

PUBLIC HEALTH AWARENESS

Addressing three reasons that cause maternal death

AMZAKIR HUSSAIN

Obstructed labor, hemorrhage eclampsia and abortion are responsible jointly at least for 90 percent of deaths among pregnant women in our country. Meeting the gap between the felt needs and provision of contraception (which is 11 percent at present), will prevent abortion deaths to a large extent Interventions are available, but not accessible largely to prevent or manage obstructed labor, toxemia (condition which can affect pregnant women towards the end of pregnancy, where the patient develops high blood pressure and passes protein in the urine) and hemorrhage.

15 percent of the pregnant women are at risk of getting their pregnancy complicated at any stage. which is however, unpredictable. 5 percent of them would require a caesarian operation to save lives. Adequate and appropriate ante-natal and post-natal care can detect these problems for their timely management. The most crucial intervention is to ensure and facilitate antenatal and postnatal care for them.

Inaccessibility, and also, unavailability of services are caused or compounded by delays at three stages due to familial social, infrastructural and provider barriers. One is delay in taking decision in the family to seek service in pregnancy. This is governed by family and social norms, practices and customs. To address this a strong all out communication and advocacy is needed among the family decision makers and opinion leaders.

The second delay is in arranging transports. This may be a sequel of delayed decision, e.g., decision taken when the condition is precarious at the dead of night in a remote village, far from a health facility, without any proper transportation and communication system. This may be ameliorated if services are sought in time and preemptive arrangements are in place. This second delay therefore is the easiest to manage

The third delay relates to availability of services. This may happen when the health facility is incapable of providing the required services due the lack of manpower, skill, medicine, blood or



background of the society. Women fundamental move to make people are to be meek, submissive, subseek services. This would need servient, tolerant, soft and caring availability of trained and commitand should not complaint about ted service providers and logistics their discomfort. So women tradisupported with good governance, at effective levels. Past experience tionally, shy away from venting their agonies until unbearable and teaches us that an effective option already late. Decision is then taken to this end would be to go for need by those who themselves would be and competency based training, least affected by the outcome of the prioritising those who would stay in decision and who would cling to their place of posting, after traintheir age-old beliefs and practices. ing. The present practices of Wrong decision needs to be counundertakings to keep trained tered with hard facts. This means personnel in their place of posting that the advocates and communicafor certain period of time, after tors have to be sufficiently empowtraining, has not worked, nor there ered. Communication is more is any proof in the horizon that it will effective when it is provided in a work in near future. Adoption of the community as a group, to reap the suggested approach will be facilibenefit of social dynamics, which tated if the present rules of medical facilitates reinforcement of positive practices, that have been framed group thoughts, which might roll for the developed countries by the down to the formation of community experts of the developed counsupport groups, that would influtries, are modified to suit the situaence family decisions and create tions in the rural areas of the develother support bases. Motivation oping countries, e.g. training of alone however, will not be all effecgraduate nurses to work as anestive, since there are economic thetic para-medics. to work in reasons of delay in service seeking. absence of a trained physician A piloting of a demand side financanesthetics, if required. This would ing (voucher) scheme for availing ease the problem of unavailability maternal services is being impleof a team of physicians required to mented by Ministry of Health & provide comprehensive emer-Family Welfare. This may fill up the gency obstetric care in an upazila void that exists now in service nealth complexes, as happens seeking behavior of the poor. now.

People in rural areas are cash When supply of logistics does starved to pay for transportation or not commensurate with a training medical supplies in emergency or availability of trained staff, the situation. There are examples, in steam that is generated by training different parts of the country, of evaporates quickly. Secondly if the how the problem may be manservices are made available late aged, e.g. CARE Dinajpur project into the mandatory period of stay of on safe motherhood that has been a trained staff. a seed of demand scaled up to Sylhet. The scaling up which is just sown, would die fast. experience of this project is also as the staff would leave before it applicable in other settings of the country. Thana Functional Improvement Pilot Project also showed how locally managed and locally appropriate transports may be made available in emergency situations. Urban Primary Health Care Project of Ministry of Local Government, Rural Development & Cooperatives has experience of enlisting volunteers for emergency blood donation. Other similar experiences exist in the country. that may be replicated to address the second delay. Demand creation will be futile if the demand cannot be met. The demand will soon die down. Making the required services available

CHILDHOOD OBESITY Making weight loss a family affair

Create a healthy-weight

As you work toward healthy habits

and behaviors, create a home

environment that supports these

efforts. For example, make sure

healthy foods are readily available.

Serve fruits and vegetables with

meals and remove high-calorie,

high-fat foods from the home

A healthy-weight environment

also means that exercise and

physical activity are built into the

day's routine. Encouraging the

kids to play outside to ride bike or

play outdoor games with friends,

for example - is a good way to

keep kids active. Organise family

outings that involve physical

activity, such as walking or playing

Other ways to create a healthy-

Remove sugar-sweetened

• Offer more whole-grain foods

Reduce the number of meals

eaten out at fast-food and other

Sit down together for family

meals and have that meal last at

at a park.

restaurants

least 30 minutes.

weight environment:

drinks from the home.

with meals and snacks.

buying them just occasionally.

environment

STAR HEALTH DESK

Children cannot change their exercise and eating habits by themselves. They need the help and support of their families and other caregivers. This is why successful prevention and treatment of childhood obesity starts at home.

Childhood obesity is usually caused by kids eating too much and exercising too little. So creating new family habits around healthy eating and increased physical activity can help a child lose weight and can also improve the health of other members of the family

Change family behaviors

Many behaviors contribute to childhood obesity, whether it is the time spent in front of the TV or computer or the types and amounts of food eaten. These behaviors or habits are hard to change within a family, especially if members are not ready, willing or able to make changes. Small, progressive steps can help. Keep in mind the following helpful hints.

• It is not a race. The first rule of change is to not make changes too quickly. It takes time and dedication to unlearn unhealthy behaviors and to develop new, healthy ones.

• Think small. Small, gradual changes are easiest to follow and incorporate into your daily lives. And small changes can make a big difference over time. Pick a few small changes that seem doable, for example, turning off the TV during dinner, switching from soda pop to milk or water, or taking a walk after dinner once a week

• Set individual and family goals. Goals need to be achievable and measurable. Set specific goals for each family member, and then determine family goals. For example, your child's goal might be to eat fresh fruits and vegetables for afternoon snacks, and the family's goal might be to eat out at a fast-food restaurant only once a month.

Banishing bad breath

TAREQ SALAHUDDIN

You lean over to whisper some-

comfortable and less embarrassed about accepting your piece of chewina aum.

ask someone who will give you

at least twice a day and flossing once a day. Brush your tongue, If you suspect your own breath is too, because bacteria can grow there Flossing once a day

• Remove TVs and computers

healthy behaviors, be sure that all

members including parents stick

to the plan. For example, if you

take the TV out of your child's

bedroom, make sure to take the

TV out of your bedroom as well.

Consistency is crucial to creating

The best way to get your child on

board with the new, active lifestyle

is to commit to the changes your-

self. Your actions teach your child

what to eat, how much to eat and

when to eat. You also encourage

your child to be physically active

every day if you make it a priority

Here's how you can be a posi-

• Eat more healthy, nutritious

• Limit the number of treats and

• Be physically active every day.

· Limit the amount of time you

spend watching TV or playing

Control your portion sizes.

high-calorie snacks you eat.

Be a positive role model

a healthy-weight home.

vourself.

foods.

tive role model:

computer games.

As your family establishes

from children's bedrooms.

Did You Know

Women with low vitamin D levels have small infants

Pregnant women with relatively low amounts of vitamin D in their diets tend to give birth to smaller infants, a new study suggests.

Canadian researchers found that pregnant women who drank little milk or had a lower vitamin D intake tended to have smaller babies than women with higher intakes. Fortified milk is a primary source of vitamin D.

"Absence of vitamin D seems to be what's driving this," study co-author Dr Kristine G Koski, of McGill University in Montreal, told. What's more, the study

suggests, vitamin D deficiency is not required to potentially affect fetal growth. Although vitamin D intake

was lower among women who avoided milk, it was still, on average, within the recommended range. This suggests that pregnant women need more than the current "adequate" intake level for vitamin D - 5 micrograms for adults age 50 and younger, Koski said

Vitamin D may be best known for its role in bone health, but it is also believed to be important in immune system function and growth and cell maturation, among other jobs.

There has been little research, however, into women's vitamin D needs during pregnancy. The adequate level set for all younger

old research on the amount of vitamin D necessary to prevent the bone disease rickets. The study included 279 pregnant women who were interviewed several times about their diet and use of vitamin and mineral supple-

ments. Seventy-two women restricted milk intake, while the rest did not restrict their consumption. On average, the researchers found, infants born to

women who drank less than one cup of milk per day were more than 4 ounces lighter than newborns whose mothers drank more milk.

Neither protein nor calcium two key nutrients in milk predicted birthweight. But vitamin D intake did, with each extra microgram translating into a small gain in newborn weight.

Women who don't drink milk, Koski said, should be sure to get vitamin D from supplements and other foods that are fortified with the vitamin, such as certain brands of breakfast cereal.

soymilk and margarine. The findings also support calls from some experts that North American officials reconsider their definition of adequate vitamin D intake as has been done in Europe, according to Koski and her

adults is based on decades-

Source: Canadian Medical Association Journal

colleagues.

RESEARCH UPDATE

Antihistamine could fight malaria

REUTERS. Washington

An allergy drug pulled off the market in 1999 could work to treat malaria, US researchers reported recently.

The drug called astemizole can kill the Plasmodium falciparum parasite that causes malaria.

ness in killing Plasmodium Researchers from the and found that astemizole Johns Hopkins University Schools of Medicine and Public Health tested your mouth by brushing your teeth astemizole in test tubes and in mice. Moderate doses reduced the numbers of Plasmodium parasites by 80 whose tion also could be affected by the malaria drug chloroquine. In mice resistant to chloroquine, the antihistamine reduced parasite numbers by 40 percent. The best treatment is with compounds known as artemisinins. They have been shown to reduce deaths from malaria by up to 30 percent if used properly and can cure falciparum malaria in seven days. In combination with said

was one of the more promis-Janssen withdrew astemizole from the US and European markets in 1999 after warnings about the drug's safety. It could cause

other drugs they can do the

older, much less effective

drugs because the newer

drugs are not available and

For their study, Sullivan's

team screened 2,687 known

drugs for potential effective-

Yet many countries still use

iob in three days

are expensive.



equipment. Lack of knowledge on the part of the service seeker about the type and degree of services available in a given health facility is one unfortunate reason. Despite no apparent reason, the attitude of service providers may be a stumbling block itself that may be solved through incentives which would keep the service provider's interest of serving the people alive. It is only humane that at least the good performers are rewarded and honored, if the reverse is not possible as well, i.e. unscrupulous cannot be punished for the lack of political understanding.

The delay in decision making at home hinges on the anthropological

H

pe ag bil yc wi re

foreseeable time; as the breaching of the trust of rural folks takes time to get restored. The beauty of sustained demand generation is that it is self perpetual: beneficiaries can be mobilised relatively easily to work around the problem of non availability of service providers, in case such a situation arises, e.g. recruiting community paid health providers.

root, not to

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Health of Asian Development Bank. He is former Director, Primary Health Care and Disease Control Directorate General of Health Services

first of all should therefore be the Statistics on reproductive health

Half of the world's beople are under the tige of 25. Some three villion children and roung people are, or vill soon be, of eproductive age.	Universal access to reproductive health, including family planning, is the starting point for a better future for the 1.5 billion young people (ages 10 to 24) who live in developing countries.	In 57 developing countries, over 40 per cent of the population is under 15.	The number of youth in the world surviving on less than a dollar a day in 2000 was an estimated 238 million, almost a quarter (22.5 per cent) of the world's total youth population.	Despite a shift toward later marriage in many parts of the world, 82 million girls in developing countries who are now aged 10 to 17 will be married before their 18th birthday.

by the look on your friend's face that something is up. Could it be your breath? Maybe you should not have put extra onions on your

fast food at lunch. The good news is that bad breath happens to everyone once in a while. Let us find out how to detect it, preventit, and even treat it.

What is that smell?

Bad breath is the common name for the medical condition known as halitosis. There are many different things that can cause halitosis from not brushing your teeth to certain medical conditions.

Sometimes, a person's bad breath can blow you away - and he or she may not realise there is a problem. There are tactful (nice) ways of letting a person know that he or she has bad breath. You could offer mints or sugarless gum without having to say anything.

If you need to tell a friend he or she has bad breath, you could say that you understand foods can cause bad breath because you have had it before yourself. By letting someone know that bad breath is not something unusual. you will make the person feel more

an honest answer without making fun of you. Although everyone gets bad breath sometimes, if you have bad breath a lot, you may need to visit a dentist or doctor. What causes bad breath?

Here are three common causes of bad breath 1. foods and drinks, such as garlic, onions, cheese, orange

iuice, and soda 2. poor dental hygiene, meaning you don't brush and floss as you should

3. smoking and other tobacco use Poor oral hygiene leads to bad breath because when you leave food particles in you mouth, these pieces of food can rot and start to smell. The food particles may begin to collect bacteria, which can be smelly, too. Plus, by not

brushing your teeth regularly, plaque (a sticky, colorless film) builds up on your teeth. Plaque is a great place for bacteria to live and vet another reason why breath can turn foul. Preventing smelly breath

Don't smoke or use tobacco products, of course. And take care of

get rid of particles wedged between your teeth. Also, visit your dentist twice a year for regular checkups and cleanings.

If you are concerned about bad breath, tell a doctor or dentist. But don't be surprised if he or she leans in and take a big whiff! Smell is one way doctors and dentists can help figure out what is causing the problem. The way a person's breath smells can be a clue to what is wrong. For instance, if someone has uncontrolled diabetes, his or her breath might smell like acetone (the same stuff that is in nail polish remover).

You may have bad breath all the time and the reason may not be determined by a dentist. Because, some other pathological condition may cause the problem. Sometimes sinus problems, and rarely liver or kidney problems, can cause bad breath.

Usually, there is a less complicated reason for a persons's bad breath - like what you had for lunch. So keep up with your brushing and flossing and you should be breathing easy - and odor free!

but e-threater heart arrhythmias when patients took an overdose or with drugs that affected its metabolism.

But similar arrhythmias are reported with existing malaria drugs and other antihistamines now sold over the counter Astemizole is still used in 30 countries, including Cambodia, Thailand and Vietnam where malaria is endemic, the researchers

Yellow or amber-tinted sunglasses safer

REUTERS, New York

When picking out a pair of sunglasses, it is best to avoid blue-tinted lenses and instead to choose yellow- or ambertinted lenses, advises an eye researcher.

"Yellow- and amber-tinted sunglasses filter out blue light, reducing the amount of blue light getting to your eye," Dr Janet Sparrow, professor of ophthalmic science at Columbia University Medical Center in New York explained.

would reduce blue and that's what you want.' colors of light. sure to buy UV-blocking sunglasses. "Not all sun-

plained.

glasses block UV light, so it's important to buy sunglasses that have been tested for UV blocking capability and they really should block all UV light," she said. "UV blockers have no color to them, they are just a type of glass that blocks UV light," she ex-

Dear Doctor My doctor says I have degenerative changes in my spine. What does that mean? Is it arthritis? Regards,

Dhaka Answer:

Prof Dr M Amjad Hossain tive arthritis or degenerative joint

Head, Department of Orthopaedics & Trauma Surgery Dhaka Medical College

Milon Mahmud

The phrase "degenerative changes in the spine" refers to osteoarthritis of the spine. Osteoarthritis is the most common form of arthritis. Doctors may also refer to it as degenera-

disease Osteoarthritis may affect any

joint in your body. When it affects your back, it causes slow deterio-

ration of the disks between the bones (vertebrae) in your spine. This results in narrowing of the spaces between the vertebrae. Bone spurs often form. When bone surfaces rub together, the vertebral joints (facets) and

areas around the cartilage become inflamed and painful. Gradually, your spine stiffens and loses flexibility. Once these changes appear on X-rays, osteoarthritis has already started.

If you have osteoarthritis, your doctor will work with you to develop a treatment and pain management plan, which may include exercise, medications and measures to protect your

joints. Your doctor may also refer you to a rheumatologist, physical therapist or orthopedic surgeon.

Dear Doctor

Source: WHO

Your Doctor

take a nonsteroidal antiinflammatory drug (NSAID) ibuprofen daily for arthritis in my hands. I am a young man - 27 years old. I don't like taking so much medication, and I am wondering if I can cut back and only take medication on days that I have pain.

Please, suggest me a solution. Best regards – Rongon Chittagong Answer:

If you are using an over-thecounter medication, such as ibuprofen, you can generally adjust the amount you are taking to match your level of pain. This is especially true if the severity of your pain varies. For example, some people experience a flare of arthritis symptoms after increased physical activity. Using the full recommended dose of a medication for several days should help decrease pain and inflammation. When symptoms improve, you can cut back to one

or two tablets every few days. If your symptoms don't recur, you can stop taking the medication and just take it when you need it. On the other hand, if your

arthritis symptoms are more constant, you may find that staying on a set dosage of the medication all the time provides maximum relief of symptoms. This is because nonsteroidal antiinflammatory drugs (NSAIDs) must be taken for several days to achieve a consistent and adequate level of medication in your blood. For this reason, taking an NSAID only when you have pain won't be as effective as taking the medication on a regular basis.

If you are taking a prescription arthritis medication, discuss any possible dosage adjustments with your doctor.

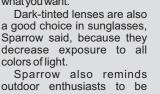
Sparrow is researching blue light exposure from sunlight as one of the causes of age-related macular degeneration, a degenerative eye disorder that is the leading cause of blindness in the elderly. "There are compounds that accumulate in some retinal cells with age and these compounds are light-sensitive," Sparrow said. Blue light excites these retinal cell compounds, fueling the release of harmful free radi-

"We see light as white, but contained in that white light

are actually different colors of

light, like the colors of the

cals



rainbow and the wavelengths

in the blue portion of the

spectrum are able to maxi-

mally excite these com-

pounds and imitate oxidative processes that can damage

retinal cells," Sparrow further

Therefore, most people

Sparrow said, regardless of

age, should avoid blue-tinted

sunglasses. "A blue lens actu-

ally selects out blue light, which

is not good - you want to dimin-

ish the blue light. A yellow lens

filters blue light, so a yellow lens

explained.