

# MODULE 4

## MICRONUTRIENT MALNUTRITION

Part 1: Fact sheet

Part 2: Technical notes

Part 3: Trainer's guide

Part 4: Training resource list

**Harmonised Training Package (HTP):**  
Resource Material for Training on  
Nutrition in Emergencies. Version 2, 2011



## Acknowledgements

Numerous experts from many different organisations have been involved in writing the content of the HTP. Each module has been reviewed by a minimum of two reviewers from many of the academic institutions and operational agencies in the sector who have participated generously to ensure a high quality resource.

### Module 4: Micronutrient malnutrition

#### Version 2 (Current):

Lead author: Andrew Seal (UCL/CIHD)  
Editorial oversight: Carmel Dolan (NutritionWorks)  
Reviewers: Arnold Timmer (UNICEF)  
Contributors: Arnold Timmer (UNICEF)  
Luz Maria de Regil (WHO)

#### Version 1:

Lead author: Andrew Seal (UCL/ICH)  
Contributors: Carmel Dolan (NutritionWorks)  
Reviewers: Lisa Rogers (WHO)  
Saskia de Pee (WFP)

The HTP Version 2 (2011) was produced and published by the Emergency Nutrition Network (ENN)  
32, Leopold Street, Oxford, OX4 1PX, UK. Tel: +44(0)1865 324996/324997, email: [office@ennonline.net](mailto:office@ennonline.net)

The entire HTP is hosted on the UN Standing Committee on Nutrition (UNSCN) website  
[http://www.unscn.org/en/gnc\\_htp/](http://www.unscn.org/en/gnc_htp/)

For further information on the HTP Version 2, please write to Carmel Dolan, NutritionWorks ([www.nutritionworks.org.uk](http://www.nutritionworks.org.uk))  
at [cmadolan@aol.com](mailto:cmadolan@aol.com)

**Recommended citation:** *The Harmonised Training Package (HTP): Resource Material for Training on Nutrition in Emergencies, Version 2 (2011). NutritionWorks, Emergency Nutrition Network, Global Nutrition Cluster.*

ISBN: 978-1-908182-00-5



The technical update of the HTP to produce Version 2 (2011) was made possible through the generous support of the American people through the Office for Disaster Assistance (OFDA) of the United States Agency for International Development (USAID) under the Agreement No. GHN-A-00-08 -00,001 to the Emergency Nutrition Network entitled Strengthening Capacity to Respond to Emergencies in the Food Security and Nutrition Sectors. The content does not necessarily reflect the views of USAID or the United States.

## The Harmonised Training Package (HTP): Resource Material for Training on Nutrition in Emergencies

### What is the HTP?

The Harmonised Training Package: Resource Material for Training on Nutrition in Emergencies (the HTP) is a comprehensive documentation of the latest technical aspects of Nutrition in Emergencies (NiE). The word **Harmonised** reflects the pulling together of the latest technical policy and guidance, the word **Training** refers to its main application and the word **Package** refers to the bringing together of the subject matter into one place. It is organised as a set of modules by subject, each containing technical information, training exercises and a resource list for use in training course development.

The HTP is an initiative of the IASC Global Nutrition Cluster (GNC) and has been endorsed by the GNC and its member's agencies. In 2007, the IASC GNC commissioned the UK based partnership, NutritionWorks, to develop a training resource to facilitate capacity development in the NiE sector. HTP Version 1 was launched in 2008. HTP Version 2 update in 2010/11 was funded under an USAID OFDA grant to the UK based charity, the Emergency Nutrition Network (ENN). The update was undertaken in an ENN/NutritionWorks collaboration, with NutritionWorks responsible for overall coordination and editorial management, and editorial oversight and module production supported by the ENN.

### What the HTP is not

The HTP is not a ready-to-use training course. It cannot be used as an 'off the shelf' package; rather, it should be used as a resource package during a process of course development by experienced trainers.

### Who is the HTP for?

The HTP is a primarily a **resource for trainers** in the NiE sector and it can be used by individuals to increase their technical knowledge of the sector. It is designed to provide trainers from any implementing agency or academic institution with information from which to design and implement a training course according to the specific needs of the target audience, the length of time available for training and according to the training objectives. It is written in clear English and will be available in other languages in the future.

### How is the HTP organised?

The HTP is organized into four sections containing a total of 21 modules which can be used as stand-alone modules or as combined modules depending on the training needs.

#### Section 1: Introduction and concepts

1. Introduction to nutrition in emergencies
2. The humanitarian system: Roles, responsibilities and coordination
3. Understanding malnutrition
4. Micronutrient malnutrition
5. Causes of malnutrition

#### Section 2: Nutrition needs assessment and analysis

6. Measuring malnutrition: Individual assessment
7. Measuring malnutrition: Population assessment
8. Health assessment and the link with nutrition
9. Food security assessment and the link with nutrition
10. Nutrition information and surveillance systems

### **Section 3: Interventions to prevent and treat malnutrition**

11. General food distribution
12. Management of moderate acute malnutrition
13. Management of severe acute malnutrition
14. Micronutrient interventions
15. Health interventions
16. Livelihoods interventions
17. Infant and young child feeding
18. HIV/AIDS and nutrition
19. Working with communities in emergencies

### **Section 4: Monitoring, evaluation and accountability**

20. Monitoring and evaluation
21. Standards and accountability in humanitarian response

Each module contains 4 parts which have a specific purpose as follows:

**Part 1:** The Fact Sheet – provides an overview of the module’s topic and is designed for non-technical people to obtain a quick overview of the subject area.

**Part 2:** The Technical Notes – for trainers and trainees, provides detailed technical guidance on current policies and practice.

**Part 3:** The Trainers’ Guide – aims to help trainers develop a training course and provides tips and tools which can be adapted to the specific training context.

**Part 4:** Resources – lists of relevant available resources (including training materials) for the specific technical area.

## How to use the HTP

The HTP should be used during a process of course development. The process of course development involves a number of steps and these are summarised in the diagram below.



