The supportive atmosphere of group discussions helps give new mothers the confidence to carry on breastfeeding.

**Best beginning: breastmilk**

Parents naturally want to give children a good start to make sure they grow up healthy and do well, however poor their circumstances. Family feeding is highly important, beginning with breastmilk for the newborn. But pressures on new mothers not to feed their babies themselves are increasing. In this issue, we look at ways to help women feel more confident about breastfeeding.

Successful breastfeeding should be seen as the responsibility of the community at all levels — local, national and international. In association with UNICEF, WHO, SIDA (the Swedish International Development Agency) and USAID (the US Agency for International Development), the Innocenti Declaration was signed in August 1990 by at least 30 national representatives from around the world, promising to protect, promote and support breastfeeding in their countries. Flexible approaches are required to meet the needs of social change; the picture above shows urban mothers in the Philippines sharing their experiences.

When the baby is four to six months old, other foods must be gradually introduced. Continued breastfeeding nevertheless helps to protect against infection as well as providing valuable protein. Ideally breastfeeding should continue until the child is accepting adequate amounts of suitable family foods. Commercial ‘follow-up’ milk feeds are increasingly being promoted for these older infants, as a complement to breastmilk. On page 4 the problems and dangers of follow-up formulas are discussed.

There are also guidelines and an article on pages 6 and 7 on the health contribution gardens make to the family diet. Even with limited resources, people can themselves do much to feed their families wisely.

**In this issue:**

- Support groups for breastfeeding mothers
- Update on the dangers of artificial milk feeds
- Guidelines on growing food for family health

Published quarterly by AHRTAG, 1 London Bridge Street, London SE1 9SG, UK; over 300,000 copies worldwide in eight languages.
Help for breastfeeding mothers

Talking and spending time in a small group with other mothers helps women to feel confident about breastfeeding. DD reports on the activities of breastfeeding support groups from around the world.

Most women know that breastfeeding is the natural and best way to feed a baby. Traditionally, young mothers learnt how to breastfeed from more experienced women in their extended family and community. Nowadays, though, young women often have left their home town or village and are isolated from women with whom they feel relaxed enough to learn breastfeeding skills.

Families, friends and even poorly informed health workers or doctors may feel that bottle-feeding is as good as breastfeeding a baby. Artificial baby milks, or formulas, are promoted internationally, but the dangers of bottle-feeding are not so well advertised (see article on page 4). Once a mother starts giving a bottle instead of the breast, her breastmilk supply diminishes (which may lead to breastfeeding failure) and it is difficult to re-establish breastfeeding.

More women now give birth in hospitals, particularly in urban areas, where nurses are busy or may not be trained in breastfeeding counselling. After she returns home, the mother is often alone and has no support.

Helping mothers

Most breastfeeding difficulties are not physical or medical. Of course, there are exceptions: a mother who is seriously ill, or has a small, sick baby or a handicapped infant, may need regular one-to-one support from a trained counsellor or health worker. But problems usually arise because women have not been shown how to breastfeed properly, fear that their breastmilk supply is inadequate, lack confidence in their skill, or feel unable to combine breastfeeding with other responsibilities.

One of the best ways to build up breastfeeding confidence in new mothers is to set up support group meetings, where they can talk freely about their worries. These are some of the common concerns:

- Emotional problems
  Women need to feel sure they are providing enough of the best food for their babies.

- Practical difficulties
  New mothers will feel better and be healthier if they can get enough good food, and gentle exercise only. The supportive atmosphere of a group will help give them confidence to explain their needs to their families.

Help for breastfeeding mothers

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How support groups work

Mothers, with their babies, meet at least once a month, often in one of their own homes. A few experienced breastfeeders need to be trained to act as group leaders.

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How to set up a support group

- The best person to set up a group is a woman confident in social situations, experienced in breastfeeding, and interested in learning leadership skills. Think about who could do this in your community. Although willing to help lead a group, they may need assistance to recruit members and set up and organise meetings.

- Start with one group. After a few months of successful meetings, some of the members themselves will gain enough confidence to want training to set up and lead other groups.

- Find out how to get in touch with new mothers in your area. Tell health workers and doctors about the group, and advertise at health centres where women take their babies for check-ups. Staff at your local maternity hospital may be willing to recommend meetings. Make sure local women’s organisations, union branches or associations know about the group, so that they can tell their members.

Some health workers used to feel that they were competing with support groups. Now they understand that breastfeeding women need both caring, skilled health workers, and caring, skilled friends. Health workers help us in publicising and setting groups up. One support group in a rural area was called ‘The Club’, because at the time no one would come to a group that had the word ‘breastfeeding’ in its title! Having a thriving support group (Nursing Mothers Association, Australia) in the town has made all the difference. Maureen Minchin, ALCA, Australia

Some advantages of breastfeeding

B onet for baby
R educes incidence of allergies
E conomical - no waste
A ntibodies - greater immunity to infections
S tood inoffensive - never centipated
T emperature always correct and constant
F resh milk - never goes sour in the breast
E motionally bonding
A very once established
D igested easily within two to three hours
I mmediately available
N utritionally balanced
G astroenteritis greatly reduced

From a publicity leaflet by the TIBS support group, Trinidad.

- Contact your national breastfeeding promotion organisation. It can give advice about setting up a support group, provide booklets and leaflets, and help with training group leaders. If there is no national group, then contact one of the international organisations listed at the end of the article.

- I have been helping to run this support group network for many years. The two key aims are to inform and inspire mothers about breastfeeding. Our organisation now has 50 members — all the members are trained group leaders, and most are full-time mothers with heavy family commitments. They run small support groups and give regular talks to expectant parents at community centres, hospitals and clinics. We also keep a small collection of useful books and articles, and produce a regular newsletter for our members. The group has organised workshops for nursing staff at the maternity hospital, and is helping them to put a breastfeeding policy into practice. Doris Fok, Breastfeeding Mothers Support Group, Singapore

DD thanks all who contributed material on which this article is based, including:

- Ines Fernandez, ARUGAAN (Support System for Working Women), 42 Madalahanin St, Teachers Village, Diliman, Quezon City, The Philippines
- Patricia Inglefield, TIBS (The Informative Breastfeeding Service), 13 Rust St, Port of Spain, Trinidad
- Lorna McDougall, Breast is Best League, 18 Eve Street, PO Box 1203, Belize City, Belize, Central America
- Maureen Minchin, Australian Lactation Consultants’ Association, c/o St George’s Road, Armadale, Victoria 3143, Australia

International breastfeeding support organisations

- Geneva Infant Feeding Association, P O Box 157, CH-1211 Geneva 19, Switzerland
- IBFAN Africa, P O Box 34308, Nairobi, Kenya
- ILCA, 201 Brown Ave, Evanston, IL 60202, USA
- Lactation Resource Centre, PO Box 231, Nunawading, Vic. 3131, Australia
- La Leche League International, 9616 Minneapolis Ave, Franklin Park, IL 60131, USA

The DD Health Basics supplement on breastfeeding, together with an updated list of resources and organisations, is available free of charge to readers.

DD thanks all who contributed material on which this article is based, including:

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- Doris Fok, c/o Family Life Society, 257 Selegie Road, #02-273 Selegie Complex, Singapore 0718

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The dangers of ‘follow-up’ feeds

Ted Greiner explains why more action is needed to stop the spread of bottle-feeding.

Artificial feeds, or formula milks, made up with contaminated water, and unclean feeding bottles and teats, are a major cause of diarrhoea in babies. These milks are marketed internationally in two main categories: ‘infant formula’, sold as a substitute for breastmilk, and ‘follow-up formula’ (sometimes known as follow-on formula), sold as a complement to breastmilk for older infants. Manufacturers sometimes promote these products very aggressively, and mothers may come to believe that formula milk is better for their baby than breastmilk. But breast is best for all infants, and breastfed babies do not need either type of formula milk. Follow-up formula need not be given to any infant even if s/he is over six months old — older infants need solid nutritious foods combined with breastmilk.

What are the problems of follow-up formulas?

- Follow-up formula carries the same risk of infection as infant formula if bottles or water are contaminated.
- Giving follow-up formulas can interfere with the weaning process, when the infant is starting to eat family foods. Giving another type of milk, such as follow-up formula, as well as breastmilk to an infant who is being weaned is expensive and may result in replacing breastmilk, rather than complementing it, especially if given by bottle. The 1986 WHO World Health Assembly (in Resolution WHA39.28) stated that ‘the practice being introduced in some countries of providing infants with specially formulated milks (so called follow-up milks) is not necessary’. Nearly all countries voted in favour of this resolution.
- WHO is also concerned that mothers could use follow-up formula by mistake instead of infant formula. If follow-up formula is given to infants below six months of age, its higher protein and mineral content increases the risk of dehydration during diarrhoea.
- These formulas can lead to an unbalanced diet. One study measured nutrient intakes of infants at six to ten months of age likely to result from the use of two standard follow-up formulas. With one, the infants received too much protein and with the other not enough fat.

Why are companies promoting follow-up feeds?

The International Code of Marketing of Breastmilk Substitutes was drafted in 1981 by WHO and UNICEF to reduce the spread of bottle-feeding. Many countries adopted a version of this Code and have succeeded in regulating the marketing of some products. However, the Code only controls how companies promote infant formulas which are known officially as breastmilk substitutes (BMS): ‘any food being marketed or otherwise represented as a partial or total replacement for breastmilk, whether or not it is suitable for that purpose.’

In contrast, the Code does not cover follow-up formulas marketed as a complement to breastmilk. Companies are now strongly promoting these in many industrialised and developing countries and most families are not aware of the risks. A study done in Cebu City in the Philippines shows how, in 1986, over half of the health centres in the study gave away free samples of infant formula, while only 15 per cent gave the mothers follow-up formula samples. At the end of the year a code restricting the promotion of infant formula was made law. Within two years the number of centres distributing infant formula had decreased to under three per cent, but those giving away free samples of follow-up formula had increased to 28 per cent.

What action should be taken?

The increased promotion and use of follow-up formulas is putting breastfeeding and safe weaning at risk. In some countries it may be possible to restrict the import or sales of follow-up formulas altogether. In others you can ask your government to:

- Design and make law a national code which defines ‘breastmilk substitutes’ as any product perceived and used as an alternative to breastmilk for young infants, even if marketed as a breastmilk complement.
- If your country already has a national code, follow-up formulas can be added to the definition of ‘breastmilk substitutes’ via, for example, a government order.

WHO will provide technical assistance on request to the government of any member country on how to design, implement and monitor a national code.

Ted Greiner, Department of Paediatrics, International Child Health Unit, Uppsala University, S-751 85 Uppsala, Sweden.


International Organization of Consumers Unions, 1989. Protecting infant health: a health worker’s guide to the international code of marketing BMS. This book, and further information is available from IOCU (IBFAN), P O Box 1945, 10830 Penang, Malaysia.
Reducing infection

Many studies in developing countries have demonstrated the importance of exclusive breastfeeding until at least four to six months of age. A case control study in Brazil has shown that young infants (0-2 months) who are not breastfed are 25 times more likely to die than those who are exclusively breastfed. Even malnourished women can maintain growth of infants up to four to six months of age by exclusively breastfeeding and not introducing other foods or liquids. However, it is important to make sure that mothers are adequately nourished, to prevent their losing too much weight while they are breastfeeding.

Relative risk of diarrhoeal death for infants on different feeding regimes, compared with those receiving breastmilk alone


Infants are more likely to get infections if they are given milk supplements by bottle. In the Brazil study, the relative risk of dying from a diarrhoea infection was found to be much higher for infants fed on formula or cow’s milk than for those fed on breastmilk only (see graph). Giving other supplements carries a similar risk. A finding from a study in the slums of Lima, in Peru, was that infants less than five months old given liquids apart from breastmilk, such as tea and water were twice as likely to get diarrhoea. Even in very hot climates, infants do not need water in addition to breastmilk.

Continued breastfeeding reduces the risk of infection during weaning. Infants aged six months to one year who were receiving breastmilk along with weaning foods or other milk had less diarrhoea than those whose diet did not include breastmilk.

Hospital based studies in Pakistan, Costa Rica, India and the Philippines have shown that where women were encouraged to breastfeed in hospital neonatal wards, where bottle-feeding was the norm, rates of neonatal diarrhoea consistently decreased.

Breastfeeding also helps to prevent dehydration. In Myanmar a study compared stool output of infants with diarrhoea who continued to be breastfed, as well as being given ORS, with that of those given ORS alone. The breastfed infants passed fewer stools and therefore had less dehydration.


Baby-friendly hospitals

UNICEF and WHO are helping to promote breastfeeding by suggesting that hospitals adopt guidelines along the following ‘ten steps’:

- Develop a written breastfeeding policy and make sure that the staff support it.
- Train staff how to help new mothers to breastfeed successfully.
- Tell pregnant women about the benefits of breastfeeding.
- Help mothers to begin breastfeeding within half an hour of birth.
- Show mothers how to breastfeed, and how to continue giving breastmilk even if they are away from their infants.
- Give newborn infants no food or drink other than breastmilk, unless medically indicated.
- Arrange for mothers and infants to stay in the same room together (rooming-in).
- Encourage breastfeeding on demand.
- Discourage giving artificial teats to breastfeeding infants.
- Recommend local breastfeeding support groups to new mothers.

Source: Protecting, promoting and supporting breastfeeding: the special role of maternity services. WHO/UNICEF, 1989, Geneva. This approach was endorsed at the 1991 international paediatrics conference in Turkey.

Dummies and diarrhoea

I have noticed that many people use pacifiers (or dummies) in this part of the world. Does their use contribute to the spread of diarrhoea in infants?

Dr Satya K Narayana, P O Box 176, Aliogoudarz, Lorestan, Iran.

Dr Katherine Elliott comments on the increasingly widespread use of pacifiers.

Pacifiers (also called comforters or dummies) are artificial teats or nipples usually made from rubber or plastic, which are given to small babies or children to suck. Sucking is an instinctive action, not something we learn. Modern technology has shown us how we even suck our thumbs within the womb before birth. Small babies like to suckle frequently, using the nipple both for comfort and for food.

So it is not surprising that pacifiers were developed to calm babies between feeds and allow mothers some freedom. Their use would be comparatively harmless in ideal hygienic conditions. But, just as with feeding bottles and their teats, problems arise where environmental conditions are poor or if families do not realise the dangers of contamination by contact with dirty hands, clothes or floors. A pacifier can easily carry the bacteria which cause diarrhoea. Even if the mother is careful, older children often pick up the pacifier and put it back in the baby’s mouth, and toddlers who have become addicted to sucking a pacifier will do it for themselves.

Babies cry because they are hungry or unhappy in some way and their needs ought to be understood and satisfied. Unusual circumstances may sometimes justify the occasional use of a pacifier — for example, to get a really fretful baby to sleep in disturbed or emergency conditions.

We are all aware of the risks of bottle-feeding in relation to diarrhoea. Pacifiers carry the same risks and their use is an unnecessary habit which everyone should try to discourage.
Gardening for nutrition

Growing food: growing healthy

Growing home and community gardens are an important source of food. Vitamin-rich vegetables and fruit added to the family diet can improve children's nutritional status and resistance to infections.

The following is a checklist of things for community workers or nutritionists to think about before starting a garden project.

1. Talk to people about what is already happening.
   Find out how many people already grow vegetables. Ask where the gardens are, who looks after them and what vegetables and fruit are usually grown. Ask if these are sold, or if some are eaten at home. Find out what people usually eat.

2. Find out about health problems.
   Ask how many children have health problems such as vitamin deficiencies or malnutrition. The success of the gardens can be measured by improved community health.

3. Start small.
   Begin with a few households only, or with a garden at a school or health centre. If families like the results, the new ideas will soon spread. Listen to local people about traditional gardening methods, and involve them in the new project.

4. Choose the right things to grow.
   Promote only one or two vitamin-rich vegetables or fruits at the beginning, particularly those already grown locally. Remember that different crops may grow during different seasons, and methods of storage and preservation may need to be developed.

   Carrots and other root vegetables and small fruit trees such as banana, papaya, mango, guava, breadfruit, citrus and coconut are all good value — as are tomatoes, pumpkins and peppers. If they get enough water, many different kinds of dark green leafy vegetables are easy to grow, and provide useful protein as well as vitamin A. Look for local varieties. (See also those listed in the case study.) In some countries, wild plants are eaten regularly and these can be a valuable source of vitamins.

5. What do gardens need?
   - Water
     A water supply is needed near the garden. Irrigation channels, terraces, rain and runoff water storage, and drought resistant plants help save water in dry climates, but in some countries and during rainy seasons, too much water has to be drained away. Domestic waste water that is not contaminated with faecal waste can be used to water plants. Raw fruit and vegetables must be properly washed before eating to avoid diarrhoea infections.

   - Protection
     To keep animals out, use local fencing materials which are cheap and easy to replace. If a fence is not practical, try to protect the plants themselves. For example, in backyard gardens in the South West Pacific, coconut husks around plants stop domestic chickens from eating the stems.

   - Compost and pest control
     Make organic composts from garden, household and animal waste, and control pests with locally available materials, such as soap, tobacco, garlic and oil. Commercial fertilisers and pesticides are expensive, and can be dangerous.

   - Seeds
     Local plant varieties are often the best, since their seeds can be stored each year for the next season. Imported seeds are usually hybrid varieties which do not produce reliable seeds. If you use plants new to the region, make sure you can provide seeds for the next year. Set up a small nursery to grow seedlings for other people. Some vegetables, such as potatoes and yams, grow from root cuttings and many fruit trees will grow from branch cuttings.

6. How to make the project successful.
   Advertise garden visits and demonstrations in the local newspaper and radio, and share information, particularly with people working in your region.

   Combine the project with other activities to encourage people to change their gardening methods and supplement their diet. These activities include nutrition education, cooking demonstrations and training community workers in relevant skills. Measure child growth rates regularly to find out if their health is improving.

   A project study in Senegal where women grew vegetables shows the importance of these extra activities. The women sold all their produce in local markets to earn money for household expenses. Surveys over ten years showed that the vitamin intake of their children did not increase and that income from selling vegetables was almost never used for buying food. If most people sell what they grow, you may need to help them improve their income by more effective marketing and so make it financially possible to keep aside some vegetables for family meals.


6 Dialogue on Diarrhoea, issue 46, September 1991. Published quarterly by AHRTAG, 1 London Bridge Street, London SE1 9SG, UK.
Case study: gardening in The Gambia

Home and school gardens are common in The Gambia. Most of the produce is sold in nearby markets. However, during the drought in the 1970s many people stopped growing vegetables. In 1985 the school and community gardening project was introduced.

Gardens are made by fencing off a few acres of land with one or two irrigation wells. These community plots are divided into beds of a few metres long by one metre wide. In the schools involved in the programme, groups of children look after the plots, with the help of the teacher. During practical teaching sessions, they learn about how eating the vegetables they grow can make them healthier.

The programme aims to:
- set up and look after school gardens;
- use school gardens to help children learn about nutrition;
- improve children’s diets by increasing the amount of vegetables in school meals;
- grow enough produce for some to be sold to generate income;
- involve family members in looking after the gardens;
- encourage people to stay in rural areas, by showing that gardening and farming can generate income, as well as improve nutrition.

Local and imported varieties of vitamin-rich fruit and vegetables are grown. All these grow well during the dry season from October to March. Local varieties (local greens, okra, pepper, bitter tomato, sorrel) are resistant to pests and diseases that spread during the rainy season; these are grown throughout the year.

The schools encourage a low cost approach to gardening. People are advised to use organic manure (animal waste and compost) instead of artificial fertiliser. Cheaper and often safer alternatives to chemical pesticides are used for pest control. Household ash can be sprinkled around plant stems, helping to protect the root from pests. A pesticide can be made from boiling a handful of neem tree leaves, hot peppers and tobacco or a handful of onion skins in a panful of water. The mixture is then strained and sprayed or sprinkled onto the crop. “Companion planting” — growing marigolds or garlic next to the main crop — can help to keep certain pests under control.

The project hopes to pass on information about nutrition to the community through:
- organising visits to the school garden;
- showing how to garden more effectively;
- encouraging the children to talk about the garden at home or when working in the community garden with their mothers.

This approach seems to be successful. There are now more community gardens in areas where school projects have been set up. More people are including fruit and vegetables in their diets, particularly in schools, where over half of the garden produce is eaten by the children. In most communities children and women are looking healthier, and there are fewer cases of malnutrition.

Mbye Njie and Anne Plested (supported by Voluntary Service Overseas, UK), School Farm and Garden Field Co-ordinators, Ministry of Education, The Gambia.

A full account of VSO’s involvement in this programme will be included in the forthcoming VSO publication ‘Making Agricultural Education Relevant’. For more information write to Programme Evaluation, VSO, 317 Putney Bridge Road, London SW15 2PN, UK.

Fruit and vegetable promoted by the project

<table>
<thead>
<tr>
<th>Fruit/vegetable promoted by the project</th>
<th>Nutrient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrot, cassava leaf, lettuce, local greens, sweet potato, tomato, water melon, banana, cashew apple, mango, papaya</td>
<td>Vitamin A</td>
</tr>
<tr>
<td>Banana, cashew apple, citrus, mango, papaya, okra, tomato, sorrel, pepper</td>
<td>Vitamin C</td>
</tr>
<tr>
<td>Okra, garden egg (aubergine variety), bitter tomato, local greens</td>
<td>Vitamin B</td>
</tr>
<tr>
<td>Local greens, cassava leaf, okra, sorrel, carrot, lettuce, ‘never-die’</td>
<td>Iron</td>
</tr>
<tr>
<td>All vegetables and fruits</td>
<td>Minerals</td>
</tr>
<tr>
<td>have varying degrees of mineral content</td>
<td></td>
</tr>
</tbody>
</table>

It is important to make the links between growing vegetables and the benefits of a better diet. During practical teaching sessions these Gambian schoolchildren learn about how eating the vegetables they grow can make them healthier.

Resources

- Cleveland D. and Soleri D. 1991. Food from dry land gardens. Center for People, Food and Environment, 344 South Third Avenue, Tucson, AZ 85701, USA. $15 per copy ($25 to workers and projects sponsored by Western aid agencies).
- Garden to kitchen newsletter from: Family Food Production and Nutrition Project, UNICEF Pacific Operations, c/o UNDP, Private Mail Bag, Suva, Fiji.
- The following are available free from the Vitamin A Field Support Project (VITAL), 1601 N. Kent Street, Suite 1016, Arlington, VA 22209, USA:
Collaborating on cholera

First seen in Latin America in Peru in January, cholera had spread to Ecuador, Colombia, Brazil, Chile and Mexico by June 1991. Over 220,000 cases have been reported; 80,000 people have been admitted to hospital, and there have been 2,200 deaths.

In April, a team of experts from the International Centre for Diarrhoeal Disease Research in Bangladesh (ICDDR,B) went to Ecuador. Their visit gave Ecuadorian public health workers and doctors the chance to discuss cholera control and management with professionals from another developing country with a wealth of useful experience. Cholera is endemic in Bangladesh, and the ICDDR,B hospital admits many cases of cholera a day.

The team’s recommendations included:

**Epidemiology**
- setting up systems to help local health personnel detect cholera;
- looking into suspected cholera deaths to find out why patients died;
- making sure that epidemiologists throughout the country are aware of surveillance procedures.

**Microbiology**
- setting up more laboratories to identify cholera organisms;
- making sure the vibrio survive (using Cary-Blair media) during the journey to the laboratories;
- using vibrio cultures to monitor epidemic spread (rather than to confirm the diagnosis in clinically obvious cholera).

**Case management**
- writing guidelines on how to clinically assess and manage diarrhoea in patients;
- setting up temporary treatment centres where there are few health facilities;
- using cholera cots to check how much fluid the patient is losing;
- giving food to patients as well as ORT. Governments in the region, together with WHO, PAHO and USAID are now developing a co-ordinated plan of action to control cholera in Latin America.

**News and letters**

Dialogue on Diarrhoea, issue 46, September 1991. Printed in the United Kingdom by Bourne Offset Limited. ISSN 0950-0235

**Sources**

Norbert Hirschhorn and William B Greenough of all aspects of ORT. Dr Norbert Hirschhorn has been a member of the Dialogue’s editorial advisory board since the newsletter began in 1980.

**Progress in ORT**

The May 1991 issue of the popular and respected magazine *Scientific American* features a comprehensive review by Norbert Hirschhorn and William B Greenough of all aspects of ORT. Dr Norbert Hirschhorn has been a member of the Dialogue’s editorial advisory board since the newsletter began in 1980.

**Drugs and dysentery**

I read the supplement on shigellosis in *Dialogue* with keen interest. However, we have been taught in the laboratory to use nalidixic acid, along with nitrofurantoin, on urinary pathogens only. Is treating shigellosis with nalidixic acid a new development?

**Terrence Akaa Ijir, P O Box 491, Makurdi, Benue State, Nigeria.**

**Dr Bennish and Dr Salam (authors of the supplement) reply:**

Nalidixic acid is used for treating acute dysentery only in areas where Shigella are resistant to ampicillin and cotrimoxazole. But your letter raises an important point. You are correct that nalidixic acid, like nitrofurantoin, has been used in the past only for the treatment of urinary tract infections. This is because nalidixic acid given by mouth is poorly absorbed, and the concentration of the drug is therefore too low to be effective against most infections. The exception to this has been infections of the urinary system, as nalidixic acid is excreted by the kidney and concentrated in the urine.

We have shown that nalidixic acid is absorbed sufficiently to be effective in the treatment of Shigella infections. We recommend routinely testing all Shigella isolates for susceptibility to nalidixic acid, as well as the standard antibiotics. If the prevalence of resistance to ampicillin and cotrimoxazole is more than ten per cent, nalidixic acid is recommended.


**Success in Trinidad**

We have benefited a great deal from the information in *Dialogue*. The Health Basics supplement on oral rehydration therapy helped us enormously in our teaching sessions with parents, student nurses and other health personnel. We wish the newsletter another successful decade!

In our unit we are celebrating ten years of controlling diarrhoea by the use of oral rehydration therapy. When we started the unit we encountered problems similar to those experienced in other countries, especially in getting parents and doctors to accept this type of treatment.

We have overcome most of these problems successfully. Now nearly 60 per cent of our children have appropriate home fluids at home before coming to the unit for follow-up treatment. Our success is due to health education programmes carried out at the unit and health centres, and in the mass media.

**Cynthia Scipio, ORT Unit, General Hospital, Port of Spain, Trinidad.**

Ed: The Health Basics ORT supplement is still available to readers from AHRTAG.