



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

Table 1: Demographic Information

<u>Name of Reporting Individual</u>	<i>Mary Penny (MP), Hilary Creed-Kanashiro (HCK), Nelly Zavaleta (NZ), Reyna Liria (RL), Daniel Lopez de Romaña (DLR)</i>
<u>Institution/Organization</u>	<i>Instituto de Investigación Nutricional, Peru</i>
<u>Contact address (Email)</u>	mpenny@iin.sld.pe , hmcreeed@iin.sld.pe , nzavalet@iin.sld.pe , rliria@iin.sld.pe
<u>Position</u>	<i>M Penny (Investigator and Director), HM Creed-Kanashiro, N. Zavaleta, D. Lopez de Romaña (Senior Investigators), R Liria (investigator)</i>
<u>Department/Section</u>	<i>Research</i>

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

<u>Geographic area(s) covered by this table (community, province, country, region)</u>	<i>Periurban Lima (1 & 2), Trujillo, La Libertad (3)</i>
<u>Project Name</u>	<i>(1) Prevalence of copper deficiency in Lima (IIN:NZ, INTA: Manuel Olivares)</i>
<u>Supporting Agencies</u>	<i>Int Copper Association (ICA), subcontract INTA (Chile)</i>
<u>Approximate # of beneficiaries</u>	<i>200+ pregnant women, 250 children</i>
<u>Project Name</u>	<i>(2) Baseline evaluation of Anemia in Women of childbearing age and children 2-4 yrs (IIN:NZ, CENAN: Hernan Sanabria, Patricia Velardo)</i>
<u>Supporting Agencies</u>	<i>OPS/CDC</i>
<u>Approximate # of beneficiaries</u>	<i>415 women of childbearing age, 244 children 2-4 yrs</i>
<u>Project Name (if relevant)</u>	<i>(3) Validation of indicators to evaluate dietary quality (IIN: HCK,</i>

Institute is involved in advocacy for fortification of wheat flour with iron, folic acid and zinc														
Operational Research														
Fortification Monitoring and Evaluation														
Baseline evaluation of anemia in Lima mentioned above will be used to evaluate impact of national fortification program														
Targeted Fortification														
In-home fortification														
(1) Acceptability trials and development of field methodology to evaluate the absorption of iron from complementary foods with and without added meat, does meat enhance iron absorption? Lima periurban. IIN (RL) Cornell (H Pachon) Funded by Cornell internal funds.														
Commercial complementary foods														
(1) Improved complementary food mixes with added multi-micronutrients and proteins. Periurban Lima. (IIN: NZ) Funded by ARLA Foods														
Other targeted fortification activities														
(1) Randomized controlled trial to compare morbidity, growth, appetite, body composition and micronutrient status in children receiving either a) micronutrient and zinc fortified complementary food with micronutrient supplement b) micronutrient fortified complementary food with micronutrient plus zinc supplement or b) fortified complementary food and micronutrient supplement (no added zinc). Periurban Trujillo, 350 children aged 6 months daily intervention for 6 months. IIN DLR & MP, UC Davis K.H. Brown, J Arsenault)														

Table 4: Supplementation:

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
Supplementation project size															
Efficacy Trials				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>		
(1) Randomized Clinical trial of Supplementation of nulliparous pregnant (<20 weeks) women with															

(2) Formative research followed by implementation of an intervention to promote micronutrient rich traditional foods. Rural Amazon – CENEPA district. IIN (HCK) McGill-CINE H Kuhnlein. Funded by CIHR

(3) Cluster randomized effectiveness study of an educational intervention through the health services to improve infant nutrition. Emphasis on dietary micronutrient quality. Periurban Trujillo. (IIN HCK & MP, JHU RE Black, L Caulfield) Funded by USAID)

(4) Micronutrient intake in the diet of infants and children between 6 to 36 mo and their mothers in a mining area: iron, calcium and zinc (HCK, RL & DLR). Part of a risk assessment study undertaken by Integral Consulting (R Schoof) funded by DOE RUN Co.

Table 6: Other Public Health Intervention Links:

	Micronutrients														
Activities	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
HIV/AIDS															

(1) Absorption of zinc in children with HIV/AIDS. (IIN: NZ, USDA: S Abrams)

Table 7: Any other activities associated with each micronutrient(s) that you/your organization are working on:

	Micronutrients														
Activities	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
Research															

(1) Randomized clinical trial of malt added complementary food to increase dietary intake and absorption of dietary zinc. Periurban Lima 350 children, (IIN: MP, Emory D Schroeder). Funded Thrasher Research Fund

(2) Long term follow-up of children aged 4 yrs whose mothers were randomized to supplements of zinc plus iron or iron alone during pregnancy. Periurban Lima, 200 children, (IIN: NZ, JHU L Caulfield) Funded by NIH

(3) Evaluation of the effect of iron status on cognitive function of children aged 12 months. Periurban Lima 540 children. (IIN: HCK, Purdue university: T Wachs) Funded by Nestle Foundation