

Multiple micronutrient fortification of salt with iron, iodine, B12 ,Folic acid, zinc and Vitamin A - Other food fortification - All population groups

Programme: Multiple micronutrient fortification of salt with iron, iodine, B12 ,Folic acid, zinc and Vitamin A

Programme Data

Programme Description

Social marketing of the multiple micronutrient fortified salt is ongoing in Dindigul district. In other areas, research studies have been conducted. In Kolkatta, the fortified salt is given free of cost to poor families in urban slums for the past 8 years. The multiple micronutrient fortified salt has been able to effectively combat multiple micronutrient deficiencies in all our research projects.

Program type

Community/sub-national

References

Peer-Reviewed Journal Articles 1. Malavika VinodKumar and S. Rajagopalan. Efficacy of fortification of school meals with ferrous glycine phosphate and riboflavin against anemia and angular stomatitis in schoolchildren. Food and Nutrition Bulletin vol30 september 2009. 2. Malavika Vinod Kumar and S. Rajagopalan. Trial using multiple micronutrient food supplement and its effect on cognition. Indian Journal of Pediatrics, 2008 Jul;75(7):671-8. Epub 2008 Aug 21. 3. M. Vinodkumar, S. Rajagopalan. Multiple micronutrient fortification of salt. European journal of clinical Nutrition. Advance online publication, 19th December 2007; doi:10.1038/sj.ejcn.1602955. 4. Malavika Vinodkumar and Srinivasa Rajagopalan. Multiple micronutrient fortification of salt and its effect on cognition on Chennai school children. Asia Pacific Journal of clinical nutrition. 2007;16(3):505-511. 5. Malavika Vinodkumar, S Rajagopalan, IP Bhagwat, Sanjay Singh, Bipinkumar S Parmar, Om Prakash Mishra, Shyam Sundar Upadhyay, N.B. Bhalia, Shailesh R Deshpande. A multicenter community study on the efficacy of double fortified salt. Food and Nutrition Bulletin vol28, no1,2007:100-108. 6. Malavika Vinodkumar and S Rajagopalan Impact of a multiple-micronutrient food supplement on the nutritional status of school children. Food and Nutrition Bulletin vol27, no3,2006:203-210. 7. S. Rajagopalan and Malavika Vinodkumar. Effects of salt fortified with iron and iodine on the hemoglobin levels and productivity of tea pluckers. Food and Nutrition Bulletin. Vol21, no3,2000:323-329. 8. Malavika Vinodkumar, Juergen G. Erhardt, S. Rajagopalan. Impact of a Multiple-micronutrient Fortified Salt on the Nutritional Status and Memory of Schoolchildren. Int. J. Vitam. Nutr. Res., 79 (5), 2009,348-361. DOI 10.1024/0300-9831.79.5.348. website: www.sundarserendipityfoundation.org

Implementing organisations

Action data

Start date	
Country(ies):	India
Status:	On-going
Area:	Rural Peri-urban
Place:	State- Tamilnadu, district Virudhnagar, Dindigul, Valparai, State- AndhraPradesh, Karnataka, Gujarat, MadhyaPradesh, WestBengal-Kolkatta
Topic:	Other food fortification
Target group:	All population groups
Delivery:	Community-based
Implementation details :	Daily use during cooking for the whole family
Target population size :	communities
Coverage level (%):	miniscule

Outcome indicator(s): hemoglobin,serum vit A, serum vitamin E serum B12, serum folic acid ,serum B12

M&E system: hemoglobin,serum vit A, serum vitamin E serum B12, serum folic acid ,serum B12 significantly improved when the multiple micronutrient food supplement was used over 6-8 months

Post-intervention: Significant improvement of hemoglobin,serum vit A, serum vitamin E serum B12, serum folic acid ,serum B12 significantly improved when the multiple micronutrient food supplement was used over 6-8 months

Outcome reported by social determinants: Vulnerable groups

Typical problems Solutions

Other actions from same programme

Multiple micronutrient fortification of salt with iron, iodine, B12 ,Folic acid, zinc and Vitamin A - Condiment and seasonings' fortification - All population groups