



Published manuscripts

2011

Adu-Afarwuah S, Lartey A, Zeilani M, Dewey KG. [Acceptability of lipid-based nutrient supplements \(LNS\) among Ghanaian infants and pregnant or lactating women.](#) Matern Child Nutr. 2011 Oct; 7(4):344-56.

Hess SY, Bado L, Aaron GJ, Ouédraogo JB, Zeilani M, Brown KH. [Acceptability of zinc-fortified, lipid-based nutrient supplements \(LNS\) prepared for young children in Burkina Faso.](#) Matern Child Nutr. 2011 Oct; 7(4):357-67.

Phuka J, Ashorn U, Ashorn P, Zeilani M, Cheung YB, Dewey KG, Manary M, Maleta K. [Acceptability of three novel lipid-based nutrient supplements among Malawian infants and their caregivers.](#) Matern Child Nutr. 2011 Oct; 7(4): 368-77.

2012

Dewey KG and Arimond M. [Lipid-based nutrient supplements: How can they combat child malnutrition?](#) PLoS Med 2012 Sep;9(9):e1001314.

2013

Dewey KG. [The challenge of meeting nutrient needs of infants and young children during the period of complementary feeding: an evolutionary perspective.](#) J Nutr. 2013 Dec;143(12):2050-4.

Pulakka A, Cheung YB, Ashorn U, Penpraze V, Maleta K, Phuka JC, Ashorn P. [Feasibility and validity of the ActiGraph GT3X accelerometer in measuring physical activity of Malawian toddlers.](#) Acta Paediatr. 2013 Dec;102(12):1192-8.

2014

Gondwe A, Munthali AC, Ashorn P, Ashorn U. [Perceptions and experiences of community members on caring for preterm newborns in rural Mangochi, Malawi: a qualitative study.](#) BMC Pregnancy Childbirth. 2014 Dec 2;14:399.

Kumwenda C, Dewey KG, Hemsworth J, Ashorn P, Maleta K, Haskell MJ. [Lipid-based nutrient supplements do not decrease breast milk intake of Malawian infants.](#) Am J Clin Nutr. 2014 Mar;99(3):617-23.

Prado EL, Abubakar AA, Abbeddou S, Jimenez EY, Somé JW, Ouédraogo JB. [Extending the Developmental Milestones Checklist for use in a different context in Sub-Saharan Africa.](#) Acta Paediatr. 2014 Apr;103(4):447-54.

2015

Abbedou S, Hess SY, Yakes Jimenez E, Somé JW, Vosti SA, Guissou RM, Ouédraogo J, Brown KH. [Comparison of methods to assess adherence to small-quantity lipid-based nutrient supplements \(SQ-LNS\) and dispersible tablets among young Burkinabé children participating in a community-based intervention trial.](#) Matern Child Nutr. 2015 Dec;11 Suppl 4:90-104.

Adu-Afarwuah S, Lartey A, Okronipa H, Ashorn P, Zeilani Z, Peerson JM, Arimond M, Vosti S, Dewey KG. [Lipid-based nutrient supplement increases the birth size of infants of primiparous women in Ghana.](#) Am J Clin Nutr. 2015 Apr;101(4):835-46.

Arimond M, Zeilani M, Jungjohann S, Brown KH, Ashorn P, Allen LH, Dewey KG. [Considerations in developing lipid-based nutrient supplements for prevention of undernutrition: experience from the International Lipid-Based Nutrient Supplements \(iLiNS\) Project.](#) Matern Child Nutr. 2015 Dec;11 Suppl 4:31-61.

Ashorn P, Alho L, Ashorn U, Cheung YB, Dewey KG, Gondwe A, Harjunmaa U, Lartey A, Phiri N, Phiri TE, Vosti SA, Zeilani M, Maleta K. [Supplementation of maternal diets during pregnancy and for 6 months postpartum and infant diets thereafter with small-quantity lipid-based nutrient supplements does not promote child growth by 18 months of age in rural Malawi: A randomized controlled trial. \(abstract\).](#) J Nutr. 2015 Jun;145(6):1345-53.

Ashorn P, Alho L, Ashorn U, Cheung YB, Dewey KG, Harjunmaa U, Lartey A, Nkhoma M, Phiri N, Phuka J, Vosti SA, Zeilani M, Maleta K. [The impact of lipid-based nutrient supplement provision to pregnant women on newborn size in rural Malawi: a randomized controlled trial.](#) Am J Clin Nutr. 2015 Feb;101(2):387-97.

Ashorn U, Alho L, Arimond M, Dewey KG, Maleta K, Phiri N, Phuka J, Vosti SA, Zeilani M, Ashorn P. [Malawian mothers consider lipid-based nutrient supplements acceptable for children throughout a 1-year intervention, but deviation from user recommendations is common.](#) J Nutr. 2015 Jul;145(7):1588-1595.

Chandrasiri UP, Fowkes FJI, Richards JS, Langer C, Fan YM, Taylor SM, Beeson JG, Dewey KG, Maleta K, Ashorn P, Rogerson SJ. [The impact of lipid-based nutrient supplementation on anti-malarial antibodies in pregnant women in a randomized controlled trial.](#) Malar J. 2015 May 10;14:193.

Harjunmaa U, Järnstedt J, Alho L, Dewey KG, Cheung YB, Deitchler M, Ashorn U, Maleta K, Klein NJ, Ashorn P. [The association between maternal dental periapical infections and pregnancy outcomes - Results from a cross-sectional study in Malawi.](#) Trop Med Int Health. 2015 Nov;20(11):1549-1558.

Helen Keller International. ["Small-quantity lipid-based nutrient supplements, together with malaria and diarrhea treatment, increase growth and reduce the prevalence of stunting in young Burkinabe children: a cluster-randomized trial."](#) Nutrition News for Africa. 2015 May. [This is a summary of a paper listed below by Hess et al., 2015 - Small-quantity lipid-based nutrient supplements, regardless of their zinc content, increase growth and reduce the prevalence of stunting and wasting in young Burkinabe children: a cluster-randomized trial].

Hess SY, Abbeddou S, Jimenez EY, Somé JW, Vosti SA, Ouédraogo ZP, Guissou RM, Ouédraogo JB, Brown KH. [Small-quantity lipid-based nutrient supplements, regardless of their zinc content, increase growth and reduce the prevalence of stunting and wasting in young Burkinabe children: a cluster-randomized trial.](#) PLoS One. 2015 Mar 27;10(3):e0122242.

Hess SY, Abbeddou S, Yakes Jimenez E, Ouédraogo JB, Brown KH. [Iodine status of young Burkinabe children receiving small-quantity lipid-based nutrient supplements and iodized salt: A cluster-randomized trial.](#) Br J Nutr. 2015. Dec;114(11):1829-37.

Maleta KM, Phuka J, Alho L, Cheung YB, Dewey KG, Ashorn U, Phiri N, Phiri TE Vosti SA, Zeilani M, Kumwenda C, Bendabenda J, Pulakka A, Ashorn P. [Provision of 10–40 g/d lipid-based nutrient supplements from 6 to 18 months of age does not prevent linear growth faltering in Malawi.](#) J. Nutr. 2015 Aug 145(8):1909-1915

Pulakka A, Ashorn P, Gondwe A, Phiri N, Ashorn U. [Malawian parents' perceptions of physical activity and child development: a qualitative study.](#) Child Care Health Dev. 2015 Nov.;41(6):911-919.

Pulakka A, Ashorn U, Cheung YB, Dewey KG, Maleta K, Vosti SA, Ashorn P. [Effect of 12-month intervention with lipid-based nutrient supplements on physical activity of 18-month-old Malawian children: a randomised, controlled trial.](#) Eur J Clin Nutr. 2015 Feb;69(2):173-8.

Somé JW, Abbeddou S, Yakes Jimenez E, Hess SY, Ouédraogo ZP, Guissou RM, Vosti SA, Ouédraogo JB, Brown KH. [Effect of zinc added to a daily small-quantity lipid-based nutrient supplement on diarrhea, malaria, fever and respiratory infections in young children in rural Burkina Faso: a cluster randomized trial.](#) BMJ Open. 2015 Sep 11;5(9):e007828.

Stewart CP, Oaks BM, Laugero KD, Ashorn U, Harjunmaa U, Kumwenda C, Chaima D, Maleta K, Ashorn P, Dewey KG. [Maternal cortisol and stress are associated with birth outcomes, but are not affected by lipid-based nutrient supplements during pregnancy: an analysis of data from a randomized controlled trial in rural Malawi.](#) BMC Pregnancy Childbirth. 2015 Dec 22;15(1):346.

2016

Adams KP, Lybbert TJ, Vosti SA, Ayifah E. [Using Experimental Auctions to Estimate Willingness-to-Pay for a New Maternal Nutrient Supplement in Ghana.](#) Agric Econ. 2016; 47: 581–595.

Adu-Afarwuah S, Lartey A, Okronipa H, Ashorn P, Peerson JM, Arimond M, Ashorn U, Zeilani M, Vosti S, Dewey KG. [Small-quantity lipid-based nutrient supplements provided to women during pregnancy and 6 mo postpartum, and to their infants from 6 mo of age, increases child linear growth by 18 mo of age in semi-urban Ghana: A randomized controlled trial.](#) Am J Clin Nutr. 2016 Sep;104(3):797-808.

Bendabenda J, Alho L, Ashorn U, Cheung YB, Dewey KG, Vosti SA, Phuka J, Maleta K, Ashorn P. [The effect of providing Lipid-based Nutrient Supplements on morbidity in rural Malawian infants and young children: a randomized controlled trial.](#) Public Health Nutr. 2016 Jul;19(10):1893-903.

- Chandrasiri UP, Fowkes FJ, Beeson JG, Richards JS, Kamiza S, Maleta K, Ashorn P, Rogerson SJ. [Association between malaria immunity and pregnancy outcomes among Malawian pregnant women receiving nutrient supplementation.](#) Malar J. 2016 Nov 9;15(1):547.
- Harjunmaa U, Järnstedt J, Dewey KG, Ashorn U, Maleta K, Vosti SA, Ashorn P. [Nutrient supplementation may adversely affect maternal oral health - a randomized controlled trial in rural Malawi.](#) Matern Child Nutr. 2016 Jan;12(1):99-110.
- Hemsworth J, Kumwenda C, Arimond M, Maleta K, Phuka J, Rehman AM, Vosti SA, Ashorn U, Filteau S, Dewey KG, Ashorn P, Ferguson EL. [Lipid-based nutrient supplements increase energy and macronutrient intakes from complementary food among Malawian infants.](#) J. Nutr. 2016 Feb; 146(2) 326-334.
- Hess SY, Yakes Jimenez E, Abbedou S. [Impact of Small-Quantity Lipid-Based Nutrient Supplements on Iodine Status: A cluster-randomized trial in young Burkinabe children.](#) Sight and Life Magazine. 2016; 30(2):23-25.
- Klevor MK, Haskell MJ, Lartey A, Adu-Afarwuah S, Zeilani M, Dewey KG. [Lipid-based nutrient supplements providing the approximate recommended daily intake of vitamin A do not increase breast milk retinol concentrations among Ghanaian women.](#) J. Nutr. 2016 Feb; 146(2):335-342.
- Klevor M, Adu-Afarwuah S, Ashorn P, Arimond M, Dewey KG, Lartey A, Maleta K, Phiri N, Pykkö J, Zeilani M, Ashorn U. [A mixed method study exploring adherence to and acceptability of small quantity lipid-based nutrient supplements \(SQ-LNS\) among pregnant and lactating women in Ghana and Malawi.](#) BMC Pregnancy Childbirth. 2016 Aug 30;16:253.
- Kumwenda C, Hemsworth J, Phuka J, Arimond M, Ashorn U, Maleta K, Ashorn P, Haskell MJ, Dewey KG. [Factors associated with breast milk intake among 9-10-month-old Malawian infants.](#) Matern Child Nutr. 2016 Oct;12(4):778-89.
- Lybbert TJ, Vosti SA, Adams KP, Guissou R. 2016. [Household demand for child micronutrient supplementation in Burkina Faso.](#) CEGA Working Paper Series No. WPS-055. Center for Effective Global Action. University of California, Berkeley. – [Now published in the Journal of Health Economics \(2018\)](#)
- Oaks BM, Stewart CP, Laugero KD, Adu-Afarwuah S, Lartey A, Vosti SA, Ashorn P, Dewey KG. [Maternal Plasma Cholesterol and Duration of Pregnancy: A Prospective Cohort Study in Ghana.](#) Matern Child Nutr. 2017 Oct;13(4). doi: 10.1111/mcn.12418. Epub 2016 Dec 27. [e-pub version was published in 2016 whereas the print version was published in 2017].
- Oaks BM, Laugero KD, Stewart CP, Adu-Afarwuah S, Lartey A, Ashorn P, Vosti SA, Dewey KG. [Late pregnancy salivary cortisol concentrations of Ghanaian women participating in a randomized controlled trial of prenatal lipid-based nutrient supplements.](#) J. Nutr. 2016 Feb; 146(2) 343-352.

Prado EL, Abbeddou S, Yakes Jimenez E, Somé JW, Ouédraogo ZP, Vosti SA, Dewey KG, Brown KH, Hess SY, Ouédraogo JB. [Lipid-based nutrient supplements plus malaria and diarrhea treatment increase infant development scores in a cluster-randomized trial in Burkina Faso](#). J. Nutr. 2016 April; 146(4): 814-22.

Prado EL, Adu-Afarwuah S, Lartey A, Ocansey M, Ashorn P, Vosti SA, Dewey KG. [Effects of pre- and post-natal lipid-based nutrient supplements on infant development in a randomized trial in Ghana](#). Early Hum Dev. 2016 Jul 5;99:43-51.

Prado EL, Maleta K, Ashorn P, Ashorn U, Vosti SA, Sadalaki J, Dewey KG. [Effects of maternal and child lipid-based nutrient supplements on infant development: a randomized trial in Malawi](#). Am J Clin Nutr. 2016 March; 103(3):784-793.

Prado EL, Phuka J, Maleta K, Ashorn P, Ashorn U, Vosti SA, Dewey KG. [Provision of Lipid-Based Nutrient Supplements from Age 6 to 18 Months Does Not Affect Infant Development Scores in a Randomized Trial in Malawi](#). Matern Child Health J. 2016 Oct;20(10):2199-208.

Prado EL, Abbeddou S, Adu-Afarwuah S, Arimond M, Ashorn P, Ashorn U, Brown KH, Hess SY, Lartey A, Maleta K, Ocansey E, Ouédraogo JB, Phuka J, Somé JW, Vosti SA, Yakes Jimenez E, Dewey KG. [Linear Growth and Child Development in Burkina Faso, Ghana, and Malawi](#). Pediatrics. 2016 Aug;138(2).

Shaw L, Harjunmaa U, Doyle R, Mulewa S, Charlie D, Maleta K, Callard R, Walker AS, Balloux F, Ashorn P, Klein N. [Distinguishing the Signals of Gingivitis and Periodontitis in Supragingival Plaque: a Cross-Sectional Cohort Study in Malawi](#). Appl Environ Microbiol. 2016 Sep 16;82(19):6057-67.

2017

Abbeddou S, Yakes Jimenez E, Somé JW, Ouédraogo JB, Brown KH, Hess SY. [Small-quantity lipid-based nutrient supplements containing different amounts of zinc increase iron and vitamin A status and reduce anemia prevalence, but do not affect zinc status in young Burkinabe children: a cluster-randomized trial](#). BMC Pediatr. 2017 Feb 2;17(1):46.

Adams KP, Vosti SA, Ayifah E, Phiri TE, Adu-Afarwuah S, Maleta K, Ashorn U, Arimind M, Dewey KG. [Willingness to pay for small-quantity lipid-based nutrient supplements for women and children: Evidence from Ghana and Malawi](#). Matern Child Nutr. 2017;e12518.
<https://doi.org/10.1111/mcn.12518>

Adams KP, Ayifah E, Phiri TE, Mridha MK, Adu-Afarwuah S, Arimond M, Arnold CD, Cummins J, Hussain S, Kumwenda C, Matias SL, Ashorn U, Lartey A, Maleta KM, Vosti SA, Dewey KG. [Maternal and Child Supplementation with Lipid-Based Nutrient Supplements, but Not Child Supplementation Alone, Decreases Self-Reported Household Food Insecurity in Some Settings](#). J Nutr. 2017 Dec;147(12):2309-2318.

Adu-Afarwuah S, Lartey A, Dewey KG. [Meeting nutritional needs in the first 1000 days: a place for small-quantity lipid-based nutrient supplements](#). Ann N Y Acad Sci. 2017 Mar;1392(1):18-29. doi: 10.1111/nyas.13328.

Adu-Afarwuah S, Young RT, Lartey A, Okronipa H, Ashorn P, Ashorn U, Zeilani M, Dewey KG. [Supplementation during pregnancy with small-quantity lipid-based nutrient supplements or multiple micronutrients, compared with iron and folic acid, increases women's urinary iodine concentration in semiurban Ghana: A randomized controlled trial](#). Matern Child Nutr. 2017 Dec 6. doi: 10.1111/mcn.12570. [Epub ahead of print] PubMed PMID: 29210520.

Adu-Afarwuah S, Lartey A, Okronipa H, Ashorn P, Zeilani M, Baldiviez LM, Oaks BM, Vosti SA, Dewey KG. [Impact of small-quantity lipid-based nutrient supplement on hemoglobin, iron status and biomarkers of inflammation in pregnant Ghanaian women](#). Mat Child Nutr. 2017 Apr;13(2):e12262. doi: 10.1111/mcn.12262. Epub 2016 Feb 29. [e-pub version was published in 2016 whereas the print version was published in 2017].

Adu-Afarwuah S, Lartey A, Okronipa H, Ashorn P, Ashorn U, Zeilani M, Arimond M, Vosti SA, Dewey KG. [Maternal supplementation with small-quantity lipid-based nutrient supplements compared with multiple micronutrients, but not with iron and folic acid, reduces the prevalence of low gestational weight gain in semi-urban Ghana: A randomized controlled trial](#). J Nutr. 2017 Apr;147(4):697-705.

Arimond M, Abbeddou S, Kumwenda C, Okronipa H, Hemsworth J, Jimenez EY, Ocansey E, Lartey A, Ashorn U, Adu-Afarwuah S, Vosti SA, Hess SY, Dewey KG. [Impact of small quantity lipid-based nutrient supplements on infant and young child feeding practices at 18 months of age: Results from four randomized controlled trials in Africa](#). Matern Child Nutr. 2017 Jul;13(3):e12377. doi: 10.1111/mcn.12377. Epub 2016 Dec 2. [e-pub version was published in 2016 whereas the print version was published in 2017].

Ashorn P, Poelman B, Dewey KG, Maleta K, Klein N, Rogerson S, Meshnick SR, the LNS-RTI Study Team. [The Impact of Dietary Supplementation with Lipid-Based Nutrient Supplements on Maternal Health and Pregnancy Outcomes in Rural Malawi](#). 2017. Washington, DC: FHI 360/Food and Nutrition Technical Assistance III Project (FANTA).

Ashorn P, Poelman B, Dewey KG, Maleta K, Klein N, Rogerson S, Meshnick SR, the LNS-RTI Study Team. [The Associations between Nutrition, Stress, Infection, and Inflammation and Maternal Health and Pregnancy Outcomes in Rural Malawi](#). 2017. Washington, DC: FHI 360/Food and Nutrition Technical Assistance III Project (FANTA).

Ashorn P, Poelman B, Dewey KG, Maleta K, Klein N, Rogerson S, Meshnick SR, the LNS-RTI Study Team. [Pathways Leading to Adverse Birth Outcomes in Rural Malawi](#). 2017. Washington, DC: FHI 360/Food and Nutrition Technical Assistance III Project (FANTA).

Doyle R, Harris K, Kamiza S, Harjunmaa U, Ashorn U, Nkhoma M, Dewey KG, Maleta K, Ashorn P, Klein N. [Bacterial communities found in placental tissues are associated with severe chorioamnionitis and adverse birth outcomes](#). PLOS ONE. 2017; 12(7): e0180167.

Harjunmaa U, Doyle R, Järnstedt J, Kamiza S, Jorgensen JM, Stewart CP, Shaw L, Hallamaa L, Ashorn U, Klein N, Dewey KG, Maleta K, Ashorn P. [Periapical infection may affect birth outcomes via systemic inflammation](#). Oral Dis. 2017 Dec 12. doi: 10.1111/odi.12817. [Epub ahead of print] PubMed PMID: 29230915.

Helen Keller International. “[Predictors and pathways of language and motor development in four prospective cohorts of young children in Ghana, Malawi, and Burkina Faso](#).” Nutrition News for Africa. 2017 May. [This is a summary of a paper listed below by Prado et al., 2017 - Predictors and pathways of language and motor development in four prospective cohorts of young children in Ghana, Malawi, and Burkina Faso].

Hess SY, Peerson JM, Becquey E, Abbeddou S, Ouédraogo CT, Somé JW, Yakes Jimenez E, Ouédraogo JB, Vosti SA, Rouamba N, Brown KH. [Differing growth responses to nutritional supplements in neighboring health districts of Burkina Faso are likely due to benefits of small-quantity lipid-based nutrient supplements](#). PLoS One. 2017 Aug 3;12(8):e0181770. doi: 10.1371/journal.pone.0181770. eCollection 2017.

Jorgensen JM, Arnold C, Ashorn P, Ashorn U, Chaima D, Cheung YB, Davis JCC, Fan YM, Goonatilleke E, Kortekangas E, Kumwenda C, Lebrilla CB, Maleta K, Totten SM, Wu LD, Dewey KG. [Lipid-Based Nutrient Supplements During Pregnancy and Lactation Did Not Affect Human Milk Oligosaccharides and Bioactive Proteins in a Randomized Trial](#). J Nutr 2017 Oct;147(10):1867-1874.

Nkhoma M, Ashorn P, Ashorn U, Dewey K, Gondwe A, Mbotwa J, Rogerson S, Taylor S, Maleta K. [Providing lipid-based nutrient supplement during pregnancy does not reduce the risk of maternal P falciparum parasitaemia and reproductive tract infections: a randomised control trial](#). BMC Pregnancy Childbirth. 2017 Jan 17;17(1):35.

Oaks BM, Young RR, Adu-Afarwuah S, Ashorn U, Jackson KH, Lartey A, Maleta K, Okronipa H, Sadalaki J, Baldiviez LB, Shahab-Ferdows S, Ashorn P, Dewey KG. [Effects of a lipid-based nutrient supplement during pregnancy and lactation on maternal plasma fatty acid status and lipid profile: results of two randomized controlled trials](#). Prostaglandins Leukot Essent Fatty Acids. 2017 Feb;117:28-35.

Okronipa H, Adu-Afarwuah S, Lartey A, Ashorn P, Vosti SA, Young RR, Dewey KG. [Maternal supplementation with small-quantity lipid-based nutrient supplements during pregnancy and lactation does not reduce depressive symptoms at 6 months post-partum in Ghanaian women: A randomized controlled trial](#). Arch Womens Ment Health. 2018;21(1):55-63. Epub 2017 Jul 11. <https://doi.org/10.1007/s00737-017-0752-7>. [e-pub version was published in 2017 whereas the print version was published in 2018].

Prado EL, Abbeddou S, Yakes Jimenez E, Somé JW, Dewey KG, Brown KH, Hess SY. [Effects of an intervention on growth and development: evidence for different mechanisms at work](#). Matern Child Nutr. 2017 Apr;13(2):e12314.

Prado EL, Abbeddou S, Adu-Afarwuah S, Arimond M, Ashorn P, Ashorn U, Bendabenda J, Brown KH, Hess SY, Kortekangas E, Lartey A, Maleta K, Oaks BM, Ocansey E, Okronipa H, Ouédraogo JB, Pulakka

A, Somé JW, Stewart CP, Stewart RC, Vosti SA, Yakes Jimenez E, Dewey KG. [Predictors and pathways of language and motor development in four prospective cohorts of young children in Ghana, Malawi, and Burkina Faso](#). J Child Psychol Psychiatry. 2017 Nov;58(11):1264-1275. doi: 10.1111/jcpp.12751. Epub 2017 May 23.

Prado, E. L., Ashorn, U., Phuka, J., Maleta, K., Sadalaki, J., Oaks, B. M., Haskell, M., Allen, L. H., Vosti, S. A., Ashorn, P., Dewey, K. G. [Associations of maternal nutrition during pregnancy and post-partum with maternal cognition and caregiving](#). Matern Child Nutr. 2017 Nov 2. doi: 10.1111/mcn.12546. [Epub ahead of print] PubMed PMID: 29098783.

Pulakka A, Yin Bun Cheung YB, Maleta K, Dewey KG, Kumwenda C, Bendabenda J, Ashorn U, Ashorn P. [Effect of 12-month intervention with lipid-based nutrient supplement on physical activity of Malawian toddlers: a randomised, controlled trial](#). Br J Nutr. 2017;117:511-18.

Stewart RC, Ashorn P, Umar E, Dewey KG, Ashorn A, Creed F, Rahman A, Tomenson B, Prado EL, Maleta K. [The impact of maternal diet fortification with lipid-based nutrient supplements on postpartum depression in rural Malawi: a randomised-controlled trial](#). Matern Child Nutr. 2017 Apr;13(2):e12299.

2018

Adams, Katherine P., Travis J. Lybbert, Stephen A. Vosti, Emmanuel Ayifah, Mary Arimond, Seth Adu-Afarwuah, and Kathryn G. Dewey. 2018. "Unintended Effects of a Targeted Maternal and Child Nutrition Intervention on Household Expenditures, Labor Income, and the Nutritional Status of Non-Targeted Siblings in Ghana." *World Development*. 107: 138-150.
<https://doi.org/10.1016/j.worlddev.2018.02.025>

Adams, Katherine P., Harriet Okronipa, Seth Adu-Afarwuah, Mary Arimond, Sika Kumordzie, Brietta M. Oaks, Maku E. Ocansey, Rebecca R. Young, Stephen A. Vosti, and Kathryn G. Dewey. 2018. "Ghanaian Parents' Perceptions of Pre- and Post-Natal Nutrient Supplements and their Effects.". [Matern Child Nutr.](#) 2018 Apr 15:e12608. doi: 10.1111/mcn.12608.

Ashorn P, Hallamaa L, Allen LH, Ashorn U, Chandrasiri U, Deitchler M, Doyle R, Harjunmaa U, Jorgensen, JM, Kamiza S, Klein N, Maleta K, Nkhoma M, Oaks BM, Poelman B, Rogerson SJ, Stewart CP, Zeilani M, Dewey KG. [Co-causation of reduced newborn size by maternal undernutrition, infections, and inflammation](#). Matern Child Nutr. 2018;e12585. doi: 10.1111/mcn.12585 [Epub ahead of print]

Barua P, Chandrasiri UP, Beeson JG, Dewey KG, Maleta K, Ashorn P, Rogerson SJ. [Effect of nutrient supplementation on the acquisition of humoral immunity to Plasmodium falciparum in young Malawian children](#). Malar J. 2018 Feb 7;17(1):74. doi: 10.1186/s12936-018-2224-6.

Bendabenda J, Patson N, Hallamaa L, Mbotwa J, Mangani C, Phuka J, Prado EL, Cheung YB, Ashorn U, Dewey KG, Ashorn P, Maleta K. [The association of malaria morbidity with linear growth, hemoglobin, iron status, and development in young Malawian children: a prospective cohort study](#). BMC Pediatr. 2018 Dec 28;18(1):396. doi: 10.1186/s12887-018-1378-2.

Doyle R, Gondwe A, Fan YM, Maleta K, Ashorn P, Klein N, Harris K. [Lactobacillus-deficient vaginal microbiota dominate post-partum women in rural Malawi](#). *Appl Environ Microbiol*. 2018 Jan 5. pii: AEM.02150-17. doi: 10.1128/AEM.02150-17. [Epub ahead of print]. PMID: 29305501

Gondwe A, Ashorn P, Ulla Ashorn U, Dewey KG, Maleta K, Nkhoma M, Mbotwa J, Jorgensen KM. [Pre-pregnancy Body Mass Index \(BMI\) and maternal gestational weight gain are positively associated with birth outcomes in rural Malawi](#). *PLoS One*, 2018 Oct 23;13(10):e0206035. doi: 10.1371/journal.pone.0206035. eCollection 2018.

Hemsworth J, Arimond M, Kumwenda C, Rehman A, Maleta K, Ashorn U, Keogh R, Ferguson E. [Comparison of an interactive 24-hour recall and weighed food record for measuring energy and nutrient intakes from complementary foods among 9-10-month old Malawian infants consuming lipid-based nutrient supplements](#). *Br J Nutr*. 2018 Oct 23:1-10. doi: 10.1017/S0007114518002374. [Epub ahead of print]. PMID: 30350761

Jorgensen JM, Ashorn P, Ashorn U, Baldiviez LM, Gondwe A, Maleta K, Nkhoma M, Dewey KG. [Effects of lipid-based nutrient supplements or multiple micronutrient supplements compared with iron and folic acid supplements during pregnancy on maternal haemoglobin and iron status](#). *Matern Child Nutr*. 2018 Jul 26:e12640. doi: 10.1111/mcn.12640. [Epub ahead of print] PubMed PMID: 30047245.

Kumwenda C, Hemsworth J, Phuka J, Ashorn U, Arimond M, Maleta K, Prado EL, Haskell MJ, Dewey KG, Ashorn P. [Association between breast milk intake at 9–10 months of age and growth and development among Malawian young children](#). *Matern Child Nutr*. 2018;e12582. <https://doi.org/10.1111/mcn.12582>. [Epub ahead of print]

Prado EL, Phuka J, Ocansey E, Maleta K, Ashorn P, Ashorn U, Adu-Afarwuah S, Oaks BM, Lartey A, Dewey KG (2018). [A method to develop vocabulary checklists in new languages and their validity to assess early language development](#). *J Health Popul Nutr* 37(1): 13. doi:10.1186/s41043-018-0145-1

Stewart RC, Ashorn P, Umar E, Dewey KG, Ashorn U, Creed F, Rahman A, Tomenson B, Prado EL, Maleta K. [Associations between antenatal depression and neonatal outcomes in Malawi](#). *Matern Child Nutr*. 2018 Oct 2:e12709. doi: 10.1111/mcn.12709.

Lybbert TJ, Vosti SA, Adams KP, Guissou R. [Household demand persistence for child micronutrient supplementation](#). *Journal of Health Economics* 2018;62:147-164. doi.org/10.1016/j.jhealeco.2018.09.010

2019

Adams KP, Adu-Afarwuah S, Bentil H, Oaks BM, Young RR, Vosti SA, Dewey KG. [The effects of a nutrient supplementation intervention in Ghana on parents' investments in their children](#). *PLoS One*. 2019;14(3):e0212178. doi: 10.1371/journal.pone.0212178. eCollection 2019. PubMed PMID: 30865629; PubMed Central PMCID: PMC6415888.

Adu-Afarwuah S, Young RT, Lartey A, Okronipa H, Ashorn P, Ashorn U, Oaks BM, Arimond M, Dewey KG. [Maternal – infant supplementation with small-quantity lipid-based nutrient supplements increases infants' iron status at 18 mo of age in a semi-urban setting in Ghana: a secondary outcome analysis of](#)

[the iLiNS-DYAD randomized controlled trial.](#) J Nutr. 2019 Jan; 149(1):149–158, <https://doi.org/10.1093/jn/nxy225>

Adu-Afarwuah S, Young RR, Lartey A, Okronipa H, Ashorn P, Ashorn U, Oaks BM, Dewey KG. [Supplementation with Small-Quantity Lipid-Based Nutrient Supplements Does Not Increase Child Morbidity in a Semiurban Setting in Ghana: A Secondary Outcome Noninferiority Analysis of the International Lipid-Based Nutrient Supplements \(iLiNS\)-DYAD Randomized Controlled Trial.](#) J Nutr. 2019 Oct 11;. doi: 10.1093/jn/nxz243. [Epub ahead of print] PubMed PMID: 31603205.

Barua P, Beeson JG, Maleta K, Ashorn P, Rogerson SJ. [The impact of early life exposure to Plasmodium falciparum on the development of naturally acquired immunity to malaria in young Malawian children.](#) Malar J. 2019 Jan 18;18(1):11. doi: 10.1186/s12936-019-2647-8.

Bendabenda J, Patson N, Hallamaa L, Mbotwa J, Mangani C, Phuka J, Prado EL, Cheung YB, Ashorn U, Dewey KG, Ashorn P, Maleta K. [The association of malaria morbidity with linear growth, hemoglobin, iron status, and development in young Malawian children: a prospective cohort study.](#) BMC Pediatr. 2018 Dec 28;18(1):396. doi: 10.1186/s12887-018-1378-2.

Bendabenda J, Patson N, Hallamaa L, Ashorn U, Dewey KG, Ashorn P, Maleta K. [Does anthropometric status at 6 months predict the over-dispersion of malaria infections in children aged 6-18 months? A prospective cohort study.](#) Malar J. 2019 Apr 22;18(1):143.

Kamng'ona AW, Young R, Arnold CD, Kortekangas E, Patson N, Jorgensen JM, Prado EL, Chaima D, Malamba C, Ashorn U, Fan YM, Cheung YB, Ashorn P, Maleta K, Dewey KG. [The association of gut microbiota characteristics in Malawian infants with growth and inflammation.](#) Sci Rep. 2019 Sep 9;9(1):12893. doi: 10.1038/s41598-019-49274-y. PubMed PMID: 31501455; PubMed Central PMCID: PMC6733848.

Kumordzie SM, Okronipa H, Arimond M, Adu-Afarwuah S, Ocansey ME, Young RR, Bentil HJ, Tamakloe SM, Oaks BM, Dewey KG. [Maternal and child factors associated with child body fatness in a Ghanaian cohort.](#) Public Health Nutr. 2019 Jul 25;1-10. doi: 10.1017/S1368980019001745.

Kumordzie SM, Adu-Afarwuah S, Young RR, Oaks BM, Tamakloe SM, Ocansey ME, Okronipa H, Prado EL, Dewey KG. [Maternal-infant supplementation with small-quantity lipid-based nutrient supplements did not affect child blood pressure at 4-6 y in Ghana: follow-up of a randomized trial.](#) J Nutr. 2019 Mar 1;149(3):522-531.

Kumordzie SM, Adu-Afarwuah S, Arimond M, Young RR, Adom T, Boatin R, Ocansey ME, Okronipa H, Prado EL, Oaks BM, Dewey KG. [Maternal and Infant Lipid-Based Nutritional Supplementation Increases Height of Ghanaian Children at 4-6 Years Only if the Mother Was Not Overweight Before Conception.](#) J Nutr. 2019 May 1;149(5):847-855.

Kortekangas E, Young RR, Cheung YB, Fan YM, Jorgensen JM, Kamng'ona AW, Chaima D, Ashorn U, Dewey KG, Maleta K, Ashorn P. [A prospective study on child morbidity and gut microbiota in rural Malawi.](#) J Pediatr Gastroenterol Nutr. 2019 Oct;69(4):431-437. doi: 10.1097/MPG.0000000000002435. PubMed PMID: 31436705.

Nkhoma M, Ashorn P, Ashorn U, Dewey KG, Gondwe A, Maleta K. [Lipid based nutrient supplements during pregnancy may improve foetal growth in HIV infected women - A cohort study.](#) PLoS One. 2019;14(5):e0215760. doi: 10.1371/journal.pone.0215760. eCollection 2019. PubMed PMID: 31048878.

Oaks BM, Jorgensen JM, Baldiviez LM, Adu-Afarwuah, Maleta K, Okronipa H, Sadalaki J, Lartey A, Ashorn P, Ashorn U, Vosti SA, Allen LH, Dewey KG. [Prenatal Iron Deficiency and Replete Iron Status Are Associated with Adverse Birth Outcomes, but Associations Differ in Ghana and Malawi.](#) J Nutr. 2019 Mar 1;149(3):513-521.

Ocansey ME, Adu-Afarwuah S, Kumordzie SM, Okronipa H, Young RR, Tamakloe SM, Oaks BM, Dewey KG, Prado EL. [Prenatal and postnatal lipid-based nutrient supplementation and cognitive, social-emotional and motor function in preschool-aged children in Ghana: A follow-up of a randomized controlled trial.](#) Am J Clin Nutr. 2019 February; 109(2):322-334. <https://doi.org/10.1093/ajcn/nqy303>

Ocansey ME, Adu-Afarwuah S, Kumordzie SM, Okronipa H, Young RR, Tamakloe SM, Oaks BM, Arimond M, Dewey KG, Prado EL. [The Association of Early Linear Growth and Hemoglobin Concentration with Later Cognitive, Motor and Social-emotional Development at Preschool Age in Ghana.](#) Matern Child Nutr. 2019 May 1:e12834. doi: 10.1111/mcn.12834. [Epub ahead of print] PubMed PMID: 31042813.

Ocansey ME, Pulakka A, Adu-Afarwuah S, Young RR, Kumordzie SM, Okronipa H, Oaks BM, Dewey KG, Prado EL. [The effects of supplementing maternal and infant diets with lipid-based nutrient supplements on physical activity and sedentary behavior at preschool age in Ghana.](#) Br J Nutr. 2019 Oct 28;122(8):884-894. doi: 10.1017/S0007114519001636. Epub 2019 Sep 16. PubMed PMID: 31524123

Okronipa H, Arimond M, Young RR, Arnold CD, Adu-Afarwuah S, Tamakloe SM, Bentil HJ, Ocansey ME, Kumordzie SM, Oaks BM, Dewey KG. [Exposure to a slightly sweet lipid-based nutrient supplement during early life does not increase the preference for or consumption of sweet foods and beverages by 4 to 6 y old Ghanaian preschool children: a follow-up of a randomized controlled trial.](#) J Nutr. 2019 March; 149(3):532-541. <https://doi.org/10.1093/jn/nxy293>

Okronipa H, Arimond M, Arnold CD, Young RR, Adu-Afarwuah S, Tamakloe SM, Ocansey ME, Kumordzie SM, Oaks BM, Mennella JA, Dewey KG. [Exposure to a slightly sweet lipid-based nutrient supplement during early life does not increase the level of sweet taste most preferred among 4 to 6-year-old Ghanaian children: follow-up of a randomized controlled trial.](#) Am J Clin Nutr. 2019 April; 109(4):1224-1232. <https://doi.org/10.1093/ajcn/nqy352>

Prado, E.L., Yakes Jimenez, S.A. Vosti, R.C. Stewart, C.P. Stewart, J.W. Somé, A. Pulakka, J.B. Ouédraogo, H. Okronipa, E. Ocansey, B.M. Oaks, K. Maleta, A. Lartey, E. Kortekangas, S.Y. Hess, K.H. Brown, J. Bendabenda, U. Ashorn, P. Ashorn, M. Arimond, S. Adu-Afarwuah, S. Abbeddou and K.G. Dewey. [Path Analyses of Risk Factors for Linear Growth Faltering in Four Prospective Cohorts of Young Children in Ghana, Malawi, and Burkina Faso.](#) BMJ Global Health 2019;4:e001155.

Stewart CP, Wessells KR, Arnold CD, Huybregts L, Ashorn P, Becquey E, Humphrey JH, Dewey KG. [Lipid-based nutrient supplements and all-cause mortality in children 6-24 months of age: a meta-analysis](#)

[of randomized controlled trials](#). Am J Clin Nutr 2019 Nov 7;. doi: 10.1093/ajcn/nqz262. [Epub ahead of print] PubMed PMID: 31697329.

Wenbo Zou, Travis Lybbert, Stephen Vosti & Souheila Abbeddou (2019) [Early Childhood Nutrition, Parental Growth Perceptions and Educational Aspirations in Rural Burkina Faso](#), The Journal of Development Studies, 56:4, 798-816. DOI: [10.1080/00220388.2019.1605056](https://doi.org/10.1080/00220388.2019.1605056)

2020

Adams KP, Adu-Afarwuah S, Mridha MK, Oaks BM, Matias SL, Arnold CD, Kumordzie SM, Okronipa H, Ocansey ME, Dewey KG. [The impact of maternal supplementation during pregnancy and the first six months postpartum on the growth status of the next child conceived and born after the intervention period: follow-up results of two randomized controlled trials in Bangladesh and Ghana](#). Matern Child Nutr. 2020 Apr;16(2):e12927

Emmanuel Ayifah, Aylit Tina Romm, Umakrishnan Kollamparambil & Stephen A. Vosti. [Effect of religion on the risk behaviour of rural Ghanaian women: evidence from a controlled field experiment](#). Review of Social Economy. 2020 Feb. DOI: 10.1080/00346764.2020.1725831

Kamng'ona AW, Young R, Arnold CD, Patson N, Jorgensen JM, Kortekangas E, Chaima D, Malamba C, Ashorn U, Cheung YB, Ashorn P, Maleta K, Dewey KG. [Provision of Lipid-Based Nutrient Supplements to Mothers during Pregnancy and 6 Months Postpartum and to Their Infants from 6 to 18 Months Promotes Infant Gut Microbiota Diversity at 18 Months of Age but Not Microbiota Maturation in a Rural Malawian Setting: Secondary Outcomes of a Randomized Trial](#). J Nutr. 2020 Apr 1;150(4):918-928.

Kortekangas E, Kamng'ona AW, Fan YM, Cheung YB, Ashorn U, Matchado A, Poelman B, Maleta K, Dewey KG, Ashorn P. [Environmental exposures and child and maternal gut microbiota in rural Malawi. Paediatric and Perinatal Epidemiology](#). Paediatr Perinat Epidemiol. 2020 Mar;34(2):161-170.

Oaks BM, Adu-Afarwuah S, Kumordzie S, Laudenslager ML, Smith DL, Lin J, Young RR, Arnold CD, Bentil H, Okronipa H, Ocansey M, Dewey KG. [Impact of a nutritional supplement during gestation and early childhood on child salivary cortisol, hair cortisol, and telomere length at 4-6 years of age: a follow-up of a randomized controlled trial](#). Stress. 2020 Feb 24;1-10

In press

Priyanka Barua, James G Beeson, Kenneth Maleta, Per Ashorn, Stephen John Rogerson. The impact of early life exposure to Plasmodium falciparum on the development of naturally acquired immunity to malaria in young Malawian children. Malaria Journal.

Doctoral Dissertations

2020

Jaden Bendabenda. The Associations of Malaria and Linear Growth Faltering in Infants and Young Children in Malawi. University of Tampere, Finland, 2020. <http://urn.fi/URN:ISBN:978-952-03-1416-3>

2019

Austrida Gondwe. Born too soon in Malawi. Maternal nutrition as a predictor of preterm delivery and community and professional views on the care of the preterm infant. Tampere University, Finland, 2019.

Matchado A. Dietary factors associated with child linear growth in rural Malawi. University of California, Davis, 2019.

2018

Ayifah, E. Risk Behaviour of Women, Livelihood Activities and Household Food Insecurity: Evidence from Ghana. University of the Witwatersrand, Johannesburg, South Africa, 2018.

Hanjahanja-Phiri TE. Assessing the Intergenerational Effects of Maternal Exposure to Drought in Early Life Before and After Prenatal Supplementation and the Seasonality Effects on Birth Outcomes in Rural Malawi. University of Waterloo, 2018.

Kumordzie, SM. Effect of Maternal and Infant Lipid-based Nutrient Supplementation on Subsequent Growth and Health Outcomes of Preschool-aged Children in Ghana. University of California, Davis, 2018.

Ocansey, M.E. Effects of Prenatal and Postnatal Lipid-based Nutrient Supplementation on Child Development and Physical Activity at Preschool Age in Ghana. PhD Dissertation. University of California, Davis, 2018.

Okronipa H.E.T. Impact of Supplementation with a Slightly Sweet Lipid-Based Nutrient Supplement Early in Life on Sweet Taste Preference and Sweet Food and Beverage Preference or Consumption Among Preschool-Aged Children in Ghana: A Follow-up of a Randomized Controlled Trial. University of California, Davis, 2018.

Harjunmaa Ulla, Nutrition Supplements, Oral Health and Adverse Pregnancy Outcomes in Malawi, University of Tampere, 2018

2017

Haber J. Micronutrient Supplementation in Pregnancy and Lactation: Effects on Maternal and Infant Status, and Breast Milk Composition in Guatemala, Malawi and Ghana. University of California, Davis, 2017.

Kumwenda C. [Effect of Consuming Small-Quantity Lipid-based Nutrient Supplements on Breast Milk, Energy and Nutrient Intake and the Association between Amount of Breast Milk Intake and Growth and Development of Malawian Rural Children.](#) Tampere University Press, 2017.

2015

Chandrasiri UP. [Effect of maternal nutrient supplementation on malaria antibody immunity during pregnancy and infancy.](#) University of Melbourne, 2015.

Doyle R. [Placental, oral and vaginal microbiomes and birth outcomes in rural Malawi.](#) University College of London, 2015.

Pulakka A. [Physical Activity of Malawian Toddlers: Measurement, effect of nutrient supplements and parental perceptions.](#) Tampere University Press, 2015.

Somé JW. Effects of micronutrient supplementation on infectious morbidity in young children in Burkina Faso. Unpublished PhD Dissertation, Department of Nutrition, University of California, Davis, 2015.

2014

Baldiviez LM. [The Relationship between Iron Supplementation during Pregnancy and Urinary 8-isoprostanate-F2 \$\alpha\$, a Biomarker of in vivo Lipid Peroxidation, and Severe Cases of Maternal Malaria in Ghana.](#) University of California, Davis, ProQuest Dissertations Publishing, 2014.

Hemsworth J. The Effect of Lipid Based Nutrient Supplement (LNS) on Complementary Food Intake of 9-10 Month-Old Infants in Mangochi District, Malawi. Unpublished PhD thesis. Department of Population Health, Nutrition Group, London School of Hygiene and Tropical Medicine, 2014.

Klevor MK. [Breast Milk Retinol Concentrations of Ghanaian Women: Effect of Lipid-Based Nutrient Supplements Taken During Pregnancy and the First 6 Months Postpartum, and Associations with Maternal Dietary Patterns and Sociodemographic Factors.](#) University of California, Davis, ProQuest Dissertations Publishing, 2014.

Oaks BM. [Nutritional and Physiological Factors in Relation to Birth Outcomes and the Role of a Lipid-Based Nutrient Supplement \(LNS\) in Pregnant Ghanaian Women.](#) University of California, Davis, ProQuest Dissertations Publishing, 2014.

2012

Adams KP. [Three Essays on the Economics of Maternal and Early Childhood Undernutrition: Evidence from a Randomized Controlled Nutrition Trial in Ghana.](#) University of California, Davis, ProQuest Dissertations Publishing, 2012.

Undergraduate and Master's theses

2018

Nozgechi Phiri. Predictors of adherence to lipid based nutrient supplementation in 12 and 18 months old healthy Malawian infants participating in a randomized controlled clinical trial in rural Malawi. University of Malawi College of Medicine, 2018.

2017

Hafez S. Association between caries related odontogenic infections and low body mass index (BMI) and/or low mid upper arm circumference (MUAC) in recently delivered women in Mangochi, Malawi. MSc thesis, University of Tampere, School of Health Sciences, 2017.

Phiri PH. Effect of complementary feeding of lipid-based nutrient supplements on appetite in 6- to 18-month-old rural Malawian children. MSc thesis, University of Tampere, School of Health Sciences, 2017.

2016

Komonen R. Mother's perception of her child's growth in rural Malawi. University of Tampere, School of Health Sciences, 2016.

Phiri E. Impact of lipid based nutrient supplements (LNS) on child sleep in rural Malawi. MSc thesis, University of Tampere, School of Health Sciences, 2016.

2015

Antrim S. Measuring the Effective Demand for Fanga Degue in the Dandé Health District, Burkina Faso. MSc thesis, International Agricultural Development Program, University of California, Davis, 2015.

Guisou R. Impact d'une supplémentation en LNS sur la croissance de jeunes enfants : les résultats du projet iLiNS Zinc au Burkina Faso. MSc Thesis, Organization Sciences, Université Paris-Dauphine, 2015.

Ollila S. Association between morbidity and physical activity among 18-month-old Malawian toddlers. Thesis for Licentiate in Medicine, Department for International Health, University of Tampere School of Medicine, 2015.

2012

Ankrah J. Determinants of postpartum weight change among Ghanaian women. MSc thesis, University of Ghana, 2012.

Kwon J. Development of Food-Based Recommendations for 15 month old young children of rural Malawi and their comparison with a lipid-based nutrient supplement intervention, using Optifood LP programme. MSc thesis, London School of Hygiene and Tropical Medicine, 2012.

Saloheimo T. Relative validity of an interactive 24-hour recall to assess the intake of energy and nutrients among 15-month old Malawian children. MSc thesis, University of Helsinki, 2012.

Symonds A. The effect of high-energy lipid-based nutrient spread on intakes of energy and nutrients from complementary foods in 15-16 month old infants in rural Malawi. MSc thesis, London School of Hygiene and Tropical Medicine, 2012.

2011

Nketia D. Validation study on the interactive 24-hour recall against the weighed food record among Ghanaian children. M.Phil. thesis, University of Ghana, 2011.

2010

Howe-Cobb M. Hedonic price analysis of substitutes and complements of a nutritional supplement in Malawi. Undergraduate thesis, California Polytechnic State University, 2010.