOCIETIES

American Society for Nutrition, Global Nutrition Council
International Society for Developmental Origins of Health and Disease
US DOHaD Society
ISRHML: International Society for Research in Human Milk and Lactation
Sigma Xi, Delta Omega Public Health Honorary Society
International Association for the Study of Human Growth and Clinical Auxology

CONSULTANCIES and Participation in National or International Scientific Groups

World Health Organization

Research priorities to prevent, identify and manage young infants with growth failure in the first 6 months of life. January 2019

Ad hoc Working Group on Science and Evidence for Ending Childhood Obesity (2014-15)

Guideline Development Group – Infant and Young Child Feeding Recommendations to prevent overweight and obesity in children (2015)

Committee to identify research priorities - preventing overweight, obesity and metabolic syndrome in children/adolescents (2015)

UNICEF International Consultation on Cohort and Longitudinal Studies in Developing Countries (October 2014)

Elizabeth Glaser Pediatric AIDS Foundation: Consultant, Kabeho project to evaluate Rwanda's Plan B+ prevention of mother to child transmission of HIV (ongoing, 2013-present)

DOHAD Society: International scientific organizing committee, 2015 DOHAD Congress, Cape Town, South Africa

International Union of Nutritional Scientists: International scientific committee, 2017 IUNS Congress, Buenos Aires, Argentina.

Executive Committee, **International Association for the Study of Human Growth and Clinical Auxology** (Ongoing, 2018-present)

TEACHING AWARDS

1982 Phi Beta Kappa Award for Superior Teaching, Rice University

2002 McGavran Award for Excellence in Teaching, University of North Carolina School of Public Health

2012 Gillings School of Global Public Health Teaching Innovation Award

OTHER AWARDS and HONORS

2014 Kellogg International Prize in Nutrition Award and Lecture. Global Nutrition Council, American Nutrition Society.

2018 Elected to the Society of Fellows, American Society for Nutrition

2018 Clarivate Analytics recognition as researcher with multiple highly cited papers that rank in the top 1 percent of citations in their field.

GRANTS AND CONTRACTS

Ongoing Research Support

NIH/NICHD U2COD023375-01

9/21/2016-8/31/2023

ECHO Coordinating Center: *ECHO Core Elements and Scientific Focus Areas Coordination Component*

The ECHO Coordinating Center provides the organizational framework for the management, direction, and overall coordination of all common ECHO (Environmental Influences on Child Health) activities.

Role: PI of UNC subcontract, Co-I with D. Benjamin and B. Smith, PIs at Duke University.

R01HD030880 (Popkin)

08/15/14-05/31/19

Monitoring Social Change: Health, Reproduction, Aging

This project continues a 25-year history of collection of in-depth sociodemographic, economic, health services and health behaviors data, and clinical exams of 34,000 Chinese individuals from 288 communities that are

part of the China Health and Nutrition Survey. More recent surveys enhance the value of the CHNS by collection, storage, and analysis of a wide range of biomarkers. Role: Co-I.

D43TW009774 (van der Horst)

06/01/14-03/31/19

UNC Wits *AIDS Implementation Research and Cohort Analyses Training Grant*

This project strengthens the MSc in Epidemiology at the University of the Witwatersrand in Johannesburg, by creating a new concentration of Implementation Science at the School of Public Health, and offering training to junior faculty, and predoctoral trainees from multiple African countries. Role: Trainer.

NHLBI 1T32HL129969-01A1

8/1/2016-7/31/2021

Global Cardiometabolic Disease

TPredocutorial training grant for nutrition student focused on cardiometabolic disease across the globe, with a focus on low and middle-income countries (LMIC). In addition to the PhD curriculum in nutrition, this training opportunity supports global internships with mentors in LMICs. Role: Co-PI with Penny Gordon-Larsen.

Bill and Melinda Gates Foundation. OPP1164115

4/1/2017-4/15 2019

Child Development and Adult Social and Human Capital: COHORTS. This project assesses, in prospective birth cohorts in low and middle-income country settings, the longitudinal relationships among socioeconomic status and other circumstances at birth and in early childhood; early and later childhood development (using a broad definition of child development); and adult cognitive, executive, social and emotional functioning and social and human capital. The results from this investigation will provide unique insights into the patterns and determinants of trajectories of psycho-socio-economic development from birth through adulthood in low and middle-income contexts. Role: Consultant

Bill and Melinda Gates Foundation

11/1/2018-

Funding to Ariadne Labs and Harvard University (Semerau), with Subcontract to UNC (Hoffman) *Low Birthweight Infant Feeding Trial (LIFT)*. This study is designed to improve the evidence base for the WHO recommendations for feeding LBW infant. The initial year of funding is for formative research and an observational cohort which will inform a randomized control feeding trial among low birth weight infants in Malawi, Tanzania, and India. Role: Co-I for the UNC subcontract.

February 2019 NIH Submissions

NIH R01. Clinical trial with the levonorgestrel intrauterine system to measure changes in hemoglobin and serum ferritin among anemic women in Kenya. This study will evaluate the utility of the LNG implant for preventing excess blood loss and improve iron status of anemic low-income women in Kenya. UNC Subcontract to FHI 360, PI: David Hubacher, PI. Role: Co-I.

NIH R01. Randomized trial to evaluate the effect of immediate versus delayed postpartum LNG implant insertion on LS-II, infant growth and neurodevelopment, and reproductive biomarkers. This RCT will evaluate the effects of immediate (<48 hours postpartum) versus delayed (>6 weeks after delivery) postpartum insertion of the LNG implant, a long-acting contraceptive device, on the initiation of lactogenesis stage II (full milk production) and longer-term infant health and developmental outcomes. (PI: Tang, UNC School of Medicine). Role: Co-I.

NIH R01. Monitoring Social Change: Dynamics of Aging and Cognitive Function. This application is for a continuation of the China Health and Nutrition Survey data collection, and analysis focused on trajectories of factors that promote healthy aging or onset and progression of cognitive decline and dementia. (PI: Gordon-Larsen, Carolina Population Center). Role: Co-I

NIH R01. Monitoring Social Change: Health and Human Capital from Childhood to Adulthood. This application is for a continuation of the China Health and Nutrition Survey data collection, and analysis focused on the determinants of health (obesity, cardiometabolic disease risk) and health behaviors (diet and physical activity) and human capital (cognitive capacity, height, schooling) in children and young adults. (PI: Gordon-Larsen, Carolina Population Center). Role: Co-I

MSRC, UK. Understanding Developmental Pathways to Mental Health and Cognition from in-utero to early adulthood: A Multi-Country Longitudinal Investigation. This application builds on the COHORTS collaboration to explore environmental, social, and biological factors in early life that affect multiple aspects of adult cognitive and mental and socioemotional health among participants in Brazil, South Africa, The Philippines, Guatemala, and Peru. (PI: Alan Stein, Oxford University) Role: consultant

NIDDKD. Administrative supplement to NORC. Defining Diversity Outbred obesity induced female and male in utero suboptimal nutrition metabotype. This research aims to address significant critical needs to support the investigation of sex differences in the transgenerational expression and the etiology of obesity following in utero suboptimal nutrition leading to obesity and disease sequelae. (PI: John French, UNC Nutrition Research Institute) Role: Co-I.

Recently Completed Grants and Contracts

NIH/NIA R01AG39143 (Adair) 07/01/11-06/30/18
Multidimensional Pathways to Healthy Aging among Filipino Women
This interdisciplinary study aimed to identify biological, social, economic, and environmental influences on trajectories of health and functional outcomes in women in the transitional years from middle to later adulthood. It sought to identify early adulthood experiences and exposures that affect (1) physical health, including body composition; blood pressure, biomarkers of inflammation and immune response to vaccination, dysregulation of glucose metabolism, and dyslipidemia; (2) physical functioning and disability; (3) cognition; and (4) psychosocial aspects of well-being including quality of relationships and depression. Role: PI.

NIH/NICHD R21 ES023904 (Daniels) 11/01/14-10/31/17
Prenatal Exposure to Organophosphates and Associations with Child Growth
This study aimed to investigate the impacts of prenatal organophosphate exposure on children's growth from birth through age 3. The research capitalizes on previously collected data and biospecimens from the Pregnancy Infection and Nutrition cohort, a well- characterized cohort with carefully assessed longitudinal measures of growth from birth through age 3 years. Role: Co-I.

USAID/Elizabeth Glaser Pediatric AIDS Foundation. 4/2013-4/2017
Cooperative Agreement No. AID-OAA-A-12-00024.
The Kigali Antiretroviral and Breastfeeding Assessment for the Elimination of HIV (Kabeho) study was a longitudinal observational study conducted between 2013 and 2016 among HIV-positive women participating in the national PMTCT program in Kigali, Rwanda, that was designed to evaluate the effectiveness of the Rwandan eMTCT program. Role: Consultant

The Sackler Institute for Nutrition Science, New York Academy of Sciences 12/1/2015-8/31/2016
A lifecourse perspective on adolescent nutrition in the Philippines
This study is one of a group of projects on adolescent nutrition across multiple settings. It aimed to examine how diet and nutritional status in adolescent females relates to their young adult health and nutrition status and birth outcomes as part of a cohort study involving participants in the Cebu Longitudinal Health and Nutrition Survey. Role: PI.

World Health Organization 4/30/2015-11/30/2016
Assessing Health Impacts of Consumption of Commercially Available Complementary Food
This contract was for preparation of a systematic review to inform a WHO STAG on new policies on Inappropriate Promotion of Foods for Infants and Young Children. Role: PI.

Nestle Nutrition Innovation Collaboration 5/17/2012-8/15/2016
This educational grant was to support doctoral student research related to pediatric nutrition
Role: Co-PI (With Peggy Bentley).

Saving Brains/Nutrition Canada/Bill and Melinda Gates Foundation 4/15/2014-6/30/2014
Economic Impacts of poverty-related risk factors during the first 1000 days for cognitive development and human capital. This project uses data from the COHORTS collaboration to assess how early life growth relates to young adult wellbeing in 5 low and middle- income countries. Role: PI of Subcontract, main contract to Aryeh Stein, Emory University

NIH/NICHD R01HD057194-03 (Gordon Larsen) 09/30/08-06/30/13
Gene-Environment Interactions and Weight Gain
The objective of this research was to investigate how genes, environment, and gene environment interactions influence temporal changes in body mass index (BMI) at vulnerable periods of the life cycle. Role: Co-I.

NIH/NICHD R01HD054501-03 (Adair) 09/18/08-06/30/14
Modeling the Developmental Origins of Adult Disease Risk Factors
This interdisciplinary research was a novel application of structural equation models to identify the complex pathways through which cardiovascular disease (CVD) risk factors develop from the prenatal period to young adulthood. The study used data from the ongoing community-based Cebu Longitudinal Health and Nutrition Survey in The Philippines. Role: PI.

NIH/NIDDK R21-DK089306-01 (Gordon-Larsen) 07/15/2010-04/30/14
Heterogeneity in Cardiometabolic Risk with Obesity: Who Is at Risk?
This study took advantage of 20-year longitudinal data from approximately 9,000 individuals enrolled in the China Health and Nutrition Survey to describe the prevalence of “metabolically healthy – overweight” and “metabolically at risk – normal weight” phenotypes in China. Role: Co-I.

The Bill and Melinda Gates Foundation OPP53107 (Bentley) 09/01/09-12/31/13
Improving Nutritional Status and Health of Infants and Lactating Women through the Use of Lipid Based Nutrition Supplements (LNS): Evidence from a Longitudinal, Randomized Trial in Lilongwe, Malawi. This project used data from the Breastfeeding, Anti-Retrovirals, and Nutrition study to provide the scientific evidence to support the broad use of low-cost LNS to enhance the nutritional status of women and children. Role: Co-I.

NIH/NICHD R01HD030880-16 (Popkin) 08/15/94-05/31/13
Monitoring Social Change: Health, Reproduction, Aging
This project collected and disseminated three additional rounds of survey data in Russia and a fifth wave of data in the China Health and Nutrition Survey. Role: Co-I.

NIH/NIDDK R01DK078150-03 (Mohlke) 04/01/07-03/31/13
Genetic Epidemiology of Body Mass Index, Adiposity and Weight Gain
This study tests candidate genes for association with obesity related traits and weight gain across 22 years in women from the Cebu Longitudinal Health and Nutrition Survey and evaluates interactions with diet composition and physical activity. Role: Co-I

PUBLICATIONS IN REFEREED JOURNALS OR VOLUMES

H-Index 89, i10 index 263

* Denotes publications with current or former students or postdoctoral fellows

2019

1. *Lane CE, *Bobrow EA, Ndatimana D, Ndayisaba GF, **Adair** LS. Determinants of growth in HIV-exposed and -uninfected infants in the Kabeho Study. *Matern Child Nutr* 2019: e12776.
2. *Tzioumis E, Avila J, **Adair** LS. Determinants of Successful Aging in a Cohort of Filipino Women. *Geriatrics* 2019;4(1):1-12.
3. **Adair** LS, Perez TL, *Borja JB. The Life History of a Cohort Study: Attrition in the Cebu Longitudinal Health and Nutrition Survey. *Philippines Population Review* 2019; Forthcoming.

2018

4. Takeuchi F, Akiyama M, Matoba N, Katsuya T, Nakatochi M, Tabara Y, ...**Adair** LS, et al. Interethnic analyses of blood pressure loci in populations of East Asian and European descent. *Nat Commun* 2018;9(1):5052.
5. **Adair** LS, Duazo P, *Borja JB. How Overweight and Obesity Relate to the Development of Functional Limitations among Filipino Women. *Geriatrics (Basel)* 2018;3(4).
6. **Adair** LS, Kuzawa C, *McDade T, Carba DB, *Borja JB. Seventeen-Year Changes in Body Mass Index, Waist Circumference, Elevated Blood Pressure, and Diabetes Phenotypes in a Cohort of Filipino Women. *Asia Pac J Public Health* 2018;30(6):561-571.
7. *Johnson CM, Sharkey JR, Lackey MJ, **Adair** LS, Aiello AE, Bowen SK, et al. Relationship of food insecurity to women's dietary outcomes: a systematic review. *Nutr Rev* 2018;76(12):910-928.
8. *Kagura J, Ong KK, **Adair** LS, Pettifor JM, Norris SA. Paediatric hypertension in South Africa: An underestimated problem calling for action. *S Afr Med J* 2018;108(9):708-709.
9. *Wang Z, Siega-Riz AM, Gordon-Larsen P, Cai J, **Adair** LS, Zhang B, et al. Diet quality and its association with type 2 diabetes and major cardiometabolic risk factors among adults in China. *Nutr Metab Cardiovasc Dis* 2018;28(10):987-1001.
10. Hoffman K, Stapleton HM, Lorenzo A, Butt CM, **Adair** L, Herring AH, et al. Prenatal exposure to organophosphates and associations with birthweight and gestational length. *Environ Int* 2018;116:248-254.
11. *Cates JE, Westreich D, Unger HW, Bauserman M, **Adair** L, Cole SR, et al. Intermittent Preventive Therapy in Pregnancy and Incidence of Low Birth Weight in Malaria-Endemic Countries. *Am J Public Health* 2018;108(3):399-406.
12. Hampel D, Shahab-Ferdows S, Gertz E, *Flax VL, **Adair** LS, Bentley ME, et al. The effects of a lipid-based nutrient supplement and antiretroviral therapy in a randomized controlled trial on iron, copper, and zinc in milk from HIV-infected Malawian mothers and associations with maternal and infant biomarkers. *Matern Child Nutr* 2018;14(2):e12503.
13. *Kay MC, Wasser H, **Adair** LS, *Thompson AL, *Siega-Riz AM, Suchindran CM, et al. Consumption of obesogenic foods in non-Hispanic black mother-infant dyads. *Matern Child Nutr* 2018;14(1).

2017

14. Lu X, Peloso GM, Liu DJ, Wu Y, Zhang H, Zhou W, ...**Adair** LS et al. Exome chip meta-analysis identifies novel loci and East Asian-specific coding variants that contribute to lipid levels and coronary artery disease. *Nat Genet* 2017;49(12):1722-1730.
15. Kishi R, Zhang JJ, Ha EH, Chen PC, Tian Y, Xia Y, ...**Adair** LS et al. Birth Cohort Consortium of Asia: Current and Future Perspectives. *Epidemiology* 2017;28 Suppl 1:S19-S34.
16. *Wang Z, **Adair** LS, Cai J, Gordon-Larsen P, *Siega-Riz AM, Zhang B, et al. Diet Quality Is Linked to Insulin Resistance among Adults in China. *J Nutr* 2017;147(11):2102-2108.
17. Graff M, Scott RA, Justice AE, Young KL, Feitosa MF, Barata L, ...**Adair** LS et al. Correction: Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. *PLoS Genet* 2017;13(8):e1006972.
18. Lee AC, Kozuki N, Cousens S, Stevens GA, Blencowe H, Silveira MF, ...**Adair** LS et al. Estimates of burden and consequences of infants born small for gestational age in low and middle income countries with INTERGROWTH-21(st) standard: analysis of CHERG datasets. *BMJ* 2017;358:j3677.
19. *Cates JE, Unger HW, Briand V, Fievet N, Valea I, Tinto H, ...**Adair** LS et al. Malaria, malnutrition, and birthweight: A meta-analysis using individual participant data. *PLoS Med* 2017;14(8):e1002373.
20. *Kay MC, Wasser H, **Adair** LS, Thompson AL, Siega-Riz AM, Suchindran CM, et al. Consumption of key food groups during the postpartum period in low-income, non-Hispanic black mothers. *Appetite* 2017;117:161-167.
21. *Dong F, Howard AG, Herring AH, *Thompson AL, **Adair** LS, Popkin BM, et al. Longitudinal associations of away-from-home eating, snacking, screen time, and physical activity behaviors with cardiometabolic risk factors among Chinese children and their parents. *Am J Clin Nutr* 2017;106(1):168-178.
22. Graff M, Scott RA, Justice AE, Young KL, Feitosa MF, Barata L, ...**Adair** LS et al. Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. *PLoS Genet* 2017;13(4):e1006528.
23. Davis NL, Wiener J, Juliano JJ, **Adair** L, Chasela CS, Kayira D, et al. Co-trimoxazole Prophylaxis, Asymptomatic Malaria Parasitemia, and Infectious Morbidity in Human Immunodeficiency Virus-Exposed, Uninfected Infants in Malawi: The BAN Study. *Clin Infect Dis* 2017;65(4):575-580.
24. Justice AE, Winkler TW, Feitosa MF, Graff M, Fisher VA, Young K, ...**Adair** LS et al. Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. *Nat Commun* 2017;8:14977.
25. *Wright M, Sotres-Alvarez D, *Mendez MA, **Adair** L. The association of trajectories of protein intake and age-specific protein intakes from 2 to 22 years with BMI in early adulthood. *Br J Nutr* 2017;117(5):750-758.
26. Spracklen CN, Chen P, Kim YJ, Wang X, Cai H, Li S, et al. Association analyses of East Asian individuals and trans-ancestry analyses with European individuals reveal new loci associated with cholesterol and triglyceride levels. *Hum Mol Genet* 2017;26(9):1770-1784.
27. Liu X, Behrman JR, Stein AD, **Adair** LS, Bhargava SK, *Borja JB, et al. Prenatal care and child growth and schooling in four low- and medium-income countries. *PLoS One* 2017;12(2):e0171299.
28. Marouli E, Graff M, Medina-Gomez C, Lo KS, Wood AR, Kjaer TR, ...**Adair** LS et al. Rare and low-frequency coding variants alter human adult height. *Nature* 2017;542(7640):186-190.
29. Hoffman K, Lorenzo A, Butt CM, **Adair** L, Herring AH, Stapleton HM, et al. Predictors of urinary flame retardant concentration among pregnant women. *Environ Int* 2017;98:96-101.
30. *Dong F, Howard AG, Herring AH, **Adair** LS, *Thompson AL, Popkin BM, et al. Concordance of haemoglobin A1c, blood pressure and C-reactive protein between children and their parents in Chinese households. *Pediatr Obes* 2017;12(5):422-430.

31. *Wang Z, Gordon-Larsen P, Siega-Riz AM, Cai J, Wang H, **Adair** LS, et al. Sociodemographic disparity in the diet quality transition among Chinese adults from 1991 to 2011. *Eur J Clin Nutr* 2017;71(4):486-493.
32. *Wright MJ, *Mendez MA, Bentley ME, **Adair** LS. Breastfeeding modifies the impact of diarrhoeal disease on relative weight: a longitudinal analysis of 2-12 month-old Filipino infants. *Matern Child Nutr* 2017;13(2).

33.

2016

34. *Dong F, Howard AG, Herring AH, Thompson AL, **Adair** LS, Popkin BM, et al. Parent-child associations for changes in diet, screen time, and physical activity across two decades in modernizing China: China Health and Nutrition Survey 1991-2009. *Int J Behav Nutr Phys Act* 2016;13(1):118.
35. Fall CHD, Osmond C, Haazen DS, Sachdev HS, Victora C, Martorell R, ...**Adair** LS et al. Disadvantages of having an adolescent mother. *Lancet Glob Health* 2016;4(11):e787-e788.
36. Horikoshi M, Beaumont RN, Day FR, Warrington NM, Kooijman MN, Fernandez-Tajes J, ...**Adair** LS et al. Genome-wide associations for birth weight and correlations with adult disease. *Nature* 2016;538(7624):248-252.
37. *Kagura J, **Adair** LS, Munthali RJ, Pettifor JM, Norris SA. Association Between Early Life Growth and Blood Pressure Trajectories in Black South African Children. *Hypertension* 2016;68(5):1123-1131.
38. Ehret GB, Ferreira T, Chasman DI, Jackson AU, Schmidt EM, Johnson T, ...**Adair** LS et al. The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nat Genet* 2016;48(10):1171-1184.
39. *Wright M, *Mendez MA, Sotres-Alvarez D, **Adair** L. Breastfeeding and Protein Intake Influence Body Mass Index from 2 Months to 22 Years in the Cebu Longitudinal Health and Nutrition Survey. *J Nutr* 2016;146(10):2085-2092.
40. *Qin B, Viera AJ, Muntner P, Plassman BL, Edwards LJ, **Adair** LS, et al. Visit-to-Visit Variability in Blood Pressure Is Related to Late-Life Cognitive Decline. *Hypertension* 2016;68(1):106-13.
41. Kagura J, **Adair** LS, Pisa PT, Griffiths PL, Pettifor JM, Norris SA. Association of socioeconomic status change between infancy and adolescence, and blood pressure, in South African young adults: Birth to Twenty Cohort. *BMJ Open* 2016;6(3):e008805.
42. Puentes E, Wang F, Behrman JR, Cunha F, Hodidinott J, Maluccio JA, ...**Adair** LS et al. Early life height and weight production functions with endogenous energy and protein inputs. *Econ Hum Biol* 2016;22:65-81.
43. *Tzioumis E, Kay MC, Bentley ME, **Adair** LS. Prevalence and trends in the childhood dual burden of malnutrition in low- and middle-income countries, 1990-2012. *Public Health Nutr* 2016;19(8):1375-88.
44. Hampel D, Shahab-Ferdows S, **Adair** LS, Bentley ME, *Flax VL, Jamieson DJ, et al. Thiamin and Riboflavin in Human Milk: Effects of Lipid-Based Nutrient Supplementation and Stage of Lactation on Vitamer Secretion and Contributions to Total Vitamin Content. *PLoS One* 2016;11(2):e0149479.
45. Wen W, Kato N, Hwang JY, Guo X, Tabara Y, Li H, ...**Adair** LS et al. Genome-wide association studies in East Asians identify new loci for waist-hip ratio and waist circumference. *Sci Rep* 2016;6:17958.
46. *Batis C, *Mendez MA, Gordon-Larsen P, Sotres-Alvarez D, **Adair** L, Popkin B. Using both principal component analysis and reduced rank regression to study dietary patterns and diabetes in Chinese adults. *Public Health Nutr* 2016;19(2):195-203.
47. *McDade TW, *Borja JB, Largado F, **Adair** LS, Kuzawa CW. Adiposity and Chronic Inflammation in Young Women Predict Inflammation during Normal Pregnancy in the Philippines. *J Nutr* 2016;146(2):353-7.

48. *Rogawski ET, Meshnick SR, Becker-Dreps S, **Adair** LS, Sandler RS, Sarkar R, et al. Reduction in diarrhoeal rates through interventions that prevent unnecessary antibiotic exposure early in life in an observational birth cohort. *J Epidemiol Community Health* 2016;70(5):500-5.
49. Lundeen EA, Norris SA, **Adair** LS, Richter LM, Stein AD. Sex differences in obesity incidence: 20-year prospective cohort in South Africa. *Pediatr Obes* 2016;11(1):75-80.

2015

50. *Wright M, **Adair** L, James C, Amuleru-Marshall O, Peltzer K, Pengpid S, et al. The association of nutrition behaviors and physical activity with general and central obesity in Caribbean undergraduate students. *Rev Panam Salud Publica* 2015;38(4):278-85.
51. Mei H, Guo B, Yin B, Liang X, **Adair** L, *Thompson A, et al. Interactive Effects of Early Exclusive Breastfeeding and Pre-Pregnancy Maternal Weight Status on Young Children's BMI - A Chinese Birth Cohort. *PLoS One* 2015;10(12):e0144357.
52. Allen LH, Hampel D, Shahab-Ferdows S, York ER, **Adair** LS, *Flax VL, et al. Antiretroviral therapy provided to HIV-infected Malawian women in a randomized trial diminishes the positive effects of lipid-based nutrient supplements on breast-milk B vitamins. *Am J Clin Nutr* 2015;102(6):1468-74.
53. Kozuki N, Katz J, Lee AC, Vogel JP, Silveira MF, Sania A, ...**Adair** LS et al. Short Maternal Stature Increases Risk of Small-for-Gestational-Age and Preterm Births in Low- and Middle-Income Countries: Individual Participant Data Meta-Analysis and Population Attributable Fraction. *J Nutr* 2015;145(11):2542-50.
54. *Parker ME, Flax VL, Tembo M, Piwoz EG, **Adair** LS, Bentley ME. Response to the letter by Gedela. *Matern Child Nutr* 2015;11(4):1053-5.
55. Kato N, Loh M, Takeuchi F, Verweij N, Wang X, Zhang W, ...**Adair** LS et al. Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. *Nat Genet* 2015;47(11):1282-1293.
56. *Rogawski ET, Westreich DJ, **Adair** LS, Becker-Dreps S, Sandler RS, Sarkar R, et al. Early Life Antibiotic Exposure Is Not Associated with Growth in Young Children of Vellore, India. *J Pediatr* 2015;167(5):1096-102 e3.
57. *Kagura J, **Adair** LS, Musa MG, Pettifor JM, Norris SA. Blood pressure tracking in urban black South African children: birth to twenty cohort. *BMC Pediatr* 2015;15:78.
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3. **Adair LS**, Kuzawa C. (2001) Early growth failure and syndrome X: Conceptual and Methodological Issues Surrounding the Programming Hypothesis. In: *Nutrition and Growth. Nestle Nutrition Workshop Series, Volume 47. Lippencott-Raven, Philadelphia PA .*
4. **Adair LS** (2002) Early Nutrition Conditions and Later Risk of Disease. In: Caballero, Benjamin and B.M. Popkin, Editors. *The nutrition transition: diet, lifestyle and disease in the developing world*. (London: Academic Press).
5. **Adair LS.** Pre-and Postnatal Exposures and Later Growth and Developmental Outcomes. In: Johnston FE, Zemel B, Eveleth PB, editors. *Human Growth in Context*. London: Smith-Gordon; 1999. p. 313-20.
6. **Adair LS**, Popkin BM (1997) Special policies are needed to promote breastfeeding among low birthweight infants. In: *Exclusive breastfeeding promotion: a summary of findings from EPB's applied research program (1992-1996)*, Wellstart International. Expanded Promotion of Breastfeeding Program. Washington, D.C.
7. *Siega-Riz AM, **Adair LS.** Biological determinants of pregnancy weight gain in a Filipino population. In: Keen CL, Bendich A, Willhite CC, editors. *Maternal Nutrition and Pregnancy Outcome* 1993. p. 364-5.
8. **Adair LS**, *VanDerslice J, Zohoori N (1992) Urban-rural differences in determinants of growth and health

- of Filipino infants. In: Urban Ecology and Health in the Third World. Schell LM, Watts E, Smith M, and Bilsborough A (editors). Cambridge University Press, Cambridge U.K.
9. Akin JS, Guilkey DK, Popkin BM, Briscoe J, Flieger W, Black RE, **Adair LS**. Using Survey Data to Estimate the Determinants of Child Health: The Cebu Longitudinal Health and Nutrition Study. In: Sawyer DRTO, McCracken SD, editors. The Young and the Elderly: Issues on Morbidity and Mortality. Belo Horizonte, Brazil: Centro de Desenvolvimento e Planejamento Regional, Faculdade de Ciências Econômicas, Universidade Federal de Minas Gerais; 1992.
 10. **Adair, LS** (1991) Weight-for-Height and body mass index in nonpregnant women. In: Maternal Nutrition and Pregnancy Outcomes: Anthropometric Assessment. K. Krasovec and MA Anderson (eds). Pan American Health Organization, Scientific Publication No. 529, Washington, D.C.
 11. **Adair LS** and E Bisgrove (1991) Relationship of maternal anthropometry and pregnancy weight gain to pregnancy outcome. In: Anthropometric Assessment of Nutritional Status. John Himes (ed) New York: Alan R. Liss.
 12. **Adair LS** (1987) Nutrition in the Reproductive Years. In: Johnston, F.E. (ed) Nutritional Anthropology, pp 119-154. New York: Alan R. Liss.
 13. **Adair LS** (1984) Marginal intake and maternal adaptation: The case of rural Taiwan. In: Pollitt, E. and P. Amante (editors) Energy Intake and Activity, pp 33-55. New York: Alan R. Liss.

IV Other Publications

1. **Adair L**, Zhai FY, Popkin B. Preface. Obesity Reviews. 2014;15:1-.
2. *Tzioumis E, *Kay M, *Wright M, **Adair LS**. Health effects of commercially- available complementary foods: a systematic review. 2015 Report submitted to the World Health Organization. http://www.who.int/nutrition/topics/CF_health_effects_commercially_systematicreview.pdf
3. #Parker ME, Flax VL, Tembo M, Piwoz EG, **Adair LS**, Bentley ME. The controversy of infant formula: does it have a role in managing child malnutrition in fully weaned infants? Response. Maternal and Child Nutrition. 2015;11(4):1053-5. doi: 10.1111/mcn.12066
4. Howard AG, Gordon-Larsen P, Koehler E, Paynter L, *#Thompson AL, **Adair LS**, Zhang B, Herring AH. Eighteen year weight trajectories and metabolic markers of diabetes in modernising China: which timescale is most relevant? Reply to Vistisen D and Faerch K [letter]. Diabetologia. 2014;57(12):2607-8. Epub 2014/10/01. doi: 10.1007/s00125-014-3387-5. PubMed PMID: 25265878; PMCID: PMC4221418.
5. **Adair LS**, Zhai F, Popkin BM. Preface. Obesity Reviews. 2014;15(S1):1.
6. **Adair, LS**. (2013). Discussion on economic drivers and consequences of stunting. Nestle Nutr Inst Workshop Ser **71**: 143-146.
7. **Adair, LS** (2013). Discussion on migration and development of obesity and cardiometabolic disease in the developing world. Nestle Nutr Inst Workshop Ser **71**: 157-160.
8. **Adair LS**, Polhamus B (1998) Testing Indicators for use in monitoring interventions to improve women's nutritional status. Working Paper of the Measure/Evaluation Project. University of North Carolina at Chapel Hill
9. **Adair LS**, Polhamus B, Viswanathan M., Gultiano S., and Avila, J (1997) Exploring the Complexity of Women's Lives: Family Planning, Children, Decision-making, Domestic Work, and Labor Force Participation in Cebu, Philippines. Report to the Agency for International Development.
10. **Adair, LS**, Popkin BM, Bisgrove EZ (1990) A longitudinal analysis of patterns and determinants of women's diet and nutritional status in the Philippines. Maternal Nutrition and Health Care Program Research Reports Series. Report Number 1. International Center for Research on Women, Washington D.C.

NIH STUDY SECTIONS AND OTHER GRANT REVIEW PANELS, PAST 10 years

2017-present Chair and Administrator, ECHO Opportunities and Infrastructure Fund Review Panel
 2018-present Wellcome Trust Longitudinal Population Studies Review Panel
 2013-present: Wellcome Trust Peer Review College
 2013-2017 Standing Member, and Chair NIH Social Sciences and Population (SSPA) study section
 2013-2018 OSMB member, Hyperglycemia and Adverse Pregnancy Outcome (HAPO) Follow-up Study
 2010-2016: Appointed to NIH College of CSR Reviewers
 2016: Economic and Social Research Council (ESRC) Interim review panel for CLOSER (Cohorts and Longitudinal Studies Enhancement Resources. Medical Research Council, UK
 2015-16 Ad Hock Grant reviewer: South Africa National Research Foundation
 2015-2016 Reviewer, Gillings Innovation Laboratory Grant applications
 2015 Canadian Institutes of Health Research (CIHR), Review Committee for Team Grant : DOHaD - Implications for Men, Women, Boys and Girls
 2011 RFA Panel/Scientific Review Group PSE-B 50R Effects of the Social Environment on Health

SELECTED INVITED PRESENTATIONS, PAST 5 years

Urbanization and Health: Identifying pathways to healy sustainable urban development. Conference. "The nutrition transition". Invited speaker, Hannover, Germany Oct 11-12, 2018

Does faster post-malnutrition infant growth heighten risk of excess adiposity in adulthood? Podium presentation at the US DoHAD Society Meetings, Chapel Hill, NC, Oct 1-2, 2018

National Institutes on Aging, Baltimore MD, 2018. "Multidimensional aspects of aging: A 20-year profile of morbidity and functional outcomes in Filipino women."

Demography Daze, Duke University May 2018 "Harmonizing Data from Multiple Cohort Studies"

National Heart, Lung and Blood Institute, Bethesda, MD May 2018. "Nutritional Stressors During Pregnancy and Early Life and Risk for Developing CVD", presented at NIH Working Group meeting on "Social Determinants of Health: Early Life Adversity as a Contributor to Disparities in Cardiovascular Diseases."

Philippine Population Association, Los Banos, Philippines Feburary 2018. "Child health in the first 1000 days predicts health and human capital outcomes in Cebuano young adults".

Philippine Population Association, Philippines 2017 Plenary lecture. "Trajectories of Healthy Aging"

Department of Economics, University of San Carlos, Cebu, Philippines. January 2017 Lecture series on the Cebu Longitudinal Health and Nutrition Survey data analysis.

Carolina Population Center, January 2017 "The Value of Multidisciplinary and Longitudinal Approaches to Maternal and Child Health".

Demography Daze, Chapel Hill NC May 2017 "Mother to child transmission of HIV in Rwanda"

NCRM Research Methods Festival, Bath July 2016; Invited lecture: When children become adults, international birth cohort studies session. "*Methodological Challenges: The Cebu Longitudinal Health and Nutrition Survey*"

Inra-Cirad joint workshop on "Nutritional Transitions and Health Impacts", Paris, July 2016. Invited speaker.

Philippines Population Association Annual Meeting, Keynote speaker January 2016: *“Multidimensional pathways to healthy aging in Filipino women”*

College of Human Nutrition, University of the Philippines, Los Banos. Invited lecture for a series of presentations January 2016: *“Developmental Origins of Adult Health and Disease”*

International Society for Research in Human Milk and Lactation, Stellenbosh South Africa. Invited symposium speaker March 2016: *“Impact of Anti-retroviral medications on breast milk and infant nutritional status”*

Philippine Population Association, Annual Meeting, Cebu Philippines, January 2015, keynote speaker: *“Urbanization and Women’s Health in the Philippines:”*

CLOSER Conference on the importance of early years, childhood and adolescence: Evidence from longitudinal studies. British Library, London, November 2015 Keynote speaker: *“Early life influences on young adult health and human capital in low and middle income countries: Challenges and lessons from the COHORTS collaboration”*

Exito Foundation Nutrition Awards, Bogata Colombia. September 2015. Keynote speaker: *“The First 1000 Days: Short and Long term Implications for Health, Development, and Well-Being”*

Carolina Population Center seminar series, UNC Chapel Hill November 2015 : *“Social, Biological, and Environmental Linkages: 30 years of women’s health in the Cebu Longitudinal Health and Nutrition Survey”*

Institute of Medicine, Washington DC Conference on Examining a Developmental Approach to Childhood Obesity: The Fetal and Early Childhood Years, February 2015: *“The Role of Disparity in the Origins of Obesity Risk”*

World Health Organization, Invited presentation to the STAG on Inappropriate Promotion of Foods for Infants and Young Children, Geneva 2015. *“Health effects of commercially- available complementary foods”*

World Health Organization, Ad hoc Working Group on Science and Evidence for Ending Childhood Obesity Geneva, March 2015: *“Relating early growth to young adult health: birth cohort studies in 5 low and middle income countries”*

Duke University Population Research Institute Seminar Series: Invited lecture November 2015 *“Lifecourse and intergenerational health in the Philippines: The Cebu Longitudinal Health and Nutrition Survey”*

Center for Molecular and Clinical Epidemiology of Infectious Diseases (MAC-EPID), University of Michigan, March 2015, Invited keynote speaker *“The Dual Burden of Undernutrition and Obesity in Individuals, Households and Communities: A Global View”*

Developmental Origins of Adult Disease Society, Cape Town, South Africa November 2015 Invited Symposium Speaker: *“Translating biological to statistical models: What underlying biological phenomena do we want to represent with our statistical models?”*

University of Michigan, Early Life Conference, Ann Arbor March 2014, Invited lecture: *“Effects of early life events on later-life health and well-being”*

UNICEF Workshop on longitudinal data, Florence, Italy, October 2014 invited lecture: *“Challenges in harmonization and development of measures among the COHORTS studies”*

Reproductive and Perinatal Epidemiology Seminar series, UNC Chapel Hill February 2014, invited lecture: *“The Cebu (Philippines) Longitudinal Health and Nutrition Survey: Following a birth cohort of >3000 infants and their mothers for ~ 30 years”*

International Congress of Human Growth and Clinical Auxology, Maribor, Slovenia, September 2014: Invited speaker: *“Relating early growth to you adult health: Birth cohort studies in 5 low and middle income countries”*

Cornell University Maternal and Child Nutrition seminar series, invited lecturer, February 2014: *“The Breast-feeding, Anti-Retrovirals, and Nutrition (BAN) Study in Malawi: Implications for Maternal and Child Health”*

International Union of Nutritional Scientists, Beijing September 2013 *“The emergence of cardiometabolic disease risk in in Chinese children and adults: consequences of changes patterns of diet, physical activity, and obesity”*

International Union of Nutritional Scientists, Beijing September 2013 Invited Symposium speaker: *“Effects of Maternal Nutrition Supplementation and Anti-Retroviral Treatment on Postpartum Weight and Micronutrient Status of HIV-infected Women in the BAN Study”*

Developmental Origins of Adult Disease Society, Singapore 2013 Invited Symposium Speaker: *“Potential Interventions Suggested by DOHaD Cohort Studies”*

Nestle Nutrition Institute 78th NNI Workshop: International Nutrition - Achieving Millennium Goals and Beyond Muscat, Oman March 2013 *“Long-Term Consequences of Nutrition and Growth in Early Childhood and Possible Preventive Interventions”*

USAID Consultation on Non-Communicable Diseases and Targeting in the first 1,000 Days: Examining the science and programmatic approaches to combating NCDs by targeting the first 1,000 days. Washington DC, August 2012: *“Can we prevent NCD’s by targeting the first 1000 days of life? Overview of early life factors that influence NCD risk and implications for interventions and policy”*

China Centers for Disease Control and Prevention, Beijing, June 2012. *“The Emergence of Obesity and Cardiometabolic Disease Risk in China: Important Contributions of the China Health and Nutrition Survey”*

Chinese Public Health Nutrition Congress, Souzhou China, June 2012, invited symposium speaker: *“Why are the first 1000 days of life so important for health and human development?”*

African Nutrition Congress, Bloemfontein South Africa, October 2012, invited symposium speaker *“Maternal nutrition supplementation and antiretroviral therapy interact to influence nutritional status during lactation:*

World Health Organization Workshop on Complementary feeding and Non Communicable Disease development, Italy, June 2011. *“Conceptual basis of the pathways through which early diet could influence chronic disease development”*

Emory University Center for Predictive Health. Atlanta, February 2011 *“What is Risky about early growth? Predicting Lifespan Health Conference: Fetal Programing”*

Brown University Epidemiology Lecture Series, Providence, RI, March 2011: *“Relating early life exposures to young adult outcomes: methodological challenges and insights from the COHORTS collaboration”*

University of the Witwatersrand School of Public Health. Johannesburg March 2011 *“What is Risky about early growth?”*

Peer reviewer for journals:

Journal of Developmental Origins of Adult Health and Disease (Associate Editor); Journal of Nutrition (former Editorial Board Member); International Journal of Obesity (former Editorial Board Member); American Journal of Clinical Nutrition; Pediatrics; Asia Pacific Journal of Nutrition; International Journal of Epidemiology
American Journal of Epidemiology; Maternal and Child Nutrition; PLOS One; Lancet; Nature; BMJ
Major research impacts

TEACHING

Courses:

NUTR 885 *Doctoral Seminar* (1 credit), taught every year, co-taught with Nutrition Biochemistry faculty. Typical class size 8-15 students, Nutrition PhD and MS students only.

NUTR 745 *International Nutrition* (3 credits): Co-taught with Peggy Bentley, Alternate years. Typical class size 15-25 students, with a mix of MPH and PhD students from Nutrition, HB, MCH.

NUTR 818/EPID 818 *Analytic Methods in Nutrition Epidemiology* (3 credits) Alternate years. Typical class size 10-16, nutrition, and epidemiology PhD students.

NUTR 808 *Global Cardiometabolic Disease Seminar* (1 credit) Every semester, 5-8 students. Issues related to conduct of global nutrition research related to obesity, diabetes, cardiovascular and related diseases.

University of the Witwatersrand, Johannesburg South Africa

Translating Conceptual Models to Statistical Models for Implementation Science 2016-2017

Individual Mentoring:

I regularly serve as a primary mentor or co-mentor for BSPH and PhD students. These are listed in the tables, below. I also serve on 4-5 doctoral dissertation committees per year for students in nutrition and other departments (most often, Epidemiology).

Undergraduate, BSPH

Name	Degree/ graduation year	Thesis topic	Current Position
Kateland Branch	BSPH 2014	Factors influencing body image among Filipino youth	Child and Adolescent Psychiatry Fellow, UNC Health Care
Samuel Haddad	BSPH 2018	Intergenerational influences on breastfeeding in the Philippines	Princeton in Asia Fellow
Areej Hussein	BSPH 2020	Stunting and later reproductive outcomes in Filipino women	Current student

Graduate, PhD

Name	Degree/ graduation year	Dissertation Title	Current Position
Anna Maria Siega-Riz	PhD 1993	Nutritional Determinants of Prematurity	Professor of Nursing Associate Dean for Research Jeanette Lancaster Alumni Professor of Nursing, University of Virginia

Rittmeyer, Miriam (Urizar)	PhD 1996	Dietary Determinants of Linear Growth: Effect of Nutrient Intake and Diet Quality	Research Consultant, Emory University
Polhamus, Barbara	PhD 1997	The Effect of High Fertility on Maternal Nutritional Status	Behavioral Scientist Centers For Disease Control/Prevention, Division of Nutrition, Physical Activity, and Obesity retired 2018
Borja, Judith	PhD 1998	Young Maternal Age at First Pregnancy and Infant Growth	Office of Population Studies Foundation, University of San Carlos, Cebu Philippines Director until 12/31/2018
Mendez, Michelle	PhD 2000	Resilient growth and intellectual development in Filipino children	Associate Professor, University of Pittsburgh
Viswanathan, Meera	PhD 2001	Walking the tightrope: Women's work choices and time allocation strategies surrounding childbirth in Cebu, Philippines	Director, RTI-UNC Evidence-based Practice Center
Saldana, Tina	PhD 2002	Impaired Glucose Tolerance during Pregnancy	Epidemiologist, Social & Scientific Systems, Inc., Durham, NC, USA.
Eckhardt, Cara	PhD 2004	Linear Growth in the Post-Infancy Period: Patterns and Predictors in a Filipino Population	Associate Professor and Director of the Ph.D. program in Community Health at the OHSU-PSU School of Public Health in Portland, Oregon
Daniels, Melissa	PhD 2006	Dietary Diversity as a Measure of Dietary Adequacy throughout Childhood	Independent Nutrition Consultant, Provo, Uta Adjunct Assistant Professor UNC-CH, Dept. of Nutrition
Kelles, Anna (Jennings)	PhD 2008	Identifying the Determinants of Co-existing Over and Under-nutrition in the Philippines	Founder and nutrition counsellor, Kelles Nutrition & Wellness, Ithaca, NY Elected as Tompkins County Legislator
Emily Bobrow	PhD 2008	Factors that influence disclosure and program participation among pregnant HIV-positive women: A mixed methods study in Lilongwe, Malawi	Senior Technical Specialist for Evaluation and Learning, MEASURE Evaluation at University of North Carolina at Chapel Hill
Lee, Nanette	PhD 2009	Estimating the Effects of Overweight Duration, Sodium Intake and Genetic	Director, Univ. of San Carlos, Office of Population Studies Foundation, Cebu, Philippines

		Variants on Hypertension Risk among Filipino Women in Cebu, Philippines	
Dahly, Darren	PhD 2009	Environmental and Developmental Determinants of Obesity in Cebu, Philippines	Principal Statistician for the HRB Clinical Research Facility in Cork, Ireland, and Senior Lecturer in Research Methods at University College Cork.
Thomas, Roshan	PhD 2010	Determinants of Prenatal Nutrition and Adverse Birth Outcomes in HIV-Infected Pregnant Women: The BAN Study in Lilongwe, Malawi	Program Manager, Monitoring and Evaluation, Zika Surveillance, Centers for Disease Control and Prevention, Atlanta; Freelance Medical Writer
Slining, Meghan	PhD 2010	Characterization of Early Life Growth Trajectories: Implications for Lifelong Health	Associate Professor of Health Sciences, Furman University
Widen, Elizabeth	PhD 2012	Applying a mother-infant dyad perspective to examine the nutritional interrelationships of HIV-infected Malawian mothers and their exclusively breastfed infants	Beth Widen Assistant Professor Department of Nutritional Sciences, Department of Women's Health, University of Texas, Austin
Niha Zubair	PhD 2013	Novel approach to examine the interactive role of dietary, lifestyle, and genetic factors on cardiometabolic risk	Clinical Research Scientist at Arivale, Seattle
Emma Tzioumis	PhD 2016	Exploring the dual burden of over and undernutrition at the individual, household and community levels	Instructor, UNC Department of Nutrition, FIT4MOM instructor
Melecia Wright	PhD 2016	Breastfeeding and Protein Intake Influence Body Composition from Infancy to Adulthood	Research Scientist, Division of Chronic Disease Prevention, NY City Department of Health
Alberto Vargas	MS 2016	Exposure to Urbanization and its Longitudinal Association with Blood and Pulse Pressure in Adult Filipino Women	Research Computing Support Specialist, University of North Carolina at Chapel Hill
Elyse Powell	PhD 2018	U.S. Household Purchases of No- and Low-Sugar Products from Key Food Group Sources of Added Sugar, 2002-2014	Public Health Analyst Chronic Disease and Injury Section, North Carolina Department of Health, Raleigh NC

Luis Maldonado	2020 (anticipated)	Dietary patterns among diverse Latino populations and their consequences for insulin resistance and diabetes	Current PhD student, NIH predoctoral traineeship
Charlotte Lane	2020 (anticipated)	Growth in HIV-exposed and -uninfected infants	Current PhD student, Royster Fellow

Postdoctoral Trainees

Name	PhD University	Traineeship research area	Current Position
Thomas McDade, PhD	Emory	Urbanization and inflammation	Professor; Faculty Fellow, Institute for Policy Research; Director, Laboratory for Human Biology Research, Department of Anthropology, Northwestern University
Michelle Hindin, PhD	Johns Hopkins	Women's autonomy and health	Program Director, Reproductive Health. Population Council, New York, NY
Amanda Thompson, PhD	Emory	Infant feeding and parenting styles: consequence for infant growth	Associate Professor, Department of Anthropology, University of North Carolina at Chapel Hill
Benjamin Capistrant, ScD	Harvard	Aging among Filipino women	Assistant Professor, School of Social Work, Smith College
Valerie Flax, PhD	Tampere. Finland	Growth and micronutrient status in Malawian HIV-exposed infants	Senior Research Public Health Analyst, RTI International
Melissa Bauserman. MD, MPH	UNC-Chapel Hill (MD)	(Adair is LRP and K-Award application mentor) Complementary feeding, infections, and inflammation among infants in the Democratic Republic of the Congo	Assistant Professor of Pediatrics, University of North Carolina School of Medicine