No Internet? No Problem!
Creative approaches to cost-effective e-learning delivery in resource-constrained settings

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“…eLearning is equivalent to, and perhaps even more effective than, traditional learning in terms of knowledge and skills gained.”

“…eLearning provides a convenient and possibly more cost-effective alternative to traditional learning.”

“It is a learning tool that has great potential in supporting capacity-building and competency-development in the health-care workforce globally.”
Percentage of households with Internet or computer, 2014

- **Southern Africa**: 12% (Internet) / 11% (Computers)
- **Eastern Africa**: 9% (Internet) / 8% (Computers)
- **HIE Countries**: 80% (Internet) / 81% (Computers)

Health Information Systems (3-week training)  
Pilot: June 2016

Clinical Medicine (2-year training)  
November 2014-March 2017

HIV Testing & Services (5-week training)  
Pilot: August-September 2016

Leaders in Organizations (12-week training)

PMTCT (5-week training)  
Pilot: July-August 2015

Mentor Learning Bank (job aid)  
Pilot: July-August 2015
HTS for Children and Adolescents

Welcome to the HIV Testing Services for Children and Adolescents training for Primary Counsellors. Keep in mind that everyone has their own style of counselling. Some of the questions that ask for you to list answers and then "compare" have responses that are examples of what correct responses could be. Participants may find that they have responses that are not listed but that does not mean they are wrong.

Program weekly schedule:

To get the most out of this training, we recommend that each week you complete:

- Tablet materials on Saturday, Sunday, Monday
- Practice skills at your worksite on Tuesday, Wednesday
- WhatsApp partner discussions on Thursday, Friday

Overview

Week 1
<table>
<thead>
<tr>
<th>Activity</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Podcast: Adherence</td>
<td>5 min</td>
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<tr>
<td>Check Your Knowledge: Adherence Counselling</td>
<td>15 min</td>
</tr>
<tr>
<td>Video: Soldier Game - Understanding Adherence</td>
<td>10 min</td>
</tr>
<tr>
<td>Case Study: Susan and Mary, Part 4</td>
<td>10 min</td>
</tr>
<tr>
<td>Video: Tanaka</td>
<td>5 min</td>
</tr>
<tr>
<td>Case Study: Chenai</td>
<td>15 min</td>
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</tbody>
</table>
Instructions

Complete the case to learn more about adherence counselling for adolescents.

Background

Tendai is a 17-year-old HIV positive adolescent who has been on ART since he was 12. He loves to hang out with his friends, staying out late and socializing. He has been known to drink alcohol with his friends. Clinic staff have seen him drunk. One staff member who lives in the same village as Tendai knows that his family is worried about his drinking and behaviour. Tendai’s mother has told this health care worker that she does not know what to do with him—he has changed and is “hard to manage”.

Tendai’s mother has told this health care worker that she does not know what to do with him—he has changed and is “hard to manage”.

1. What are the possible issues that Tendai may face with regards to adherence? Write your responses in your workbook and then click compare answer button.
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Some of the issues that Tendai may face include:

- Peer pressure to drink or use substances
- Not taking medication on time
- Forgetting to take medicines
- Unprotected sex/ STIs
- Non-disclosure to peers
A. Ask the clinic nurse to join you to make sure he has told her what he has shared with you about his alcohol use and oral and anal sex history.

B. Tell Tendai that you are grateful that he has shared his questions and concerns. Use open-ended questions to explore his alcohol use and possible unprotected sex.

C. Since he seems upset, tell him to come back to see you in a few days with his girlfriend.

D. Tell Tendai that you are concerned that he is not telling you everything about his sexual activity and remind him that the only way counselling will work is if he is truthful.
Questions

1. What are the key messages that come out of this video?

2. Tanaka talks about faith healers in a very strong way. How do you discuss adherence with your clients when they want to stop taking their medicine because of faith healers?
Partner Discussion (30 min)

Instructions

Using WhatsApp, send your response to the following discussion topic to your partner before midnight on Thursday. By midnight on Saturday, please post thoughtful responses to your partner's posts. To get credit, forward the discussion to the administrator before midnight on Sunday.

**Discussion Topic:** Looking back at this week's material:

1. Share one of the challenges that you face in counselling adolescents about adherence.
Health Information Systems
(3-week training)
Pilot: June 2016
- 95 participated
- 50 completed

Clinical Medicine
(2-year training)
November 2014-March 2017
- 63 participated
- 41 completed

HIV Testing & Services
(5-week training)
Pilot: August-September 2016
- 47 participated
- 43 completed

Leaders in Organizations
(12-week training)
Unknown

PMTCT
(5-week training)
Pilot: July-August 2015
- 39 participated
- 39 completed

Mentor Learning Bank
(job aid)
Pilot: July-August 2015
- 15 participated
- 15 completed
• Learner satisfaction
• Cost
• Ease of implementation
• Learner experience
This is a very good way of learning, hope trainers will train us more. I am very pleased and interesting in this learning.

—Pilot participant, Namibia

It is amazing, great, and user-friendly. I wish everyone could have one [tablet].

—Pilot participant, Zimbabwe

This modality of learning is quite amazing, our students can learn almost anything, wherever they are, at their own time and pace yet feel they are no less than the in-campus students.

—Dr. Fabian Mghanga, Tanzania
Health Information Systems (3-week training)
Cost per person
1 person $980 $437 \downarrow 56\%

HIV Testing & Services (5-week training)
Cost per person
1 person $775 $459 \downarrow 41\%

PMTCT (5-week training)
Cost per person
1 person $775 $459 \downarrow 41\%
5. Fill in the blank.

EMR systems support evidence-based decision making by increasing [type your answer] to data.

6. Fill in the blank.

Comparing the number of people immunized in one month to monthly targets is an example of turning data into [type your answer].

Probe more in psychosocial issues and involve the spouse.
Thank you!

- I-TECH
- I-TECH Zimbabwe
- I-TECH HIS
- I-TECH Tanzania
- Ministry of Defense, Namibia