Sri Lanka, a developing

country with almost equal

socio-economic condition

each year only from six pre-

ventable killer diseases - te-

tanus, measles, whooping

cough, diphtheria, poliomyeli-

tis and tuberculosis. All of

proper vaccination.

these can be avoided through

The single diarrhoeal dis-

ease snatches away about

4,00,000 lives per year. Most

of the victims are children.

The disease can be eradicated

by building community aware-

ness about sanitation, personal

hygiene and assuring safe

drinking water. You will never

find a child who has not suf-

fered, atleast once a year from

diarrhoea. By assuring save

drinking water some other

water-borne catastrophic dis-

eases like Jaundice, typhoid

blind every year and become

morbid and burden for him-

self, for the family, community

and at large for the nation

This happens only due to vita-

min 'A' deficiency. High po-

tency vitamin 'A' capsules are

being supplied absolutely free

from UNICEF through National

Nutrition Council. Still the fig-

ure has changed from 30,000

to 40,000 within a couple of

years. There is one and only

one Upazila in the whole coun-

try from where the problem

has been completely eradi-

cated. It is Mirzagong in

Patuakhali district, 300 kms

consideration (except vitamin

A deficiency), the incidence

is 100 per cent. Very few have

appropriate weight according

to their age which doesn't

come in percentage. Not only

that their height is also af-

fected, most of them are

stunted due to chronic malnu

Almost cent per cent peo-

ple suffer from parasitism. So

stool examination for parasite

is no longer of any significant

importance except to know

exactly about the particular

it can be called a national dis-

ease. In village and urban slum,

the rate of incidence is about

100 per cent. As this ugly dis-

ease does not threat the life

instantly, it usually never

draws attention. As a result it

goes untreated, which subse-

quently may be so dangerous

threatening kidney diseases

that it might contribute to life

respiratory diseases take some

more lives which can be saved

by early detection and simple

treatment with oral penicillin.

It should be noted that except

the last (pneumonia and other

respiratory disorders), none of

the above mentioned problems

exist at all in Japan or Sweden

or any other developed coun-

facing such crisis? There are a

good number of contributing

factors, some are being dis-

cussed here.

education).

the problems.

commitment.

Then why our children are

Very low literacy rate —

both institutional and

functional and poor sani-

tation and poor knowledge

about hygiene (Health

Very few skilled health

personnel who realises

the problem and can find

out strategies to sort out

Lack of political and social

Pneumonia along with other

Scabies is so common that

type of the parasite.

If malnutrition taken into

away from Dhaka.

trition.

About 40,000 children go

etc. also can be prevented.

About 250,000 children die

except a high literacy rate.

Tea Helps to Fight Disease

quite strong. There is growing evidence that can reduce blood cholesterol, which helps against high blood pressure and heart diseases.

It helps combat cancer and fights virus and bacteria, as well as help prevent tooth de-

Tea without milk and sugar hardly contains any calories and may be used where a low calorie intake is desired. Tea with lemon is rich in Vitamin C. Tea is low in sodfum but rich in potassium.

"It is obviously much more than a simple refreshing drink," according to a Food and Agriculture Organisation (FAO) report on tea consumption and human health.

For centuries, tea has been considered to possess curative powers for a variety of illness, especially in China and India. In developing countries, tea has long been regarded as a comparatively safe drink because the water is boiled when the tea is brewed.

The addition of milk and sugar to tea also provides a certain amount of nutrition, especially in countries where many people fail to consume the minimum amount of calories required for good health.

However, the close scientific scrutiny of tea's therapeu tic value and its impact on human health has been done only in the past four decades, and findings have not always been conclusive. The FAO report highlights research on the positive aspects of tea consumption on human health.

What is clear - and the most universally accepted value of tea consumption - is its beneficial role in maintaining the proper fluid balance required by the human body.

The amount of fluid lost daily by a human being varies, depending largely of individual intake and the amount of water vapour lost through exhalation and perspiration. However, the minimum water loss by an adult is 1.1 litres (2 pints). It is imperative that the body recovers at the very least this minimum amount of liquid ev-

nary diseases are major

killers that can strike

people in the prime of life.

They account for millions of

unnecessary deaths each year.

It is hardly surprising, then,

that much research has been

done into the causes of heart

Poor diet

Stress

by A special correspondent

About two-thirds of total body weight is water. A fluid loss of just over 1 per cent of body weight can result in dehydration.

Tea is a good source to maintain this fluid balance. which is vital to such basic functions as regulation of body temperature, transports of nutrients and hormones to the cells, transport of waste products from the cells and the lubrication and catalysis of many biochemical reactions.

Tea is also low in carbohydrates - only 4 to 5 per cent in a cup. Tea can thus be used extensively in low-calorie di-

The fluorine content of tea varies between 3 and 260 parts per million, or even higher, in a normally brewed cup of tea. There is lack of diovascular system. On the whole, when consumed in the form of brewed tea, caffeine does not appear to have any harmful effects.

In general, it has been conclusively indicated that there is no connection between tea consumption and atherosclerosis, or the hardening of the arteries brought about by high cholesterol levels. Indeed, studies in Israel and Finland have shown that blood cholesterol levels decrease with tea consumption.

In certain tests carried out on rats,-mice and rabbits by Chinese and Japanese scientists, it has been reported that certain extracts from green tea, when administered, resulted in a lowering of blood cholesterol.

"In the final analysis," says the FAO report, "it can be ar-

Habitual green tea drinkers in Japan's Shizuoka province have considerably lower incidence of cancer compared with those who drank the brew less frequently

whether this is beneficial or not. The implication of teadrinking in areas with high fluorine content in water has not been thoroughly studied. But in areas where the water is fluorine deficient, fluorine in limited quantities helps combat tooth decay.

controversy surrounds the intake of caffeine in tea, despite growing evidence that a normal intake of caffeine, when consumed in tea brew, is not harmful to human health.

The presence of caffeine in tea is. 2.5 to 5 per cent on a dry weight basis. Out of this, about 80 per cent is extracted when tea is brewed with hot water in a normal manner. A daily consumption of 5 to 6 cups of tea means a caffeine intake of less than half a gram (0.3 grams) which is well below tolerable limits prescribed by the British Pharmaceutical Code for the medical administration of pure caffeine.

Tea does not appear to have any adverse impact on the car-

consensus among scientists gued there is reasonable evidence from experiments conducted to date that tea or some of its derivatives have either no influence on, or help in lowering, blood serum cholesterol.

The chemicals so far found in tea also do not indicate that tea may cause cancer. In March 1991, the International Agency for Research on Cancer placed tea in category 3 (carcinogecity is classified on a scale of 1 to 4 in descending order). This means that there is no or inadequate evidence that tea is cancer-causing.

Still, over the past two or three decades, cancer of bowels, breasts, ovaries, bladder, pancreas, bones and kidneys had been linked to caffeine through coffee and tea. But it seems the studies have been

For instance, in parts of China, eastern Iran and southern Soviet Union, an above average incidence of cancer of the esophagus has been observed. Although the precise

cause is not known, the cancer has been linked to a tea-drinking habit.

However, a study of this phenomenon did not take into account the dietary habits (salted, pickled food) and malnutrition coupled with drink ing tea at extraordinarily hot

Among all studies undertaken for tea and urinary blad der cancer, only one showed significant relationship. "At best, it can be said there is very little likelihood that teadrinking could lead to cancer of the bladder," the FAO report

It also quotes the National Academy of Sciences, United States, which says "there is no convincing evidence relation tea consumption to any type of cancer" and "tea drinking has not been associated with an increased risk of any chronic disease in humans."

A number of studies have been conducted by Japanese and Chinese scientists on the effect of crude extracts of black and green tea which in hibits cancer growth.

It-was observed that cancer related deaths both in males and females were much lower in the Shizuoka province of Japan. Researchers have found that habitual green tea drinkers showed considerably lower incidence of cancer compared with those who drank green tea less frequently.

Polyphenols are present in most plant tissues where they may form part of the defence system against predators. Soluble polyphenols constitute about 15 per cent of black tea. For many years, certain tea polyphenols have been shown to strengthen cell walls of blood vessels and regulating their permeability.

"It is strongly suggested that polyphenols affect adrenalin levels which, in turn leads to strengthening of capillary activity, anti-inflammatory action, normalisation of thy roid hyperfunction, etc. These actions appear to be more pronounced when green tea polyphenols are used rather than black tea," the FAO report - Depthnews Asia

Child Health Care I NFANT Mortality Rate Inumber of infant (0-12 months age group) death in Facing Crisis

the first year per 1000 live by Dr M A Bari births, is 109 in our country. This figure is only 05 in Japan While 55 million children and Sweden. It is only 26 in

in the country have been facing the above mentioned simple problems, it is funny enough to know that we have only 140 Paediatricians (both physicians and surgeons) including those who have been serving abroad. Out of these 140 about 30 are

without knowing anything about child health one can come out successfully to be a medical graduate. After that he has 30 days training in paedi-

This might be a good joke. Within 30 days he really cannot learn anything. As a matter Fifty per cent of our total hospital beds should be kept reserved for children population, this will allow the medical students to grow interest in the subject and facilities to develop skill and to build up a nation-wide awareness about children's right including health.

Immediate steps should be taken to start DCH (Diploma in Child Health) Courses in all medical colleges to produce more



That is how the children make it in Bangladesh

engaged in Shishu Hospital, one single institution, 47 are free lancer practising at their own initiative mainly in the greater Dhaka city. Another 20 have been serving in P G Hospital, Dhaka Medical College Hospital and Sir Salimullah Medical College. Of them two three are holding teaching posts in each peripheral medical colleges and the rest have been serving in sporadic manners in different government hospitals and in private chambers. Of the trained personnel, some are being wrongly posted. Dr. Syed Zahid Hossain, a fellow paediatrician is holding a post of adult physician in Patuakhali Sadar Hospital. He has spent more than a decade to train him up to deal with child health problems, but he is not allowed to serve the nation with his talent and skill; rather has been pushed to do some odd jobs. Another fellow Dr Rahman had been first posted as M O Department of Anatomy (job of a junior MBBS doctor), Shere-e-Bangla Medical College, then got the posting of medical officer, surgical outpatient department of the same medical college and now after three years as medical officer, Sadar Hospital, Barisal.

been posted in blood bank. The 18,000 graduate doctors did not study paediatrics as a major subject in their under-graduation course. It is just a negligible part attached to adult medicine. The examiners are adult physicians and

Some child specialists had

of fact, while the 50 per cent of our total population are children, for each adult doctor there should have been two of them paediatrics-oriented; because there is a good deal of difference between an adult and a child. For example, a) The children faces a group of problems relating to their birth (before, during and after), b) There is a major part of vaccination, rearing and caring and physical growth and mental development monitoring etc. c) Almost all the problems the adult faces may happen to the children as well. So out of three phased job mentioned in case of children, the adult don't face the first two and overall the child neither can express nor wait and while he is sick the whole family is disturbed. The mortality and morbidity rate of the children of any nation is inversely proportional to its economic growth and social wellbeing.

It is easier to highlight any problem but difficult to find out any need-based appropriate solution. Here some outlines have been drawn.

Child Health (Paediatrics) should be a separate major subject and need-based texts should be prepared to be taught in undergraduation courses, so that all graduate doctors have enough knowledge to deal with day-to-day problems of our children population and it should be followed by at least 6-month training during interneeship for all.

specialists and to pay equal respect and importance to the teachers serving in periphereal medical colleges which are lacking at the moment. BPMPA (Bangladesh Private Medical **Practitioners Association**

with collaboration with members of BPA Bangladesh Paediatric Association should arrange short courses for at least six months on child health consisting of need-based curriculum to orient young general practitioners and subsequently may develop post-graduation course for them. If audio-video method is applied middle

busy and practising in remote areas and can't offer lengthy period of six months may purchase or hire cassettes to upgrade themselves. Government concerned offices should take immediate steps to correct odd posting of the paediatri-

aged and senior general

practitioners who are very

cians, to create more posts so that such a small number of highly skilled manpower is not wasted.

Government Health administrators (Service delivery system) should be made more functional and accountable about the preventable diseases to combat the crisis. The civil surgeons are the basic unit for the purpose.

Changed Lifestyle Cuts Down Heart Attack in Iceland reduced by taking appropriate EART attacks and coro-

by Dr. Sanjiva Wijesinha

attacks and coronary heart

Medical science has now identified the risk factors that contribute to the development of these conditions, and doctors have accepted that pre-

HEART

vention is the most effective wcapon against coronary heart

sure and increased blood cholesterol - the prime causes of heart problems - can all be

Cigarettes

Smoking

Lack

exercise

significantly cut if people are disease. made aware of the risk factors Smoking, high blood pres

and are motivated to change their lifestyles. Until recently the truth of this theory had never been studied, mainly because re-Death by heart disease

> period of time. Such a population is neces

In late 1990 a team of re-

And it not only confirms what the medical research workers have been preaching all along, but also lends weight to the advice of individual doctors to their patients to cut smoking, change food habits and keep taking blood pressure pills if they do not want to suffer a hart attack.

stable population of around a quarter of a million. The people are ethnically homogeneous (of Nordic stock), have similar living habits, and rarely migrate.

Moreover, since Iceland is sumed by the population.

Researchers found that less than they used to. Whereas 54 per cent of men and 42 per cent of women were smokers in 1968, only 25 per cent of men and 29 per cent of women were found to smoke

In fact, all three rick factors have been gradually reduced over the last 20 years. The average level of serum cholesterol in the population fell by six per cent in men and 11 per cent in women - while av-

erage blood pressure fell by 16 per cent in men and 19 per cent in women.

The proportion of the population diagnosed as having high blood pressure and taking medication to keep their pressure under control had more than doubled during the period under review.

The pattern of food consumption was found to have changed considerably, resulting in a marked decrease in the consumption of animal fats.

The average daily intake of whole milk was nearly halved, from 767 grams daily per person to 410, while the daily intake of butter and margarine fell from 59 to 46 grams. Icelanders are the largest consumers of fish in Europe,

each swallowing 120 kilograms of fish each year. In 1982, low fat milk became available in Iceland, and subsequently low fat butter and

margarine, which also accounted for a reduction in dairy fat intake. Overall, the composition of the average lcelander's diet has changed to include more carbohydrates and less saturated fats. Although the amount of meat eaten has not changed,

there has been a trend towards eating healthier meats such as tuberculosis, like chest x-rays chicken and lean beef instead or tuberculin skin tests either of the higher fat lamb and mutgive doubtful results or do not - Gemini News | produce reactions in HIV-post

Carriers Infected

FTER declining worldwide for some 32 years, tuberculosis (TB) is on the rise again. In its latest incarnation, the killer plague has surfaced as one of the opportunistic diseases attacking AIDS (acquired immune deficiency syndrome

sufferers. US medical experts say they are hamstrung in the fight against the TB resurgence by the near impossibility of de tecting the disease in patients with AIDS. When people are infected with the human immuno-deficiency virus (HIV) which causes AIDS, tuberculosis is more likely to set in due to the weakened immune system, the World Health Organisation (WHO) says.

The WHO estimates that about three million people worldwide who are HIV carriers are also infected with TB.

TB has been spreading rapidly in US prisons, homes for beggars and homeless people and drug rehabilitation centres where about 40 per cent of the patients are afflicted with HIV.

Existing tests to detect

tive patients.

As a result, doctors often overlook the presence of TB in a symptomatic people, thus depriving patients of early treatment to prevent more infection or eventual death.

The rod-shaped bacilli that attack the lungs and cause TB are spread by coughing, sneezing and spitting. Contrary to common belief, handling a patients' personal belongings does not cause infection. Close continued contact does.

"There is nothing we can do to detect TB early," said Michael Iseman of the Jewish National Centre for Immunology and Respiratory

Medicine. The difficulty in diagnosing TB has caused a 900 per cent

increase in TB cases in prisons in New York and Texas in the past 10 years, Iseman said. He said he was sure the upsurge contributed to the rise in HIV contaminations. Official records show that there were

about one million new HIV-

positive cases in the United States this year. Since the disease was first

discovered in 1980, the number of people in the United States with AIDS has risen to almost 200,000, according to the Centre for Disease Control in Atlanta. Some doctors have started

to develop new tests for people with a weak immune system. But experts say the methods will be more expensive and will not be immediately available to all patients.

WHO records show that there are about eight million new cases of TB per year and nearly three million people die yearly from the disease. About 1.7 billion people, one-third of the world population, are carriers of the TB bacteria.

Most of TB deaths occur in developing countries. Last year, about 1.8 million people in Asia died of TB, mostly adults aged 15 to 60.

Over 650,000 people died in Africa, 220,000 in Latin America and 163,000 in the Middle East countries with the largest number of TB cases are Bangladesh, Brazil, China, India, Indonesia, Nigeria, Pakistan, the Philippines and Vietnam.

M2618

Sweden

US USSR Australia 37.2 37.1 35.2

38.3 Israel

Percentage risk

(1988)

Guatemala Sri Lanka South Korea

9.6 8.4

34.1

11.9

search workers could not find a non-mobile, homogeneous population which could be continuously monitored over a

Deaths due to heart at

tacks, it is believed, can be

sary so that gradual changes in lifestyle can be observed and compared with the occurrence

of heart attacks and deaths due to heart disease. scarchers from the Icclandic

Heart Association and the Icclandic Nutritional Council, led by Dr Gunnar Sigurdsson, chief physician at the Rcykjavík City Hospital, completed just such a study.

Iceland has a relatively

More than half the population lives in the capital city, Reykjavik, which made the survey's 13,000 randomly selected subjects readily acces-

totally self-sufficient in meat and dairy products and prohibits their import, it was relatively easy to fine out how much of these foods was con-

The research project studicd the changes in the three risk factors over a 20-year period from 1968 to 1988 as well as changes in the consumption of meat and dairy products during this time.

Icelanders now smoke much in 1988.