



UNICEF/ Headquarters

SCN Working Group on Micronutrients: Information Sharing Template for 2005 and Earlier Activities

Table 1: Demographic Information

Institution/Organization	UNICEF HQ
Department/Section	Nutrition Unit

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

<u>Geographic area(s) covered by this table</u> (community, province, country, region)	Global
<u>Supporting Agencies (if relevant)</u>	UNICEF, WHO and Network for Sustained Elimination of Iodine Deficiency
<u>Approximate # of beneficiaries</u>	147 countries

Activities	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

Prevalence Assessment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>									
<p>The database consisted of coverage of household iodized salt consumption, total goiter rate and urinary iodine concentration</p> <p>The database consists of vitamin A capsule coverage</p> <p>The Supply Division keeps a record of iron/folic acid supplements supplied to countries (far less than calculated needs)</p>															

Training/Capacity Building	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
Part of UNICEF country activities at all levels															

Monitoring and Evaluation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>									
Commitment to (re)assess national progress is evident (assessment of progress is undertaken at least every 5 years)															

Fortification Monitoring and Evaluation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																	
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Households Iodized Salt Consumption is regularly monitored
Support in some countries for flour fortification

Quality Assurance/ Quality Control for fortified foods	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																	
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Salt Industry maintains quality assurance of iodized salt
Support in some countries for flour fortification

Table 4: Supplementation:

<u>Geographic area(s) covered by this table (community, province, country, region)</u>	<ul style="list-style-type: none"> ▪ Countries with low coverage of iodized salt (<20%) and salt iodization programme is not yet effectively implemented within the next 1-2 years, targeted especially to pregnant/lactating women and children aged 6-24 mo. ▪ Specific geographic situation/community such as emergency, displaced people, and remote/isolated areas
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<u>Activities</u>	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

Prevention Program

Vitamin A: UNICEF supports supplementation for children 6-59 months in approximately 80 countries through the supply of capsules, technical oversight and monitoring/evaluation. Global coverage with at least one dose reached 61% in 2003, the most recent year for which data are available, with an estimated 52% of children fully protected by two annual doses. Twenty-two countries delivered two rounds of vitamin A with 70% or greater coverage for both rounds in 2003.

Treatment Orientation	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>													
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Iodine: Supplementation is considered as an alternative treatment under specific circumstances:

- Countries with low coverage of iodized salt (<20%) and salt iodization programme is not yet effectively implemented within the next 1-2 years, targeted especially to pregnant/lactating

women and children aged 6-24 mo.

- Specific geographic situation/community such as emergency, displaced people, and remote/isolated areas.

Zinc: concerned at this point with treatment of diarrhoea only

Vitamin A: support for treatment of measles, severe malnutrition and clinical signs of vitamin A deficiency.

Multimicronutrients: WHO/UNICEF and WHO/WFP/UNICEF have approved guidelines for a) supplementation of HIV+ women and b) supplementation of reproductive age women and infants/young children in emergencies, respectively. Two multi-agency meetings are planned in 2006 to decide on policy and implementation implications.

Supplementation project size

Efficacy Trials

Multimicronutrients: UNICEF has supported multi-country trials, the results of which are now available. A preliminary review of trial results for pregnant and lactating women which showed that multiple micronutrient supplements have similar efficacy for improving hemoglobin levels as the currently recommended iron-folate supplement. A meta-analysis of the various trial results is underway with support of UNICEF, WHO and the SCN to provide definitive answers to inform policy decisions for ante-natal care.

Pilot Interventions

Multimicronutrients: Pediatric formulations in powder form (Sprinkles) have been piloted in Indonesia and are increasingly being considered by other countries as part of emergency response

Community Effectiveness Trials

Multimicronutrients

Emergency Area

Multimicronutrients: WHO/WFP/UNICEF issued joint statement in response to Tsunami emergency regarding the need to provide multiple vitamin and mineral supplements in emergencies; several 'emergency' countries, including Indonesia and Niger, have since initiated the distribution of multiple vitamin and mineral supplements to pregnant and lactating women; powder formulations for pediatric supplementation are also being piloted

Equipment/Supplies

Pregnant women	<input checked="" type="checkbox"/>														
Children 6-24 months of age	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>									
Vitamin A: targeted to children 6-11 months (100,000 IU) and children 12-59 months (200,000IU); limited number of countries also target children outside of this age range															

Table 6: Other Public Health Intervention Links:

Activities	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
Hookworm Control						<input checked="" type="checkbox"/>									
Deworming is increasingly linked with vitamin A supplementation and other child survival interventions; such integrated delivery mechanisms are a major focus of UNICEF's health and nutrition strategy. Approximately 30 countries have linked deworming with vitamin A to date, with significant progress in West and Central Africa.															
Malaria Prevention and Control						<input checked="" type="checkbox"/>									
Integrated child health packages in several African countries have linked vitamin A supplementation with the distribution or retreatment of bednets.															
Polio/Immunizations						<input checked="" type="checkbox"/>									
Where National Immunization Days are still being carried out, they remain the primary distribution mechanism for vitamin A supplements.															
School Nutrition/Health Programs	<input checked="" type="checkbox"/>														
Iodine: Integration of IDD and/ USI as part of the primary/secondary school curriculum in some countries. Vitamin A: Most targeted countries have integrated the delivery of supplements into routine services; however, distinct campaign-style events are still the primary delivery mechanism, most often linked with other child health interventions. While the addition of supplementation to National Immunization Days for polio eradication remains an important strategy, countries have successfully shifted to other opportunities such as child health days, measles campaigns and micronutrient events.															