

LINDA S. ADAIR

3/20/2024

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Honorary Professor
School of Clinical Medicine
University of the Witwatersrand
Johannesburg, South Africa

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. Biological Anthropology, 1980
- 1967-71 State University of New York at Stony Brook
B.S. 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
- 7/1/20-present Chair Doctoral Committee/Director of Graduate PhD Studies
- 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, and nutrition surveys; application of econometric and structural models to health outcomes research, particularly longitudinal modeling.

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

MEMBERSHIP IN ACADEMIC SOCIETIES

American Society for Nutrition, Global Nutrition Council
International Society for Developmental Origins of Health and Disease
US DOHaD Society, Advisory Council
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

Harvard TH Chan School of Public Health

Technical Advisory Group members for the Gestational Weight Gain Pooling Project, 2022-present

World Health Organization

WHO consultation on growth faltering and failure in the first six months of life, April 2021

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)

RTI International. The Nawiri Project, funded by USAID. Longitudinal analysis of drivers of global acute malnutrition in Kenyan children. (2022-present)

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 (2013-2018)

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

US DOHaD Society, Elected member of Advisory Council 2021-present

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

NIH 2U2COD023375-08

9/21/2016-8/31/2030

Environmental influences on Child Health Outcomes (ECHO) Coordinating Center

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: MPI with Brian Smith at Duke University.

D43TW009774 (Pettifor)

06/01/14-03/31/24

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

8/1/2016-7/31/2026

Global Cardiometabolic Disease Training Program

Predocutorial training grant for nutrition PhD students 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.

NIH R01 AG061006-01

4/1/2020-3/31/2024

Lifecourse determinants and outcomes of epigenetic age acceleration across two Generations.

PI Chris Kuzawa, Northwestern University. This application uses existing data and adds collection of new biomarker data to the Cebu Longitudinal Health and Nutrition Survey to examine epigenetic changes related to adverse lifecourse events, and their association with multiple aspects of health and wellbeing.

Role: Consultant

R01 HD100497-01A1

7/1/2020-6/30/2025

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.

R01 HD030880-25

09/01/19-08/31/24

Monitoring Social Change: Health and Human Capital from Childhood to Adulthood

The objective of the proposed study is to collect an 11th round of CHNS data and identify life-stage-specific exposures that predict health and human capital.

Role: MPI with Popkin

R01 AG065357

09/01/19-08/31/24

Monitoring Social Change: Dynamics Of Aging And Cognitive Function

The objective of the proposed study is to identify trajectories of key risk factors and their combinations that predict or protect against early and severe cognitive decline and to increase understanding of the modifiable social, behavioral and environmental factors that prevent or reduce the burden of age-related dementias.

Role: MPI with Popkin

Completed Grants and Contracts

Bill and Melinda Gates Foundation. OPP1164115 4/1/2017-12/31/2021
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 11/1/2018-10/31/2022
Funding to Ariadne Labs and Harvard University (Semerau), with Subcontract to UNC (Hoffman/Mvalo)
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 birthweight infants in Malawi, Tanzania, and India. Role: Co-I for the UNC subcontract.

R01HD030880 (Popkin) 08/15/14-05/31/20
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.

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 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 our Breastfeeding, Anti-Retrovirals, and Nutrition (BAN) 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.

PUBLICATIONS IN REFEREED JOURNALS OR VOLUMES

H-Index 114, i10 index 341, 30, 979 citations

* Denotes publications with current or former students or postdoctoral fellows

2024

1. *Frank SM, Jaacks LM, **Adair LS**, Avery CL, Meyer KT, Rose D, Taillie LS. Adherence to the Planetary Health Diet Index and Correlation with Nutrients of Public Health Concern: An analysis of NHANES 2003-2018. *The American Journal for Clinical Nutrition*, 2024. Feb;119(2):384-392. doi: 10.1016/j.ajcnut.2023.10.018. Epub 2024 Jan 5. PMID: 38309827
2. Suzuki K, Hatzikotoulas K, Southam L, Taylor HJ, Yin X, et al, **Adair LS**, Zeggini E. Genetic drivers of heterogeneity in type 2 diabetes pathophysiology. *Nature*. 2024. Epub 2024/02/20. doi: 10.1038/s41586-024-07019-6. PubMed PMID: 38374256.
3. *Aronoff JE, Koning SM, **Adair LS**, *Lee NR, Carba DB, *Kuzawa CW, *McDade TW. Intimate partner violence, depression, and chronic low-grade inflammation among middle-aged women in Cebu, Philippines. *Am J Hum Biol*. 2024:e24053. Epub 2024/02/14. doi: 10.1002/ajhb.24053. PubMed PMID: 38353326.
4. Bradfield JP, Kember RL, Ulrich A, et al, Adair LS, Cousminer DL. Trans-ancestral genome-wide association study of longitudinal pubertal height growth and shared heritability with adult health outcomes. *Genome Biol*. 2024;25(1):22. Epub 2024/01/17. doi: 10.1186/s13059-023-03136-z. PubMed PMID: 38229171; PMCID: PMC10790528 Mark
5. *Frank SM, Jaacks LM, Avery CL, Adair LS, Meyer K, Rose D, Taillie LS. Dietary quality and cardiometabolic indicators in the USA: A comparison of the Planetary Health Diet Index, Healthy Eating Index-2015, and Dietary Approaches to Stop Hypertension. *PLoS One*. 2024;19(1):e0296069. Epub 2024/01/10. doi: 10.1371/journal.pone.0296069. PubMed PMID: 38198440; PMCID: PMC10781024.
6. *Frank SM, Jaacks LM, Meyer K, Rose D, Adair LS, Avery C, Taillie LS. Dietary quality and greenhouse gas emissions in the USA: A comparison of the Planetary Health Diet Index, Healthy Eating Index-2015, and Dietary Approaches to Stop Hypertension. *Apr 2;21(1):36*. doi: 10.1186/s12966-024-01581-y. PMID: 38566176
7. Aronoff JE, *McDade TW, *Adair LS, *Lee NR, Carba DB, Maclsaac JL, Dever K, Atashzay P, Kobor MS, Kuzawa CW. Socioeconomic status is negatively associated with immunosenescence but positively associated with inflammation among middle-aged women in Cebu, Philippines. *Brain Behav Immun*. 2024;115:101-8. Epub 2023/10/12. doi: 10.1016/j.bbi.2023.10.003. PubMed PMID: 37820972; PMCID: PMC10841485.

2023

8. Stein AD, **Adair LS**, Donati G, Wray C, Richter LM, Norris SA, Stein A, Martorell R, Ramirez-Zea M, Menezes AMB, Murray J, Victora C, *Lee N, Bas I. Early-life stature, preschool cognitive development, schooling attainment, and cognitive functioning in adulthood: a prospective study in four birth cohorts. *Lancet Glob Health*. 2023;11(1):e95-e104. Epub 2022/12/16. doi: 10.1016/s2214-109x(22)00448-x. PubMed PMID: 36521958; PMCID: PMC9764453.

9. *Poveda NE, **Adair LS**, Martorell R, et al. Growth patterns in childhood and adolescence and adult body composition: a pooled analysis of birth cohort studies from five low and middle-income countries (COHORTS collaboration). *BMJ Open* 2023;13:e068427. doi:10.1136/bmjopen-2022-068427.
10. Vesel L, Bellad RM, Manji K, Saidi F, Velasquez E, Sudfeld CR, Miller K, Bakari M, Lugangira K, Kisenge R, Salim N, Somji S, Hoffman I, Msimuko K, Mvalo T, Nyirenda F, Phiri M, Das L, Dhaded S, Goudar SS, Herekar V, Kumar Y, Koujalagi MB, Guruprasad G, Panda S, Shamanur LG, Somannavar M, Vernekar SS, Misra S, **Adair L**, Bell G, Caruso BA, Duggan C, Fleming K, Israel-Ballard K, Fishman E, Lee ACC, Lipsitz S, Mansen KL, Martin SL, Mokhtar RR, North K, Pote A, Spigel L, Tuller DE, Young M, Semrau KEA; LIFE study team. Feeding practices and growth patterns of moderately low birthweight infants in resource-limited settings: results from a multisite, longitudinal observational study. *BMJ Open*. 2023 Feb 15;13(2):e067316. doi: 10.1136/bmjopen-2022-067316. PMID: 36792338; PMCID: PMC9933750.
11. Nyati LH, Norris SA, Micklesfield LK, **Adair L**, Fall C, Lee N, Martorell R, Osmond C, Richter LM, Sachdev HS, Horta B, Stein AD; COHORTS Group; Birth to Thirty; New Delhi Birth Cohort; INCAP Nutrition Supplementation Trial Longitudinal Study; Cebu Longitudinal Health and Nutrition Survey. Growth in infancy and childhood and age at menarche in five low- or middle-income countries: Consortium of Health Orientated Research in Transitional Societies (COHORTS). *J Nutr*. 2023 Jul 12:S0022-3166(23)72482-6. doi:10.1016/j.tjnut.2023.07.003. Epub ahead of print. PMID: 37451558.
12. *Poveda NE, **Adair LS**, Martorell R, Patel SA, Ramirez-Zea M, Stein AD. Early life predictors of body composition trajectories from adolescence to mid-adulthood. *Am J Hum Biol*. 2023 Jul 4:e23952. doi: 10.1002/ajhb.23952. PMID: 37401888.
13. McDade TW, Ryan CP, **Adair LS**, *Lee NR, Carba DB, Maclsaac JL, Dever K, Atashzay P, Kobor MS, Kuzawa CW. Association between infectious exposures in infancy and epigenetic age acceleration in young adulthood in metropolitan Cebu, Philippines. *Am J Hum Biol*. 2023 Jun 20:e23948. doi: 10.1002/ajhb.23948. PMID: 37338007.
14. McDade TW, Ryan CP, **Adair LS**, *Lee NR, Carba DB, Maclsaac JL, Dever K, Atashzay P, Kobor MS, Kuzawa CW. Reply to Nwanaji-Enwerema, 2023, Exposome and low birthweight selection bias considerations in early life infections and epigenetic age relationships. *Am J Hum Biol*. 2023:e23977. Epub 2023/08/09. doi: 10.1002/ajhb.23977. PubMed PMID: 37555479.
15. Miller V, Webb P, Cudhea F, Zhang J, Reedy J, Shi P, Erndt-Marino J, Coates J, Micha R, Mozaffarian D; (Adair, as part of Global Dietary Database.) Children's and adolescents' rising animal-source food intakes in 1990-2018 were impacted by age, region, parental education and urbanicity. *Nat Food*. 2023 Apr;4(4):305-319. doi:10.1038/s43016-023-00731-y. Epub 2023 Apr 20. PMID: 37117550.
16. Semrau KEA, Mokhtar RR, Manji K, Goudar SS, Mvalo T, Sudfeld CR, Young MF, Caruso BA, Duggan CP, Somji SS, Lee ACC, Bakari M, Lugangira K, Kisenge R, **Adair LS**, Hoffman IF, Saidi F, Phiri M, Msimuko K, Nyirenda F, Michalak M, Dhaded SM, Bellad RM, Misra S, Panda S, Vernekar SS, Herekar V, Somannavar M, Nayak RB, Yogeshkumar S, Welling S, North K, Israel-Ballard K, Mansen KL, Martin SL, Fleming K, Miller K, Pote A, Spigel L, Tuller DE, Vesel L; LIFE Study Group. Facility-based care for moderately low birthweight infants in India, Malawi, and Tanzania. *PLOS Glob Public Health*. 2023 Apr 19;3(4):e0001789. doi:10.1371/journal.pgph.0001789. PMID: 37075019; PMCID: PMC10115266.
17. Suzuki K, (>50 authors), **Adair LS**, ..., Zeggini E. Multi-ancestry genome-wide study in >2.5 million individuals reveals heterogeneity in mechanistic pathways of type 2 diabetes and complications. *medRxiv* 2023 Mar 31:2023.03.31.23287839. doi: 10.1101/2023.03.31.23287839. PMID: 37034649; PMCID:PMC10081410.

18. Rebolledo N, Bercholz M, **Adair L**, Corvalán C, Ng SW, Taillie LS. Sweetener Purchases in Chile before and after Implementing a Policy for Food Labeling, Marketing, and Sales in Schools. *Curr Dev Nutr.* 2022 Dec23;7(2):100016. doi: 10.1016/j.cdnut.2022.100016. PMID: 37180088; PMCID: PMC10111599.
19. Hudda MT, Wells JCK, **Adair LS**, Alvero-Cruz JRA, Ashby-Thompson MN, Ballesteros-Vásquez MN, et al. External validation of a prediction model for estimating fat mass in children and adolescents in 19 countries: individual participant data meta-analysis. *Bmj.* 2022;378:e071185. Epub 2022/09/22. doi: 10.1136/bmj-2022-071185. PubMed PMID: 36130780; PMCID: PMC9490487
20. Kanoni S, Graham SE, Wang Y, Surakka I, **Adair LS**... et al.. Implicating genes, pleiotropy, and sexual dimorphism at blood lipid loci through multi-ancestry meta-analysis. *Genome Biol.* 2022;23(1):268. Epub 2022/12/28. doi: 10.1186/s13059-022-02837-1. PubMed PMID: 36575460; PMCID: PMC9793579.
21. *Varghese JS, Hall RW, **Adair LS**, Patel SA, Martorell R, Belleza DE, Kroker-Lobos MF, Lee NR, Nyati LH, Ramirez-Zea M, Richter LM, Stein AD. Subjective social status is associated with happiness but not weight status or psychological distress: An analysis of three prospective birth cohorts from low- and middle-income countries. *Wellbeing Space Soc.* 2022;3:None. Epub 2022/12/16. doi: 10.1016/j.wss.2022.100115. PubMed PMID: 36518911; PMCID: PMC9732742.
22. Yengo L, Vedantam S, Marouli E, Sidorenko J, Bartell E, Sakaue S, Graff M, **Adair L** ...et al., Hirschhorn JN. A saturated map of common genetic variants associated with human height. *Nature.* 2022;610(7933):704-12. Epub 2022/10/13. doi: 10.1038/s41586-022-05275-y. PubMed PMID: 36224396; PMCID: PMC9605867
23. Ramdas S, Judd J, Graham SE, Kanoni S, Wang Y, Surakka I, **Adair LS**, et al. A multi-layer functional genomic analysis to understand noncoding genetic variation in lipids. *Am J Hum Genet.* 2022;109(8):1366-87. Epub 2022/08/06. doi: 10.1016/j.ajhg.2022.06.012. PubMed PMID: 35931049; PMCID: PMC9388392.
24. *Kuzawa CW, Ryan CP, **Adair LS**, *Lee NR, Carba DB, Maclsaac JL, Dever K, Atashzay P, Kobor M, *McDade TW. Birthweight and maternal energy status during pregnancy as predictors of epigenetic age acceleration in young adults from Metropolitan Cebu, Philippines. 2022, *Epigenetics* 14:1-11. doi: 10.1080/15592294.2022.2070105.
25. Black RE, Liu L, Hartwig FP, Villavicencio F, Rodriguez-Martinez A, Vidaletti LP, Perin J, Black MM, Blencowe H, You D, Hug L, Masquelier B, Cousens S, Gove A, Vaivada T, Yeung D, Behrman J, Martorell R, Osmond C, Stein AD, **Adair LS**, Fall CHD, Horta B, Menezes AMB, Ramirez-Zea M, Richter LM, Patton GC, Bendavid E, Ezzati M, Bhutta ZA, Lawn JE, Victora CG. Health and development from preconception to 20 years of age and human capital. *Lancet.* 2022;399(10336):1730-40. Epub 2022/05/01. doi: 10.1016/s0140-6736(21)02533-2. PubMed PMID: 35489357.
26. *Jensen ML, Dillman Carpentier FR, Corvalán C, Popkin BM, Evenson KR, **Adair L**, Taillie LS. Television viewing and using screens while eating: Associations with dietary intake in children and adolescents. *Appetite.* 2022;168:105670. Epub 2021/09/04. doi: 10.1016/j.appet.2021.105670. PubMed PMID: 34478756; PMCID: PMC8671257.
27. *Rebolledo N, Reyes M, Popkin BM, **Adair L**, Avery CL, Corvalán C, Ng SW, Taillie LS. Changes in nonnutritive sweetener intake in a cohort of preschoolers after the implementation of Chile's Law of Food Labelling and Advertising. *Pediatr Obes.* 2022:e12895. Epub 2022/01/29. doi: 10.1111/ijpo.12895. PubMed PMID: 35088571.
28. Victora CG, Hartwig FP, Vidaletti LP, Martorell R, Osmond C, Richter LM, Stein AD, Barros AJD, **Adair LS**, Barros FC, Bhargava SK, Horta BL, Kroker-Lobos MF, Lee NR, Menezes AMB, Murray J, Norris SA, Sachdev HS, Stein A, *Varghese JS, Bhutta ZA, Black RE. Effects of early-life poverty on health and human capital in children and adolescents: analyses of national surveys and birth cohort studies in LMICs. *Lancet.*

- 2022;399(10336):1741-52. Epub 2022/05/01. doi: 10.1016/s0140-6736(21)02716-1. PubMed PMID: 35489358.
29. *Hasken JM, **Adair LS**, Martin SL, Thompson AL, Marais AS, de Vries MM, Kalberg WO, Buckley D, Eugene Hoyme H, Seedat S, Parry CDH, May PA. The influence of maternal weight and alcohol exposure on infant physical characteristics and neurodevelopmental outcomes. *Curr Res Toxicol.* 2022 May 20;3:100076. doi: 10.1016/j.crttox.2022.100076. PMID: 35694418; PMCID: PMC9178472.
 30. *Allotey D, Flax VL, Ipadeola AF, Kwasu S, **Adair LS**, Valle CG, Bose S, Martin SL. Fathers' Complementary Feeding Support Strengthens the Association Between Mothers' Decision-Making Autonomy and Optimal Complementary Feeding in Nigeria. *Curr Dev Nutr.* 2022 Jun 2;6(7):nzac098. doi: 10.1093/cdn/nzac098. PMID:35854939; PMCID: PMC9283102.
 31. *Meyrueix LP, Gharaibeh R, Xue J, Brouwer C, Jones C, **Adair L**, Norris SA, Ideraabdullah F. Gestational diabetes mellitus placentas exhibit epimutations at placental development genes. *Epigenetics.* 2022 Aug 21:1-21. doi:10.1080/15592294.2022.2111751. PMID: 35993304.
 32. Mahajan A, Spracklen CN, Zhang W, ...**Adair LS**, (>20 authors) , Morris AP. Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. *Nat Genet.* 2022 May;54(5):560-572. doi: 10.1038/s41588-022-01058-3. PMID: 35551307; PMCID: PMC9179018.

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BOOK REVIEWS

1. **Adair L.** Review of: Developing a Different Perspective on Disease. Review of Developmental Origins of Health and Disease, Peter Gluckman and Mark Hanson (editors) Cambridge University Press, 2006. Science 2007; 600-601.
2. **Adair LS.** Review of C. J. K. Henry and S. J. Ulijaszek, *Long-Term Consequences of Early Environment: Growth Development and the Lifespan Developmental Perspective* (New York: Cambridge University Press, 1996). American Journal of Human Biology. 1998;10:269-70.
3. **Adair L.** Review of: ONLY MOTHERS KNOW – Patterns of infant feeding in traditional cultures by Dana Raphael, American Anthropologist. 1986;88(3):756-7.
4. **Adair L.** Review of: Breastfeeding and Fertility, by Potts M, Thapa S, Herbertson MA. American Journal of Physical Anthropology. 1986;70(1):136-8. doi: 10.1002/ajpa.1330700121.
5. **Adair L.** Breastfeeding and fertility Potts M, Thapa S, Herbertson MA. American Journal of Physical Anthropology. 1986;70(1):136-8. doi: 10.1002/ajpa.1330700121.

BOOK CHAPTERS

1. **Adair LS** (2014). Long-Term Consequences of Nutrition and Growth in Early Childhood and Possible Preventive Interventions. In: Black RE, Singhal A, Uauy R, editors. International Nutrition: Achieving Millennium Goals and beyond. Vevey, Switzerland: Nestec Ltd., S. Karger AG; p. 111-20.
2. **Adair LS** (2005) Early Origins of Disease: Non-Fetal. Encyclopedia of Human Nutrition.
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.
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.

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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

2022 NHLBI Member Conflict Institutional Training T32-Awards
2017-present Chair and Administrator, ECHO Opportunities and Infrastructure Fund Review Panel
2021-present Wellcome Trust Population and Public Health shortlisting committee
2018-2021 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

At UNC:

2020-present Gillings Study Section
2019-present Carolina Population Center Development Group

SELECTED INVITED PRESENTATIONS, PAST 5 years

Keynote Speaker, Philippines Pediatric Society. Emergence and Persistence of Effects of Early Child Nutrition. Manila, June 2023

Invited Seminar Speaker, The Nutrition and Global Health Program at the Harvard School of Public Health. Early life influences on adult health and well-being: Comparative studies from low- and middle-income countries in the COHORTS collaboration. February 2022

WHO Invited presentation. Challenges in the identification of excess adiposity in infants, children and adolescents using anthropometry. September 2021

Invited Seminar Speaker. University of Michigan Institute for Social Research and the Evolution and Human Adaptation Program. "Developmental Origins of Health and Disease: Evolutionary and Epidemiological Approaches." February 2020

University of San Carlos, Economics Lecture Series: Human Capital: Driver of Growth and Development, March 11, 2020. USC, Cebu, Philippines.

Keynote Speaker for the International Breastfeeding Symposium, an International Symposium with the Ministry of Health and Social Protection of Colombia. Bogota, Colombia (planned June 2020, postponed)

Keynote speaker for the International Conference on Public Health, in Solo, Indonesia, November 2020.

Invited speaker and Symposium Organizer, "Continuities and Discontinuities in Pre and Postnatal growth". International Society for Auxology, Sibenek, Croatia, June 2020, postponed.

Urbanization and Health: Identifying pathways to healthy 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 February 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"

Exitto Foundation Nutrition Awards, Bogota 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 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, Suzhou 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 Programming”*

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 (Former 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; BMJ Pediatrics; Pediatric and Perinatal Epidemiology; Public Health Nutrition.

TEACHING

Courses:

NUTR 885 *Doctoral Seminar* (2 credits), 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): 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 regular 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 Honors 2014	Factors influencing body image among Filipino youth	Child and Adolescent Psychiatry Fellow, UNC Health Care
Samuel Haddad	BSPH Honors 2018	Intergenerational influences on breastfeeding in the Philippines	Princeton in Asia Fellow 2019-20 Medical Student, UNC School of Medicine
Areej Hussein	BSPH Honors 2020	Stunting and later reproductive outcomes in Filipino women	Dental Student, East Carolina University
Saratu Garba	BSPH Honors 2022	Maternal weight changes across reproductive cycles	MS Student in Medical ethics, Wake Forest University
Erin	Health and Society BSPH track in Nutrition	Epigenetic clocks and adult health in the Cebu Longitudinal Health and Nutrition Survey	Senior, UNC Chapel Hill

Undergraduate, Other

Leo McNicholas	Summer	Maternal weight changes	UNC Chapel Hill Senior (22-23 AY)
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	minority research fellowship	across reproductive cycles	
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Graduate, PhD

Name	Degree/ graduation year	Dissertation Title	Current Position
Anna Maria Siega-Riz	PhD 1993	Nutritional Determinants of Prematurity	Dean of the School of Public Health and Health Sciences , Amherst University
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 12/31/2019, retired
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, Utah 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 to New York State Legislature representing Tompkins County
Emily Bobrow	PhD 2008	Factors that influence disclosure and program participation among pregnant HIV-positive women: A mixed methods study in Lilongwe, Malawi	Associate Scientist, DataDent, Johns Hopkins Bloomberg School of Public Health
Lee, Nanette	PhD 2009	Estimating the Effects of Overweight Duration, Sodium Intake and Genetic Variants on Hypertension Risk among Filipino Women in Cebu, Philippines	Director, Univ. of San Carlos, Office of Population Studies Foundation, 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	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	Data Scientist Living Matrix Glen Allan VA
Emma Tzioumis	PhD 2016	Exploring the dual burden of over and undernutrition at the individual, household and community levels	Epidemiologist, Program Planning and Evaluation Specialist, Cambridge Health Alliance, Cambridge MA Department of Public Health

Melecia Wright	PhD 2016	Breastfeeding and Protein Intake Influence Body Composition from Infancy to Adulthood	Data Scientist Murmation New York, NY
Alberto Vargas	MS 2016	Exposure to Urbanization and its Longitudinal Association with Blood and Pulse Pressure in Adult Filipino Women	Software Developer Cornerstone Systems Northwest, Inc. Carrboro, NC
Elyse Powell	PhD 2018	U.S. Household Purchases of No- and Low-Sugar Products from Key Food Group Sources of Added Sugar, 2002-2014	State Opioid Coordinator North Carolina Department of Health and Human Services
Charlotte Lane	2020	Growth in HIV-exposed and -uninfected infants	Evaluation Specialist, 3ie Impact Evaluation, Washington DC
Luis Maldonado	2020	Dietary patterns among diverse Latino populations and their consequences for insulin resistance and diabetes	Postdoctoral Research Scholar Department of Preventive Medicine Keck School of Medicine University of Southern California
Julie Hasken	2021	Maternal weight, fetal alcohol exposure and child developmental outcomes	Postdoctoral Research Associate Nutrition Research Institute UNC Chapel Hill Kannapolis, NC
Kyle Busse	2024	Ultraprocessed foods and blood pressure in Filipino adolescence and young adults	UNC PhD Student, American Heart Association Fellow, Postdoctoral Fellow, Univ of Pennsylvania School of Medicine, appointed for July 2024
Joshua Miller	2024 (anticipated)	Water and food/nutrition security in LMIC setting	NIH F31 Trainee, UNC Royster Fellow
Romania Voloshchuk	2026 (anticipated)	Factors associated with accelerated epigenetic aging in the CLHNS	2nd year PhD student AY 23-24, GCMD T32 Fellow

2023-24 PhD Committees

UNC PhD Nutrition student committees: Sarah Frank (2023 graduate) Caitlin Lowery (2023 graduate)
Current students: Kylie Reed, Grace Qian, Alexandra Ross, Gabriela Vatauvuk Serrati

UNC Epidemiology PhD student: Esther Chung
Emory University Students:) Natalia Poveda Rey (2023 Grad)

Graduate, MPH

Name	Degree/ graduation year	Thesis Title	Current Position
Shannon Applegate	MPH 2020	Intergenerational Breastfeeding Patterns in the Philippines	ORISE fellow at the CDC with the Healthy Tribes Evaluation team

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	Professor and Chair, 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	Associate Professor of Pediatrics, University of North Carolina School of Medicine

Other Current Service at UNC (2023)

Department of Nutrition, PhD Program Director
Carolina Population Center, Methods, Measurement, and Research Design Resource Panel
Carolina Population Center and Gillings grant review groups

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