

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

**Table 1: Demographic Information**

Name of Reporting Individual	Ann Tarini
Institution/Organization	Helen Keller International - Burkina Faso
Contact address (Email)	atarini@hki.org
Position	Country Director in Burkina Faso
Major focus of activities	Support to others, Research, Policy/Advocacy, Programming/Interventions
Summary of activities	We conducted two main projects addressing micronutrient deficiencies in 2006 : Project supporting vitamin A supplementation and school health project A fortification project just started end of 2006 with recruitment launch of acquisition process for fortification equipment for two industries in Burkina Faso

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

Geographic area(s) covered by this table	13 provinces for baseline study on health status and micronutrient deficiencies in schools children for school health and nutrition project														
Project Name	School Health and Nutrition Component of the 10yr Dev. Plan of the Ministry of Education														
Supporting Agencies	Ministry of Education (World Bank and other bilateral partners)														
Approximate # of beneficiaries	Approximately 500 000 pupils														
	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
<b>Activities</b>															
<b>Prevalence Assessment</b>		X				X									
	<p>A national survey was conducted in 13-randomly selected provinces. Ten schools were randomly selected from each province and data gathered on micronutrient deficiencies, parasitic infections and other health indices from 27 school children (9 from each lower grade classes) in each school (N = 3510). Hemoglobin (Hb) analyses were carried out using the Hemocue™ hemoglobinometer and serum retinol levels were determined using High Performance Liquid Chromatography. On average 40.5% of children in schools were anemic with 34.7% mildly (Hb. 10 – 12g/dL), 5.2% moderately (Hb. 7 – 10g/dL), and 0.2% (<b>Hb. &lt; 0.7g/dL</b>) <b>severely anemic</b>. 43.8% of children have low serum retinol levels.</p>														
<b>Training/Capacity Building</b>	X	X				X									
	<p>A training module on nutrition for health workers was developed in 2006 and is going to be validated early 2007.  A training module for school health including module on vitamin A deficiency, anemia and iodine deficiency were developed during the year 2006. Training of teachers in the 25 provinces of selected schools in the school health project started in 2006.</p>														
<b>Analysis and Reporting</b>						X									
	<p>First passage of vitamin A supplementation campaign was conducted from June to August 2006. National report shows coverage of 100%.</p>														

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**Table 3: Food Fortification**

Geographic area(s) covered by this table	National														
Project Name	Vitamin A fortification of cotton seed oil in Burkina Faso														
Supporting Agencies	Taiwanese cooperation and Dell foundation														
	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
<b>Commodities</b>															
<b>Cooking Oil</b>						X									
<b>Activities:</b> Submitted proposals to Michael and Susan Dell Foundation and the Taiwanese Government for funding of fortification activities in Burkina Faso. Grant were received from the MSDF to begin fortification of vegetable oil in Burkina Faso. Equipment needs were assessed in the later part of 2006 and bids submitted for equipment supply and installation. Activities are now underway to secure and install equipment and begin actual fortification of vegetable oil with vitamin A in Burkina Faso.															
<b>Policy and Advocacy</b>						X									
HKI Burkina Faso is host to Regional Fortification Initiative for Francophone West Africa and work in close collaboration with the Government of Burkina Faso, the French Monetary Zone of West Africa (UEMOA), the West Africa Health Organization to advocate for food fortification.															
<b>Provision of Fortification Equipment</b>						X									
Call for Bids were submitted for the supply and installation of fortification equipment for two industries earmarked for fortification of vegetable oil with vitamin A.															
<b>Fortification Monitoring and Evaluation</b>						X									
Monitoring and Evaluation frameworks is currently being developed for vitamin A fortification of vegetable oil in Burkina Faso															
<b>Fortification project size</b>															
<b>National/Regional Program</b>						X									
HKI Burkina Faso is part of the Regional Initiative for Vitamin A fortification of vegetable oil for Francophone West Africa and plays a key role in the National Alliance for Food Fortification (NAFF) for Burkina Faso.															
<b>Targeted Fortification</b>															
<b>Other targeted fortification activities (list)</b>						X									
Industrially processed vegetable oil (cotton seed oil)															

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<b>Table 4: Vitamin and Mineral Supplementation</b>															
Geographic area(s) covered by this table	National														
Project Name	High and Sustained Vitamin A supplementation + for Child Survival in the Sahel														
Supporting Agencies	MI														
Approximate # of subjects or beneficiaries for each project described	3,600,000														
	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
<b>Activities</b>															
<b>Prevention Program</b>						X									
Support vitamin A supplementation for children 6 to 59 months twice yearly in collaboration with UNICEF and other partners. HKI Burkina also support vitamin A supplementation of post-partum women.															
<b>Treatment Orientation</b>						X									
In the campaign for vitamin A fortification, vitamin A deficiencies are treated along side supplementation															
<b>Supplementation project size</b>															
<b>National/Regional Program</b>						X									
There is a national program which stipulates that vitamin A supplementation should be undertaken twice annually and the Government of Burkina Faso will sustain this process in subsequent years.															
<b>Supplement's Primary Distribution</b>															
<b>Supplementation Monitoring/Evaluation</b>						X									
A survey was conducted two weeks after the last VAS campaign held in November 2005 to evaluate the real coverage with vitamin A supplementation during Vaccination campaign. A total of 1,931 households were randomly selected from 16 health districts. These health districts were also randomly selected from 8 health regions out of 13. Data were collected through interviews of mothers or caregivers of children 6 to 59 months old. The results reveal that, on average, 97% of children aged 6 to 59 months were supplemented with vitamin A during the last campaign. Coverage varied by district from 95% to 99%. These results differ from those obtained during NIDs which report a global coverage of 103% for the same 8 health regions and which varied from 101% to 106%. The first draft of the report was made available during 2006.															
<b>Supplementation Targeted Groups</b>															



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**Table 5: Dietary Diversity to Improve Micronutrient Nutrition**

Geographic area(s) covered by this table	Eastern Region of Burkina Faso														
Project Name	Vit. A Burkina, School Health and Nutrition Component of the 10yr Dev. Plan of the Ministry of Education. Integrated Gardening and Trachoma Control Project														
Supporting Agencies	Taiwan Government, World Bank, McNight Foundation,														
Approximate # of subjects or beneficiaries for each project described	200,000														
	<b>Micronutrients</b>														
	<b>Iodine</b>	<b>Iron</b>	<b>Folate</b>	<b>Zinc</b>	<b>Calcium</b>	<b>Vit A</b>	<b>Vit B-12</b>	<b>Vit C</b>	<b>Vit D</b>	<b>Vit B-1</b>	<b>Vit B-2</b>	<b>Vit B-3</b>	<b>Vit B-6</b>	<b>Vit K</b>	<b>Vit E</b>
<b>Activities</b>															
<b>Dietary Policy and Advocacy</b>	X	X				X									
Advocacy is undertaken during nutrition training that include dietary diversification on the nutrients indicated															
<b>Agricultural Initiatives</b>															
<b>Crop breeding</b>						X									
Promotion on the breeding and multiplication of orange fleshed sweet potatoes , mangoes, pawpaw, carrots, pumpkins and green leafy vegetables which are rich in vitamin A pre-cursors and other micronutrient.															
<b>Home Gardens</b>						X									
Promotion of home, school and community gardening of micronutrient rich foods															
<b>Agricultural Extension Activities</b>						X									
HKI extension officers (Agronomists) support farmers on the cultivation of micronutrient rich foods especially orange fleshed sweet potatoes															
<b>Promotion of improved diet</b>	X	X				X									
<b>Other areas using diet improvement to improve micronutrient nutrition</b>	X	X				X									
Training and promotion of good breast feeding practices and improved nutrition with focus on vitamin A, iron and iodine															

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**Table 6: Other Public Health Intervention Links**

	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
<b>Activities</b>															
<b>School Nutrition/Health Programs</b>	X	X				X									
<p>In 2006, HKI Burkina in collaboration with Catholic Relief Services and Community Development Foundation NGO started school health nutrition program in all primary schools of 25 out of 45 provinces of Burkina Faso. This program includes nutrition education, de-worming, iron supplementation for 15-weeks, vitamin A supplementation and gardening activities as well as hygiene promotion.</p>															