

Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting

### Viewing Time

The program will take up to one hour to complete.

### Target Audience

This program is designed for primary care physicians.

Other health care professionals working with patients and their families may also find this program of interest.

### Faculty Disclosure

It is the policy of Children's Hospitals and Clinics of Minnesota to ensure balance, independence, objectivity, and scientific rigor in all its educational programs. Our faculty have been asked to disclose to our program audience any real or apparent conflicts of interest related to the content of their presentation. They have also been requested to let you know when any product mentioned in their presentation is not labeled for the use under discussion or is still under investigation.

### Faculty Disclosure

**Timothy Meade, MD, and Ntula Sinwinga, MD**, have disclosed no actual or potential conflict of interest in relation to this educational activity.

During this educational activity **Dr. Meade** and **Dr. Sinwinga** will not be discussing the use of any commercial or investigational product not approved for any purpose by the FDA.

### Challenges to Effective HIV Treatment for Orphans in Zambia, Resource Limited Setting

#### **Timothy Meade, MD**

Medical Director, Corpmed Medical Centre, Lusaka, Zambia

#### **Ntula Sinwinga, MD**

Clinical Director, Tiny Tim and Friends, Zambia

### Challenges to Effective HIV Treatment for Orphans in Zambia, Resource Limited Setting

*A lecture about treating pregnant women and children with HIV and other infectious diseases in the resource limited setting of Zambia, Africa.*

## Program Objectives

*Upon completion of this program, participants should be able to:*

- Inform participants of new developments in diagnosis and/or treatment of specific pediatric disease
- Review current state-of-the-art approaches to common pediatric problems
- Present new information about changes in pediatric illness and newly recognized conditions affecting children

## Disclaimer

Children's Hospitals and Clinics of Minnesota accepts no responsibility for the materials presented through these Grand Rounds seminars. Each professional host assumes all responsibility for maintaining confidentiality or obtaining authorization, in accordance with all applicable laws.

## Accreditation

Children's Hospitals and Clinics of Minnesota is accredited by the Minnesota Medical Association to provide continuing medical education for physicians. Children's Hospitals and Clinics of Minnesota designates this educational activity for a maximum of 1 AMA PRA Category 1 Credits™ toward the AMA Physician's Recognition Award. Each physician should only claim those credits that he/she actually spent in the activity.

## Receiving CME Credit


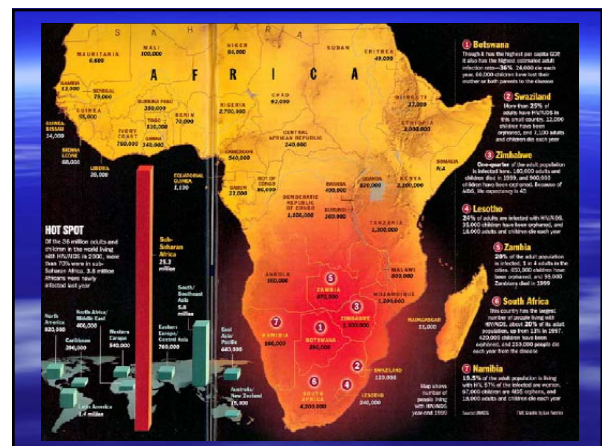
To receive CME credit you must view the entire program and complete the evaluation form at the end.

**Tiny Tim and Friends  
Zambia**

Dr. Tim Meade  
 Corpmed Medical Centre  
 Lusaka, Zambia

Tiny Tim and Friends  
[www.tinytimandfriends.org](http://www.tinytimandfriends.org)

All Photos used with signed consent.

Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting

### Tiny Tim and Friends

- Picture early Jon Hospice Day Care





### Jon Hospice now



### TTF Now

- Partnered with the MoH and CIDRZ;
- Screens 500 to 1000 OVC's per month;
- Enroll 20 –30 OVC's in TTF per month;
- Transfer 20 – 30 OVC's per month to public programs;



### TTF Now

- Rolling census of 200 OVC's;
- 6 Month;
- Adherence training, nutritional, educational and social support;



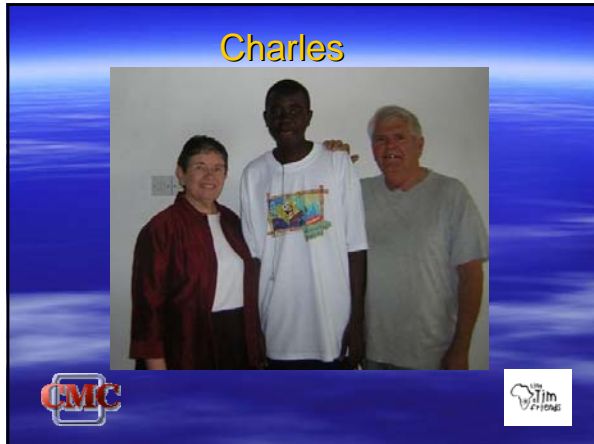
### TTF Zambia Team



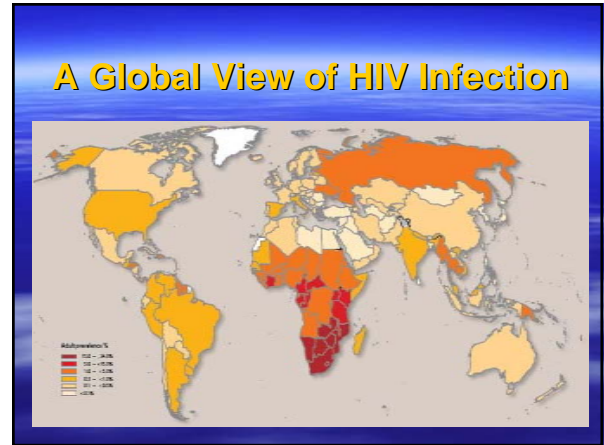
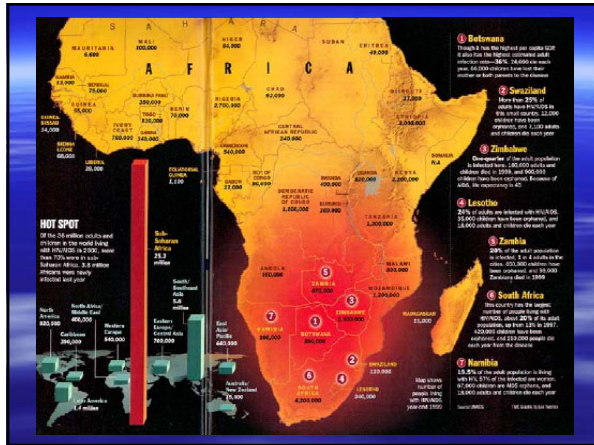
### Charles Age 11 CD4 400 cells



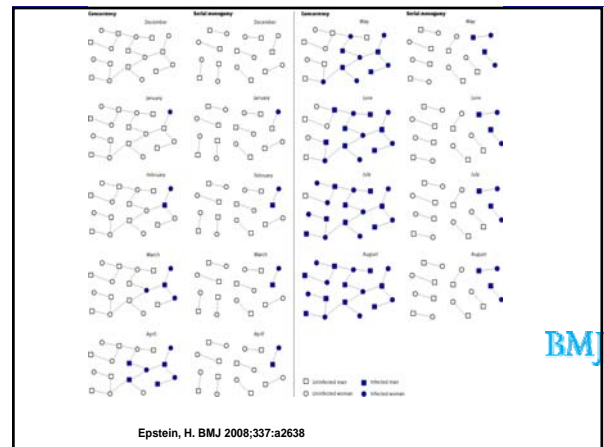
Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Timothy Meade, MD and Ntula Sinwinga, MD  
 Challenges to Effective HIV Treatment for Orphans in  
 Zambia, Resource Limited Setting



- Little Use of Condoms or Circumcision;
  - Herpes Simplex Virus;
  - Discordant Couples;
  - Concurrent vs. Serial Relationships;
  - Young girls and women powerless to negotiate
- 



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



The Numbers for Zambia

- 1,000,000 AIDS Orphans
- 100,000 are HIV infected.
- About 7,000 now on medicine.

CMC The Jim V. Pione

### Less than 18 months:

- Not practical to know if they are HIV infected;
- 60% mortality by age 2 years.
- DBS PCR now on line.



### WHO presumptive diagnosis of stage 4 clinical disease Can and should be made if:



An infant is HIV-antibody positive (ELISA or rapid test), aged under 18 months and symptomatic with two or more of the following:

- +/- oral thrush;
- +/- severe pneumonia
- +/- severe wasting/malnutrition
- +/- severe sepsis

Other factors that support the diagnosis of clinical stage 4 HIV infection in an HIV-seropositive infant are:

- recent HIV related maternal death
- advanced HIV disease in the mother.



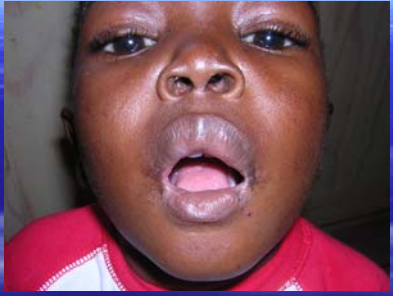
Confirmation of the diagnosis of HIV infection should be sought as soon as possible.





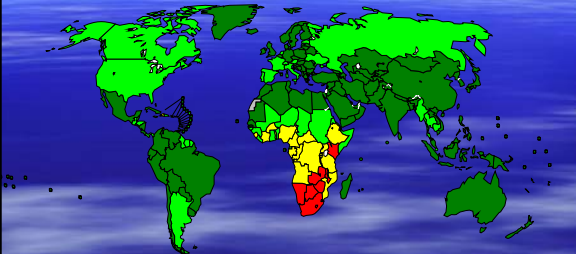
### Savior



### Savior



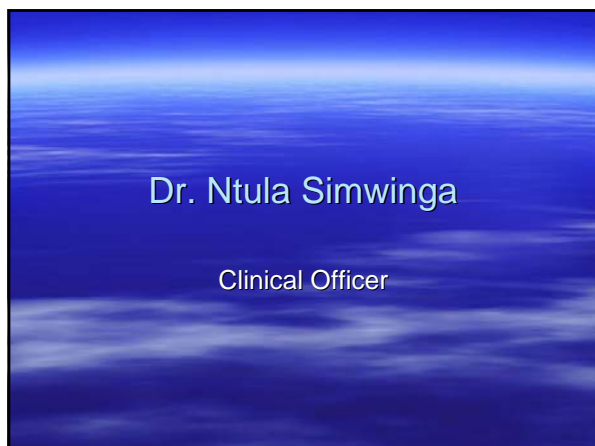
### A Global View of TB



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Linda and Kristin Sedgwick



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



Timothy Meade, MD and Ntula Sinwinga, MD  
Challenges to Effective HIV Treatment for Orphans in  
Zambia, Resource Limited Setting



### TT and F Goals 2009



- Regional role?
- Get 'em younger
- Develop locally generated revenue (sustainability)
- Continue to satisfy our donors

CMC The Tim Frame

### Research Opportunities


- Access to treatment vs. Degree of “closeness” of the caretaker.
- Adherence and Disclosure
- TB Parameters
- Learning Disabilities
- Stavudine
- PMTCT and MCH
- Feeding Program



[www.tinytimandfriends.org](http://www.tinytimandfriends.org)

## Comments and Questions

*Thanks for viewing  
this presentation!*



Medical Marketing & Education

*To receive CME credit, please click  
the CME Eval button below  
and complete the form.*