

April 2021 Resource Review

The **REFINE Resource Review** is a collection of materials to keep you updated on research related to food assistance products and malnutrition. Resources identified and added between January and March 2021 are detailed below and are available on the [REFINE website](#).

The goal of Research Engagement on Food Innovations for Nutritional Effectiveness (REFINE) is to enhance the accessibility to, and exchange of, rigorous, operational and policy relevant research on **nutrition-directed interventions that improve nutrition in both emergency and non-emergency contexts**.

REFINE is a product of the [Food Aid Quality Review](#) (FAQR) project, which is funded by the United States Agency for International Development's Bureau for Humanitarian Assistance (USAID/BHA) and provides actionable recommendations on ways to improve nutrition among vulnerable populations for whom the direct distribution of food assistance can make a significant impact.

Feel free to direct any questions, comments, and additional resources you come across to Natalie Volin, the REFINE Research Assistant, at natalie.volin@tufts.edu or at REFINEnutrition@gmail.com.



Ongoing Clinical Trials

This section includes ongoing trials on five clinical trial registries searched by REFINE.

No clinical trials identified in this issue.



Published Food Assistance Product Studies

This section includes publications from clinical trials testing food assistance products and peer-reviewed evidence, including reports and evaluations from programs using these products. On REFINE, these resources are tagged according to country, nutritional problem studied, intervention used, study type, year, and author.

de Kok, B., Moore, K., Jones, L., Vanslambrouck, K., Toe, L.C., Ouédraogo, M., Ganaba, R., de Pee, S., Bedford, J., Lachat, C. and Kolsteren, P., 2021. **Home consumption of two fortified balanced energy protein supplements by pregnant women in Burkina Faso.** *Maternal & Child Nutrition*, p.e13134.

<https://refinenutrition.org/content/home-consumption-two-fortified-balanced-energy-protein-supplements-pregnant-women-burkina>

Hurley, K.M., Phuka, J., Kang, Y., Ruel-Bergeron, J., Buckland, A.J., Mitra, M., Wu, L., Klemm, R.D., West, K.P. and Christian, P., 2021. **A longitudinal impact evaluation of a comprehensive nutrition program for reducing stunting among children aged 6–23 months in rural Malawi.** *The American Journal of Clinical Nutrition*.

<https://refinenutrition.org/content/longitudinal-impact-evaluation-comprehensive-nutrition-program-reducing-stunting-among>

Lelijveld, N., Musyoki, E., Adongo, S.W., Mayberry, A., Wells, J.C., Opondo, C., Kerac, M. and Bailey, J., 2021. **Relapse and post-discharge body composition of children treated for acute malnutrition using a simplified, combined protocol: A nested cohort from the ComPAS RCT.** *Plos one*, 16(2), p.e0245477.

<https://refinenutrition.org/content/relapse-and-post-discharge-body-composition-children-treated-acute-malnutrition-using>

Leroy, J.L., Olney, D.K., Nduwabike, N. and Ruel, M.T., 2021. **Tubaramure, a Food-Assisted Integrated Health and Nutrition Program, Reduces Child Wasting in Burundi: A Cluster-Randomized Controlled Intervention Trial.** *The Journal of nutrition*, 151(1), pp.197-205.

<https://refinenutrition.org/content/tubaramure-food-assisted-integrated-health-and-nutrition-program-reduces-child-wasting>

Marshak, A., Young, H., Radday, A. and Naumova, E.N., 2020. **Sustained nutrition impact of a multisectoral intervention program two years after completion.** *Maternal & Child Nutrition*, p.e13103.

<https://refinenutrition.org/content/sustained-nutrition-impact-multisectoral-intervention-program-two-years-after-completion>

N'Diaye, D.S., Wassonguema, B., Nikièma, V., Kangas, S.T. and Salpéteur, C., 2021. **Economic evaluation of a reduced dosage of ready-to-use therapeutic foods to treat uncomplicated severe acute malnourished children aged 6–59 months in Burkina Faso.** *Maternal & Child Nutrition*, p.e13118.

<https://refinenutrition.org/content/economic-evaluation-reduced-dosage-ready-use-therapeutic-foods-treat-uncomplicated-severe>

Nikièma, V., Kangas, S.T., Salpéteur, C., Ouédraogo, A., Lachat, C., Bassolé, N.H. and Fogny, N.F., 2021. **Adequacy of nutrient intakes of severely and acutely malnourished children treated with different doses of ready-to-use therapeutic food in Burkina Faso.** *Journal of Nutrition*.

<https://refinenutrition.org/content/adequacy-nutrient-intakes-severely-and-acutely-malnourished-children-treated-different-doses>

Singh, A., Ghosh, S., Ward, H., Manary, M.J., Rogers, B.L. and Rosenberg, I.H., 2021. **Biomarkers of environmental enteric dysfunction are differently associated with recovery and growth among children with moderate acute malnutrition in Sierra Leone.** *The American Journal of Clinical Nutrition*.

<https://refinenutrition.org/content/biomarkers-environmental-enteric-dysfunction-are-differently-associated-recovery-and-growth>

Stephenson, K.B., Agapova, S.E., Hendrixson, D.T., Koroma, A.S. and Manary, M.J., 2021. **An Optimized Dose of Therapeutic Feeding Results in Noninferior Growth in Midupper Arm Circumference Compared with a Standard Dose in Children in Sierra Leone Recovering from Acute Malnutrition.** *Current developments in nutrition*, 5(2), p.nzab007.

<https://refinenutrition.org/content/optimized-dose-therapeutic-feeding-results-noninferior-growth-midupper-arm-circumference>

Vanslambrouck, K., de Kok, B., Toe, L.C., De Cock, N., Ouedraogo, M., Dailey-Chwalibóg, T., Hanley-Cook, G., Ganaba, R., Lachat, C., Huybregts, L. and Kolsteren, P., 2021. **Effect of balanced energy-protein supplementation during pregnancy and lactation on birth outcomes and infant growth in rural Burkina Faso: study protocol for a randomised controlled trial.** *BMJ open*, 11(3), p.e038393.

<https://refinenutrition.org/content/effect-balanced-energy-protein-supplementation-during-pregnancy-and-lactation-birth-outcomes>



REFINE Resource Library

The REFINE Library is a collection of resources relating to food-supported interventions, including systematic reviews, meta-analyses, organizational documents, and general discussion pieces on key topics related to food assistance products and interventions.

Bailey, J., Lelijveld, N., Khara, T., Dolan, C., Stobaugh, H., Sadler, K., Lino Lako, R., Briend, A., Opondo, C., Kerac, M. and Myatt, M., 2021. **Response to Malnutrition Treatment in Low Weight-for-Age Children: Secondary Analyses of Children 6–59 Months in the ComPAS Cluster Randomized Controlled Trial.** *Nutrients*, 13(4), p.1054.

<https://refinenutrition.org/content/response-malnutrition-treatment-low-weight-age-children-secondary-analyses-children-6-59>

Tuffrey, V., Mezger, C., Nanama, S., Bulti, A., Olisenekwu, G., Umar, C., Jones, E. and Namukasa, E., 2021. **Assessment of monitoring systems in the management of severe acute malnutrition in northern Nigeria.** *BMC nutrition*, 7(1), pp.1-13.

<https://refinenutrition.org/content/assessment-monitoring-systems-management-severe-acute-malnutrition-northern-nigeria>

REFINE Search and Selection Criteria

Search Criteria for consideration for REFINE:

- **Condition:** malnutrition OR undernutrition OR stunting OR stunted OR wasting OR wasted
- **Intervention:** supplement OR food OR RUF OR RUTF LNS OR “nutrition program”

Selection Criteria for Inclusion in REFINE:

- **Interventions:** Those that use food assistance products, use foods that have been nutritionally enhanced, or study specific ingredients that are intended for use in food assistance.
- **Study population:** Restricted to those without chronic conditions that confound nutritional health (e.g., diabetes, HIV/AIDS, etc.)
- **Outcome measures:** Eligible studies report outcome measures including birth weight, weight gain, height gain, weight-for-age, height-for-age, weight-for-height/length, mid-upper arm circumference, lean body mass, recovery, mortality, default, nutritional intake, cognitive abilities, and product acceptability. Studies investigating the intergenerational effects of an intervention are considered if outcomes measures include wasted or stunted status of the participants, or body composition in addition to another measure of recovery.



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