

Mapping of School Health Education in Sudan

Introduction

Management of communicable and non-communicable diseases in schools and child care centers is becoming increasingly complex in Sudan. It is increasingly recognized that poor health hinders education and it is the direct cause of school drop-out. Today, communicable non-communicable diseases account for 50% of the burden of disease of developing countries. This is all the more striking when one considers that 80% of the world's population lives in developing countries (WHO). So, building research capacity and leadership related to diseases control in school settings is of greater interest to SIU School Health chair.

1/ Research specific objectives:

- Identification of communicable and non-communicable diseases that affect the learning process in schools (age 6 to 18).
- To use novel geographic methods and large-scale claims data to identify the local distribution of communicable and non-communicable diseases in Sudanese schools (age 6 to 18).
- To assess school students' perspectives on communicable and non-communicable diseases they experienced and medicines used in order to suggest reforms and design healthcare programs, manuals and priority settings.
- To train teachers and students in nutrition planting and life skills.
- Building the capacity of school health teachers and transfer them from knowledge consumers to researchers.

2/ Research questions:

1. What are the communicable diseases that affect the process of learning among students (age 6 to 18) in each state in Sudan?

2. What are the non-communicable diseases that affect the process of learning among students (age 6 to 18) in each state in Sudan?
3. What is the geographical distribution of communicable and non-communicable diseases?
4. What experiences did students (age 6 to 8) undergo regarding communicable and non-communicable diseases?
5. What sort of medications did students use to overcome these diseases?
6. Period of school absence of students due to presence of communicable and non-communicable diseases?
7. What is the percentage of school dropout of students due to communicable and non-communicable diseases?

3\ Research methodology:

- A representative cluster sample size for students, schools, sub-counties and education zones will be clustered and sample size will be calculated based on coefficient of variation by school type.
- Data will be collected by questionnaire, medical examination using standard procedures, and focus group discussion, and descriptive analysis will be performed on the completed questions.

4\ Research Tools:

- 1\ Medical Examination using data of medical centres, hospitals and school medical units.
- 2\ Focus group discussion of homogenous group consisting of school health teachers, public health educators, physicians and medical field personnel.
- 3\ Questionnaires and interviews of representative sample of teachers, students, doctors and parents.
- 4\ Documents and records of hospitals and medical centres will be analysed qualitatively.

5\Time frame:

September 2020 to September 2021.

6\ Budgeting:

1. Travel cost	3000
Meetings	1500
Consultations	2000
Training materials	1000
Participants	2500
2. Workshop 1	2500
Workshop 2	2500
Analysis	500
3. Supplies and Equipment	4500
4. Reproduction and Translation	3000
5. Documentation	3000
Total	\$26,000