

Basics in Epidemiology and One Health in LMIC @ MIH Kurssaal by Prof. Md. Taohidul Islam/August-Scheer visiting professor from Bangladesh Agricultural University (BAU)

Monday October 9th - 10h -12h

- “Introduction to epidemiology” & “Understanding variables”
- LO: to identify components of epidemiology and aspects of demographic, temporal and spatial distribution; to define key variables and practice the coding of these

Monday October 23rd - 10h -12h

- “How to design an epidemiological study at the field level?”
- LO: to classify different study designs used in epidemiology and to determine which design to use when

Monday November 6th - 10h -12h

Laptop & calculator required

- “How to measure the frequency of a disease in a population?”
- LO: to explain the different estimates involved, such as prevalence, incidence and attack rate and to practice calculations

Monday November 13th - 10h -11h

Laptop required with SPSS / EpiInfo Software

- “How to measure association between exposure and outcome variables of interest?”
- LO: to describe this association, to discuss how to interpret this and to practice the relevant calculations

Monday November 20th - 10h -11h

Laptop required with SPSS / EpiInfo Software

- “How to identify the risk factors associated with disease of interest?”
- LO: to determine when to use bivariable and multiple logistic regression analysis

Thursday November 30th - 14h -15h

Laptop required with SPSS/EpiInfo software

- “How to identify the risk factors associated with disease of interest?” - Practical exercise
- LO: to identify risk factors using Epi Info/SPSS

Monday December 4th - 11h -12h

- “Selection of appropriate sampling techniques”
- LO: to identify different types of sampling, to explain why sampling is needed

Monday December 11th - 15h -16h

Laptop required with EpiInfo software

- “Estimation of sample size”
- LO: to practice sample size calculations

Monday December 18th - 11h -12h

Laptop and android smartphone/tab with internet connection

- “Preparation of survey questionnaire and collection of data on smartphone/tab using apps at the field level”
- LO: to compile the components of questionnaire and to prepare an online questionnaire

Basics in Epidemiology and One Health in LMIC @ MIH Kurssaal by Prof. Md. Taohidul Islam/August-Scheer visiting professor from Bangladesh Agricultural University (BAU)

Tuesday January 9th - 11h -12h

Laptop required with SPSS

- “Data normalization before being analyzed”
- LO: to identify different methods of data normalization, to practice these methods

Monday January 15th - 11h -12h

- “Epidemiology and One Health?”
- LO: to describe the One Health concept

Monday January 22nd - 11h -12h

- “Discussion on remaining questions?” “Modelling of infectious diseases? Networking models of diseases?” (Speaker: Katharina)
- LO: to summarize key aspects of the preceding topics and to present data and methods in epi