**CMED 305 Course**

**Practical Exercise on : Designing Questionnaire**

It is necessary to always keep in minds that design of questionnaire influences data quality and thereby the results. Hence it is vital to design a good questionnaire.

Necessary details to know before the designing of questionnaire:

1. Clear objectives and research question
2. Target population
3. Precise definitions of all measurement variables

Types of questions

A Questionnaire may be open or closed ended and be presented in various formats.

Closed questions are questions which limit the response to a specified list of answers. The use of closed questions offers a number of advantages to the researcher, including providing a set of standard responses that enable researchers to produce aggregated data quickly. In contrast, open questions allow the respondent to answer freely. However, if opened ended questions are used, then the methods for analyzing these responses should be considered during the design of the questionnaire.

Example of open question:

1.How do you rate Madagascar as an exotic destination?

Answer : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example of closed question:

2.Do you feel that every case of domestic violence must be reported?

1. Strongly agree b. agree c. disagree d.strongly disagree e.not sure f. refused to answer

**Categorization of questions**

Normally the questions of large survey instruments are grouped into headings or categories for convenience.

1. Title, purpose and confidentiality details
2. Soiodemographic details
3. Medical history
4. Habits and personal details
5. Measurements-clinical/biochemical
6. And other title related questions

Pilot or pre-testing
Piloting the questionnaire among a representative sample of the target population in the same way that it will be administered in the main study is essential and will help identify potential problems with the design or layout of the questionnaire.

 Point to remember: It is preferred to keep the questions short and specific.

 Clear instructions on how to fill the questionnaire must be given.

 Consent should be clearly mentioned on top of the questionnaire.

Samples of questionnaires



Sample 2

1. Now let us construct simple questionnaire to determine the prevalence of anemia among female third year medical students of KKUH

Aim: To determine the prevalence of anemia

Target population: third year female medical undergraduate students

Measurement variable - hemoglobin

Students are requested to volunteer and complete the questionnaire.

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| Consent detailsSocio demographic informationMedical historyClinical and Biochemical investigations |

1. Questionnaire to determine the prevalence of overweight and obesity among adolescent school children.

Aim: To determine the prevalence of overweight and obesity

Target population: Adolescent school children aged 13 years to 18 years

Measurement variable – height, weight

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| Consent Socio demographic detailsAnthropometric measurements |