

Can we integrate RHD into MOH Programs in Sudan?

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Sudan Heart Society
Working Group on RHD



PASCAR 7 Key Actions –
Working Group on
Penicillin

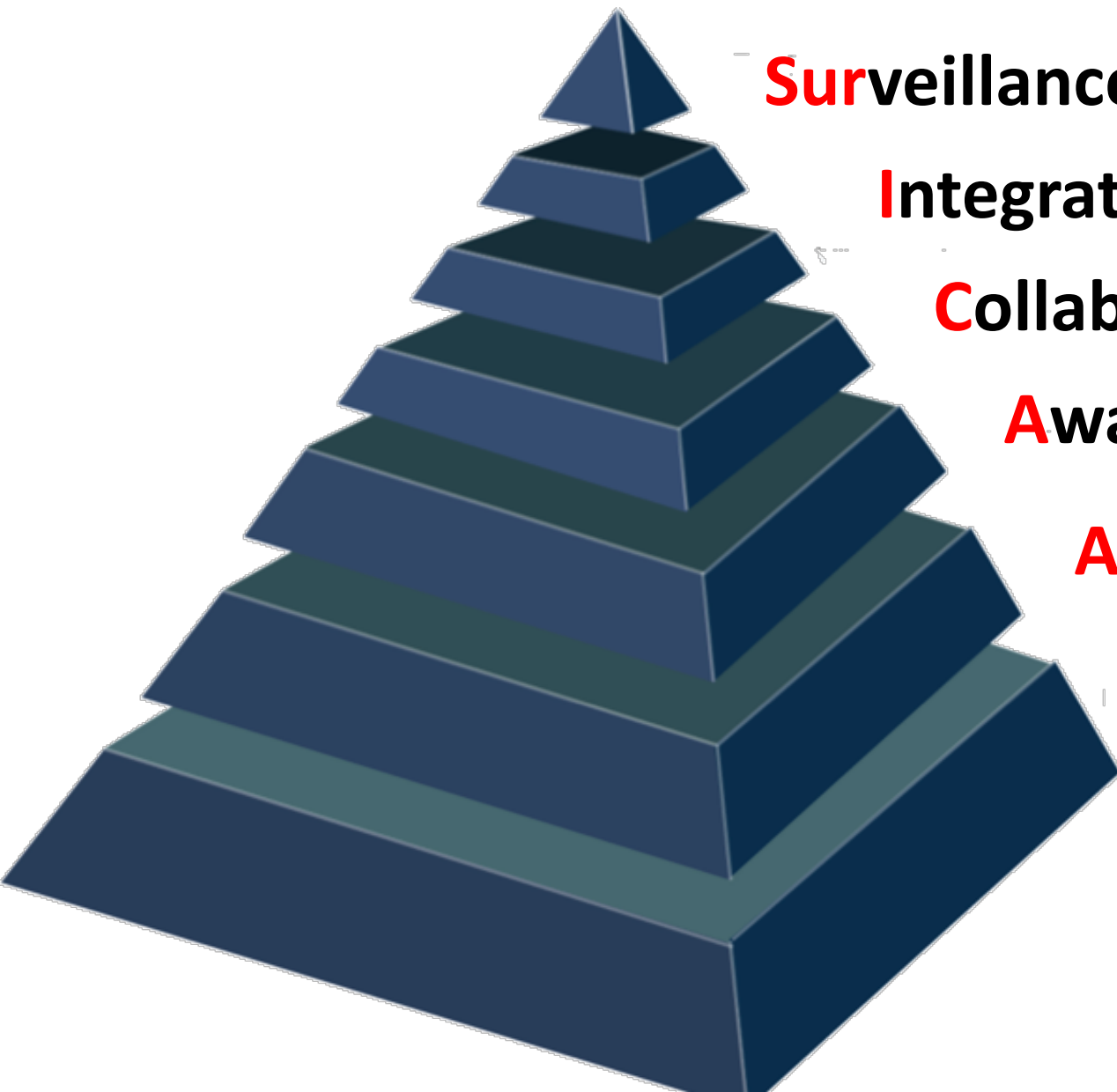


World Heart Federation



Charity Group: Sudanese
Children's Heart Society





Surveillance

Integration

Collaboration

Awareness

Advocacy

Training

SUR / CAAN

Advocacy

Public awareness

Collaboration

**RHD
Committee**

**Training
Material**

Integration

**Clinical and
Echo Data**

Advocacy



Public awareness



Collaboration



**RHD
Committee**



**Training
Material**



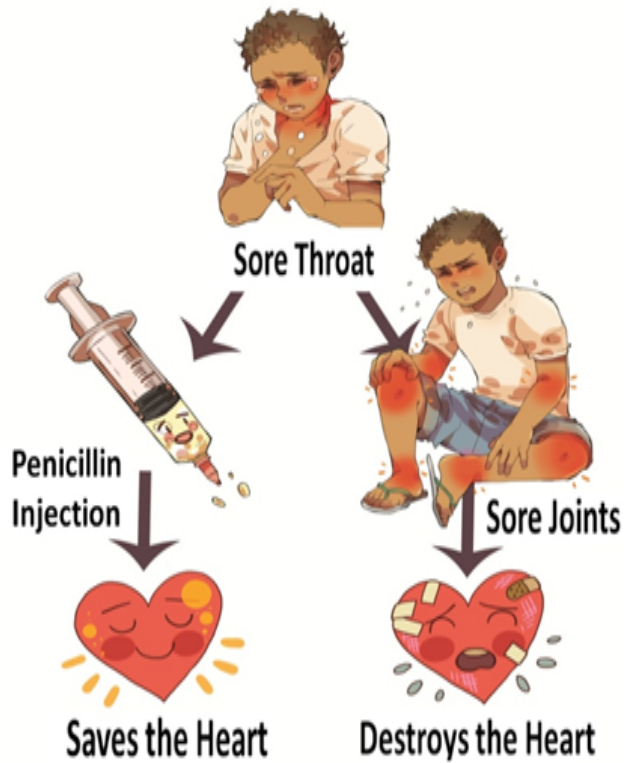
Integration



**Clinical and
Echo Data**



Acute Rheumatic Fever and Rheumatic Heart Disease: Guidelines for Diagnosis, Management and Prevention



Primary Prevention



Secondary Prevention



Adrenaline
1:1000

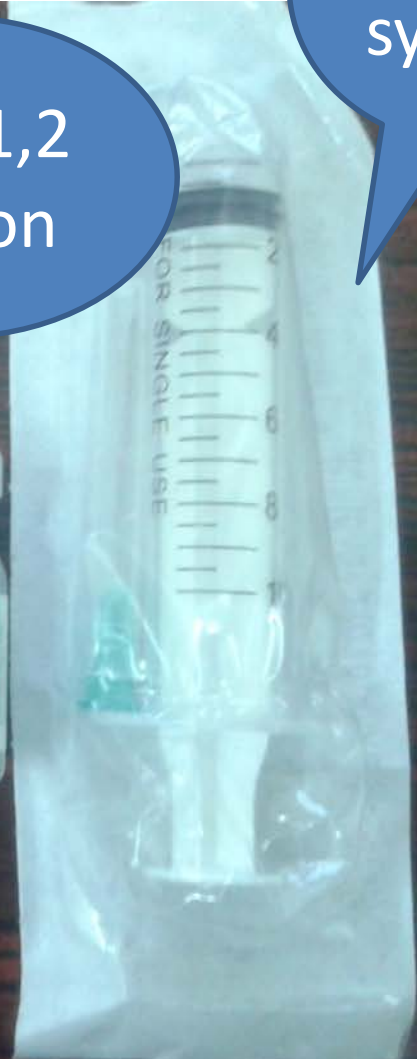
Lidocaine
2%

Lure Lock 5
ml Syringe

BPG 1,2
Million

10 ml
syringe

Antihistamine



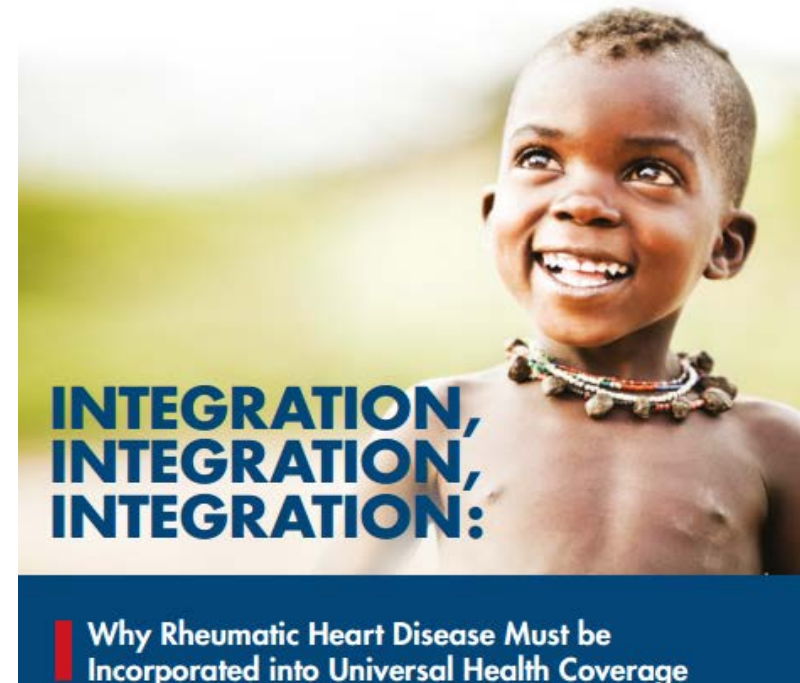
Working with Ministry of Health

- No funds for new program
- **Why not to integrate????**
- Tried through:
 - IMCI
 - NCD
 - Reproductive Health
 - School Health



RHD Action

United to End
Rheumatic Heart Disease



Integrated Management of Childhood Illness (IMCI)

Check for throat problem

ASK:

- Does the child have fever? (by history or feels hot or temperature 37.5 C or more)
- Does the child have sore throat?

LOOK AND FEEL:

- Feel for enlarged tender lymph node(s) on the front of the neck.
- Look for red (congested) throat
- Look for white or yellow exudate on the throat and tonsils

**Classify
THROAT
PROBLEM**

- fever **OR** Sore throat **AND** Two of the following :
- Red (congested) throat
- White or yellow exudate on the throat or tonsils.
- Enlarged tender lymph node(s) on the front of the neck.

STREPTOCOCCAL SORE THROAT

- ☐ Give benzathine penicillin.
- ☐ Soothe the throat with a safe remedy.
- ☐ Give paracetamol for pain.
- ☐ Advise mother when to return immediately.
- ☐ Follow up in 5 days if not improving.

- Sore throat **OR**
- Not enough signs to classify as streptococcal sore throat

NON STREPTOCOCCAL SORE THROAT

- ☐ Soothe the throat with a safe remedy.
- ☐ Give paracetamol for pain.
- ☐ Advise mother when to return immediately.
- ☐ Follow up in 5 days if not improving.

- No throat signs or symptoms (with or without fever)

NO THROAT PROBLEM

- ☐ Continue assessment of the child.

Primary Prevention of Acute Rheumatic Fever and Rheumatic Heart Disease:

A Proposal for Inclusion of Sore Throat Management in Sudan's Integrated Management of Childhood Illness (IMCI) Program

Contents

1. The Burden of Rheumatic Fever and Rheumatic Heart Disease
2. Rheumatic Heart Disease Control Programs
3. The Role of Primary Prevention
4. Diagnosis of Strep. Pharyngitis in Limited Resource Countries
5. The Burden of Sore Throat in Children 5 Years of Age and Younger
6. Inclusion of Sore Throat Management in IMCI

Sore Throat Box for Sudan IMCI

Does the child have a high risk for Rheumatic Heart Disease?

1. All states except Khartoum and Northern States
2. Low socioeconomic background from any state

USE 2 CRITERIA FOR
STREPTOCOCCAL
PHARYNGITIS:

1. Sore throat
2. NO runny nose/cough

Strep Pharyngitis

Benzathine penicillin
Soothing agent
Paracetamol
Educate family about
strep pharyngitis and
Rheumatic Heart Disease

Sore throat and runny
nose /cough

Viral upper respiratory
infection

Soothing agent/cough
remedy

Does the child have a low risk for Rheumatic Heart Disease?

Khartoum and Northern States and a good
socioeconomic background

USE 3 CRITERIA FOR
STREPTOCOCCAL
PHARYNGITIS:

1. Sore throat
2. NO runny nose/cough
3. One of the following:
 - i- Enlarged tender lymph node(s) on the front of the neck.
 - ii- Red (congested) throat
 - iii- White or yellow exudates on the throat / tonsils

Strep Pharyngitis

Benzathine penicillin
Soothing agent
Paracetamol
Educate family about strep
pharyngitis and
Rheumatic Heart Disease

Sore throat and runny
nose /cough

Viral upper respiratory
infection

Soothing agent/cough
remedy

Little Gain

Success

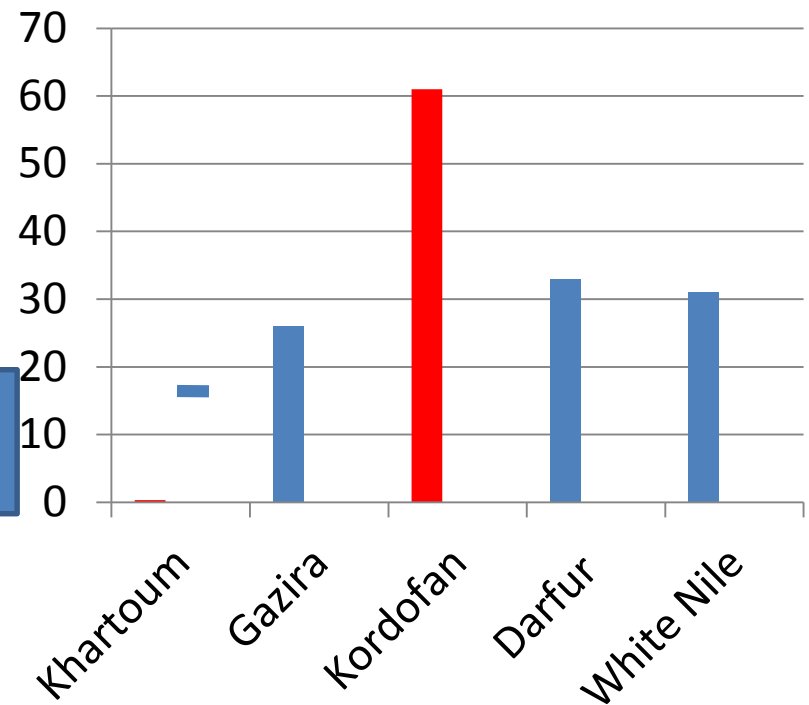
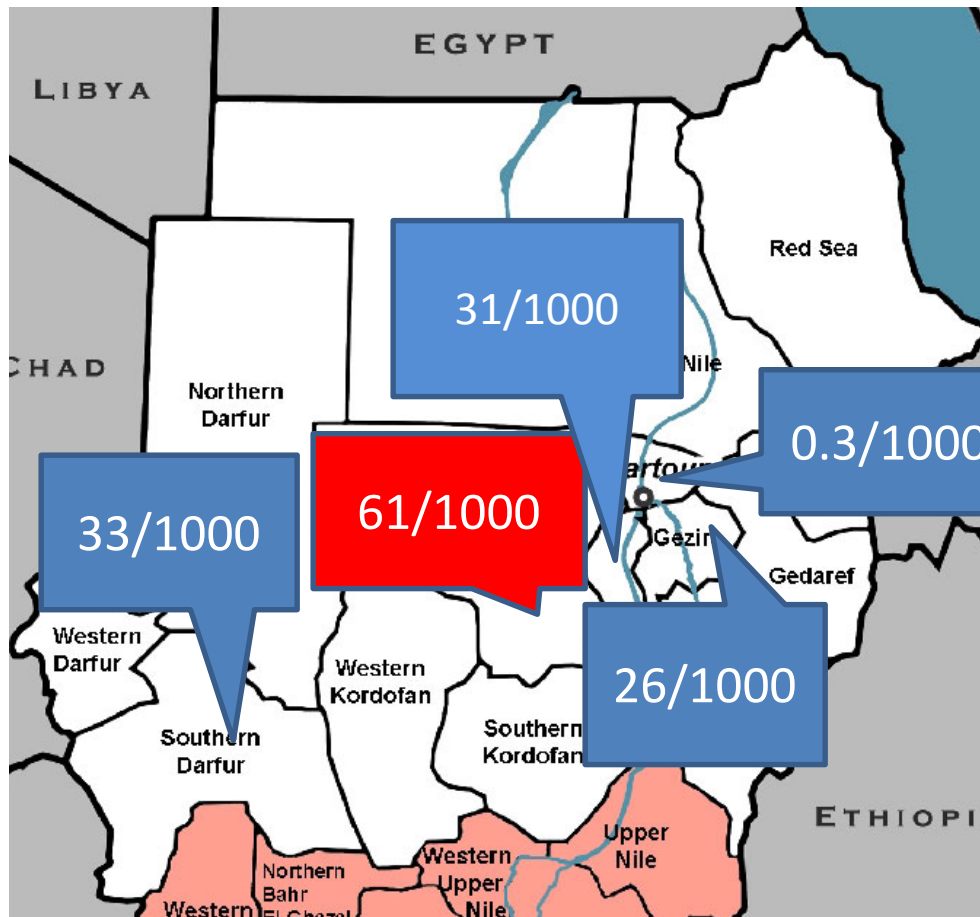
- Including RHD Modules in **Medical and Nursing School Curricula**
- Training through NGOs and Charity Missions
- Training through regional (local) Ministries of health in target states

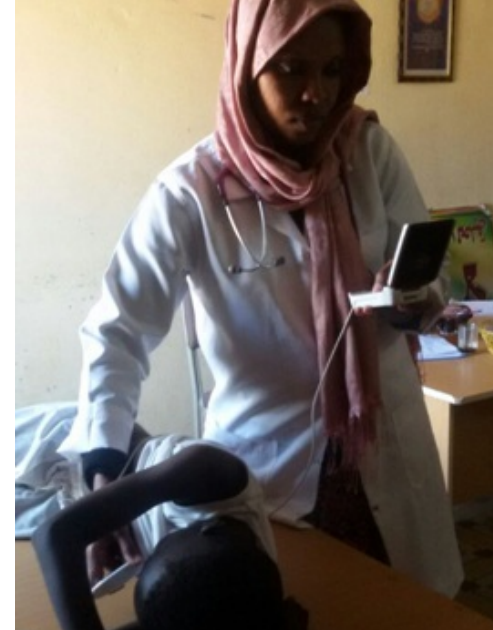


Working with WHO-Sudan

- Funding of training of Medical Assistants: 4 workshops in target areas.

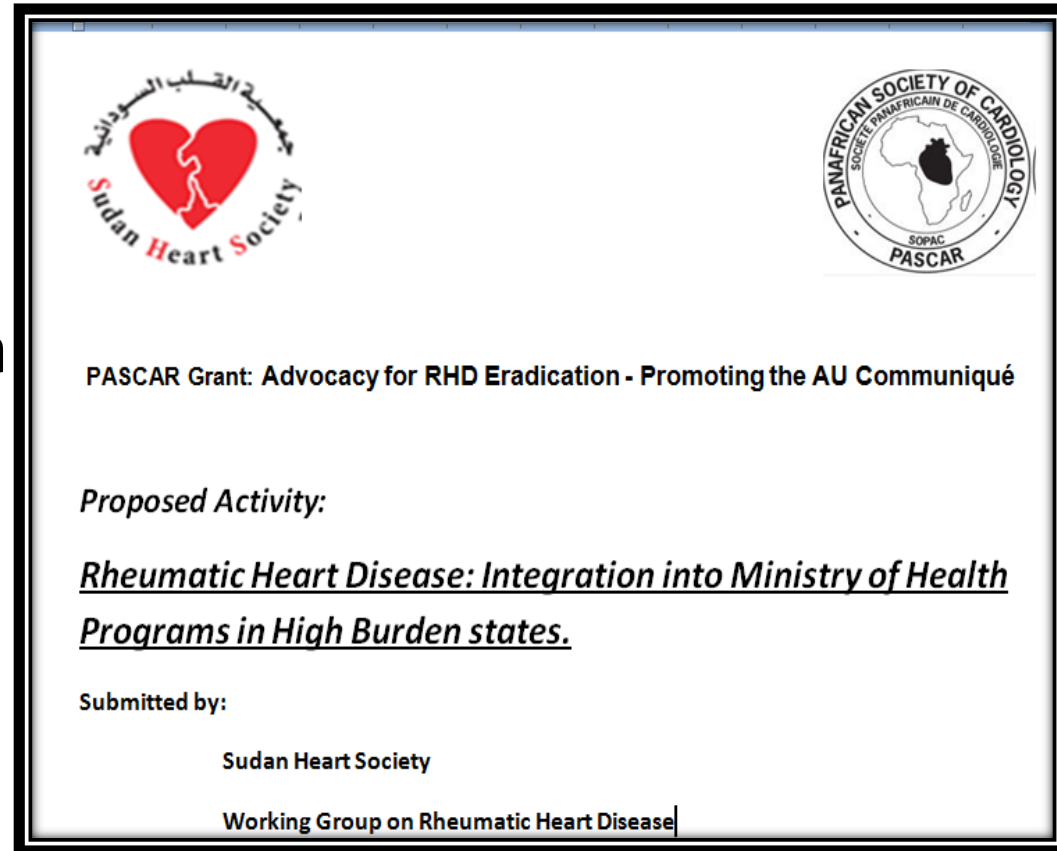
Sudan RHD Echo Map: 11000 Subjects Screened by Echo





RHD Action-PASCAR Fund

- Nov 2017
- Dialogue between Ministers of Health in them most endemic area with Federal MOH
- Objective: integrate
- HIV, TB Programs



WHO Resolution



Hopes and Difficulties

