

Educational Methodology

Train the Trainer is an educational methodology whereby key individuals transfer knowledge and skills to others. The underlying principle for using “Train the Trainer” is to empower dentists and dental auxiliaries who have caries prevention expertise to plan sustainable strategies to improve the oral health of children and adults who live in their countries. Train the Trainer enables those training the course to present workshops to teach proven dental caries prevention practices, and to facilitate collaboration to implement a community-based oral health plan. Healthcare workers, parents, teachers, and other community members would be the intended audience for these workshops.

The Train the Trainer Model is an intensive three-day, skill-development, interactive process that uses the following educational techniques:

- Explaining
- Demonstrating
- Discussing
- Questioning
- Modeling
- Collaborating

Instructors (to be determined)

Educational Resources

At the conclusion of the Train the Trainer, dentists and dental auxiliaries will have a written plan customized to meet their community’s unique needs. They will receive the tools to recruit community members. They will have a training manual and a CD that includes curriculum, presentations, and handouts to bring back with them to their communities.

Sustainability

Staff from the Gorgas Institute will have specific roles in Train the Trainer and these staff will support the people trained as they return to their communities to provide Community Workshops. The staff from Gorgas Institute will then be able to replicate Train the Trainer with new groups as needed.

Impact

The development of sustainable systems to prevent dental caries in seven Pan American countries will positively impact the oral health of all age groups. Additionally, having dentists and dental auxiliaries who are competent and confident to plan community-based programs and conduct training workshops create opportunities to improve the overall health in communities in the Region of the Americas.

Partners

The Workshop on Caries Prevention for Communities in the Region of the Americas was

Criteria for Train the Trainer

Participants from any country in the Americas. Individuals must be a Dentist or dental auxiliary working in public health, dental schools, or community settings and be in a position to influence oral health policy or funding.

Potential Participants (name of country)

Criteria for Community Workshops

Potential participants may include Individuals who work in schools, daycare centers, health programs, or other settings where they can implement caries prevention programs. Potential participants may also be community members who can influence oral health policy and funding.

Evaluation

Assessing training effectiveness of Train the Trainer will involve a four-level model developed by Donald Kirkpatrick (1994). Each successive level represents a more precise measure of the effectiveness of the training program. The evaluation will be provided by an external reviewer.

Level 1 Evaluation - Reactions

Just as the word implies, evaluation at this level measures how participants in a training program react to it. It attempts to answer questions regarding the participants' perceptions - Did they like it? Was the material relevant to their needs? Although a positive reaction does not guarantee learning, a negative reaction almost certainly reduces its possibility.

Written evaluation of the trainers' presentations, the educational methodology, and usefulness of the course content and materials will be collected and analyzed. The outcome of Level 1 evaluation will be to provide specific information for improving Train the Trainer.

Level 2 Evaluation - Learning

Assessing at this level moves the evaluation beyond learner satisfaction and attempts to assess the extent participants have advanced in skills, knowledge, or attitude. Pretest and post test assessment is a typical method to determine what participants learned.

In the Train the Trainer course application, participants are asked several questions. Three of the questions will again be asked at the end of Train the Trainer.

1. Does your community currently have a written oral health plan to prevent dental caries?
2. On a scale of 1-10, how prepared are you to conduct community caries prevention workshops?

3. What specific interventions would you like to see implemented in your community to improve oral health?

The outcome of Level 2 evaluation will be to describe specific changes that occurred during Train the Trainer.

Level 3 Evaluation - Transfer

This level measures the transfer that has occurred in participants' behavior due to the training program. Evaluating at this level attempts to answer the question - Are the newly acquired skills, knowledge, or attitude being used?

The expectation to provide at least one Community Workshop six months after Train the Trainer course was stated in the course application. The outcome of Level 3 evaluation will be to identify how many participants conducted Community Workshops; what challenges they encountered; how well prepared they were to conduct the workshops; and what linkages were established. This will be done by sending out questionnaires 6 months after the completion of Train the Trainer.

Level 4 Evaluation- Results

Frequently thought of as the bottom line, this level measures the success of the Train the Trainer in terms that managers can understand. Evaluating at this level answers the questions about whether a program made a difference- Does a community have improved oral health and specifically, does a community have a decrease in caries? This type of evaluation would require an oral health status survey. This type of evaluation is outside the scope of this project at this time; however, would be recommended if funding and circumstance permit. An alternative would be for communities to use any oral health data currently collected for other purposes

Course Application

*Train the Trainer:
Workshop on caries prevention for communities in the Region of the
Americas
Taller de prevención de caries para comunidades en la Región de las
Américas*

Name and Title:

Employer:

Address:

Telephone Number:

Email Address:

1. Why are you interested in attending this training?
2. Describe how you would use this training to improve the oral health of people in your community.
3. Does your community currently have a written oral health plan to prevent dental caries?

YES_____ NO_____

Explain:

4. What challenges or barriers do you anticipate in implementing training in your community?

In return for this training, you will be expected to provide caries prevention workshops for people in your community. More specifically, we will ask you to plan at least one workshop within six months from the date you complete the Train the Trainer Workshop.

5. On a scale of 1-10, how prepared are you to conduct community caries prevention workshops? _____
6. What do you see as the primary oral health problem in your community?
7. What specific interventions would you like to see implemented in your community to improve oral health?
8. Who would you like to train and why? Please be specific about whether you will be training health workers, parents, teachers, etc., how many people you would like to train, and why you chose this group.
9. How will you recruit people to attend your training?
10. Can you think of ways that you could evaluate your interventions after they are implemented for a year or more?

Train the Trainer Learning Objectives

Workshop on caries prevention for communities in the Region of the Americas

Taller de prevención de caries para comunidades en la Región de las Américas

Overall Goal

Create community-based sustainable systems to prevent dental caries. Dentists and auxiliary personnel will be empowered to develop plans for improving oral health in their communities along with an understanding of how to recruit volunteers and implement training to get other community members involved in caries prevention.

After completing this workshop, participants will be able to:

1. Identify pathological and protective factors for dental caries.
2. List best practices for caries prevention specific to different age groups.
3. Describe a caries risk analysis for individuals and groups.
4. Perform an oral health screening for infants and toddlers.
5. Explain appropriate protocols for application of fluoride varnish and PRAT for each age group.
6. Describe ways to improve the effectiveness of oral health education.
7. Develop a community-based oral health plan that includes training parents, teachers, and other community participants.
8. Choose strategies to evaluate the effectiveness of their community-based oral health plans.
9. Discuss ways to create sustainable systems to support the community-based oral health plans.
10. Demonstrate use of the training materials and ways to improve training effectiveness.

“Teaching is more than imparting knowledge, it is inspiring change.” William Arthur Ward

Train the Trainer Agenda

Workshop on caries prevention for communities in the Region of the Americas

Taller de prevención de caries para comunidades en la Región de las Américas

Train-the-Trainer Agenda

<u>Day One</u>	<u>Time</u>
Welcome, Overview, and Introductions	45 minutes
Review of training materials	15 minutes
Module 1: The Caries Balance	60 minutes
LUNCH	
Module 2: Caries Risk Analysis for Individuals and Groups	60 minutes
Module 3: Oral Health Screening and Fluoride Varnish for Infants and Toddlers	120 minutes
Module 4: Effective Health Education and Community Oral Health Messages	60 minutes
<u>Day Two</u>	
Module 5: Systemic Fluoride	60 minutes
Module 6: Topical Fluorides	30 minutes
Module 7: Effectiveness of ART (PRAT) in a Prevention Program	60 minutes
LUNCH	
Module 8: Infection Control	60 minutes
Module 9: Working With Infants and Children	120 minutes
POARE: A Model for Program Planning	
Program Planning Exercise	

<u>Day Three</u>	
Module 10: Review Program Plans	180 minutes
Module 11: Creating Sustainable Systems	60 minutes
LUNCH	
Getting Ready for the Community Workshop and Facilitation of Adult Learning	60 minutes
Training Exercise	60 minutes
Closing Exercise	60 minutes

Community Workshop Learning Objectives

Workshop on caries prevention for communities in the Region of the Americas

Taller de prevención de caries para comunidades en la Región de las Américas

Overall Goal

Participants will receive caries prevention training to understand the process of dental caries and best practices to prevent dental caries. Furthermore, participants will work together to implement a community-based oral health plan.

After completing this workshop, participants will be able to:

1. Identify pathological and protective factors for dental caries.
2. List best practices for caries prevention specific to different age groups.
3. Describe a caries risk analysis for individuals and groups.
4. Perform an oral health screening for infants and toddlers.
5. Explain appropriate protocols for application of fluoride varnish and PRAT for each age group.
6. Describe ways to improve the effectiveness of oral health education.
7. Discuss the community-based oral health plan that has been agreed upon for your community and list ways to become involved in the prevention of dental caries.
8. Describe your role in the evaluation of the community-based oral health plan that has been chosen for your community.

Community Workshop Agenda

Workshop on caries prevention for communities in the Region of the Americas

Taller de prevención de caries para comunidades en la Región de las Américas

Day One

Welcome, Overview, and Introductions

Presentation of Community-Based Oral Health Plan

Review of training materials

The Caries Balance

Caries Risk Analysis for Individuals

Caries Risk Analysis for Groups

Oral Health Screening for Infants and Toddlers

Protocols for Fluoride Varnish and PRAT by age group

Day Two

Effectiveness of Fluoride: Systemic and Topical

Effectiveness of PRAT used as a preventive intervention

Effective Health Education

Infection Control

Working with Infants and Children

Day Three

Presentation and Discussion of Community-Based Oral Health Plan

Group Exercise: Roles and Responsibilities

Discussion: Creating Sustainable Systems to Support Oral Health Program Plans

Closing Exercise