



SHORT COURSE ANNOUNCEMENT

DATA MANAGEMENT AND STATISTICAL ANALYSIS COURSE USING SPSS

The National Institute for Medical Research (NIMR MUHIMBILI) will conduct a short course training on **“DATA MANAGEMENT AND STATISTICAL ANALYSIS COURSE USING SPSS”**

Venue/Country: Dare salaam-NIMR Muhimbili Centre Conference Hall

Training Duration: 10 days

Date: 8th -17 May 2017.

Who should attend?

Are you a healthcare professional interested on being a research scientist? Would you like to build your capacity in data management and statistical analysis? Enroll for our highly interactive and hands-on short course on Introduction to Data Management and Statistical Analysis course that will equip you with the necessary skills and knowledge on how to carry out basic data m entry, cleaning and analysis using EPI tab/SPSS and interpret the results accordingly.

Doctors, Nurses, community health workers, data managers, Laboratory technologists and Health Managers, Research Assistants, Principal and Co-Investigators, Clinical Trial/Study Coordinators, Clinical Research Monitors, Monitoring and Evaluation Directors/Managers/Officers and Auditors:

Objectives of the course are:

1. To get health professionals and university students be introduced on **STATISTICS**
2. To get health professionals and university students into the whole concept of data management using statistical packages such as SPSS
3. To enable participants to understand different analysis techniques and statistical tests
4. To enhance health professionals and university students on how to read and interpret statistical results generated by statistical software
5. Enable health professionals and university students to perform data analysis for themselves with very minimal supervision

Training Methods:

1. Teaching will be in form of lead lectures and mostly hands on practical in data management and analysis
2. Group Exercises and presentations
3. A certificate awarded upon successful completion of the course

Requirements and benefit

- You should come with your laptops for practical sessions
- IBM SPSS Statistics v23 86/64bits will be installed into your computer freely
- You will be given notes and hand out for your own practices
- Those from NGO's, University can come with their row data and use them for practical
- For participants with a Research proposals will be helped to develop data analysis plan

Please note:

The Cost for the training per day = 100,000/= TSH for Tanzanian and 100 us dollar for non-Tanzania, to cover registration and training packages as well as meals during the training.

We have limited space to accommodate a big number of participants, your earlier confirmation, you will be highly considered for participation

For further enquires please contact

NIMR –Muhimbili

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Fax: +255222150458

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How to apply:

Please apply through electronic by sending a confirmation email to:

nmwai@nimr.or.tz Center administrator OR

rmtandulo@yahoo.com Training coordinator

kandgeorge@gmail.com Ass training coordinator

Mode of payment:

All payment should be deposited at:

Bank name: NIMR

A/C number: 2011100006(Tsh) NMB and

A/C number: 041105000396(US dollar) NBC

Or

Visit: NIMR-MUHIMBILI Accountant office

The deadline for receiving the applications is:

30^h April 2017

Course structure

Day	Event	Mode of deliver
One	Introduction: Participants will get an Introduction to statistics and different statistical measure including measure of center tendency, dispersion and the definition of variables, TYPE and Its characteristics, Epi-data software and SPSS installation	<ul style="list-style-type: none"> • Theory(power point presentation) • Discussion
Day two	Data base design using epidata: The participants will taught on how to design database using Epi-data version 3.1:Partipant will be given a number of data collection tools i.e CRFs and using them to design the database and doing data entry.	<ul style="list-style-type: none"> • Theory(power point presentation with practical
Day three	Data base: This day participant will learn the concept of double entry, combine and validate data sets. All data entered will be combine to generate a single data : The participants will learn on how to export data from the data base into different statistical analysis software	<ul style="list-style-type: none"> • practical
Day four	Import Excel Data into SPSS and Data formatting: This day participants will learn on how to open excel data file through SPSS statistical analysis software as well as SPSS data file. ALSO will learn how to format Data through the software To make an overview of your data.	<ul style="list-style-type: none"> • practical
Days five	Data cleaning: This day the participants will learn on how to prepare data for analysis, This include perform: Assessing for data duplication, computing new variables, convert variable format, categorizing the variable, combining the variable, recording the variables.	<ul style="list-style-type: none"> • practical
Day six	Data analysis: This day the participant will learn on how to deal with categorical variable including its associate variables i.e association or relationship between the categorical variable(chi2 test and trend association),logistic regression test i.e univariable and multivariable as well as condition regression	<ul style="list-style-type: none"> • practical

Day seven	<p>Data analysis: In this day, participants will learn on how to deal with continuous data/variable: The participants will learn on how to perform correlation, correlation for trend, mean test, median test as well as linear regression.</p>	<ul style="list-style-type: none"> • practical
Day eight	<p>Data analysis: In this day, participants will learn on how to deal with both categorical and continuous variable i.e analysis variance , and non parametric test</p>	<ul style="list-style-type: none"> • practical
Day nine	<p>Graphs: In this day participant will learn on how to present data in graphs. Different graphs will be discussed such as line graph, bar graph, box plot, scatter plot, histogram</p>	<ul style="list-style-type: none"> • practical
Day ten	<p>Recap:In this days participant will make a demonstration of what have been taught on those nine days and Certificates issuing</p>	<ul style="list-style-type: none"> • practical