

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

Table 1: Demographic Information

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Position	Senior Sector Specialist – Nutrition & Health
Department/Section	Nutrition & Health Team
Major focus of activities	Programming/Interventions
Summary of activities	<p>Mongolia – In order to improve the health and nutrition status of young children and pregnant & lactating women in Mongolia, an integrated health & nutrition program was launched by World Vision Mongolia in 2000 to address vitamin D deficiency & iron deficiency among these population groups. Program interventions include: home-based fortification using Sprinkles for children 6-35 months of age; treatment of anemia and rickets in children 36-59 months of age using iron and vitamin D supplements; iron/folic acid supplementation to pregnant and lactating women; social marketing; community-based nutrition education; capacity building of medical personnel and advocacy. The program commenced in 2000 and activities are on-going.</p>

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

Geographic area(s) covered by this table	Mongolia														
Project Name (if relevant)	Nutrition Programme														
Supporting Agencies (if relevant)	World Vision Mongolia														
	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						
<p>Baseline surveys were conducted in 2000 and 2001, prior to the initiation of program activities in two regions:</p> <ul style="list-style-type: none"> • Region 1 (Central Bulgan, Ulaanbaatar) <ul style="list-style-type: none"> ○ prevalence of anaemia (Hb <11.5 g/dl) in children 6-59 months 43.0% ○ prevalence of vitamin D deficiency (clinical signs) in children 6-59 months, 36.0% • Region 2 (Outer Bulgan, Erdenet & Dundgobi) <ul style="list-style-type: none"> ○ Prevalence of anaemia (Hb <11.5 g/dl) in children 6-59 months, 48% ○ Prevalence of vitamin D deficiency (clinical signs) in children 6-59 months, 24% <p>A baseline survey was conducted in 2005 in Ulaanbaatar (Chingeltei & Kahn-Uul districts)& Dornod to assess prevalence of key indicators prior expansion of the nutrition program to new areas</p> <ul style="list-style-type: none"> • Prevalence of anaemia (Hb <11.2 g/dl-altitude adjusted) in children 6-59 months <ul style="list-style-type: none"> ○ 30.1% (Chingelti district) ○ 34.2% (Khan-Uul district) ○ 23.2% (Dornod province) – (Hb <11.0 g/dl, not adjusted for altitude) 															

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Table 3: Food Fortification

Geographic area(s) covered by this table	Mongolia (Bulgan, Erdenet, Ulaanbaatar, Dundgobi, Selenge regions)														
Project Name	Nutrition Programme														
Supporting Agencies	World Vision Mongolia														
Approximate # of subjects or beneficiaries for each project described	19,865 children 6-35 months of age														
	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															
Fortification project size															
	Community Effectiveness Trials														
		x							x						
	<p>Evaluation - The effectiveness of the nutrition program, including home-based fortification was evaluated by comparing indicators from baseline (Region 1, 2000/ Region 2, 2001) and final (2003) household surveys. Cross-sectional design was used to collect data at pre and post intervention periods. The surveys included a household questionnaire, assessments of anthropometric measures and clinical indicators for anemia (hemoglobin concentration measured by Hemocue) and vitamin D deficiency. While program activities are on-going, no large scale evaluation has been conducted since 2003.</p> <p>Results of the Mongolia Nutrition program evaluation are reported in ‘Effectiveness of Home-Based Fortification with Sprinkles, in an integrated Nutrition Program to address rickets and anaemia’ – Draft report 2005.</p>														
Targeted Fortification															
	In-home fortification (complementary foods)														
		x	x	x		x		x	x						
	Home-based fortification of complementary foods in Mongolia using Sprinkles. Target group is children 6-35 months of age.														

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Table 4: Vitamin and Mineral Supplementation

Geographic area(s) covered by this table	Mongolia (Bulgan, Erdenet, Ulaanbaatar, Dundgobi, Selenge regions)														
Supporting Agencies	World Vision Mongolia														
Approximate # of subjects or beneficiaries for each project described	13,935 children 36-59 months, 8,049 Pregnant/Lactating women														
	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															
Prevention Program		x	x						x						
Iron/Folate - Prevention of iron deficiency in pregnant and lactating women Vitamin D - supplementation in accordance with National Policy, 50,000IU/month, October to May during 3 rd trimester of pregnancy.															
Treatment Orientation		x	x						x						
Iron - Treatment of iron deficiency in children 36-59 months of age Vitamin D – Treatment of vitamin D deficiency 50,000 IU, twice/week for seven doses															
Supplement's Primary Distribution															
Through Public Channels		x	x						x						
Two distribution channels are used in the Mongolia program. Supplements are provided both by Ministry of Health staff at clinics and by NGO staff. The distribution by NGO staff (nutrition workers) is especially important in rural areas. All supplements that were distributed are recorded on a household form that is kept by the family.															
Through NGOs		x	x						x						
See above															
Supplementation Monitoring/Evaluation															
Monitoring –supplement usage is monitored on a monthly basis, at the household level during home visits by nutrition workers. The number of supplements distributed are recorded on a household form.															
Pregnant women		x	x						x						
Children 2 – 5 yrs of age		x	x						x						
Iron supplements are provided to deficient children aged 35-59 months of age. Vitamin D supplements are provided for deficiency children under 5 years of age.															

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Table 5: Dietary Diversity to Improve Micronutrient Nutrition

Geographic area(s) covered by this table	Mongolia														
Project Name	Poultry Production Nutrition Program														
Supporting Agencies	World Vision Mongolia														
Approximate # of subjects or beneficiaries for each project described	Poultry Production - 54 Households with children under 5 years of age Nutrition Program – 33,800 children 6-59 months, 8,049 Pregnant/Lactating women														
	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							x						
<i>Agricultural Initiatives</i>															
<i>Agricultural Extension Activities</i>		x													
Home-based production of poultry to improve household access to animal-source foods and to increase consumption of such foods especially among young children and women.															
<i>Promotion of improved diet</i>		x													
<p>Community nutrition training sessions are provided on a monthly basis. The sessions cover the following topics:</p> <ul style="list-style-type: none"> • Basic Nutrition • Prevention of vitamin D and iron deficiency • Hygiene and food safety • Food preparation and preservation • Nutrition for pregnant and lactating women • Infant Nutrition • Household budgeting and saving <p>To improve the nutrition knowledge and practice of health professionals, trainings are provided on a quarterly basis to Ministry of Health staff (family doctors)</p>															
<i>Other areas</i>		x								x					
Social Marketing - social marketing campaigns aim to increase public awareness, improve knowledge about nutritional issues and promote behaviour change.															

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Table 6: Other Public Health Intervention Links

Geographic area(s) covered by this table	Mongolia														
Supporting Agencies (if relevant)	World Vision Mongolia														
	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>Integrated Mgmt of Childhood Illness</i>		X							X						