infosheet April 2012

MOBILE PHONE TEXT-MESSAGING FOR PROMOTING ADHERENCE TO ANTIRETROVIRAL

THERAPY IN PEOPLE WITH HIV INFECTION. Since the invention of the first phones for health promotion

1973, mobile phones have undergone several modifications to what we have today and are being used all over the world. In addition to the primary function of making calls, mobile phones now have many additional features such as text messaging, email, video call etc. This has made it a useful tool in many sectors including the health sector. Many studies have been carried out to assess the efficacy of mobile

handheld mobile phone by Dr.

Martin Cooper in the USA in

of maternal and newborn health, smoking cessation, weight loss and even the control of diseases such as HIV. HIV is one of the leading killers in the World. In 2010, there were approximately 34 million people living with HIV. More than 60% of those affected live in sub-Saharan

ranging from diabetes

management, promotion of safer

sex in adolescents, improvement

Africa. Although about 6.6 million people living with HIV were receiving antiretroviral therapy NIGERIAN COCHRANE CONTRIBUTORS MEETING NCCM 2012 & GRADEPro WORKSHOP

did not yet have access to treatment. Antiretroviral therapy can lead to significant reductions in mortality at the population level. It can also improve patients' feeling of wellbeing, help patients live longer, slow progression of the disease, and reduce the risk of transmitting the virus.^{2, 3} Many patients, however, find it difficult to comply with the regimens prescribed for them. Failure to adhere to ART not only jeopardizes the patient's chances of survival but can also lead to

(ART) in low and middle income

countries, over 7 million others



drug resistance with resultant treatment failure. It is therefore

important to find ways of helping

patients adhere to their

treatment. The use of mobile

phones has been proposed as a means of helping patients adhere

to ART regimens and studies have

8-11 JULY 2012

CALABAR - NIGERIA

United Nations Children's

Fund (UNICEF). Global

HIV/AIDS Response:

Epidemic update and

health sector progress

towards Universal Access.

Geneva: UNAIDS, 2011.

Organization. HIV/AIDS

fact sheet. Accessed from:

3. World Health

been carried out to find out if this is efficient. A Cochrane Review of the available evidence was published this year on the use of mobile phone text messaging for promoting adherence to antiretroviral therapy in patients with HIV infection.4 Two randomized controlled studies met the inclusion criteria for the review. These trials, both

recently initiated antiretroviral therapy. In one study, participants were randomly assigned to receive short weekly text messages or standard care. In the second study, participants were randomly assigned to receive one of four interventions (short text messages daily, short text messages weekly, long text messages daily or long text messages weekly) or to a control group. The control group

received, in addition to standard care, a mobile phone but with no text messages to promote adherence. EVIDENCE AT YOUR FINGERTIPS (From the Cochrane Library) **TECHNICAL SUMMARY**

Oral vaccines for preventing

Cholera is an acute intestinal

infection caused by the bacterium

regions and in the control of

To assess the efficacy and safety of

oral cholera vaccines to prevent

cases of cholera and deaths from

(randomized controlled

trials, guasi randomized and

cluster randomized trials).

◆ Participants were over

400,000 well adults and

children who had no

efficiency of five variations of

killed whole cell vaccines.

outbreaks in high risk settings.

cholera

Large controlled trials are, however, needed to assess whether this intervention will be effective in middle and high income countries, and also to assess their effectiveness for adolescents and caregivers of children and infants with HIV. These findings are relevant to the government and health facilities in low-income countries where text messaging could be employed to promote adherence to treatment conducted in Kenya included a total of 969 HIV infected adults especially in HIV endemic regions. who were initiating or had very Policy makers need to encourage and fund initiatives where text messaging will be used to

promote adherence to ART

I. World Health

Organization. HIV drug

resistance fact sheet.

Accessed from:

http://www.who.int/hiv/fa

regimens.

References

The review of the studies showed

that weekly text-messaging is effective for promoting

adherence to ART in resource-

constrained settings. One of the

trials also provided evidence that

weekly text-messaging could lead to suppressed HIV viral load.

cts/drug resistance/en/in dex.html 2. Joint United Nations Programme on HIV/AIDS (UNAIDS), World Health Organization (WHO),

The overall vaccine efficiency

(VE) of these vaccines during

the first year was 52% (95%

CI 35% to 65%), and was

61% (95% CI 50% to 70%)

during the second year. In

children under five, the

protective efficacy over two-

not been shown to give

significant clinical protection

from natural cholera

- http://www.who.int/medi acentre/factsheets/fs360/ en/index.html 4. Horvath T, Azman H, Kennedy GE, Rutherford GW. Mobile phone text messaging for promoting adherence to
 - antiretroviral therapy in patients with HIV infection. Cochrane Database of Systematic Reviews 2012, Issue 3. Art. No.: CD009756. 0 10.1002/14651858.CD0 09756.

Vibrio cholerae. Although very few years follow-up (VE 38%, infected people become ill, 25% to 95% CI 20% to 53%), was 50% of patients with typical cholera lower than in older age symptoms will die if untreated. groups (VE 66%, 95% CI Majority of the reported cases are 57% to 73%). in Africa. Cholera can lead to ◆ The clinical efficiency of only serious outbreaks which can have one live attenuated vaccine devastating effects. Oral Vaccines CVD 103-HgR has been may play an important role in evaluated. This vaccine has preventing cholera in endemic

Main Results ◆ The review included 39 trials

cholera.

Review objective

◆ Interventions were orally administered killed whole cell vaccines and live attenuated vaccines designed to prevent cholera. Six trials evaluated clinical

symptoms of cholera.

When is the best time to start

antiretroviral therapy in

people with HIV infection,

who have not received

antiretroviral treatment

any symptoms of HIV illness?

efore and who do not have

Antiretroviral therapy (ART) has been shown to be effective in slowing down the progression of AIDS and in reducing HIV-related illnesses and death. Traditionally, therapy is administered based on a patient's CD4 cell count, where the

number of CD4 cells reflects the

body's immune (defense) system.

An HIV-infected individual with a

CD4 cell count of 500 cells/µL is

infection in any age group. The other live attenuated vaccines included in the review are under development. **Implications for Practice** Fifty to Sixty per cent of cholera episodes can be prevented with the currently available oral killed whole cell vaccine within the first two years of primary vaccination. After this booster doses will be required. However the adoption of these vaccines for routine vaccination in endemic countries will depend on prevalence of

cholera, frequency of epidemics

and availability of adequate facilities

In epidemic conditions, cholera

vaccines are likely to have an

important impact in reducing

to provide rapid rehydration.

disease, although little high quality evidence exists on their effect in epidemic situations. (350 cells/ μ L) with ART initiation at low CD4 counts (250 cells/ μ L). Results showed that starting ART at higher levels of CD4 reduces mortality rates in HIV-infected individuals who have not received antiretroviral treatment before and who do not have any symptoms of HIV illness. Siegfried N, Uthman OA, Rutherford GW. Optimal time for initiation of antiretroviral therapy in asymptomatic, HIV-infected, treatment-naive adults. Cochrane Database

of Systematic Reviews 2010, Issue 3. Art.

No.: CD008272. DOI:

Researchers in The Cochrane

Collaboration conducted a review

of the effect of fluoroquinolone

antibiotics in people enteric fever.

10.1002/14651858.CD008272.pub2.

Fluoroquinolones for

Treating Entreric Fever

with fever are the most common

PLAIN LANGUAGE SUMMARIES Prophylactic Drug Management for Febrile Seizures in Children Seizures occurring in association

Sinclair D, Abba K, Zaman K, Qadri F, Graves PM.

Oral vaccines for preventing cholera. Cochrane

Database of Systematic Reviews 2011, Issue 3.

Art. No.: CD008603. DOI:

10.1002/14651858.CD008603.pub2.

neurologic disorder in children, affecting two to four per cent of all children. On average, one out of three children with febrile seizures have recurrent seizures. In this review the effects of antiepileptic and antipyretic medications to

prevent recurrent seizures was

examined. No significant or

important benefits of these

medications were found for

children with febrile seizures.

Adverse effects of the medications were common. The benefit found for treatment with clobazam in one 2011 study needs to be repeated to show that this finding is reliable. Meanwhile, parents and families should be supported with the adequate contact details of medical services and information on recurrence, first aid management and, most importantly, the benign nature of the phenomenon. Offringa M, Newton R. Prophylactic drug management for febrile seizures in children. Cochrane Database of Systematic Reviews 2012, Issue 4. Art. No.: Cd003031. DOI: 10.1002/14651858.CD003031.

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enteric fever responded extremely well to fluoroquinolones, but drug resistance has become a major public health problem in many areas especially Asia. What the research says

Effect of using fluoroquinolones:

Generally, fluoroquinolones are

complications and can be fatal.

The fluoroquinolones are a large

family of antibiotic drugs, which are

commonly used for a variety of

infectious diseases. In the past,

considered healthy enough not to need ART. When a patient's cell count reaches 200 cells/ μ L, however, the immune system is severely weakened and ART is necessary. A patient with advanced symptoms receives treatment regardless of CD4 count. Recommendations on the timing for ART initiation differ based on

availability of resources, leading to

confusion amongst clinicians and

policy-makers in determining the

most favorable point to begin treatment. The objective of this review is to assess the evidence for the optimal time to initiate ART in HIV-infected adults who have not previously received therapy and who do not have symptoms of HIV illness. The authors reviewed two trials which involved 1,065 participants. Both studies compared the effect of ART initiation at high CD4 counts RECENT EVENTS

Professor Martin Meremikwu (Director, NBofSACC) interacting with media practitioners On April 3, 2012, the Nigerian Branch of the South African Cochrane Centre (NBofSACC) hosted a media chat with 18 media

practitioners from fifteen media

After searching for relevant studies, they identified 26 studies involving 3033 patients. Their findings are summarized below. What is enteric fever and how might fluoroquinolones work? Enteric fever is a common term for two similar clinical illnesses known individually as typhoid fever and paratyphoid fever. These are most

common in low- and middle-

income countries where water and

Enteric fever typically causes fever

and headache with diarrhoea,

constipation, abdominal pain,

nausea and vomiting, or loss of

sanitation may be inadequate.

appetite. If left untreated some people can develop serious

CHATTING WITH THE MEDIA

A presentation was made by Mr. Ekpereonne Esu (Research

Associate, NBofSACC) introducing

the media practitioners to the

Cochrane Collaboration. After this

presentation the participants asked

questions. They were interested in

knowing how African countries are

involved in the work of the

Cochrane Collaboration and the

constraints/challenges faced by the

Nigerian Branch of the South

African Cochrane Centre

(NBofSACC) conducted a 1-day

African Cochrane Centre.

Policy makers and clinicians will need to consider local antibiotic

effective in typhoid.

resistance when considering treatment options for people with enteric fever. One relatively new fluoroquinolone, gatifloxacin, seems to remain effective in some regions where resistance to older fluoroquinolones has developed. Effa EE, Lassi ZS, Critchley JA, Garner P, Sinclair

D, Olliaro PL, Bhutta ZA. Fluoroguinolones for

treating typhoid and paratyphoid fever (enteric fever). Cochrane Database of Systematic

Reviews 2011, Issue 10. Art. No.: CD004530.

DOI: 10.1002/14651858.CD004530.pub4.

Dr. Emmanuel Effa (Training Coordinator, NBofSACC) made a presentation on Evidence based Medicine and its sources during which he highlighted the Cochrane Library as a very reliable source of evidence based health care information.

The final presentation was made by Dr. Friday Odey (Senior Research Associate, NBofSACC) on Guidelines for the Management of Severe Malaria after which a lively discussion ensued. Following this discussion and remarks by Professor Meremikwu (Director, Nigerian Branch of the South

African Cochrane Centre) on the inefficacy of Chloroquine for

treating malaria, the media

practitioners unanimously declared

that they would make effective use

of the media to campaign against

the use and sale of Chloroquine.

The Chairman of the Cross River

State Chapter of the NUJ, Mr.

Eniang Ndem remarked that they

were pleased to have been part of

National Hospital Abuja. The

primary objectives of the

workshops were to raise

awareness about EBM among all

cadres of health care providers at

the workshop.

EVIDENCE BASED MEDICINE AND COCHRANE REVIEW WORKSHOPS IN THE FEDERAL CAPITAL TERRITORY Healthcare practitioners in Abuja, It was against this background that the Federal Capital Territory of the Nigerian Branch of the South

Cross Section of Participants at the Evidence Based Medicine Awareness Workshop

The EBM workshop which took

place on the 23rd of March was

facilitated by Dr. Seyi Oniyangi

(Consultant Paediatrician, National

Hospital, Abuja) and Dr. Emeka Nwachukwu (Project Coordinator,

CDC/EFMC/REACH Project for

Comprehensive HIV/AIDS

Treatment). Forty-four healthcare

practitioners from all units and

departments of the National

Hospital, Abuja, representing the

clinical, nursing, laboratory and

diagnostic specialties, were in

Dr Obasi Ekumankama (Chairman

Medical Advisory Council

(CMAC)/Director of Clinical

Services of the National Hospital

Abuja) who was in attendance at

the workshop, reaffirmed the

commitment of the Chief Medical

Director and the Management of the hospital to continuous capacity

development for its workforce. He

made mention of the fact that a similar workshop held in 2007 had

made a significant impact on

improving medical practice at the

hospital. He therefore urged all participants to make the best of the

attendance.

houses including the Chairman and deputy chairman of the Nigerian Union of Journalists (NUJ), Cross River State Chapter. The various arms of the media - television. radio and print media were adequately represented at the event. Nigeria, will likely have significant opportunities to influence national healthcare practice and policy. There is therefore the need to build and strengthen the capacity of health care practitioners in Abuja.

Evidence Based Medicine (EBM) awareness workshop and a 2-day Research Synthesis/Cochrane Systematic Review workshop for the hospital community at the

training and get ready to influence

other team members in their

departments to practice Evidence

Dr. Oniyangi laid the foundation for

the workshop with sessions on the

'What and Why of Evidence Based

Medicine' and 'Sources of EBM

information'. Presentations were

also made on the Cochrane

Collaboration and the Cochrane

Library. The workshop also

included practical sessions on how

to critically appraise evidence and

use the Cochrane Library. At the

end of the one-day workshop,

participants who were interested in

Based Medicine.

2 - day

March).

the National Hospital, Abuja and to identify potential authors for

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Cochrane Systematic Reviews. Nwachukwu took the participants on different aspects of developing a Cochrane Systematic Review. Participants were taught how to access and navigate the Cochrane Library, were taken through the anatomy of a Cochrane Systematic Review and shown how to generate a review title. This was followed by a practical session during which participants tried to develop review titles. On the second day of the workshop participants presented their titles to the rest of the class and received input from the facilitators. Following this the Cochrane Library was searched to see whether the titles had already been registered.

Participants were also introduced

to the Review Manager Software

and taught the process of

registering a review title with a

Cochrane Review Group (CRG).

The training was well received and

deeply appreciated by the

participants. They all pledged their

commitment to work

conscientiously towards

completing the Cochrane Reviews

once the titles were registered.

NEW REVIEWS FROM THE **COCHRANE LIBRARY** THE COCHRANE COLLABORATION The following reviews, published in prophylactic oxytocin for the third stage of labour **by** Olufemi T Oladapo, Babasola O Okusanya, Edgardo Abalos. Issue 2, 2012. Advance misoprostol distribution for **Other Recent Reviews** preventing and treating postpartum Topical treatments for HIVhaemorrhage by related oral ulcers by Olufemi T. Oladapo, Charles I Okwundu, Teslim Bukola Fawole, Kuteyi. Issue 1, 2012. Jennifer Blum, Prophylactic Phototherapy Edgardo Abalos. Issue for Preventing Jaundice in 2, 2012. Preterm or Low Birth Effectiveness and Weight Infants by Charles I safety of first-line Okwundu, Christy AN tenofovir + Okoromah, Prakeshkumar S emtricitabine +

Reviews for Africa Programme (RAP) aims to train African health researchers and providers in the science of research synthesis and assist them to initiate and prepare a Cochrane Systematic Review, ultimately for publication in the Cochrane Library. The 2012 Edition of RAP

Reviews for Africa

Programme - Call for

Applications - The

NCCM 2012/GRADEPro Workshop – Call for

Applications

Nigeria.

workshop

18 May 2012

The Nigerian Cochrane

(NCCM) 2012, alongside

a GRADEpro Workshop

will take place from 8-11 July 2012 in Calabar,

Contributors Meeting

Applications are hereby invited from suitably qualified candidates for both events. Scholarships are available for a limited number of applicants. For full details please visit: http://nigeria.cochrane.org /nigerian-cochranecontributors-meeting-2012-gradepro-training-

Deadline for Applications:

Emmanuel Effa (Training

Coordinator, Nigerian

Branch of the South

THE COCHRANE

COLLABORATION

Coordinator, NBofSACC) and Dr.

ANNOUNCEMENTS Nigeria will take place in Calabar, Nigeria from 1-7

July 2012. Successful RAP

details please download

and read the full Advert

applicants will also participate in the upcoming Nigerian Cochrane Contributors Meeting, which will take place from July 8-11, 2012. Applications are therefore invited from suitably qualified candidates. For eligibility criteria and other

blessed with a baby boy, named Ikomobasi, on March 20, 2012. Congratulations!

African Cochrane Centre) and

his wife Norah were

Deputy Director of the Nigerian Branch of the South African Cochrane Centre was recently appointed the for Cross River State, her on this lofty

NEW APPOINTMENT -Dr. Angela Oyo-Ita, the Commissioner for Health Nigeria. We congratulate appointment.

Implications for Research The evidence from Peru suggests that countries considering routine vaccination should assess whether the two-dose primary immunization schedule is adequate in their setting.



2011.

Immunization in Low and Middle Income Countries **by** Angela Oyo-Ita, Chukwuemeka C. Nwachukwu, Chioma Oringanje, Martin Meremikwu. Issue 7, 2011. Interventions for Mooren's Ulcer **by** Mahmoud B Alhassan, Mansur Rabiu, Idris Agbabiaka. Issue 6,

http://nigeria.cochrane.org

/reviews-africa-

programme-2012

If you have any query, please mail

cochranenigeria@yahoo.co.uk

olabisioduwole@yahoo.co.uk and

Deadline for applications is 9 May

2012, **16:00** hrs (Nigerian Time).

and copy Bisi

emmanueleffa@yahoo.com

Emmanuel

Facebook and Twitter. Follow us on Facebook: CochraneNigeria Branch Twitter: @cochranenigeria 20th Annual Cochrane

limited number of stipends are available for people from developing countries and consumers to help cover registration, travel costs, accomodation and other expenses associated with attending the

Baby Blessings! - Dr. and Twitter - The

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+234(0)8055452670

nigeria.cochrane.org

Issue 4, 2012 of the Cochrane Library is online - To access full text reviews, visit: www. thecochranelibrary.com

Nigerian Branch of the

South African Cochrane

Centre is now on

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2012.

Colloquium - The 20th Annual Cochrane Colloquium will be coming up from 30th September to 3rd October 2012 in Auckland, New Zealand. Cochrane Colloquium – Stipends Applications - A

please go to http://colloquium.cochran e.org/colloquium-stipends Deadline for Stipends application is 31st May

Colloquium. To apply for

Colloquium stipends

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learning more about how to develop a Cochrane Systematic Review were asked to register for a Research Synthesis/Cochrane Systematic Review Workshop which was to take place a week later (30th & 31st Come March 30th, Eighteen participants turned up for the sequel workshop. Dr. Oniyangi, Dr. Emmanuel Effa (Training

Chinkhumba

Issue 10, 2011.

Therapeutic Interventions

for Burkitt's Lymphoma in

Martin M Meremikwu, Sue

Richards. Issue 7, 2011.

Improving Coverage of

Children by Joseph U

Okebe, Nicole Skoetz,

Interventions for

a t

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