

MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCE
DEPARTMENT OF HAEMATOLOGY AND BLOOD TRANSFUSION
SICKLE CELL PROGRAMME



ANNOUNCEMENT

TRAINING ON RESEARCH ELECTRONIC DATA CAPTURE WITH REDCap AND RESEARCH DATA ANALYSIS, 7th and 8th October 2020

Venue: Block M, Seminar room, MUHAS

Introduction

The two days training is designed to help researchers to acquire and strengthen knowledge on how they can design data collection tools using **REDCap**, visualize their data and also be introduced to data export from REDCap into their favorite Statistical Software. Brief overview of descriptive analytics in R and IBM SPSS software will be given. Participants will be able to design their own data collection tools in **REDCap** Database, collect data online and offline. With the knowledge of R, they will be able learn how to: apply for basic R commands; collect and analyze their own high-quality data with high-performance R libraries and functions; integrate their data with other studies; interpret the results in the wider context of epidemiology and shifts in government policy.

Attendance to the physical or virtual training (via zoom) is **free** and supported by the **SPARCO** grant. **The Sickle In Africa consortium aims to facilitate research in Sickle Cell Disease (SCD) and the subsequent translation of this research into healthcare and health outcomes. Sickle in Africa is made up of three initiatives : Sickle Africa Data Coordinating Center (SADaCC), Sickle Pan-African Research Consortium (SPARCO) and Sickle Cell Pan African Network (SPAN). SPARCO is a consortium of partners from Ghana, Nigeria and Tanzania. The PI of the SPARCO hub in Tanzania is Prof Julie Makani.**

Learning outcomes:

At the end of this training the participant is expected to;

1. To understand the overview of R and **REDCap** both mobile and web platforms
2. To translate paper data Case Report forms (CRF) into electronic (**e-CRF**)
3. To understand data capture using **mobile app and web platforms and Surveys**
4. To design **longitudinal** studies in **REDCap**
5. To **visualize data** with reports and graphs in **REDCap**
6. **Exporting** data suited to **favorite Statistical Software** format
7. To perform basic data analysis using **IBM SPSS software and R statistical package**

Training Components

Batch 1 Day 1: Time: in 11 AM (Tanzania); 09 AM (Nigeria); 08 AM (Ghana); 10 AM (Cape Town)

- Basic introduction to REDCap software

Batch 2 Day 2 :Time:11 AM (Tanzania); 09 AM (Nigeria); 08 AM (Ghana); 10 AM (Cape Town)

Specific project needs will be covered as follows (SPARCO research fellows' project will be prioritized)

- Designing data collection instruments
- Creating longitudinal studies
- Linking research studies to cohort database and registries

Batch 3 Day 2: Time:14:30 PM (Tanzania); 12:30 PM (Nigeria); 11:30 AM (Ghana); 13:30 PM (Cape Town)

- Data quality controls
- Data Export from REDCap
- Data analysis (SPSS demo and R demo)

Training duration

The training will be offered for two days from 7th to 8th of October 2020

The Training will facilitate 40 participants at a physical location in MUHAS

Participants and facilitators in Ghana, Nigeria and South Africa will join virtually via Zoom link (up to 150 registered participants).

To attend Batch 2 day 2 training you must indicate your project (SPARCO research fellows encouraged to apply)

Training requirements

Candidates should have the following for the sessions;

- **A laptop**
- **Installation of IBM SPSS**
- Your own research paper or eCRF (compulsory for applicants of Batch 2 on day 2)

Mode of application

All applications should be made through the link below:

<https://redcap.blood.ac.tz/sc/surveys/?s=8WWKN37A8W>

Zoom link:

Join Zoom Meeting

<https://us02web.zoom.us/j/85824946964?pwd=RVRJcVJ0YnB2U2xLM1RyU0JnYlJvZz09>

Meeting ID: 858 2494 6964

Passcode: r3dc@p

Course facilitators and organizer and contact:

Raphael Sangeda, D Kandongu, U. Masamu, B, Octavian, F. Makundi & L. Mwita	Organizers & Facilitators	SPARCO, Tanzania
Annemie Stewart, Gaston Mazandu, Mario Jonas	Facilitators	SADaCC, South Africa

For any questions and assistance: Please write to sangeda@gmail.com,
dkandongu@blood.ac.tz , umasamu@blood.ac.tz & and copied to boctavian@blood.ac.tz

- Seats will be allocated on first-come first-serve basis
- **Register now!**