HIV/AIDS and Care of the Teeth and Gums

by Richard Bebermeyer, Martin Hobdell and Gene Stevenson

A new chapter for the book
Where There Is No Dentist
by Murray Dickson

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Berkeley, California, USA
**ACKNOWLEDGEMENTS**

The Hesperian Foundation continues to be inspired by Murray Dickson and his tireless efforts to encourage health and dental promoters, and community members, to respond self-reliantly to their health needs, and not be dependent on doctors and dentists. Murray introduced us to Richard Bebermeyer, Martin Hobdell and Gene Stevenson whom we thank for their unselfish and committed participation in this project. They volunteered their time to write and develop the manuscript, and have fielded numerous queries with intelligence and good humor. Monica Gandhi has been generous with her time and experience in helping to clarify some of the medical information. Gene Gowdey has provided extensive review and invaluable suggestions. The Hesperian Foundation is lucky to be able to draw upon a large pool of people committed to grassroots health, and we owe a debt of gratitude for their insightful comments and suggestions on this text to: Jean Arthur, Stephen Cox, Jo Frencken, Patcharin Lekswat, Stephen Moses, P. Wanzala, and Garth von Hagen.

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INTRODUCTION

Many things in the world have changed since Where There Is No Dentist was first published in 1983. Opportunities for people to more easily learn about and communicate with each other have enabled us to better understand each others’ lives and communities. And that better understanding should have enabled us to treat each other more fairly, to create systems of justice, education, health and peace.

Unfortunately, wealthy corporations and individuals have manipulated those changes to do exactly the opposite. Our world is more unequal than ever before. As health care for the majority of people is removed from the agendas of the powerful, the need for books like Murray Dickson’s Where There Is No Dentist grows stronger every year.

Another unfortunate change is that millions of people are now infected with the HIV virus, and most will probably suffer from problems with their teeth that will affect, or will be affected by, their illness. This new chapter on HIV/AIDS and Care of the Teeth and Gums is an attempt to put together useful information for the community dental worker on how to give good care in the midst of the HIV/AIDS crisis.

By providing good care to all, community health and dental workers can make life better for people with HIV/AIDS. To live longer and be healthier, all people—infected with HIV/AIDS or not—must work to get access to clean water and sanitation systems, enough healthy food, necessary medicines, education, decent housing, dignified livelihood, and to build a world that values them and their lives.

The Hesperian Foundation
HIV/AIDS and care of the teeth and gums

Mary and David

Mary was 17 years old. She and her boyfriend David were expecting a baby. David was Mary’s first boyfriend and he was very attentive and caring to her. But David had not been well lately. His mouth had been very sore and smelled bad all the time. Mary thought he should go to see the dental worker at the health center. After a while David agreed to go if Mary would go with him.

David said he wanted to see the dental worker by himself. So Mary sat in the waiting room while David saw the dental worker.

After a while the dental worker came out and asked Mary to come into the room. David was sitting on a chair looking very worried. He tried to give Mary a smile, but it died on his lips. The dental worker asked David if she could tell Mary what she had found in David’s mouth. David agreed, so the dental worker explained to Mary that David did not have any problems with his teeth. He had a bad infection in his gums and throat. This was why his mouth was sore and smelled bad all the time.

The right information will help dental workers give good dental care to everyone.
The dental worker said she would give David the dental care he needed. But she also said she thought David’s problem might be caused by a much more serious infection called HIV. That would explain why his body is weak and he is unable to fight off the infection in his mouth. But to be sure, David should get a blood test for HIV. And because HIV can be passed from one person to another, she encouraged Mary to also get a test. Mary burst into tears as the dental worker tried to comfort her.

This story shows why it is important for dental workers to know about infections in the mouth that may be caused or made worse by HIV/AIDS. With the right information, dental workers can give the good dental care everyone deserves, and can help prevent HIV/AIDS from spreading to other people or to themselves.

FOR PEOPLE WITH HIV/AIDS, GOOD DENTAL CARE CAN MEAN THE DIFFERENCE BETWEEN LIVING AND DYING.

IF A PERSON WITH HIV/AIDS HAS A CLEAN AND HEALTHY MOUTH, HE OR SHE WILL BE ABLE TO EAT WELL, BE STRONGER, FEEL BETTER, AND LIVE LONGER.

Health and dental workers must give people with HIV/AIDS the care they need. Make sure your health system provides the resources (equipment, medicines) you need to give good care.
WHAT IS HIV/AIDS?

HIV (Human Immunodeficiency Virus) is a germ that causes AIDS (Acquired Immune Deficiency Syndrome) by weakening the immune system, the part of the body that fights off infection and disease.

A person is said to have AIDS when he or she starts to get many common health problems more often than usual (although you cannot be sure a person has HIV/AIDS without a special blood test). Some of these problems are losing weight, sores that will not heal, a bad cough, sweating at night, diarrhea, skin rashes, a fever, or feeling very tired all the time.

Because the immune system of a person with HIV/AIDS gets weaker and weaker with each illness, the person is less able to fight these health problems. This goes on until the person’s body is too weak to survive, and he or she dies. Some people die from AIDS very quickly after they become infected with HIV. But for many people, several years can pass before they get sick with AIDS.

This means that a person can be infected with HIV and not know they have it because they feel healthy. But HIV can be passed from one person to another as soon as a person is infected. So, the only way to know if you are infected is to take the HIV test. This is a blood test that can be done at many clinics and hospitals.

There are new medicines that can help people with HIV/AIDS stay healthy, even though they still have the HIV virus. These medicines do not kill HIV or cure AIDS, but they make the sickness easier to live with. Unfortunately, these medicines are expensive and often difficult to get in poor countries.
HOW IS HIV/AIDS SPREAD?

The virus that causes HIV/AIDS lives in certain body fluids, such as blood, semen (sperm), and the fluids in the vagina. The virus is spread when these fluids get into the body of another person. This means that HIV/AIDS can be spread by:

- having unsafe or risky sex with someone who has the virus (see page 28).
- using injection needles or syringes that have not been sterilized (see page 83 of Where There Is No Dentist).
- using dirty instruments that cut the skin for scarring, piercing, circumcision, or dental care. Even if instruments have been washed and look very clean, they can still have germs on them and can spread HIV if they have not been sterilized (see page 83 of Where There Is No Dentist).
- touching or receiving the blood of an infected person.
- mother to child during pregnancy, birth or breast feeding.
- splashing of blood into the eyes or mouth.

HIV does not live outside the human body for more than a few minutes. It cannot live on its own in the air or in water. This means you cannot give or get HIV/AIDS from everyday contact, such as play, working with someone, shaking hands, sharing meals, or from spitting, sneezing, coughing, sweating, from tears, or from insect bites.

HIV is not spread by “casual” contact.
WHO GETS HIV/AIDS?

Millions of people all over the world are infected with HIV. If the body is strong, the HIV virus can remain asleep (dormant, inactive) for several years before it turns into the AIDS disease. If the body is weak, the AIDS sickness will develop quickly.

Both rich and poor people can be infected with HIV/AIDS, but the sickness is worse for the poor. This is because poor people get more infections, which weaken the body, because they do not have access to:

- low-cost health care.
- clean, safe drinking water.
- safe, uncrowded living conditions.
- good sanitation.

Working to change these conditions is an important part of preventing the spread of HIV/AIDS and improving the lives of people who have the disease.

HOW HIV/AIDS AFFECTS THE MOUTH

People with HIV are likely to have more problems inside the mouth than people who do not have HIV. Because their bodies are weaker, any sores and infections may spread more quickly than they do for healthier people. This means that people with HIV/AIDS may need more regular and careful help from dental workers than other people in the community.

Most people with HIV will get at least one kind of infection or problem in the mouth at some time during their illness. If this is not treated, it can be painful, can affect how much food the person eats, and can cause more serious health problems.

HIV infection in the mouth affects the soft skin (tissue)—the lips, the cheeks, the tongue, the lining of the roof of the mouth, under the tongue, and the skin around the teeth (the gums). HIV does not directly affect the teeth themselves. It destroys the gums and the jaw bone, which hold the teeth in place. Also, HIV can cause “dry mouth,” which makes it easier to get cavities (tooth decay).
Dental workers must always be careful to make sure they do not pass the virus from one person to another during dental care. Also, dental workers must protect themselves to make sure the virus does not pass to them from someone they are treating. So always use precautions against HIV infection with every person you see.

The best precautions are to always wear clean latex gloves or plastic bags on the hands, a face mask, eye protection (if possible), and to use only clean, sterile instruments. For information on how to clean and sterilize instruments, see pages 82 to 85 of Where There Is No Dentist.

When you examine someone, always try to:

- Wear glasses or goggles, if possible. Make sure you can see through them clearly.
- Wear a clean cloth or mask over your nose and mouth. Try to change the cloth several times a day. Before wearing a cloth again, wash it in clean soapy water, rinse, and hang it in the sun to dry.
- Wear clean gloves or plastic bags on your hands.

If possible, dental workers should always be protected so they can prevent HIV/AIDS from passing to themselves, the people they are treating, their families, and their sexual partners.
Always examine the lips, face, and inside the mouth of someone who wants advice about a dental problem. Look for any swelling, broken skin, sores, redness, infection, or unusual color changes. For information about the most common problems caused by HIV, see page 14.

Look carefully inside the cheeks and lips. Ask the person to lift up her tongue so you can look underneath it. Also, ask her to stick her tongue out. Wrap a small piece of clean cloth around the tip of the tongue and gently pull it forward so that you can see the sides of the tongue, the back part of the mouth and tongue, and as far down the throat as possible. For more information on how to examine the mouth and teeth, see Chapter 6, pages 71 to 80, of Where There Is No Dentist.

It is important to ask about the person’s general health too. There may be other signs of HIV/AIDS such as fevers, night sweats, feeling very tired all the time, weight loss, or diarrhea. If the person has any of these problems, make sure he or she goes to see a health worker or doctor who is experienced with HIV/AIDS.

Feel along the jaw, underneath the jaw bone, to see if there are any lumps or pain.
Always tell the person what treatment you would like to give. After your examination, explain what you found and what can be done to help or prevent it from getting worse. Always ask the person for permission before you do any treatment, just as you should for any person you see.

No one else should know if someone has HIV, except for those the person wants to know. If you think it is important to tell others, always ask for permission first.

If you know or think someone is infected with HIV, do not tell anyone else—even the person’s family.

Respect the privacy of a person with HIV as you would anyone who comes to you for dental care.
DENTAL CARE FOR A PERSON WITH HIV/AIDS

In general, there is no need to change dental treatment because a person is infected with HIV. This is especially true if the person has no signs of HIV/AIDS. If there is already an infection in the mouth, use a mouth wash before treatment (see the “General Treatment” box on pages 14 and 15). This will help prevent the infection from getting worse.

There are no special problems in doing simple fillings, or fitting false teeth (dentures) for a person infected with HIV. But as the HIV infection advances to AIDS, you will be able to give better dental care if you know about any health problems the person may have. For example, if you need to take out a tooth, you must be extra careful not to cause an infection (see page pages 82 to 85 of Where There Is No Dentist). Remember, always give injections with only clean, sterilized needles so you do not cause infections. If you have any concerns about someone’s health, it may help to speak with a health worker.

Taking out a tooth

To take out a tooth, follow all the guidelines in Chapter 11, page 147 of Where There Is No Dentist. In addition, to prevent infection for someone with HIV/AIDS, before you remove the tooth, make sure the person’s mouth is as clean as possible. A mouth rinse can help (see the “General Treatment” box on pages 14 and 15).

To prevent infection and to help with healing, gently scale or scrape away the tartar (see page 121 of Where There Is No Dentist) from all the teeth. Be careful to do as little damage as possible to the gum and bone around the tooth you are taking out. An infected tooth socket (the hole that is left after you take out the tooth) in a person with HIV can be a serious problem. For problems after you take out a tooth, see pages 110 to 111 of Where There Is No Dentist.

In the later stages of HIV infection when the person has AIDS, the blood may not clot as quickly as normal. Be very gentle when you take out the teeth. Take only one tooth out at a time, and wait until bleeding is controlled before taking another one out.
COMMON PROBLEMS CAUSED BY HIV AND HOW TO TREAT THEM

There are many infections that occur in the mouth, such as a cold sore or gum infection. Most of these infections are not caused by HIV/AIDS and do not usually cause serious problems. But all infections are serious when a person has been infected with HIV because the virus makes the person’s body weak and unable to fight off infection. Smoking or chewing tobacco can also make problems in the mouth worse.

The main problems in the mouth for persons with HIV are:

1. white or yellow patches
2. open sores
3. gum infections
4. cold sores or blisters
5. dark-colored skin patches
6. dry or painful mouth and throat

**General treatment**

Always remove false or plastic teeth (dentures) before using any of these treatments.

Most of the problems in this chapter can be helped:

- if the teeth are kept clean by brushing or using a chewing stick every day, including false or plastic teeth.
- by rinsing the mouth several times a day with a simple mouth wash made with salt and clean water (see page 7 of *Where There Is No Dentist*).
Be careful if you use a chewing stick. Some wood is very hard and can hurt and damage the gums. The soft wood from the neem tree (which grows in many tropical countries) works well. You can also wrap clean cloth around the pointed end of a small stick or toothpick and use it to carefully clean the teeth one at a time.

OTHER TREATMENTS THAT CAN HELP ARE:

- **chlorhexidine gluconate, 0.2%**—a mouth wash that has no alcohol in it. Hold some in the mouth for 1 minute, 2 times a day. Make sure it covers the whole mouth inside, and then spit it out. This mouth wash reacts badly with some kinds of toothpaste. So wait 30 minutes between using this mouth wash and brushing your teeth.

- **gentian violet, 0.5%**—a purple-colored liquid that kills germs. Paint it onto the parts of the mouth that are infected. Sometimes it may be necessary to paint the whole inside of the mouth. Try not to swallow any.

- **povidone iodine, 1%**—a brown-colored liquid that kills germs. Hold some in the mouth for 1 minute, 2 times a day. Make sure it covers the whole mouth inside, and then spit it out. Do not use for more than 14 days. Do not use if you are pregnant or breast feeding.

- **hydrogen peroxide, 3% and clean water**—(see page 8 of *Where There Is No Dentist*).

  Mix hydrogen peroxide evenly with water—that is ½ cup of hydrogen peroxide with ½ cup of water.

  Hold some in the mouth for about 2 minutes.

  Spit it out and repeat. Do this every hour when awake for 3 days.
1. White or yellow patches in the mouth (thrush, oral candidiasis)

Thrush is the most common infection in the mouth seen in people with HIV infection. Thrush can also be a problem for people who do not have HIV. For more information about this, see page 99 of Where There Is No Dentist.

**SIGNS:**

- A burning feeling in the mouth, especially when eating spicy foods. Because of pain, eating and swallowing become more and more difficult.
- The skin inside the mouth is usually covered with white, yellow, or red patches. If you try to remove the white patches with a clean cloth, they will come off easily, but will leave a bleeding red surface underneath. In a few people, there are no white patches. Instead, the skin of the mouth is red and blotchy. It may look very rough.
- Sometimes there are painful cracks at the corners of the mouth that will not heal and sometimes bleed.
TREATMENT:

Gently scrub the tongue and gums with a clean cloth or soft toothbrush 3 or 4 times a day. Then rinse the mouth with salt water and spit it out (do not swallow). In addition, if possible, use any ONE of these remedies:

- Use either gentian violet or chlorhexidine gluconate mouthwash, as described in the “General Treatment” box on page 14 and 15 OR,
- Cut or break a 100 mg clotrimazole vaginal insert into 2 pieces. In the morning, put one piece in the mouth and let it slowly melt there. Use the second piece at night. The package may say: “Do not take by mouth.” This means do not swallow it. It is safe to let it melt in the mouth, making sure it covers the whole inside of the mouth, and then spit it out. Do this 2 times a day for 7 days (14 days if the infection is very bad). OR,
- Put 2.5 ml of nystatin solution in the mouth and hold it there 1 minute and then swallow it. Do this 5 times a day for 14 days. OR,
- Depending on how bad your problem is, suck one or two 100,000 unit nystatin lozenges, 4 or 5 times a day for 10 to 14 days.

If thrush is very bad, you may try one of these stronger medicines instead of the remedies above. (But do not take either of these medicines if you are pregnant or breast feeding):

- Take one 50 mg capsule of fluconazole, by mouth, once each day for 14 days. OR,
- Take two, 200 mg tablets of ketoconazole, by mouth right away. And then take one 200 mg tablet once a day for 14 days.

Some people get relief from thrush when they paint the inside of the mouth with a little tea tree oil or yogurt.
2. Sores of the skin of the mouth (ulcers)

Most people from time to time have had a small open sore (ulcer) in the mouth caused by an infection that has destroyed the skin in that area. It is usually painful and can make eating and speaking difficult for 1 or 2 weeks. The ulcer heals if the mouth is kept clean. For people with HIV infection, the healing process can be very slow and sometimes the sore area in the mouth becomes very large. This is especially true if the person is taking one of the medicines used to weaken HIV, such as zidovudine (AZT).

**SIGNS:**

The skin lining the mouth or on the tongue is broken and will probably look much redder than the skin that is not broken.

**TREATMENT:**

Keep the area clean to control the infection and to help the skin heal. Use any of the methods described in the “General Treatment” box on pages 14 and 15.

**Also give antibiotics if:**

- the skin around the ulcer is very swollen, AND
- you can feel soft lumps (lymph glands) just underneath the lower jaw bone.

Give 500 mg of amoxycillin by mouth, 3 times a day for 7 days. For persons allergic to amoxycillin, give 100 mg of doxycycline by mouth, 2 times a day for 7 days.

**OR** 500 mg of tetracycline by mouth, 4 times a day for 7 days.

**OR** for women who are pregnant or breast feeding, and are allergic to amoxycillin, give 500 mg of erythromycin, 4 times a day for 7 days.

**IMPORTANT:** Anyone who is allergic to penicillin will also be allergic to amoxycillin.
3. Infection of the gums
(Vincent’s Infection, trench mouth)

Many people have some infection of the gums around their teeth. The amount of infection depends on how clean the mouth is kept and how well a person’s body can fight off disease. If the mouth and gums are not kept clean, the infection may get so bad that it will spread to the jaw bone and other tissues nearby and the teeth will eventually loosen and fall out.

Because the body of someone with HIV infection is less able to fight off disease, any gum infection will quickly get worse if the person does not keep his mouth and teeth clean. This can be very serious. If a person with HIV loses his teeth and cannot eat, he will become even more ill.

SIGNS:

- The gums are red, puffy, and very painful.
- There may be yellow liquid (pus) oozing from the gum around one or more teeth.
- The gums between several teeth have sores (ulcers).
- The person’s mouth smells very bad.

If the infection of the gums is very bad and advanced (as it can be for a person with HIV), the signs may include:

- red, raw ulcers of the gums.
- the roots of the teeth will show.
- pieces of the jaw bone can be seen at the bottom of the ulcers.
- some teeth are loose.
TREATMENT:

- Keep the area clean to control the infection and to help the skin heal. Use any of the methods described in the “General Treatment” box on pages 14 and 15.

- Very gently remove the tartar around the teeth. Be especially careful not to cause damage to the gums (see “Scaling Teeth” on page 121 of Where There Is No Dentist).

Also give antibiotics:

- if the neck is sore or stiff, and there are soft lumps just underneath the lower jaw bone.
  
  Give 500 mg of amoxycillin by mouth, 3 times a day for 7 days.
  
  OR for persons allergic to amoxycillin, give 100 mg of doxycycline by mouth, 2 times a day for 7 days.
  
  OR for women who are pregnant or breast feeding, and are allergic to amoxycillin, give 500 mg of erythromycin by mouth, 4 times a day for 7 days.

- Also give antibiotics if the gums between the teeth have ulcers, and the person’s mouth smells bad:
  
  Give 500 mg of metronidazole by mouth, 2 times a day for 7 days.

Once the area is clean and the infection is controlled, take out any teeth that are very loose (see page 147 of Where There Is No Dentist).
More serious gum infection
(gangrene of the face, Noma, Cancrum Oris)

SIGNS:

In the most severe gum infection, the jaw bone will become infected and this can spread through the cheek to the face. This will be very easy to see, as parts of the face and jaw rot away and smell bad. It happens mainly to very sick children, but can also happen to adults with HIV infection.

TREATMENT:

Get medical help as quickly as you can—in a hospital if possible. In the meantime:

Use the information on pages 115 to 118 of Where There Is No Dentist for cleaning and treating the gangrene.

The medicines (antibiotics) listed on page 117 of Where There Is No Dentist are for children. For an adult, give the following:

For an adult who is able to swallow:

- give 500 mg of penicillin V by mouth, 4 times a day for 7 days.
- give 500 mg of amoxicillin by mouth, 3 times a day, for 7 days.

For an adult who is allergic to penicillin,

- give 450 mg of clindamycin by mouth, 4 times a day, for 5 days.
- if clindamycin is not available give 500 mg of erythromycin by mouth, once 4 times a day, for 10 days.
- give 500 mg of metronidazole by mouth, 2 times a day, for 10 days.

Note: Clindamycin, erythromycin and metronidazole are OK to use for women who are pregnant or breast feeding.

For an adult who cannot swallow:

- inject 2,000,000 (2 million) units of penicillin G into a large muscle, 3 times a day, for 7 days.
- inject 600 mg of clindamycin into a large muscle, 4 times a day, for 5 days.

If you give the medicines by injection, change to medicines by mouth once the person starts to feel better. But do not stop giving the medicines until the 7 to 10 days have passed.
4. Cold sores or fever blisters

Many people get cold sores or fever blisters caused by the herpes virus. People who become infected with herpes carry the virus forever. Many people are infected as children. The herpes sores can come and go, and often appear when a person is weak and sick. For more information, see page 98 of Where There Is No Dentist.

The herpes sores usually heal after 1 or 2 weeks. But for persons infected with HIV, the sores come more often and last much longer.

**SIGNS:**

1. One or more small, painful, red blisters appear on the lips and skin around the mouth. Sometimes they appear just inside the lips, and on the gums and the roof of the mouth, particularly in people with HIV infection.

2. The blisters burst and become small open sores that often spread into each other.

3. After the blisters on the lips burst, a yellow crust forms over them.

    The herpes sores can pick up other infections, particularly in people with HIV infection. Also, the liquid inside the sores and blisters can be spread to the eyes. **Herpes in the eyes can cause blindness.** So it is very important to wash the hands before and after touching the face or eyes.
TREATMENT:

Medicine cannot kill the herpes virus. Keep the area clean to control any infection in the sores and to help them heal. Use any of the methods described in the “General Treatment” box on pages 14 and 15.

Also:

- To help ease the pain of sores outside the mouth, cover the area with a dry powder, like baby powder. Do not use medicated powders as they can make the open sores sting very badly.

- A medicine called acyclovir may also help. Give 200 mg by mouth, 5 times a day for 7 to 10 days. You can also apply acyclovir ointment on the sores 6 times a day for 7 days. It is OK to use them both at the same time. Acyclovir works best if taken or used early in the infection, before the blisters burst, if possible.

- If the sores are infected, give 500 mg of amoxicillin, 3 times a day for 7 days.
  OR for persons allergic to amoxicillin, give 100 mg of doxycycline, 2 times a day for 7 days.
  OR for a woman who is allergic to penicillin, and is pregnant or breast feeding, give 500 mg of erythromycin, 4 times a day for 7 days.

- Antibacterial ointments such as neomycin or bacitracin can also help to prevent and control other infections that get into the sores. Spread a small amount on the infected skin outside the mouth (not in the mouth) 2 to 5 times a day for about 5 days.
5. Brown or purple patches in the mouth (Kaposi’s sarcoma)

About 1 in 4 persons infected with HIV will get brown- or purple-colored patches in the mouth. These patches are called Kaposi’s sarcoma and they can also appear elsewhere on the body. They are caused by a cancer of the blood vessels or lymph nodes.

SIGNS:

Painless patches that look like swollen bruises around or inside the mouth. The brown color is more obvious in the mouth. The patches do not usually become infected.

TREATMENT:

Medicines are not helpful. Get advice from a health worker or doctor who is experienced with the problems of HIV/AIDS.
6. Dry or painful mouth and throat

Many people with AIDS have difficulty eating near the end of their lives because of a dry or painful mouth and throat. It is important to eat nutritious food during a sickness, even a sickness like AIDS where the person is probably going to die. The person will feel much more comfortable and have less pain and infection if he or she can eat well.

A dry mouth can be caused by an infected swelling in the glands of the mouth that usually make spit (saliva). A painful mouth can be caused by other infections and problems that come with HIV/AIDS. For information about how to treat an infection of the spit gland, see page 113 of Where There Is No Dentist. For help with eating if the mouth is very dry or sore, try the following:

- Eat soft foods in small pieces that are easy to chew and swallow.
- Cook foods until they are soft and tender.
- Mix foods with liquids to make them easier to swallow.
- Use a straw to drink fluids.
- Do not eat hot or spicy foods. They can irritate a sore mouth and throat.
- If it is difficult to swallow, tilt the head back a little, or move it forward.
- Rinse the mouth with clean water often. This will remove food and germs, and help with healing.
HELPING PEOPLE WITH HIV/AIDS
IN YOUR COMMUNITY

As a dental worker or health worker, you can make a great difference in the well-being of both the person with AIDS and his or her family. Take a special interest in them and help them find ways to get the care and companionship they need.

Care during the final days

During the final days of their illness, most people with AIDS prefer to be at home with their families. Both the sick person and the family need a lot of care and help during this time. This includes care for health problems and personal needs, as well as help with social and legal issues.

You can support the family if you organize volunteers in the community to:

- provide food and cook meals.
- help with daily household chores.
- look after babies and children whose parents are dying, or who may have already died.
- help with funeral arrangements.

It may also help to ask other family members, friends, or a religious leader to visit the family and the person who is dying. This support can help the sick person to die with dignity, and the family to cope with losing a loved one.
WORKING FOR CHANGE IN YOUR COMMUNITY

By teaching and talking about HIV/AIDS, dental workers can play an important role in helping to stop the spread of the disease.

Treating people with HIV infection is important, but preventing its spread is an even greater challenge.

You can help if you:

• Learn as much as you can about HIV/AIDS, how it is spread, and how to prevent it.
• Share your knowledge about HIV/AIDS with others in community meeting places—like schools, stores, religious meetings, restaurants and bars, and military bases.
• Teach people how to practice safer sex to stop the spread of HIV. Safer sex is when no body fluids pass from one person to another during sex.

PRACTICE SAFER SEX

Safer sex means to:

• have sex with only one partner who has sex only with you.
• always use condoms during sex, and help women learn how to ask men to use them.
• think of other ways to have pleasure, such as touching genitals with the hands, and rubbing or massaging different parts of the body.
• not have sex with many partners, or to not have sex with someone who does.
• not have sex with someone who shares drug injection needles.

If the whole community has good information about HIV/AIDS and safer sex, men and women and their partners may feel more comfortable making changes in their sex lives to protect themselves. No one has become infected with HIV/AIDS because he or she spoke openly and honestly about safer sex.
Although it can be difficult to speak openly about sex, to help prevent the spread of HIV/AIDS it is necessary to talk about what is risky sex and what is safer sex.

**How risky are different kinds of sex?**

- Sex in the anus without a condom
- Sex in the vagina without a condom
- Sex with many people
- Sex when the vagina is dry
- Sex with someone who has had sex with many people
- Sex without ejaculation or "pulling out"
- Using only a diaphragm during sex
- Sex with only one person who only has sex with you
- Oral sex (mouth on penis or vagina)
- Sex using a condom
- Kissing or touching
- Mutual masturbation

**TREAT EVERYONE WITH RESPECT**

All people have a right to be respected, including people who have HIV/AIDS. Set an example in your community by supporting people with HIV/AIDS, their partners, and their families. Many people think AIDS is a “disease of outsiders” or of “bad” people. They think HIV/AIDS does not affect “good” people like them. But HIV/AIDS affects rich and poor people, men and women, people of all races and religions, health workers, and religious leaders.

Many people are afraid to take the HIV test or seek treatment because they think they will be treated badly. We must all take care not to let our fear of HIV and AIDS make us treat people unfairly. Anyone who is ill should be cared for with kindness and respect.
As a health and dental worker, you and other community and religious leaders can help people with HIV/AIDS get health services, housing and jobs. You can help people treat each other with respect, and you can encourage people who have HIV/AIDS to become involved in their treatment and in their community’s activities.

Remember, you can help support the human rights of people living with HIV/AIDS or someone who people think is living with HIV/AIDS. Discriminating against them violates their human rights.

SET AN EXAMPLE AND SHARE GOOD INFORMATION

The example you set and the information you share will help fight the fear people have of knowing, touching or living with someone who has HIV/AIDS. Make sure people know that HIV is not spread by ordinary daily contact. HIV is not spread by hugging, touching, holding or shaking hands, by dancing, using the toilet after someone with HIV, or eating food prepared by a person with HIV. People can share dishes, towels, and bed sheets and not become infected with HIV. Also, it is not possible to get infected from someone’s tears, sneeze or spit, or from a mosquito bite.

Other viruses like measles or chicken pox are spread easily through air. HIV spreads only if certain body fluids of a person with HIV get inside another person.

As a health worker, you can help people make decisions based on good information and not fear. A good way to begin is to plan a meeting to discuss HIV/AIDS with other health workers in your area or region and with someone from a regional HIV/AIDS organization. He or she can help health workers learn about HIV/AIDS so they will be able to provide accurate, consistent information to the people in their communities. They can also learn about the best ways to treat the infections that people with AIDS often get.

A person with AIDS can get sick very easily with many common health problems such as pain, cough, skin rashes, fever and diarrhea. For information about these problems, see where there is no doctor, or another general medical book.
Follow your own advice.

As a dental worker and health leader, you can have a great impact on your community’s health and well-being if you set a good example. It is not enough just to give health education talks and tell people how to behave. As you talk to people about the importance of practicing safer sex, you must remember to also practice safer sex with your own sexual partner. A dental worker who does not practice safer sex can become infected with HIV and pass the virus to others.

Here is an example of what can happen to dental workers if they do not follow their own advice:

Two years ago, in one region of a country, there were 15 health centers that provided dental services. Today, 5 of the centers can no longer provide these services because their dental workers—all men—have died from AIDS. Also, 2 of the 15 students in a recent dental training course—a man and a woman—have HIV/AIDS. No one knows exactly how each one got infected with HIV/AIDS, but most people believe it was because they were not careful with their sexual partners. The dental workers and students gave many health education talks to tell people how to behave, but people in the community could see that they did not follow the advice themselves.
THINK OF YOURSELF AS A TEACHER

As a dental worker, you will be able to improve the health of the people in your community and help prevent the spread of HIV/AIDS if you think of yourself as a teacher. The knowledge you share can have a more lasting impact on the health and well-being of a community than your skills as a dental worker.

If all health workers can give the same information, it will help prevent the fear caused by wrong ideas about AIDS. If their neighbors are not afraid of them, people with HIV/AIDS—as well as those who care for them—can become more accepted in the community. Then they can help others understand every person’s real risk of getting HIV/AIDS. So learn as much as you can about HIV/AIDS and share the information with everyone. Remember to:

- Give advice to the people you treat, especially those most at risk for getting infected, such as young people, migrants and refugees, sex workers, drug users who share needles, and anyone having sex with more than one faithful partner.

- Fight for improvements in the social and legal services available for people with AIDS. Remember, the fight is against the conditions that lead to the spread of AIDS, and not against people who have AIDS.

Help people with the resources you have, and think about where you might find more resources to help meet people’s needs.

Fight to end discrimination against those infected with HIV/AIDS. Discrimination is an obstacle to care. It may stop people from coming for treatment and it may stop people from learning how to prevent the spread of infection.
RESOURCES

BOOKS

Where There Is No Doctor includes information on a wide variety of general health concerns in a community setting.

Where Women Have No Doctor includes information on the health problems that affect only women or affect women differently than men.

HIV, Health and Your Community is the most comprehensive, accessible book on HIV/AIDS.

Available from:
The Hesperian Foundation
1919 Addison St. #304, Berkeley California, 94704, USA
Telephone: 1-510-845-4507
E-mail: bookorders@hesperian.org

Primary AIDS Care by Clive Evian (3rd edition, 2000)
This is a practical guide for primary care doctors and nurses in treating and managing people with HIV infection and also covers issues relating to the HIV/AIDS epidemic.

Strategies for Hope
Strategies for Hope is a series of books and videos that provides practical strategies for HIV/AIDS care, support and prevention in developing countries. These excellent materials promote informed, positive thinking and practical action regarding HIV/AIDS and can be requested free of charge by organizations in sub-Saharan Africa.

Available from:
Teaching Aids at Low Cost - TALC, P.O. Box 49, St. Albans, Herts AL1 5TX, UK
Telephone: 44-1727-853869
E-mail: info@talcuk.org

NEWSLETTERS

AIDS Action Newsletter is a free international newsletter on AIDS prevention and care for health workers and educators. It provides practical information on a wide range of issues concerning HIV/AIDS and other sexually transmitted infections.

Available from:
Healthlink Worldwide,
Cityside, 40 Adler St., London E1 1EE, UK
Telephone: 44-20-7539-1570
E-mail: info@healthlink.org.uk

WEB SITES

www.hivdent.org
This site includes treatment information and training resources to improve oral health for people with HIV/AIDS. A large gallery of photographs show HIV-caused problems in the mouth, and other sections contain information on infection control, care of children, medicines and more. It also includes an e-mail system which allows you to ask questions and receive advice.

www.aegis.com
One of the largest HIV/AIDS databases in the world. Features the “Daily AIDS Briefing,” current news about HIV/AIDS.

www.unaids.org
The web site for the United Nations AIDS program. Contains articles, information, news about UN activities as they relate to the HIV/AIDS epidemic, statistics and other useful information.

RESOURCES