

Lia C. H. Fernald

Address: Professor, School of Public Health
University of California, Berkeley
50 University Hall, MC 7360
Berkeley, CA 94720-7360

Phone: (510) 643-9113

Email: fernaldb@berkeley.edu

Education

- 1990-1994 **B.A. (Distinction)** Biological Anthropology, Concentration in Food Policy Swarthmore College, Swarthmore, Pennsylvania. Semester abroad in Athi River, Kenya.
Thesis entitled: Hunger, seasonality, and the human condition – Agricultural production cycles and drought in Sub-Saharan Africa.
- 1994-1999 **Ph.D.** International Nutrition & Public Health. Centre for International Child Health, University College London, University of London Medical School, London, England. Field work at the University of the West Indies, Kingston Jamaica, and the Mother Infant Research Association, Kathmandu, Nepal.
Thesis entitled: Linear growth retardation and stress in school-aged Jamaican and Nepalese children
- 1998-2000 **M.B.A.** with Certificate in Health Care Management. University of California at Berkeley, Haas School of Business, Berkeley, California.
- 2001-2002 **Post-doctoral Fellow** in Health Economics and Policy. University of California at Berkeley and the National Institute of Public Health, Cuernavaca, Mexico

Employment History

- 2020-present Brian and Jennifer Maxwell Endowed Chair in Public Health
- 2014-present Professor, Community Health Sciences, School of Public Health, University of California, Berkeley
- 2015-2016 Associate Dean for Research, School of Public Health, University of California, Berkeley
- 2009-2014 Associate Professor, Community Health and Human Development, School of Public Health, University of California, Berkeley
- 2005-2009 Assistant Professor, Community Health and Human Development, School of Public Health, University of California, Berkeley
- 2002-2004 Assistant Researcher, Haas School of Business, UC Berkeley, and Mexico's National Institute of Public Health.

Honors and Awards

- 1994 – 1995 Fulbright Full Research Grant for study of Public Health in Jamaica.
1995 – 1998 National Institutes of Health Individual Research Scientist Award (F31) for Ph.D.
1995 – 1996 Caribbean Commonwealth Medical Research Council Grant for Ph.D.
1996 – 1998 Overseas Research Students Award for support for Ph.D.
1998 – 1999 Kaiser Award for support of M.B.A., Haas School of Business, UC Berkeley.
1998 – 1999 Haas Academic Scholarship for tuition for M.B.A., UC Berkeley.
2000 Dean’s Award, Walter A. Haas School, UC Berkeley.
2002 – 2004 National Institutes of Health Pediatric Research Loan Repayment Program Award
2004 Scholar’s Award, American Psychosomatic Society
2002 – 2006 National Institutes of Health (KO1), Fogarty International Center, International Research Scientist Development Award.
2006 – 2008 Martin Sisters’ Endowed Chair, University of California, Berkeley
2009 Young Investigator’s Research Award, Association of Schools of Public Health
2011 & 2016 Contributing author to *The Lancet* series on Early Child Development
2016 Teaching and Mentoring Award from the Joint Medical Program, UC Berkeley
2016-2020 Committee on Teaching Excellence Award for Teaching at School of Public Health

Professional Activities and Service

International

- 2019-present Non-Resident Fellow, Center for Global Development, Washington D.C., London
2019-present Selected Member of Power of Nutrition Working Group, Developing Robust Monitoring and Evaluation Systems, London, UK
2019-present Special Advisor to World Health Organization (WHO) Consultative Group on Early Child Development, Monitoring Children’s Development at the Frontline, Geneva
2017-present Expert Reviewer, World Health Organization, Dept. for Health and Development.
2008-present Invited Scientific Reviewer for the Wellcome Trust, London, UK
2016-2018 International Scientific Advisory Board Member, Chile Inclusivo, Santiago, Chile
2012-2018 Steering Committee, Global Child Development Group, Selected to prepare 3-paper Series for the *Lancet*
2010-2016 Invited Expert Member, International Child Health and Nutrition Knowledge Network, part of Child Health and Nutrition Research Initiative (CHNRI), India.
2010-2014 Consultant to Impact Evaluation of Gates Foundation funded randomized trial of Water, Sanitation and Hygiene interventions in Bangladesh and Kenya.
2012-2014 Organizing Committee, National Academy of Sciences Conference and Special Journal Issue: Every Child's Potential: Integrating Nutrition, Health, and Psychosocial Interventions to Promote Early Childhood Development.
2010-2012 Associate Member, Canadian Institute for Advanced Research, Experience-Based Brain and Biological Development Program.
2009-2010 Consultant to Micronutrient Initiative, Ottawa, Canada
2009-2011 Invited Member, International Child Development Task Force, selected to prepare 2-paper series for the *Lancet*.
2007-2010 Consultant to Impact Evaluation of Water and Sanitation Program in Peru, Vietnam, Senegal, Tanzania and India

- 2007-2009 Consultant to World Bank on Design and Analysis of Early Childhood Development and Community Based Nutrition Program in Madagascar
- 2005-2007 Consultant to Governments of Ecuador and Colombia on evaluation of national poverty alleviation programs
- 2005-2011 Consultant to the Mexican Government's Evaluation of the national *Educacion Inicial* (Early Childhood Education) program in rural areas
- 2005-2008 Consultant to World Bank Obesity Task Force and Child Development Group on programs in Mexico, Senegal, Yemen and other countries
- 2004-2009 Consultant to Mexican Government's Evaluation of *Oportunidades* (previously PROGRESA), Mexico's national welfare program

National

- 2020-present California State Technical Advisory Team, Consortium of Universities in Global Health.
- 2012-present NIH Study Section Reviewer, NIH Panel, R meeting Social Science and Population Studies (R01, R21, R03).
- 2010-present Reviewer, National Science Foundation (NSF) proposals
- 2016-2018 Appointed Member: Institute of Medicine, National Academy of Sciences (NAS) Committee on "Global Health and the Future Role of the United States".
- 2014 Invited Contributor: Forum on Investing in Young Children Globally: The Cost of Inaction Workshop. Institute of Medicine, Washington D.C.
- 2013 Invited Participant: Evidence Summit on Enhancing Child Survival and Development in Lower- and Middle-Income Countries by Achieving Population-Level Behavior Change. USAID, Washington D.C.
- 2010 NIH Study Section Reviewer, NIH Special Emphasis Panel, ZRG1 PSE-H (80), Social Sciences and Population Studies (R03, R15, R21)
- 2010-2014 Associate Editor, Public Health Nutrition
- 2009 Reviewer, NIH Special Emphasis Panel, ZRG1 HOP-B 90, Social Sciences and Population Studies (R03, R15, R21)
- 2008-2012 Editorial Board, Journal of Community Health
- 2008 Invited Scientific Reviewer for National Children's Study Research Plan Report
- 2007-2012 Program Leader, Robert Wood Johnson Health and Society Scholars Program for the UC Berkeley site (UCSF/UC Berkeley Joint Program)
- 2007-2008 Invited Member: National Initiative for Children's Healthcare Quality's Childhood Obesity Action Network
- 2006-2007 Reviewer, Scientific Review Panel NIH Pre-doc Fellowships (F31), PA-00-069
- 2005-2006 Consultant to California Community Alliance with Family Farmers, Davis, California
- 2005-2006 Invited Member: Obesity Policy Advisory Committee, Latino Coalition for a Healthy California
- 2005-2006 Invited Participant: California Program on Access to Care Forum on *Childhood obesity among Latino immigrant families: a consensus forum on Research, Policy & Programs*
- 2004-2006 Professional trainee: *American Psychosomatic Society*
- 2004-2006 Member, Center for Obesity Assessment, Study and Treatment, University of California, San Francisco.
- 2002-2007 Network Associate: *MacArthur Research Network on SES and Health*. Invited presentations in Chicago IL (May 2002); Santa Monica CA (February 2004); Phoenix, AZ (February 2005); Boston, MA (April 2006).

2002-2005 Network Associate: NIH *Network on Early Experience and Glucocorticoids*, NIH (1R03-MH60766-02). Atlanta, GA (Feb 14-16, 2002); Minneapolis MN (Jul 30 – Aug. 2, 2002); San Antonio TX (Feb 26-Mar 1, 2004).

University Service

2020-present Executive Committee, Global Metropolitan Studies, UC Berkeley
2020-present Committee on Research, UC Berkeley
2020-present Chair, Faculty Advisory Council, School of Public Health
2019-present Faculty Affiliate, Center for Science, Technology, Medicine & Society, UC Berkeley
2019-present Faculty Affiliate, University of California Network on Poverty and Health, UC Berkeley
2018-present Co-Chair, Educational Policy and Curriculum Committee, School of Public Health
2018-2020 Faculty Advisory Council (ex-officio member), School of Public Health
2016-present Faculty Director, PhD in Population Health Sciences (Health Policy), UC Berkeley
2015-2020 Director, Public Health Nutrition Program, School of Public Health
2012-present Faculty Affiliate, Center for Effectiveness in Global Action (CEGA), UC Berkeley
2010-present Faculty Board Member, Greater Good Science Center, UC Berkeley
2009-present Invited Member: Graduate Group in Nutrition, University of California, Davis.
2009-present Faculty Member, Program in Global Nutrition, University of California, Davis
2006-present Invited Member of Graduate Group in Health Policy, UC Berkeley
2005-present Invited Member of Graduate Group in Epidemiology, UC Berkeley
2005-present Faculty Affiliate, Center for Global Public Health (CGPH), UC Berkeley
2015-2016 Faculty Board Member, Berkeley Food Institute, UC Berkeley
2014-2015 Dean's Advisory Council, School of Public Health
2011-2014 Appointed Member, UC-wide "One Health: Water, Animals, Food and Society"
2013-2014 Appointed Faculty Lead, Strategic Planning Process, School of Public Health
2013-2015 Faculty Board Member, Sustainable Food Systems Institute, UC Berkeley
2010-2011 Member, Curriculum Review Task Force, School of Public Health
2009-2012 Director, Public Health Nutrition Program, School of Public Health
2009-2013 Appointed Member, UC Berkeley Committee for Student Conduct and Standards
2008-2014 Member, Academic Personnel Committee, School of Public Health
2008-2014 Member, MPH Management Committee, School of Public Health
2005-2009 Steering committee, Im/Migration and Health interest group, UC Berkeley
2005-2009 Steering Committee, Behavioral Economic Epidemiology group, UC Berkeley

Ad-hoc reviewer

Acta Paediatrica, Archives of Disease in Childhood, American Economic Review, American Journal of Public Health, Annals of Epidemiology, BMC Public Health, British Medical Journal, Child Development Perspectives, Demography, Economics and Human Biology, European Journal of Clinical Nutrition, Health Policy and Planning, Infant Behavior and Development, International Journal of Epidemiology, International Journal of Obesity, Journal of American Medical Association (JAMA), Journal of Affective Disorders, Journal of African Economies, Journal of the American Dietetic Association, Journal of Development Studies, Journal of Epidemiology and Community Health, Journal of Health Care for the Poor and Underserved, Journal of Nutrition, Journal of Pediatrics, Journal of Women's Health, The Lancet, Lancet Global Health, Lancet Child and Adolescent Health, Nature, Nature Communications, Pediatrics, Pediatric and Perinatal Epidemiology, Preventing Chronic Disease, Proceedings of the National Academy of Sciences, Psychoneuroendocrinology, Public Health, Public Health Nutrition, Science, Social Science and Medicine

Membership in professional organizations

American Public Health Association, American Society of Nutritional Sciences, Consortium of Universities of Global Health, Fulbright Association, Global Health Council, New York Academy of Sciences, Society for International Nutrition Research, Society for Research in Child Development

Research and creative activities

Peer-reviewed publications (152 total)

1. **Fernald, L.C.**, Ani, C. and Grantham-McGregor, S.M. (1997). Does school breakfast improve performance? *Africa Health*. 19 (6): 19-20.
2. Grantham-McGregor, S.M. and **Fernald, L.C.** (1997). Nutritional deficiencies and subsequent effects on mental and behavioural development in children. *Southeast Asian Journal of Tropical Medicine and Public Health* 28 Suppl 2: 50-68
3. **Fernald, L.C.** and Meeks-Gardner, J. (1997). Aggressive behaviour in children and adolescents: Part 1: A review of the effects of child and family characteristics. *West Indian Medical Journal* 46 (4): 104-106.
4. **Fernald, L.C.**, Ani, C. and Meeks-Gardner, J. (1997). Aggressive behaviour in children and adolescents: Part 2: A review of the effects of environmental characteristics. *West Indian Medical Journal*, 46 (4): 100-103.
5. **Fernald, L.C.** and Grantham-McGregor, S.M. (1998). Stress response in school-age children who have been growth retarded since early childhood. *American Journal of Clinical Nutrition*, 68 (3): 691-698.
6. Grantham-McGregor, S.M. and **Fernald, L.C.** (1999). Effects of health and nutrition on cognitive and behavioural development in children in the first three years of life. Part 1: Small for gestational age, breastfeeding and protein-energy malnutrition. *Food and Nutrition Bulletin* 20: 53-75.
7. Grantham-McGregor, S.M.; **Fernald, L.C.**; Sethuraman, K. (1999). Effects of health and nutrition on cognitive and behavioural development in children in the first three years of life. Part 2: Infections and micronutrient deficiencies: iodine, iron and zinc. *Food and Nutrition Bulletin*. 20: 76-99.
8. **Fernald, L.C.** and Grantham-McGregor (2002). Growth retardation is associated with changes in the stress response system and behavior in school-aged Jamaican children. *Journal of Nutrition* 132 (12): 3674-3679.
9. **Fernald, L.C.**, Grantham-McGregor, S.M., Costello, A.D.L., and Manandhar, D. Salivary cortisol and heart rate in stunted and nonstunted Nepalese school children. *European Journal of Clinical Nutrition*. 57(11):1458-1465 (2003).

10. **Fernald, L.C.** and Meeks-Gardner, J. Jamaican children's reports of violence at school and home. *Social and Economic Studies*. 52(4): 121-140 (2003).
11. **Fernald, L.C.**, Gutierrez, J-P, Neufeld, L., Bertozzi, S.M., Olaiz, G. and Gertler, P.J. High prevalence of obesity among the poor in Mexico. *Journal of the American Medical Association*. 291(21): 2544-5 (2004).
12. Burke, H., **Fernald, L.C.**, Gertler, P.J., and Adler, N.E. Depressive symptoms are associated with blunted cortisol stress responses in very low income women. *Psychosomatic Medicine*. Mar-Apr; 67(2):211-6 (2005).
13. **Fernald, L.C.**, Neufeld, L.N., Barton, L., Schnaas, L., Rivera, J. and Gertler, P.J. Parallel deficits in linear growth and mental development in low-income Mexican infants in the second year of life. *Public Health Nutrition*. 9(2): 178-86 (2006).
14. **Fernald, L.C.** and Neufeld, L.N. Overweight with concurrent stunting in very young children from rural Mexico: prevalence and associated factors. *European Journal of Clinical Nutrition* 61(5): 623-32 (2007).
15. **Fernald, L.C.H.** Socio-economic status and body mass index in low-income Mexican adults. *Social Science and Medicine* 64 (10): 2030-2042 (2007).
16. **Fernald, L.C.H.**, Burke, H.M., and Gunnar, M.R. Salivary cortisol levels in children of low-income women with high depressive symptomatology. *Development and Psychopathology* 20: 423-436 (2008)
17. Fleischer, N.L., **Fernald, L.C.H.** and Hubbard, A.E. Depressive symptoms in low-income women in rural Mexico. *Epidemiology* 18(6): 678-685 (2007).
18. Jones-Smith, J.C., **Fernald, L.C.H.** and Neufeld, L.M. Birth size and accelerated growth during infancy are associated with increased odds of childhood overweight in Mexican children. *Journal of the American Dietetic Association* 107(12):2061-2069 (2007).
19. Neufeld, L.M., Jones-Smith, J.C., Garcia, R. and **Fernald, L.C.H.** Anthropometric predictors for the risk of chronic disease in non-diabetic, non-hypertensive young Mexican women. *Public Health Nutrition* 11: 159-167 (2008).
20. **Fernald, L.C.H.**, Gertler, P.J. and Neufeld, L.M. Role of cash in conditional cash transfer programmes for child health, growth and development: An analysis of Mexico's *Oportunidades*. *The Lancet* 371: 828-837 (2008).
21. Neufeld, L.M., Hernández-Cordero, S., **Fernald, L.C.H.** and Ramashkrishnan, U. Overweight and obesity doubled over a 6-year period in young women living in poverty in Mexico. *Obesity (Silver Spring)*. Mar;16(3):714-7 (2008).

22. **Fernald, L.C.H.** and Adler, N.E. Blood pressure and socio-economic status in low-income women in Mexico: a reverse gradient? *Journal of Epidemiology and Community Health* 62: e8 (2008).
23. Hamad, R., **Fernald, L.C.H.**, Karlan, D.S., and Zinman, J. Social and economic correlates of depressive symptoms and perceived stress in South African adults. *Journal of Epidemiology and Community Health* 62(6):538-44 (2008).
24. **Fernald, L.C.H.**, Hou, X. and Gertler, P.J. *Oportunidades* program participation and body mass index, blood pressure and self-reported health in Mexican adults. *Preventing Chronic Disease* Jul 5(3): A81 (2008).
25. **Fernald L.C.H.**, Jones-Smith, J.M., Ozer, E.J., Neufeld, L.M. and DiGirolamo, A.M. Maternal depressive symptoms and physical activity in very low-income children. *Journal of Developmental and Behavioral Pediatrics* 29(5):385-93 (2008).
26. Ozer, E.J., **Fernald, L.C.H.** and Roberts, S. Anxiety symptoms in rural Mexican adolescents: A social-ecological analysis. *Social Psychiatry and Psychiatric Epidemiology* 43(12): 1014-23 (2008).
27. **Fernald, L.C.H.**, Gertler, P.J. and Hou, X. Cash component of conditional cash transfer program is associated with higher body mass index and blood pressure in adults. *Journal of Nutrition* 138(11):2250-7 (2008).
28. Ozer, E.J. and **Fernald, L.C.H.** Alcohol and tobacco use among rural Mexican adolescents: individual, familial, and community level factors. *Journal of Adolescent Health* 43(5):498-505 (2008).
29. **Fernald, L.C.H.**, Hamad, R., Karlan, D., Ozer, E. and Zinman, J. Small individual loans and mental health: a randomized controlled trial among South African adults. *BioMed Central Public Health* 8(1): 409(2008).
30. Ozer, E.J., **Fernald, L.C.H.**, Manley, J. and Gertler, P.J. Effects of a conditional cash transfer program on children's behavior problems. *Pediatrics* 123:e630-637 (2009).
31. Ritterman, M.L., **Fernald, L.C.**, Ozer, E.J., Adler, N.E., Gutierrez, J.P. and Syme, S.L. Objective and subjective social class gradients for substance use among Mexican adolescents. *Social Science and Medicine* 68(10): 1843-1851 (2009).
32. **Fernald, L.C.H.** and Gunnar, M.R. Effects of a poverty alleviation intervention on salivary cortisol in very low-income children. *Social Science and Medicine* Jun 68(12):2180-9 (2009).
33. **Fernald, L.C.H.** Perception of body weight: A critical factor in understanding obesity in middle-income countries. *Journal of Women's Health* Aug;18(8):1121-2 (2009).

34. Rosas, L.G., Harley, K., **Fernald, L.C.H.**, Guendelman, S., Mejia, F., Neufeld, L. and Eskenazi, B. Dietary associations of household food insecurity among children of Mexican descent: Results of a bi-national study. *Journal of the American Dietetic Association* 109(12): 2001-9 (2009).
35. **Fernald, L.C.H.**, Gertler, P.J., and Neufeld, L.M. Ten-year impact of *Oportunidades* – Mexico’s conditional cash transfer program – on child growth, cognition, language and behavior. *The Lancet* 374(9706): 1997-2005 (2009).
36. Rosas, L.G., Harley, K.G., Guendelman, S., **Fernald, L.C.H.**, Mejia, F. and Eskenazi, B. Maternal perceptions of child weight among Mexicans in California and Mexico. *Maternal and Child Health Journal* (2010) Nov; 14(6):886-94.
37. Fleischer, N.E., **Fernald, L.C.H.**, and Hubbard, A. Estimating the potential impacts of intervention from observational data: methods for estimating attributable risk in a cross-sectional analysis of depressive symptoms in Latin America. *Journal of Epidemiology and Community Health* (2010) Jan; 64(1):16-21
38. Guendelman, S., **Fernald, L.C.H.**, Neufeld, L.M. and Fuentes-Afflick, E. Maternal perceptions of early childhood ideal body weight differ among Mexican-origin mothers residing in Mexico compared to California. *Journal of the American Dietetic Association* (2010) Feb;110(2):222-9.
39. **Fernald, L.C.**, Gertler, P.J., and Neufeld, L.M. Mexico’s conditional cash transfer programme – Authors’ reply. *The Lancet* (2010) Vol. 375 (9719): 981.
40. Hamad, R. and **Fernald, L.C.H.** Microcredit participation and nutrition outcomes among women in Peru. *Journal of Epidemiology and Community Health* (2010) Jun;66(6):e1.
41. Rosas, L.G., Guendelman, S., Harley, K., **Fernald, L.C.H.**, Mejia, F., Neufeld, L. and Eskenazi, B. Factors Associated with Overweight and Obesity among Children of Mexican Descent: Results of a Binational Study. *Journal of Immigrant and Minority Health*. (2011) Feb; 13(1): 169-80.
42. Hamad, R., **Fernald, L.C.H.**, and Karlan, D. Health education for microcredit clients in Peru: A randomized controlled trial. *BMC Public Health* (2011) Jan 24; 11(1):51.
43. **Fernald, L.C.H.**, Weber, A., Galasso, E., and Ratsifandrihamanana, L. Socio-economic gradients and child development in a very low income population: Evidence from Madagascar. *Developmental Science*. (2011) Jul;14(4):832-47.
44. **Fernald, L.C.H.** and Hidrobo, M. Ecuador’s cash transfer program (*Bono de Desarrollo Humano*) and child development in infants and toddlers: A randomized effectiveness trial. *Social Science and Medicine* (2011) May;72(9):1437-46.
45. Ozer, E., **Fernald, L.C.H.**, Weber, A., Flynn, E., VanderWeele, T.J. Does alleviating poverty affect mothers’ depression? A quasi-experimental investigation of Mexico’s *Oportunidades* program. *International Journal of Epidemiology* (2011) Dec; 40(6): 1565-76.

46. Engle, P.L., **Fernald, L.C.H.**, Alderman, H., Behrman, J., O'Gara, C., Yousafzai, A., Cabral de Mello, M., Hidrobo, M., Ulkuer, N., Ertem, I. and Iltus, S. Strategies for improving developmental outcomes for young children in low and middle income countries. *The Lancet* (2011) Oct 8; 378(9799):1339-53.
47. Guendelman, S., Ritterman-Weintraub, M., **Fernald, L.C.H.** and Kaufer-Horwitz, M. Weight perceptions among overweight and obese women: A US-Mexico binational perspective. *Obesity* (2011) Dec; 19(12):2440-3.
48. Golden C.D., **Fernald, L.C.**, Brashares, J.S., Rasolofoniaina, B.J. and Kremen C. Benefits of wildlife consumption to child nutrition in a biodiversity hotspot. *Proceedings of the National Academy of Science (PNAS)* (2011) 108(49): 19653-6.
49. **Fernald, L.C.H.**, Kariger, P.K., Hidrobo, M., and Gertler, P.J. Socio-economic gradients in child development in very young children: Evidence from India, Indonesia, Peru and Senegal. *Proceedings of the National Academy of Science (PNAS)* (2012) Oct 16;109 Suppl 2:17273-80.
50. Jackson-Maldonado, D., Marchman, V.A. and **Fernald, L.C.H.** Short-form versions of the Spanish MacArthur-Bates Development Inventories. *Applied Psycholinguistics* (2012) Vol. 34(4): 837-868.
51. Hidrobo, M. and **Fernald, L.C.H.** Cash transfers and domestic violence. *Journal of Health Economics* (2013) Jan;32(1):304-19
52. Jones-Smith, J.C., Neufeld, L.M., Laraia, B., Ramakrishnan, U., Garcia-Guerra, A. and **Fernald, L.C.H.** Early life growth trajectories and future risk for overweight. *Nutrition and Diabetes* (2013) Feb 4;3:e60.
53. Guendelman, S., Ritterman-Weintraub, M., **Fernald, L.C.H.** and Kaufer-Horwitz, M. A. Weight Status of Mexican Immigrant Women: A comparison with women in Mexico and with United States (US)-born Mexican American women. *American Journal of Public Health* (2013) Sept; 103(9): 1634-40.
54. **Fernald, L.C.H.** Promise, and risks, of conditional cash transfer programs. *The Lancet.* (2013) July 382(9886):7-9.
55. Schott, W.B., Crookston, B.T., Lundeen, E.A., Stein, A.D., Behrman, J.R. and the **Young Lives Determinants and Consequences of Child Growth Project Team**. Periods of child growth up to age 8 years in Ethiopia, India, Peru and Vietnam: Key distal household and community factors. *Social Science and Medicine.* (2013) Nov; 97: 278-87.
56. Guendelman, S., Ritterman-Weintraub, M., **Fernald, L.C.H.** and Kaufer-Horwitz, M. A Population-Based Comparison of Weight Perceptions among Overweight and Obese Mexican and Mexican-American Men. *Salud Pública de México* (2013) 55 Suppl 4:s451-8.

57. Grantham-McGregor, S., **Fernald, L.C.H.**, Kagawa, R.C. and Walker, S. Systematic review on the effects of combining child development with nutrition or health interventions on children's nutritional status and development. *Annals of the NY Academy of Sciences*. (2014) Jan; 1308: 11-32.
58. Arnold, B.F., Null, C., Luby, S.P., Unicomb, L., Stewart, C.P., Dewey, K.G., Ahmed, T., Ashraf, S., Christensen, G., Clasen, T., Dentz, H.N., **Fernald, L.C.H.**, Haque, R., Hubbard, A. E., Kariger, P., Leontsini, E., Lin, A., Njenga, S.M., Pickering, A.J., Ram, P.K., Tofail, F., Winch, P., and Colford, J. M. Jr. Cluster-randomized controlled trials of individual and combined water, sanitation, hygiene, and nutritional interventions in rural Bangladesh and Kenya: The WASH Benefits Study design and rationale. *BMJ Open*. (2013) Aug 30; 30 (8): e003476.
59. Lin, J., Mejia-Rodriguez, F., Temple, L., Trujillo, C., Goldman-Rosas, L., **Fernald, L.C.H.**, and Young, S. Pica during pregnancy among Mexican-born women: a formative, qualitative study. *Maternal & Child Nutrition* (2014) May 1. doi: 10.1111/mcn.12120
60. Jones-Smith, J.C., Dieckmann, M., Gottlieb, L., Chow, J. and **Fernald, L.C.H.** Socioeconomic status and trajectory of overweight from birth to childhood: The Early Childhood Longitudinal Study-Birth Cohort. *PLoS ONE* (2014) Jun 20;9(6):e100181
61. Moseson, H., Hamad, R., and **Fernald, L.C.H.** Evaluating Health Outcomes Among Children of Microcredit Clients. *Journal of Epidemiology and Community Health* (2014) Dec; 68(12):1175-81.
62. Landefeld, J.C., Burmaster, K.B., Rehkopf, D.H., Syme, S.L., Lahiff, M., Adler-Milstein, S., **Fernald, L.C.H.** The association between a living wage on subjective social status and self-rated health: a quasi-experimental study in the Dominican Republic. *Social Science and Medicine* (2014) Nov; 121:91-7.
63. Humphries, D.L., Behrman, J.R., Crookston, B.T., Dearden, K.A., Schott, W., Penny M.E., **Young Lives Determinants and Consequences of Child Growth Project Team**. Households across all income quintiles, especially the poorest, increased animal source food expenditures substantially during recent Peruvian economic growth. *PLoS One* (2014) Nov 5;9(11):e110961.
64. Fiorella, K.J., Hickey, M.D., Salmen, C.R., Nagata, J.M., Mattah, B., Magerenge, R., Cohen, C.R., Bukusi, E.A., Brashares, J.S., **Fernald, L.C.H.** Fishing for food? Analyzing links between fishing livelihoods and food security around Lake Victoria. *Food Security* (2014) 6(6): 851-860.
65. Manley, J., **Fernald, L.C.H.**, and Gertler, P.J. Wealthy, healthy, and wise: does money compensate for being born into difficult conditions? *Applied Economics Letters* (2015) 22(12): 121-126.
66. Weber, A.M., **Fernald, L.C.H.**, Galasso, E. and Ratsifandrihamanana, L. Performance of a Receptive Language Test among Young Children in Madagascar. *PLoS One* (2015) Apr 1;10(4):e0121767

67. Ritterman Weintraub, M.L., **Fernald, L.C.H.**, Adler, N., Bertozzi, S. and Syme, L. Perceptions of Social Mobility: Development of a new psychosocial indicator associated with adolescent risk behaviors. *Frontiers in Public Health* (2015) 3(62) doi: 10.3389/fpubh.2015.00062. PMID: 25932460
68. Humphries, D., Dearden, K., Crookston, B., **Fernald, L.C.H.**, Stein, A.D., Galab, S., Woldehanna, T., Penny, M. and Behrman, J. Household food security at age five years is associated with concurrent but not future weight-for-age and height-for-age in Ethiopia, India, Peru, and Vietnam. *Journal of Nutrition* (2015) Aug; 145(8): 1924-33 PMID: 26084361
69. Behrman, J.R., Crookston, B., Dearden, K. Duc, L.T., **Fernald, L.C.H.**, Mani, S., Schott, W. and Stein, A. Intergenerational Transmission of Poverty and Inequality: Young Lives. *Economic Development and Cultural Change* (2015)
70. Hamad, R. and **Fernald, L.C.H.** Microcredit Participation and Women's Health: Results from a Cross-Sectional Study in Peru. *International Journal for Equity in Health* (2015) Aug 5; 14:62 PMID: 26242582
71. Fiorella, K.J., Camlin, C.S., Salmen, C.R., Omondi, R., Hickey, M., Omollo, D.O., Milner, E.M., Bukusi, E.A., **Fernald, L.C.H.**, Brashares, J.S. Declining Natural Resources and Women: The Case of Fish-for-Sex Relationships Around Lake Victoria *World Development* (2015) Oct 74: 323-332.
72. Burmaster, K., Landefeld, J., Rehkopf, D.H., Flynn, E., Hidrobo, M., Acevedo, M.C., and **Fernald L.C.H.** The impact of a private sector living wage intervention on household income, spending, savings, and debt among apparel workers: a quasi-experimental study. *BMJ Open* (2015) Aug 3; 5(8):e007336 PMID: 26238394
73. Andersen, C.T., Reynolds, S. A., Behrman, J.R., Crookston, B.T., Dearden, K.A., Escobal, J., Mani, S., Sánchez, A., Stein, A.D., and **Fernald, L.C.H.** Participation in the Juntos conditional cash transfer program in Peru is associated with improved anthropometry but not cognitive achievement among children. *Journal of Nutrition* (2015) Oct;145(10):2396-405.
74. Ritterman Weintraub, M.L., **Fernald, L.C.H.**, Goodman, E., Guendelman, S., and Adler, N. Obesity-related behaviors among poor adolescents and young adults: Is social position associated with risk behaviors? *Frontiers in Public Health* (2015) 3:244
75. Knauer, H., Kagawa, R.C., Garcia Guerra, A., Schnaas, L., Neufeld, L., and **Fernald, L.C.H.** Pathways to improved development for children living in poverty: A randomized effectiveness trial in rural Mexico. *International Journal of Behavioral Development* (2016)
76. Fiorella, K.J., Chen, R.L., Milner, E.M. and **Fernald, L.C.H.** Agricultural Interventions for Improved Nutrition: A Review of Livelihood and Environmental Dimensions. *Food Security* (2016)

77. **Fernald, L.C.H.**, Galasso, E., Qamruddin, J., Ranaivoson, C., Ratsifandrihamanana, L., Stewart, C., Weber, A. A cluster-randomized controlled trial of nutritional supplementation and promotion of responsive parenting in Madagascar: the MAHAY study design and rationale. *BMC Public Health* (2016) Jun 3;16:466
78. **Fernald, L.C.H.**, Kagawa, R.C., Knauer, H., Garcia Guerra, A., Schnaas, L., and Neufeld, L. Promoting child development through group-based parenting support within a cash transfer program: Experimental effects on children's outcomes. *Developmental Psychology* (2017). Feb;53(2):222-236
79. Andersen, C.T., Reynolds, S. A., Behrman, J.R., Crookston, B.T., Dearden, K.A., Escobal, J., Mani, S., Sánchez, A., Stein, A.D., and **Fernald, L.C.H.** Stunting in infancy is associated through adolescence with decreased overweight prevalence and increased reversion, but not incidence. *Journal of Nutrition* (2016). Nov;146(11):2296-2303.
80. Black, M.M., Walker, S.M., **Fernald, L.C.H.**, Grantham-McGregor, S.M., Andersen, C., DiGirolamo, A., Lu, C., McCoy, D.C., Fink, G., Devercelli, A., and Wodon, Q. Early Child Development Coming of Age: From Science To Practice. *The Lancet* (2017) Jan 7;389(10064):77-90
81. Britto, P.R., Lye, S., Proulx, K., Bhutta, Z., Matthews, S., Perez-Escamilla, R., Yousafzai, A., Rao, N., Ip, P., **Fernald, L.C.H.**, McMillan, H., Hanson, M., Wachs, T., Yao, H., Cerezo, A. Enrichment, Nurturing Care and Protection: What works in Early Childhood Development. *The Lancet* (2017) Jan 7;389(10064):91-102
82. Kagawa, R.C., **Fernald, L.C.H.**, Behrman, J.R. Weight status and behavioral problems among very young children in Chile. *Plos ONE* (2016) Sep 1;11(9):e0161380
83. Galasso, E., **Fernald, L.C.H.**, Weber, A.M. Dynamics of child development: Socio-economic gradients in a longitudinal cohort living in extreme poverty. *The World Bank Economic Review* (2017). January 9.
84. Dearden, K.A., Brennan, A.T., Behrman, J.R., Schott, W., Crookston, B.T., Humphries, D.L., Penny, M.E. and **Fernald, L.C.H.** Does Household Access to Improved Water and Sanitation in Infancy and Childhood Predict Better Vocabulary Test Performance in Ethiopian, Indian, Peruvian, and Vietnamese Cohort Studies? *PLoS ONE* (2017). Mar 7;7(3):e013201
85. Fiorella, K.J., Milner, E.M., Salmen, C.R., Hickey, M.D., Omollo, D.O., Odhiambo, A., Mattah, B., Bukusi, E., **Fernald, L.C.H.**, Brashares, J. Human Health Alters the Sustainability of Fishing Practices in East Africa. *Proceedings of the National Academy of Sciences* (2017). April 18; 114(16): 4171-4176.
86. Dearden KA, Schott W, Crookston BT, #Humphries DL, Penny ME, Behrman JR; Young Lives Determinants and Consequences of Child Growth Project Team. Children with access to improved sanitation but not improved water are at lower risk of stunting compared to

- children without access: a cohort study in Ethiopia, India, Peru, and Vietnam. *BMC Public Health*. (2017) Jan 23;17(1):110. doi: 10.1186/s12889-017-4033-1.
87. Kagawa, R.C., Deardorff, J., Dominguez Esponda, R., Craig, D., and **Fernald, L.C.H.** The Experience of Adolescent Motherhood in Rural Mexico: An Exploratory Mixed Methods Study. *Journal of Advanced Nursing* (2017). May 5. doi: 10.1111/jan.13329
 88. Cooper, J., Dow, W., de Walque, D., Keller, A., McCoy, S., **Fernald, L.C.H.**, Balampama, M.P., Kalolella, A., Packel, L., Wechsberg, W.M., and Ozer, E.J. Female Sex Workers use power over their day-to-day lives to meet the condition of a Conditional Cash Transfer intervention to incentivize safe sex. *Social Science and Medicine* (2017) May. 181: 148-157.
 89. Alderman, H. and **Fernald, L.C.H.** The Nexus of Nutrition and Early Child Development. *Annual Review of Nutrition*. (2017). May 31. 37 (1)
 90. Cooper, J., McCoy, S., **Fernald, L.C.H.**, de Walque, D., Dow, W. Women's relationship power modifies the effect of a conditional cash transfer intervention to reduce risky sex in Tanzania. *AIDS and Behavior* (2017) Aug 3.
 91. Reynolds, S., **Fernald, L.C.H.**, and Behrman, J.R. Mothers' labor market choices and child development outcomes in a Latin American context. *Social Science and Medicine – Population Health* (2017) Sept 18;3: 756-766.
 92. Fiorella, K., Milner, E., Bukusi, E., and **Fernald, L.C.H.** Quantity and species of fish consumed shapes breast milk fatty acid concentrations around Lake Victoria, Kenya. *Public Health Nutrition* (2017) Nov 27:1-8
 93. Kagawa, R.C., Knauer, H., Garcia Guerra, A., Schnaas, L., Neufeld, L., Deardorff, J. and **Fernald, L.C.H.** Effects of a Parenting Education Program among Adolescent and Young Adult Mothers: A Cluster-Randomized Controlled Trial." *Journal of Adolescent Health* (2017) Nov; 61(5): 634-641.
 94. Reynolds, S., Andersen, C., Behrman, J., , Krutikova, S., Singh, A. Stein, A.D., Benny, L., Crookston, B., Cueto, B., Dearden, K., Georgiadis, A. and **Fernald, L.C.H.** Disparities in children's vocabulary and height in relation to socioeconomic gradients: a longitudinal study in four low and middle income countries. *Social Science and Medicine – Population Health* (2017) Dec; 3: 767-786
 95. Golden, C. D., Anjaranirina, E. J. G., **Fernald, L. C. H.**, Hartl, D. L., Kremen, C., Ralalason, D. H., Ramihantaniarivo, H., Randriamady, H. J., Rice, B. L., Vaitla, B., Volkman, S. K., Vonona, M. A., and Myers, S. S. 2017. Cohort Profile: The Madagascar Health and Environmental Research (MAHERY) Study in Northeastern Madagascar. *International Journal of Epidemiology* (2017). Dec 1; 46(6): 1747-1748d.
 96. Lin, A., Arnold, B.F., Mertens, A.N., Lin, J., Benjamin-Chung, J., Ali, S., Hubbard, A. E., Stewart, C.P., Shoab, A.K., Rahman, M. Z., Hossen, M.S., Mutsuddi, P., Famida, S.L., Akther, S.,

- Rahman, M., Parvez, S.M., Unicomb, L., Dhabhar, F.S., Kariger, P.K., **Fernald, L.C.H.**, Colford, J.M., Luby, S. Effects of a water quality, sanitation, handwashing and nutritional intervention on telomere length among children in Bangladesh. *eLife* (2017) Oct 5; 6.
97. Milner, E., Fiorella, K., Mattah, B.J., Bukusi, E. and **Fernald, L.C.H.** Timing, intensity, and duration of household food insecurity is associated with early childhood development in Kenya *Maternal and Child Nutrition* (2017) Oct 23.
 98. Bundy, D.A.P., de Silva, N., Horton, S., Patton, G.C., Schultz, L., Jamison, D.T.; Disease Control Priorities-3 Child Adolescent Health and Development Authors Group. Investment in child and adolescent health and development: key messages from Disease Control Priorities, 3rd Edition. *Lancet*. (2017) Nov 16.
 99. Flynn, E., Chung, E., Ozer, E.J. and **Fernald, L.C.H.** Maternal depression and child behavior in Mexican women and their children. *International Journal of Environmental Research and Public Health* (2017) Dec 18; 14(12).
 100. Knauer, H.A., Ozer, E.J., Dow, W. and **Fernald L.C.H.** Responsive parenting practices in indigenous and non-indigenous Mexican communities. *International Journal of Environmental Research and Public Health* (2017) Dec 25; 15(1).
 101. Fuster, V., Fraser, J., Snair, M., Vedanthan, R., Dzau, V.; Committee on Global Health and the Future of the United States: A Report of the National Academies of Sciences, Engineering and Medicine. *J Am Coll Cardiol* (2017) Dec 26; 70(25): 3140-3156.
 102. Roy, A., Fuentes-Afflick, E., **Fernald, L.C.H.**, Young, S. Pica is prevalent and strongly associated with iron deficiency among Hispanic pregnant women living in the United States. *Appetite* (2018). Jan 1.
 103. Rehkopf, D.H., Burmaster K, Landefeld J, Adler-Milstein S, Flynn E, Acevedo MC, Jones-Smith J, Adler N, **Fernald L.C.H.** The impact of a private sector living wage intervention on cardiovascular disease risk factors in a middle income country. *BMC Public Health* (2018) Jan 25;18(1):179.
 104. Null, C., Stewart, C.P., Pickering, A.J., Dentz, H.N., Arnold, B.F., Arnold, C.D., Benjamin-Chung, J., Clasen, T., Dewey, K.G., **Fernald, L.C.H.**, Hubbard, A.E., Kariger, P., Lin, A., Luby, S.P., Mertens, A., Njenga, S.M., Nyambane, G., Ram, P.K., and Colford, J.M. Effects of water quality, sanitation, handwashing and nutritional interventions on diarrhoea and child growth in rural Kenya: A cluster randomized trial. *Lancet Global Health* (2018) Mar;6(3):e316-e329.
 105. Luby, S., Mahbubur Rahman; Benjamin F Arnold, PhD; Unicomb Leanne, PhD; Sania Ashraf, MPH; Peter J Winch, PM; Christine P Stewart, PhD; Farzana Begum, MPH; Faruque Hussain, MSS; Jade Benjamin-Chung; Elli Leontsini; Abu M Naser; Sarker M Parvez; Alan E Hubbard; Audrie Lin; Fosiul A Nizame; Kaniz Jannat; Ayse Ercumen; Pavani K Ram; Kishor K Das; Jaynal Abedin; Thomas F Clasen; Kathryn G Dewey; **Fernald, L.C.H.**, PhD; Clair Null;

- Tahmeed Ahmed; John M Colford. Effects of water quality, sanitation, handwashing and nutritional interventions on diarrhoea and child growth in rural Bangladesh: A cluster randomized trial. *Lancet Global Health* (2018) Mar;6(3):e302-e315.
106. Stewart, C.P., Kariger, P., **Fernald, L.C.H.**, Pickering, A.J., Arnold, C.D., Arnold, B.F., Hubbard, A.E., Dentz, H.N., Lin, A., Meerkerk, T.J., Milner, E., Swarthout, J., Colford, J.M., Null, C. Effects of water, sanitation, handwashing, and nutritional interventions on child development: a cluster-randomized controlled trial in rural Kenya. *Lancet Child and Adolescent Health* (2018) Apr;2(4):269-280.
 107. Tofail, F., **Fernald, L.C.H.**, Das, K.K., Rahman, M., Unicomb, L., Arnold, B.F., Ashraf, S., Winch, P.J., Kariger, P.K., Stewart, C.P., Colford, J.M., Luby, S.P. The effects of single and combined water, sanitation, hand washing and nutrition interventions on developmental outcomes of young children in rural Bangladesh. *Lancet Child and Adolescent Health* (2018) Apr;2(4):255-268.
 108. Reynolds, S., **Fernald, L.C.H.**, Deardorff, J. and Behrman, J. Family structure and child development: a longitudinal analysis of household transitions involving fathers and grandparents. *Demographic Research* (2018) 38: 1777-1814.
 109. Özler, B., **Fernald, L.C.H.**, Kariger, P., McConnell, C., Neuman, M. Combining pre-school teacher training with parenting education: A cluster-randomized controlled trial. *Journal of Development Economics* (2018) 133: 448-467.
 110. Kowalaski, A., Behrman, J., Crookston, B., **Fernald, L.C.H.**, Georgiadis, A., and Stein A. Linear growth through 12 years is weakly associated with language and math achievement scores at age 12 years in four low- or middle-income countries. *Journal of Nutrition* (2018) 1;148(11):1852-1859.
 111. Knauer, H.A., Ozer, E.J., Dow, W. and **Fernald L.C.H.** Parenting quality at two developmental periods in early childhood and their association with child development in Mexico. *Early Childhood Research Quarterly* (2019) 47: 396-404.
 112. Weber, A., **Fernald, L.C.H.**, Galasso, E. The perils of scaling up: Long term effects of a community nutrition program in Madagascar. *Maternal and Child Nutrition* (2019) Jan;15 Suppl 1:e12715
 113. Knauer, H., Jakiela, P., Ozier, O., Aboud, F. and **Fernald L.C.H.** Enhancing young children's language acquisition through dialogic reading and local-language storybooks: a randomized trial in rural Kenya. *Early Childhood Research Quarterly* (2019) Apr 30.
 114. Fiorella, K., Gavenus, E.R., Milner, E.M., Moore, M., Wilson-Anumudu, F., Adhiambo, F., Mattah, B., Bukusi, E. and **Fernald, L.C.H.** Evaluation of a social-network intervention on child feeding practices and caregiver knowledge. *Maternal and Child Nutrition* (2019) Jan 24: e12782.

115. Golden, C.D., Vaitla, B., Ravaoliny, L., Vonona, M.A., Anjaranirina, E.J.G., Randriamady, H.J., Glahn, R.P., Guth, S.E., **Fernald, L.C.H.**, Myers, S.S. Seasonal trends of nutrient intake in rainforest communities of north-eastern Madagascar. *Public Health Nutrition* (2019)
116. Knauer, H., Jakiela, P., Ozier, O., Kariger, P. and **Fernald L.C.H.** Multilingual Assessment of Early Childhood Development in Low- and Middle- Income Countries: Prediction and Measurement of School Readiness in Multilingual a Context. *Developmental Science* (2019)
117. Jain, A., **Fernald, L.C.H.**, Smith, K.R., Subramanian, S.V. Latrine ownership in rural India: exploring the possible social determinants. *Int J Environ Res Public Health* (2019) Feb 28;16(5).
118. Nimmagadda, S., Gopalkrishnan, L., Avula, R., Diamond-Smith, N., **Fernald, L.C.H.**, Jain, A., Mani, S., Menon, P., Nguyen, P. H., Park, H., Patil, S., Singh, P., and Walker, D. Effects of an mHealth intervention for community health workers on maternal and child nutrition and health service delivery in India: Study protocol for a quasi-experimental mixed methods evaluation *BMJ Open* (2019) Mar 27;9(3):e025774
119. Luoto, J.E., Lopez Garcia, I., Aboud, F., **Fernald, L.C.H.**, Singla, D. Testing Means to Scale Early Childhood Development Interventions in Rural Kenya: The Msingi Bora Study Design and Protocol *BMC Public Health* (2019) Mar 4;19(1):259.
120. Bajaj, S., Menon, P., Nguyen, P., Avula, R., Mani, S., Gopalakrishnan, L., Nimmagadda, S., Patil, S., **Fernald, L.C.H.**, and Walker, D. Use of situational vignettes helps assess the competence of Frontline Workers (FLW) in nutrition counseling programs. *Curr Dev Nutr* 2019, 13;3(Suppl 1)
121. Vieira, A., Machado, M., do Amaral Gubert, F., Pereira Morais, A.P., Paula Sampaio, Y., Saintrain, M., Cameron, D., Reynolds, S., Ram, T., and **Fernald, L.C.H.** What is the relative impact of Primary Health Care quality and Conditional Cash Transfer Program in child mortality?" *Canadian Journal of Public Health* (2019)
122. Galasso, E., Weber, A., Stewart, C. P., Ratsifandrihamanana, L. and **Fernald, L.C.H.** Impact of MAHAY trial on child growth and development outcomes: a cluster-randomized trial. *Lancet Global Health* (2019).
123. Chung, E.O., Omollo, D.O., Mattah, B., Hickey, M.D., Salmen, C.R., Milner, E.M., Bukusi, E. Brashares, J.S., Young, S.L., **Fernald, L.C.H.**, Fiorella, K. Characteristics of Pica Behaviors Among Women in Western Kenya. *Int J Env Res Publ Health* (2019).
124. Sania, A., Sudfeld, C., Goodarz Danaei, Günther Fink, Dana Charles McCoy, Zhaozhong Zhu, Mehmet Akman, Shams Arifeen, Maureen Black, Alemtsehay Bogale, Joseph Braun, Nynke van den Broek, Paulita Duazo, Christopher Duggan, **Lia C. H. Fernald**, Melissa Gladstone, Jena Hamadani, Alexis Handal, Sioban Harlow, Christopher Kuzawa, Ingrid Kvestad, Lindsey Locks, Karim Manji, Honorati Masanja, Alicia Matijasevich, Christine McDonald, Rose McGready, Darsi Santos, Leticia Santos, Dilsad Save, Roger Shapiro, Barbara Stoecker, Tor Strand, Sunita Taneja, Martha-Maria Tellez-Rojo, Fahmida Tofail, Ilona Verena, Aisha Yousafzai, Majid Ezzati,

- Wafaie Fawzi. Early life factors of motor, cognitive, and language development: a pooled analysis of prospective cohorts. *BMJ Open* (2019)
125. Vieira, A., Machado, M., do Amaral Gubert, F., Pereira Morais, A.P., Paula Sampaio, Y., Saintrain, M., Cameron, D., Reynolds, S., Ram, T., and **Fernald, L.C.H.** Heterogeneity in primary health care services after implementation of quality improvement policy in Brazil. *Family Practice* (2019)
 126. **Fernald, L.C.H.** and Gosliner, W. Alternatives to SNAP: Global approaches to addressing childhood poverty and food insecurity. *American Journal of Public Health* (2019).
 127. **Fernald, L.C.H.** and Pitchik, H.O. Necessity of using direct measures of child development. *Lancet Global Health* (2019).
 128. Chung, E.O., **Fernald, L.C.H.**, Galasso, E., Ratsifandrihamanana, and Weber, A.M. Caregiver perceptions of child development in rural Madagascar: a cross-sectional study. *BMC Public Health*. (2019)
 129. Weber, A.M., Rubio-Codina, M., Walker, S.P., van Buuren, S., Eekhout, I., Grantham-McGregor, S.M., Araujo, M.C., Chang, S.M., **Fernald, L.C.H.**, Hamadani, J.D., Hanlon, C., Karam, S.M., Lozoff, B.M., Ratsifandrihamanana, Richter, L., Black, M.M. The D-score: a metric for interpreting the early development of infants and toddlers across global settings. *BMJ Global Health*. (2019)
 130. Stewart, C. P., **Fernald, L.C.H.**, Arnold, C., Weber, A., and Galasso, E. Impact of lipid-based supplementation on child anemia and micronutrient status in Madagascar: a multi-arm cluster randomized controlled trial *J Nutrition* (2020)
 131. Gopalakrishnan, L., Buback, L., Walker, D., **Fernald, L.C.H.**, and Diamond-Smith, N. Using mHealth to improve health care delivery in India: A qualitative examination of the perspectives of community health workers and beneficiaries. *PLoS ONE* (2020)
 132. Milner, E.M., Kariger, P., Pickering, A.J., Stewart, C.P., Byrd, K., Lin, A., Rao, G., Achando, B., Dentz, H.N., Null, C., **Fernald, L.C.H.** Association between malaria infection and early childhood development mediated by anemia in rural Kenya. *Int J Environ Res Public Health* Feb 2;17(3):902 (2020)
 133. Avula, R., Menon, P., Bajaj, S., Mani, S., George, N., Gopalakrishnan, L., Patil, S., Nimmagadda, S., Diamond-Smith, N., **Fernald, L.C.H.**, and Walker, D. Factors influencing roll-out of an m-health intervention in India: results from a dynamic and responsive process evaluation. *Current Developments in Nutrition*, Volume 4, Issue Supplement_2 (2020).
 134. Avula, R., Menon, P., Bajaj, S., Saxena, M., Deshpande, S., Gopalakrishnan, L., Patil, S., Nimmagadda, S., Diamond-Smith, N., **Fernald, L.C.H.**, and Walker, D. M-health intervention has the potential to alleviate constraints in using administrative data systems for improving

- service delivery in India. *Current Developments in Nutrition*, Volume 4, Issue Supplement_2, (2020).
135. Patil, S., Nimmagadda, S. Gopalakrishnan, L, Avula, R., Bajaj, S., Diamond-Smith, N., **Fernald, L.**, Menon, P., Walker, D. Mobile technology integrated into a large-scale nutrition program enables age-appropriate home visits and counseling for mothers of infants in India. *Current Developments in Nutrition*, Volume 4, Issue Supplement_2 (2020).
 136. Pitchik, H., Chung, E., and **Fernald, L.C.H.** Cross-cultural research on child development and maternal mental health in low- and middle-income countries. *Current Opinion in Behavioral Sciences*. Dec;36:90-97 (2020).
 137. Akter, F., Rahman, M., Pitchik, H.O., Winch, P.J., **Fernald, L.C.H.**, Huda, T., Jahir, T., Amin, R., Das, J., Hossain, K., Shoab, A.K., Khan, R., Yeasmin, F., Sultana, J., Luby, S.P., Tofail, F. Adaptation and integration of psychosocial stimulation, maternal mental health, and nutritional interventions for pregnant and lactating women in rural Bangladesh. *Int J Environ Res Public Health* Aug 27;17(17):6233 (2020)
 138. Yeasmin, F., Winch, P., Hwang, S., Leontsini, E., Jahir, T., Das, J., Amin, M., Hossain, M., Huda, T., Akter, F., Shoab, A., Tofail, F., Mridha, M., Sultana, J., Pitchik, H., **Fernald, L.C.H.**, Luby, S., Rahman, M. Exploration of attendance, active participation, and behavior change in a group-based maternal and child health, nutrition, and child stimulation intervention 2021 Jan 18:tpmd200991 (2021)
 139. Luoto, J.E., Lopez Garcia, I., Aboud, F.E., Singla, D.R., **Fernald, L.C.H.**, Pitchik, H.O., Saya, U. Group-based parenting interventions to promote child development in rural Kenya: a randomized effectiveness trial. *Lancet Global Health* Mar;9(3):e309-e319 (2021)
 140. Jain, A., Walker, D.M., Avula, R., Diamond-Smith, N., Gopalakrishnan, L., Menon, P., Nimmagadda, S., Patil, S.R., and **Fernald L.C.H.** Anganwadi worker time use in Madhya Pradesh, India: a cross-sectional study. *BMC Health Serv Res*. Dec 7;20(1):1130 (2020)
 141. Pitchik, H.O., Tofail, F., Akter, F., Sultana, J., Shoab, A.K., Huda, T. M., Rahman, M. Jahir, T., Amin, M. R., Hossain, M.K., Das, J.B., Chung, E., Byrd, K.A., Yeasmin, F., Forsyth, J.E., Mridha, M.K., Stewart, C.P., Winch, P.J., Luby, S.P., **Fernald, L.C.H.** A holistic approach to promoting early child development: a cluster randomized trial of a group-based, multicomponent intervention in rural Bangladesh. *BMJ Global Health* (2021)
 142. Nguyen, T., Sokal-Gutierrez, K., Lahiff, M., **Fernald, L.C.H.**, and Ivey, S.L. Early childhood factors associated with obesity age 8 in Vietnamese children: The Young Lives Cohort Study. *BMC Public Health* Feb 5;21(1):301 (2021)
 143. Esaryk, E.E., Reynolds, S.A., **Fernald, L.C.H.**, Jones, A.D. Associations of agricultural biodiversity and child diet diversity are strongest among poor subsistence-oriented households in Ethiopia and Vietnam *Public Health Nutrition* (in press)

144. Pitchik, H., Tofail, F., Akter, F., Sultana, J., Shoab, A.K., Huda, T.M.N., Forsyth, J.E., Kaushal, N., Amin, M. R., Jahir, T., Yeasmin, F., Khan, R., Das, J.B., Hossain, K., Hasan, M.R., Rahman, M., Winch, P.J., Luby, S.P., and **Fernald, L.C.H.** Effects of the COVID-19 pandemic on maternal mental health and the child caregiving environment on families in rural Bangladesh. *Child Development* (2021)
145. Jahir, T., Winch, P.J., Leontsini, E., Hwang, S., Yeasmin, F., Hossain, K., Das, K.B., Ruhul Amin, Tarique Mohammad Nurul Huda, Jesmin Sultana, Rizwana Khan, Fahmida Akter, Abul Kasham Shoab, Rezaul Hasan, Helen O. Pitchik, Fahmida Tofail, **Lia C.H. Fernald**, Stephen P Luby, Mahbubur Rahman Success Factors for Community Health Workers in Implementing an Integrated Group-Based Child Development Intervention in Rural Bangladesh. *Int J Environ Res Public Health* (2021).
146. Lopez Garcia, I., **Fernald, L.C.H.**, Aboud, F.E., Otieno, R., Alu, E., Luoto, J.E. Early childhood development (ECD); parenting intervention; rural western Kenya; father involvement; pathways of influence (in revision)
147. Lin, A., Arnold, B.F., Mertens, A.N., Lin, J., Benjamin-Chung, J., Ali, S., Hubbard, A. E., Stewart, C.P., Shoab, A.K., Rahman, M. Z., Hossen, M.S., Mutsuddi, P., Famida, S.L., Akther, S., Rahman, M., Parvez, S.M., Unicomb, L., Dhabhar, F.S., Kariger, P.K., **Fernald, L.C.H.**, Luby, S., Colford, J.M. Telomere length is associated with growth in children in rural Bangladesh. *eLife* (in press)
148. Lin, A., Mertens, A.N., Tan, S., Rahman, M.Z., Hester, L., Kim, L., Arnold, BF. Karim, M.R., Shahriar, S. Ali, S., Shoab, A.K., Hossen, M.S., Mutsuddi, P., Famida, S.L., Akther, S., Rahman, M., Unicomb, L., Butzin-Dozier, Z., Hemlock, C., Hubbard, A.E., Stewart, C.P., **Fernald, L.C.H.**, Colford Jr., J.M., Luby, S.P., and Dhabhar, F.S. Effects of drinking water, sanitation, handwashing, and nutritional interventions on immune status in young children: a cluster-randomized controlled trial in rural Bangladesh. (in revision)
149. Avula, R., Bajaj, S., Mani, S., Gopalakrishnan, L., Diamond-Smith, N., Patil, S., Nimmagadda, S., George, N., **Fernald, L.C.H.**, Walker, D., and Menon, P. It's not just a phone: Multiple factors affect the integration and use of a technology intervention in a large-scale nutrition program. *Global Health: Science and Practice*. (in press)
150. Prado, E.L., Arnold, C.D., Wessels, K.R., Stewart, C.P., Abbeddou, S., Adu-Afarwuah, S., Arnold, B., Ashorn, P. Ashorn, U., Becquey, E, ... **Fernald, L.C.H.**... and Dewey, K. Small-quantity lipid-based nutrient supplements for children age 6-24 months: a systematic review and individual participant data meta-analysis of effects on developmental outcomes and effect modifiers. *American Journal of Clinical Nutrition*. (in press)
151. Wessels, K.R., Arnold, C.D., Stewart, C.P., Prado, E.L., Abbeddou, S., Adu-Afarwuah, S. Arnold, B.,**Fernald, L.C.H.**, ...and Dewey, K. Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child anemia and micronutrient status: an individual

- participant data meta-analysis of randomized controlled trials. *American Journal of Clinical Nutrition*. (in press)
152. Dewey, K., Wessells, K.R., Arnold, C.D., Prado, E.L., Abbeddou, S., Adu-Afarwuah, S. Arnold, B.,**Fernald, L.C.H.**, ...and Stewart, C.P. Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child growth: an individual participant data meta-analysis of randomized controlled trials. *American Journal of Clinical Nutrition*. (in press)
 153. Diamond-Smith, Gopalakrishnan, L., Patil, S., **Fernald, L.C.H.**, Menon, P., Walker, D. and El Ayadi, A. Temporary childbirth migration: the ignored gap in the continuum of care in India (in press)

Book chapters and other peer-reviewed work (16 total)

1. Grantham-McGregor, S.M. and **Fernald, L.C.** (1996). A synthesis of findings from a study of severely malnourished Jamaican children: their behaviour, cognitive development, and long term response to psycho-social intervention. In Pollitt, E. (Ed.), *Intervention studies of malnourished children in Latin America*. Pan American Health Organization, Washington D.C.
2. **Fernald, L.C.** (1997). Iodine deficiency and mental development in children. In Grantham-McGregor, S.M. (Ed.), *Nutrition, Health, and Child Development: Research Advances and Policy Implications*. Pan American Health Organization, Washington D.C. 234-255.
3. Grantham-McGregor, S.M. and **Fernald, L.C.** (1998). Stunting and mental development. Paper prepared for ACC/SCN's Commission on the Nutritional Challenges of the 21st Century.
4. Grantham-McGregor, S.M., Ani, C. and **Fernald, L.C.** (2001). The role of nutrition in intellectual development. In R. Sternberg and E. Grigorenko (Eds.), *Environmental Effects on Cognitive Abilities*, Cambridge: Lawrence Erlbaum Associates. (ISBN: 0-8058-3183-5)
5. Opuni, M., Bertozzi, S., **Fernald, L.C.**, Gutierrez, J.P., DeMaria, L., Noriega, S. and Morrison, K. (2002). Randomized trials of HIV prevention interventions in developing countries. *State of the Art: AIDS and Economics*, Chapter 10, pages 75-83. International AIDS and Economics Association and UNAIDS.
6. **Fernald, L.C.**, Olaiz, G.O. and Gertler, P.J. (2005). The Medium Term impact of *Oportunidades* on Obesity and Chronic Disease in Rural Areas. Cuernavaca (México): Instituto Nacional de Salud Pública.
7. Gertler, P.J. and **Fernald, L.C.** (2005). The Medium term impact of *Oportunidades* on Child Development in Rural Areas. Cuernavaca (México): Instituto Nacional de Salud Pública.
8. **Fernald, L.C.** (2005). Obesity and Chronic Disease in the Developing World. Washington DC: World Bank Background Paper.

9. **Fernald, L.C.**, Raikes, H.A., and Dean, R. (2006) Summary of Child Development Assessments and Applications to Evaluations in the Developing World. Washington DC: World Bank Background Paper.
10. Weber, A. Ratsifandrihamanana, L., **Fernald, L.C.H.**, Ranaivo, V. (2008) Summary of Child Development Results from 2007 Madagascar Survey.
11. Behrman, J.R., **Fernald, L.C.**, Gertler, P.J., Neufeld, L.M. and Parker, S. (2008) Longer-run effects after almost a decade on child development, education and nutrition of exposure of infants and toddlers to *Oportunidades* since program start. Cuernavaca (México): Instituto Nacional de Salud Pública.
12. **Fernald, L.C.H.**, Gertler P.J., and Hidrobo, M. (2012) “Conditional cash transfer programs: effects on growth, health and development in young children.” The Oxford Handbook on Poverty and Child Development. Oxford: Oxford University Press. Valerie Malholmes and Rosalind King, Editors. pp. 569-600
13. Behrman, J.R., Engle, P. and **Fernald, L.C.H.** (2013) “Preschool programs in Developing Countries.” Chicago: University of Chicago Press. Education Policy in Developing Countries: What do we know, and what should we do to understand what we don’t know? Paul Glewwe, Ed. pp. 65-106.
14. Alderman, H., Behrman, J.R., Glewwe, P., **Fernald, L.C.H.**, and Walker, S. **Chapter 4: Physical Growth and Child Development.** In: Bundy DAP, Silva Nd, Horton S, Jamison DT, Patton GC, editors. Child and Adolescent Health and Development. 3rd edition. Washington (DC): The International Bank for Reconstruction and Development / The World Bank; (2017) Nov 20. Chapter 7.
15. De Walque, D., **Fernald, L.C.H.**, Hidrobo, M., and Gertler, P. Cash transfers and Child and Adolescent Development. In: Bundy DAP, Silva Nd, Horton S, Jamison DT, Patton GC, editors. Child and Adolescent Health and Development. 3rd edition. Washington (DC): The International Bank for Reconstruction and Development / The World Bank; (2017) Nov 20. Chapter 23. <http://dcp-3.org/chapter/2472/cash-transfers-and-child-and-adolescent-development>
16. Spencer, G.J., Hidrobo, M., de Walque, D., Gertler, P. and **Fernald, L.C.H.** A Deeper Look: cash transfer programs. Public Health Nutrition: Essentials for Practitioners. Johns Hopkins Press (2020).

Books (3 total)

1. **Fernald, L.C.H.**, Prado, E., Kariger, P., and Raikes, A. A Toolkit for Measuring Early Childhood Development (2017). Washington D.C.: The World Bank. Available at: <https://openknowledge.worldbank.org/bitstream/handle/10986/29000/WB-SIEF-ECD-MEASUREMENT-TOOLKIT.pdf?sequence=1&isAllowed=y>

2. **Fernald, L.C.H.**, Kariger, P.K., Engle, P. and Raikes, A. Examining child development in low-income countries: a toolkit for the assessment of children in the first five years of life. Washington D.C.: The World Bank (2009). Available at:
http://siteresources.worldbank.org/INTCY/Resources/395766-1187899515414/Examining_ECD_Toolkit_FULL.pdf
3. Frazer, J., Fuster, V., Abbam, G., Batson, A., Burkle, F., Chin, L., Ferguson, S., **Fernald, L.C.H.**, Lamptey, P., Laxminarayan, R., Merson, M., Narasimhan, V., Osterolm, Puyana, J. Global Health and the Future Role of the United States. Available at :
<http://nationalacademies.org/hmd/Activities/Global/GlobalHealthFutureofUS.aspx>