



# Training Manual

## Training Providers on Packaging Nevirapine Oral Suspension Using the Nevirapine Infant-Dose Pouch

August 2006

## Acknowledgements and Copyright

These materials were developed at PATH with support from the US Agency for International Development (USAID) HealthTech program under Cooperative Agreement #GPH-A-00-01-00005-00 and with funding from the Sapling Foundation. The opinions expressed herein are those of the authors and do not necessarily reflect the views of USAID or the Sapling Foundation.

Copyright © 2006, Program for Appropriate Technology in Health (PATH). All rights reserved. The material in this document may be freely used and adapted for educational or noncommercial purposes, provided that the material is accompanied by an acknowledgement line.

For more information contact:

Adriane Berman  
PATH  
1455 NW Leary Way  
Seattle, WA 98107-5136  
USA  
Phone: 206-285-3500  
Fax: 206-285-6619  
Email: [aberman@path.org](mailto:aberman@path.org)  
Web: <http://www.path.org>



## Contents

1. Facilitator's Guide.....	1
2. Welcome and Introductions.....	2
3. Overview of the Nevirapine Infant-Dose Pouch.....	4
4. Packaging the Nevirapine Oral Suspension.....	5
5. Training Handouts.....	6
Handout 1. Nevirapine Infant-Dose Pouch Job Aid .....	7
Handout 2. Pouch Label Instructions in English and Kiswahili .....	8

## 1. Facilitator's Guide

### Purpose of This Training Manual

This training manual was developed to assist programs planning to introduce the nevirapine infant-dose pouch into prevention of mother-to-child transmission of HIV/AIDS (PMTCT) programs. This brief manual is intended for adaptation by programs and can be implemented by itself or integrated into ongoing training.

### Timing

A total of 100 minutes should be allotted for this training. Please watch the clock and follow the time allotments for each session.

- Welcome and introductions (30 min)
- Overview of the nevirapine infant-dose pouch (20 min)
- Packaging nevirapine oral suspension (50 min)

### Supplies

General supplies:

- Flip chart and pens
- Tape

Supplies for training activities:

- Index cards for introduction activity (1 per person)
- Basket for introduction activity
- Exacta-Med<sup>®\*</sup> oral dispensers and caps (2 per person)
- Nevirapine infant-dose pouches (2 per person)
- Cups of water for practicing with Exacta-Med oral dispensers (1 for every 2 people)

### Session Outline

Each session outline includes the following components where appropriate:

- Session objectives
- Content for the session
- Handout list
- Supply list
- Notes for the trainer

### Note for the Trainer

*Encourage the participants to ask questions.*

---

\* Exacta-Med oral dispensers are a registered trademark of Baxa Corporation, Englewood, Colorado.

## 2. Welcome and Introductions

### Session Objectives

- Inform the participants of the agenda and time expectations for the training (5 minutes).
- Introduce trainers and participants to each other (20 minutes).
- Review the objectives of the training with the participants (5 minutes).

### Agenda for this Training

- Welcome and introductions (30 min)
- Overview of the nevirapine infant-dose pouch (20 min)
- Packaging nevirapine oral suspension (50 min)

### Welcome

Official welcome address by trainers.

### Introductions

- Introduce trainers to the group.
- Conduct the icebreaker exercise and conduct activity. Details of the activity are on the following page.

### Training Objectives

- Inform PMTCT providers about the purpose of the nevirapine infant-dose pouch.
- Train PMTCT providers on how to package nevirapine oral suspension in an Exakta-Med dispenser and self-sealing foil pouch.
- Train PMTCT providers on how to dispense the nevirapine to HIV+ women.

### Handouts

None.

### Notes for the Trainer

- *Introduce trainers to the group.*
- *Describe icebreaker exercise and start the activity.*
- *Review objectives with the group.*
- *Ask if there are any objectives missing that participants hoped to achieve in the training.*
- *Add objectives to list if feasible or determine alternate way to address participant objectives through additional training or information.*
- *Let participants know time expectations.*

- *Before the training, write the words for the icebreaker exercise (listed below) on pieces of card and creatively cut each piece into two. Place the pieces in a basket for the participants to pick from as the exercise commences. In addition to breaking the ice, this exercise will enable the trainers to gauge the entry point of knowledge and may create the opportunity to clarify and/or consolidate knowledge.*
- *Display the instructions for the introduction activity on a flip chart.*

## **Icebreaker Activity (20 Minutes)**

### **Instructions for trainers:**

1. Write the words for the icebreaker on pieces of paper and cut each piece into two.
2. Place the pieces in a basket.
3. Have each participant take a piece of paper. Read the instructions below to participants.
4. After 10 minutes, bring everyone back for a plenary session for introductions.

Possible words for the exercise:

- PMTCT guidelines
- Nevirapine infant dose
- Nevirapine maternal dose
- Nevirapine packaging
- Antiretroviral therapy

### **Instructions for participants:**

1. Find the person who has the other piece of your card.
2. Sit together with your partner and discuss the meaning of the phrase in your card. Agree on a common definition.
3. Get to know each other (name, work, family, likes and dislikes, etc.).
4. Share you expectations of this training.
5. When you come back to the plenary session, you will be expected to introduce your partner including his/her expectation of the training. The definition of your word will also be put up on the flip chart.

### 3. Overview of the Nevirapine Infant-Dose Pouch

#### Session Objective

- To give participants a clear understanding of the nevirapine infant-dose pouch (20 minutes).

#### Current Practices for Dispensing Nevirapine (NVP) Syrup for Take-Home Use

Questions for group discussion:

- Please describe your current practices.
- What are the biggest challenges?
- What are possible solutions?

#### Packaging Improvement

The improvement to NVP syrup packaging that will be introduced in your facility is a medical-grade, self-adhesive sealing (hereafter referred to as self-sealing) foil laminate pouch specifically shaped and sized for the NVP-filled, 1-ml Exacta-Med dispenser (the oral-dosing syringe currently being donated as part of Boehringer-Ingelheim's [BI's] Viramune<sup>®</sup> donation program).

When used with the NVP syrup and the Exacta-Med dispenser, the self-sealing foil pouch will:

- Create a packaging solution that can be implemented at the PMTCT clinic level without requirements for additional equipment or power resources.
- Improve ease of use for PMTCT providers and HIV+ pregnant women.
- Provide increased protection for the infant dose while being transported and stored by the HIV+ pregnant woman until after her delivery.
- Increase the overall quality assurance for distribution of NVP syrup to HIV+ pregnant women prior to labor/delivery by standardizing packaging practices using known and validated designs.
- Ultimately increase the coverage of NVP syrup provided during antenatal care visits.

#### Notes for the Trainer

- *Write responses from group discussions on flip chart.*
- *Ask participants if there are any questions regarding pilot introduction plans.*

## 4. Packaging the Nevirapine Oral Suspension

### Session Objectives

- Train PMTCT providers on how to package nevirapine oral suspension in an Exacta-Med dispenser and self-sealing foil pouch (30 minutes).
- Train PMTCT providers on how to dispense the nevirapine to HIV+ women (20 minutes).

### Review Nevirapine Packaging Job Aid

- Distribute job aid (Handout 1) to participants.
- Distribute pouch label instructions (Handout 2) to the participants.
- Read through job aid with participants.
- Highlight important points for dispensing nevirapine:
  - Dose should be given immediately after birth or within 72 hours after birth.
  - Clarify what 72 hours means. Give an example: If woman gives birth at 9 a.m. on a Monday the dose should be given immediately to the baby and must be given before 9 a.m. on that Thursday.
  - If the woman intends to give birth in a health facility, she should bring the nevirapine with her.
  - Encourage the woman to return after giving birth for postpartum care.
- Ask the participants if there are any additions or questions.

### Practice

- Organize the participants in pairs.
- Distribute two Exacta-Med dispensers and self-sealing foil pouches to each pair of participants.
- Have them practice filling and pouching two dispensers each.
- Have them do a role play, each taking turns as the provider and the patient.
- Review observations with the group.

### Handouts

Handout 1. Nevirapine Infant-Dose Pouch Job Aid

Handout 2. Pouch Label Instructions in English and Kiswahili

### Notes for the Trainer

*Observe the role plays closely; identify points for clarification.*



## 5. Training Handouts

Two handouts have been developed for this training. They are listed below and attached on the following pages:

**Handout 1. Nevirapine Infant-Dose Pouch Job Aid**

**Handout 2. Pouch Label Instructions in English and Kiswahili**

## Handout 1. Nevirapine Infant-Dose Pouch Job Aid

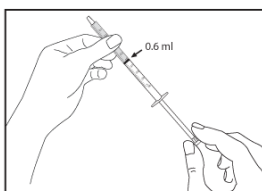
### Instructions for Health Workers: Nevirapine Infant-Dose Pouch

#### Counsel patient on nevirapine for PMTCT:

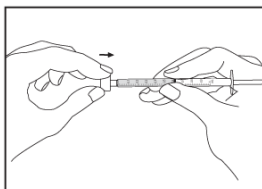
- ▶ Today you are being given nevirapine to take home.
- ▶ Nevirapine can help prevent transmission of HIV to your baby.
- ▶ Timing is important for taking the medication. If you deliver at home:
  - Tablet is for you to take when you go into labor.
  - Oral dose from the pouch should be given to the baby as soon as possible after birth or within 72 hours of delivery. (Please note to the woman that 72 hours is the equivalent of 3 days.)
- ▶ If you plan to deliver your baby at the health center, bring the tablet and the oral dose with you.

#### In view of the patient:

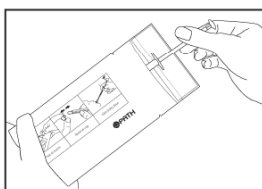
- 1** Fill oral dosing syringe with 0.6 ml of nevirapine oral suspension.



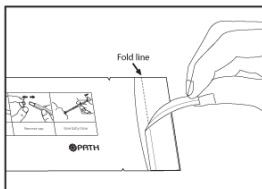
- 2** Place cap on tip and secure.



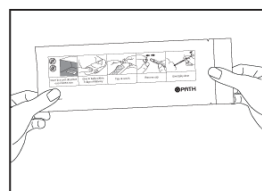
- 3** Place dispenser in the foil pouch.



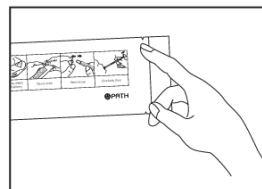
- 4** Remove the liner and fold the end at the fold line to seal the pouch.



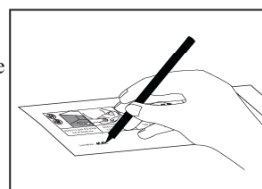
- 5** Review the pictorial instructions with the patient.



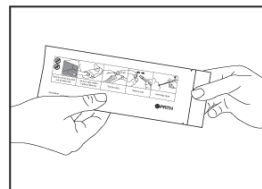
- 6** Show the tear point on the pouch.



- 7** Write the date two months from today (date dispensed) after "Use Before" and other information after "Note."



- 8** Give the pouch to the patient.



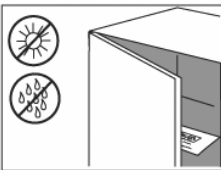

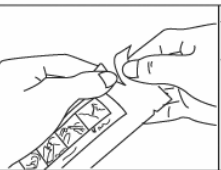
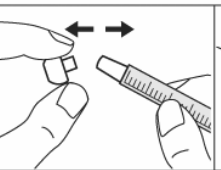
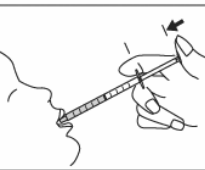


IMPROVED PACKAGING FOR  
INFANT-DOSE NEVIRAPINE

August 2006 abvp 24308.pdf

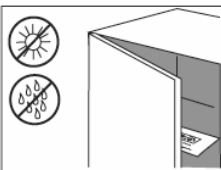

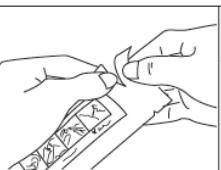
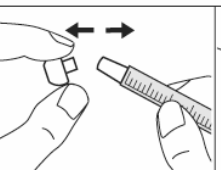
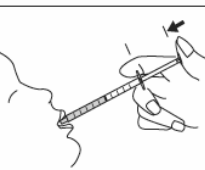





## Handout 2. Pouch Label Instructions in English and Kiswahili

### English Label

				
Store in a cool, dry place out of direct sun	Give to baby as soon as possible after birth or within 72 hrs of delivery	Tear at notch	Remove cap	Give baby all of the medicine
Use before : _____		 <b>USAID</b> FROM THE AMERICAN PEOPLE 		
Note : _____				

### Kiswahili Label

				
Weka pahali pasipo na joto, pasipo na maji wala jua kali	Mpe mtoto mara tu baada ya kuzaliwa ama kabla ya masaa 72 kupita	Pasua penye alama	Funua kifuniko	Mpe mtoto dawa yote
Tumia kabla : _____		 <b>USAID</b> KUTOKA KWA WATU WA MAREKANI  		
Kumbuka : _____				

abvp24308