

SCN Working Group on Micronutrients: Information Sharing Template for 2006 and Earlier Activities

Table 1: Demographic Information

Reporting Individual	Laila Hussein
Institution/Organization	National Research Center (Egypt)
Contact address (Email)	egcairouw@yahoo.com
Position	Professor
Department/Section	Nutrition and Food Sciences
Major focus of activities	Research, Programming/Interventions
Summary of Activities	Assessing the biochemical vitamin B12 and folic acid status throughout the life cycle from birth to adulthood among pregnant women at delivery. The role of nutritional intervention with probiotic in yogurt matrix on the alleviation of the vitamin deficiencies.

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Table 2: Measurement, assessment, monitoring and reporting micronutrient deficiencies

Geographic area(s) covered by this table	Community Sohag – Upper Egypt Neonates and their mothers – El Azhar University hospital-Bab El-Sheiriya-Cairo School children attending primary schools- Mansheyat Nassir- Cairo														
Project Name	The effect of clean environment and Supplementation with micronutrients on reducing morbidities among Egyptian children in deprived areas.														
Supporting Agencies	British Council – Cairo Office														
Approximate # of beneficiaries	500 , subsampling for the nutritional intervention +biochemical assays														
	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
Activities															
Prevalence Assessment		X	X				X								
Earlier activities	X	X	X	X	X	X	X	X		X	X		X		X
Analysis and Reporting	X	X	X	X	X	X	X	X		X	X		X		X

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Table 3: Food Fortification

Geographic area(s) covered by this table	Community Sohag – Upper Egypt														
Project Name	The effect of clean environment and Supplementation with micronutrients on reducing morbidities among Egyptian children in deprived areas.														
Supporting Agencies	British Council – Cairo Office														
Approximate # of subjects or beneficiaries for each project described	500 , subsampling for the nutritional intervention +biochemical assays														
	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
<u>Commodities</u>															
Yogurt		X	X				X								
<u>Activities</u>															
Operational Research		X	X				X								
Fortification Monitoring and Evaluation		X	X				X								
Quality Assurance/ Quality Control for fortified foods		X	X				X								
Fortification project size															
Efficacy Trials		X	X				X								
Community Effectiveness Trials		30	30				30								
Pilot Interventions	X					X									
Targeted Fortification															
Other targeted fortification activities (list)	X														

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Table 4: Vitamin and Mineral Supplementation

Geographic area(s) covered by this table (community, province, country, region)	(1) The New Valley governorate , The Dakla Oasis - Salt iodine (2) Giza governorate ; Embaba –rural community- Atries –vit A or/and Zinc														
Approximate # of subjects or beneficiaries for each project described	The New Valley, The Dakla Oasis ; 50 Households were given table salt iodinated with increasing concentrations of potassium iodate to provide 30 , 45 , 60 ppm iodine (2) Carrot jams in quantities adequate to feed the preschool child 30 gram daily for one month or ? pharmaceutical preparation containing vitamin A plus zinc														
	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
Activities															
Treatment Orientation															
Eradication of Helicobacter by the triple therapy															
Supplementation project size															
Supplement related Research						X									
Supplementation Targeted Groups															
<i>Children 6-24 months of age</i>						X									
<i>Children 2 – 5 yrs of age</i>						X									
<i>Children in school</i>		X											X		
<i>Elderly</i>															

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Table 5: Dietary Diversity to Improve Micronutrient Nutrition

Geographic area(s) covered by this table	Giza Governorate- Embaba – Atries rural community														
Supporting Agencies	National Research center														
Approximate # of subjects or beneficiaries for each project described	100 – preschool children														
	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
Activities															
<i>Dietary Policy and Advocacy</i>						X									
<i>Agricultural Initiatives</i>															
	Nutrition intervention with tomato juice as a source of polyphenols and lycopene														
	The nutritional intervention with tomato juice for three weeks increased the urinary excretion of total polyphenols among male adolescents														