

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

**Table 1: Demographic Information**

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Institution/Organization	UNICEF/MYANMAR
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Position	Chief, Project Officer and Assistant Project Officer (Nutrition)
Department/Section	Health and Nutrition Section
Summary of activities	<ol style="list-style-type: none"> <li>1. Elimination of Iodine deficiency disorders</li> <li>2. Reducing of Iron Deficiency Anaemia</li> <li>3. Integrated Deworming Campaign</li> <li>4. Elimination of Vitamin A Deficiency</li> <li>5. Prevention and Control of Infantile Beriberi</li> </ol>

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

Geographic area(s) covered by this table	Myanmar
Project Name	Nutrition Project
Supporting Agencies	UNICEF
Approximate # of beneficiaries	<p>Iodine: All population (56 million)</p> <p>Iron/folate: 4.5 million under 3 children 1.5 million pregnant women 0.18 million adolescent school girls</p> <p>Deworming: 2.9 million (2-4 years old children) 3.6 million (5-9 years old school children) 0.6 million (5-9 years old out of school children) 1 million pregnant women</p> <p>Vitamin A: 6 million children under 5</p> <p>Vitamin B1: 1 million pregnant and lactating mothers 40,000 infants</p>

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	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	X			X				X					
1. Urinary Iodine Excretion Survey (1999, 2001,2003-04 and 2006) 2. Iodized Salt consumption survey (2004, 2006) 3. Goiter Survey (1994, 1997, 2000 and 2004) 4. Haemoglobin surveys (2001, 2002, 2003) 5. Serum vitamin A survey (2000) 6. Multiple Indicator Cluster Survey (1997, 2000, 2003) 7. Micronutrient survey (iodine, iron vitamin A and deworming) (2004-2005)															
<b>Training/Capacity Building</b>	X	X	X			X				X					
Capacity building of basic health staffs Capacity building of community based organizations Capacity building of community															
<b>Monitoring and Evaluation</b>	X	X	X			X				X					
Regular monitoring of iodized salt consumption, iodine content at factory and household levels Regular monitoring of iron supplementation for adolescent school girls Biannual monitoring of vitamin A supplementation Infantile Beriberi surveillance (2005 and 2006)															
<b>Analysis and Reporting</b>	X	X	X			X				X					

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**Table 3: Food Fortification**

Geographic area(s) covered by this table	Country (MYAMAR)														
Project Name	Nutrition Project														
Supporting Agencies	UNICEF														
Approximate # of subjects or beneficiaries for each project described	Iodine: All population (56 million)														
	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><u>Commodities</u></b>															
<b>Salt</b>	X														
<b><u>Activities</u></b>															
<b><i>Policy and Advocacy</i></b>															
<p>1967: National Goiter Control Committee was formed.</p> <p>1991: Central Committee for Control of IDD (CCCIDD) was formed</p> <p>1997: Universal Salt Iodization was adopted as single long-term strategy by the 24<sup>th</sup>. National Health Committee</p> <p>1998: Regulation for iodization of all salt for human and animal consumption</p> <p>2001: Central Committee for Elimination of IDD (CCEIDD) was formed.</p>															
<b><i>Communication Support</i></b>	x														
<p>Variety of IEC materials (printed and mass media) were produced and distributed all over the country.</p> <p>Nutrition Promotion Week campaign every September</p>															
<b><i>Provision of Fortification Equipment</i></b>	X														
Provided iodine fortification equipment to the salt factories through Myanmar Salt and Marine Chemicals Enterprise, Ministry of Mines															
<b><i>Provision of Fortification Supplies</i></b>	X														
<p>Free supply of potassium Iodate (KIO3) until 2000</p> <p>Subsidized after 2000 for fortification of salt.</p>															
<b><i>Fortification Monitoring and Evaluation</i></b>	X														
Regular monitoring (internal and external) of fortification was done at production site. (Salt factories)															
<b><i>Quality Assurance/ Quality Control</i></b>	X														
It is the national regulation for iodization of all salt for human and animal consumption															

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**Table 4: Vitamin and Mineral Supplementation**

Geographic area(s) covered by this table	Myanmar														
Project Name	Nutrition														
Supporting Agencies	UNICEF														
Approximate # of subjects or beneficiaries for each project described	Iodine: All population (56 million) Iron/folate: 4.5 million under 3 children 1.5 million pregnant women 0.18 million adolescent school girls Deworming: 2.9 million (2-4 years old children) 3.6 million (5-9 years old school children) 0.6 million (5-9 years old out of school children) 1 million pregnant women Vitamin A: 6 million children under 5														
	<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>Prevention Program</b>		X	X			X									
1. Iron/folate - Daily supplement of iron/folate tablet for 6 months (180 tablets for each pregnancy) - Supplement iron to children between 6-36 months 2. Vitamin A - Supplementation of high potency vitamin A (March and September) to children between 6 months to 59 months - Supplementation of high potency vitamin A to post partum lactating women															
<b>Treatment Orientation</b>															

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1. Anaemia prevalence in MYANMAR is

- 65% in preschool children (Multimicronutrient survey 2005)
- More than 80% in under-two children(Multimicronutrient survey 2005)
- 45% among non-pregnant women in child-bearing age (Multimicronutrient survey 2005)

Therefore supplementation of Iron/folate for these groups is also for treatment orientation.

2. For Vitamin A deficiency, high dose vitamin was given for the treatment orientation.  
 Children with clinical signs and symptoms of vitamin A deficiency are treated with therapeutic doses of vitamin A of 100,000 and 200,000 IU for under ones and over ones respectively.

<b>Supplementation project size</b>															
<b>National/Regional Program</b>		X	X			X									
<b>Supplement's Primary Distribution</b>															
<b>Through Public Channels</b>		X	X			X									
<b>Supplementation Monitoring/Evaluation</b>		X	X			X									
Regular monitoring and evaluation was done.															
<b>Supplement related Research</b>		X	X			X									
<b>Supplementation Targeted Groups</b>															
<b>Pregnant women</b>		X	X												
<b>Children 6-24 months of age</b>		X				X									
<b>Children 2 – 5 yrs of age</b>		X				X									
<b>Children in school</b>		X	X												

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

Geographic area(s) covered by this table	Myanmar														
Project Name	Nutrition Project														
Supporting Agencies	UNICEF														
Approximate # of subjects or beneficiaries for each project described	Iodine: All population (56 million) Iron/folate: 4.5 million under 3 children 1.5 million pregnant women 0.18 million adolescent school girls Deworming: 2.9 million (2-4 years old children) 3.6 million (5-9 years old school children) 0.6 million (5-9 years old out of school children) 1 million pregnant women Vitamin A: 6 million children under 5														
	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>Promotion of improved diet</i>	X	X	X			X								
		IEC	IEC	IEC			IEC								

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

Geographic area(s) covered by this table	Country (MYANMAR)														
Project Name	Nutrition														
Supporting Agencies	UNICEF														
Approximate # of beneficiaries	Iodine: All population (56 million) Iron/folate: 4.5 million under 3 children 1.5 million pregnant women 0.18 million adolescent school girls Deworming: 2.9 million (2-4 years old children) 3.6 million (5-9 years old school children) 0.6 million (5-9 years old out of school children) 1 million pregnant women Vitamin A: 6 million children under 5														
	<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>Hookworm Control</b>		X													
Integrated deworming campaign was launched in 2006. Twice a year (July and December) for all children between 2-9 years and once a year for pregnant women during second or third trimesters.  Programme monitoring will be based dually on the reports received from the Township Medical Officer, and from staff of the national programmes involved (School Health Programme, National Nutrition Centre and Filariasis Programme).															
<b>Polio/Immunizations</b>						X									
Vitamin A supplementation was integrated with polio/immunization. It became nationwide and reached very high levels of coverage from the year 2000 onwards when the supplementation programme was linked to National Immunization Days (NIDs).															
<b>Safe Motherhood</b>		X	X												
Daily supplement of iron/folate tablet for six months (180 tablets for each pregnancy)															

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**Table 7: Other activities associated with each micronutrient(s)**

Geographic area(s) covered by this table	Myanmar														
Project Name	Nutrition														
Supporting Agencies	UNICEF														
Approximate # of subjects or beneficiaries for each project described	<p>Iodine: All population (56 million)</p> <p>Iron/folate: 4.5 million under 3 children 1.5 million pregnant women 0.18 million adolescent school girls</p> <p>Deworming: 2.9 million (2-4 years old children) 3.6 million (5-9 years old school children) 0.6 million (5-9 years old out of school children) 1 million pregnant women</p> <p>Vitamin A: 6 million children under 5</p>														
	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>Research</b>	X														
<ol style="list-style-type: none"> <li>1. Urinary Iodine Excretion Survey (1999, 2001, 2003-04 and 2006)</li> <li>2. Iodized Salt consumption survey (2004, 2006)</li> <li>3. Goiter Survey (1994, 1997, 2000 and 2004)</li> <li>4. Haemoglobin surveys (2001, 2002, 2003)</li> <li>5. Serum vitamin A survey (2000)</li> <li>6. Multiple Indicator Cluster Survey (1997, 2000, 2003)</li> <li>7. Micronutrient survey (iodine, iron vitamin A and deworming) (2004-2005)</li> </ol>															