**Statistician Letter / waiver**

All quantitative studies require formal letterhead, a qualified or recognized statistician must collaborate with the candidate. If relevant to the study, confirmation of sample size, a brief description of statistical methods, as well as availability to assist must be included in the letter. The statistical input should match the statistical requirements of the study.

Qualitative studies do not require a statistician letter.

The statistician letter may be waiver if certain conditions are met. Kindly see waiver form at the end of this document.

Letter template / example:

This letter is to confirm that, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from UP discussed with me the study titled: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I hereby confirm that I am aware of the project and also undertake to assist with the Statistical analysis of the data generated from the project.

Data analysis

The analytical tool(s) that will be used is(are):

(Example: The descriptive statistics mean, median, standard deviation and inter-quartile range will be used to describe the continuous variables. Frequencies and proportions will be used to describe the categorical variables. Sensitivity, specificity, positive predicted value, and negative predicted value will be calculated for………. Hierarchical clustering may be used to cluster the genes from the samples, or cluster the samples themselves, following sequencing. Tests will be evaluated at 5% level of significance and at 95% confident interval. All analysis will be done using either STATA 15. Or R programming

Sample size

The sample size calculation is as follows:

(Example: Sampsi in STATA 14 (StataCorp, College Station, USA) was used to calculate the sample size. It required the mean and standard deviation (SD) of the two groups and the value for the desired power, while the default alfa = 0.05 was used. An estimated size of 43 per group will result in 80% power with 0.05 significance to detect a difference of 8.47% between the groups (Dias et al., 2021) with unequal SD. When using …………………. with a cut-off of >1.5-fold, according to previously published data, with unequal SD, a sample size of 50 per group will be adequate to detect significant differences between the groups.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Statistician Signature

Name

Institution

Qualifications

School of Medicine MSc Committee

**Application for the waiver of a statistician’s letter during initial MSc protocol submission**

A statistician’s letter may be waived during the MSc protocol submission phase provided that all of the requirements listed below have been met; each requirement must be initialed by the supervisor and student:

1. The MSc supervisor and/or co-supervisor are confident that they themselves would be able to provide the statistical support required to complete the study’s statistical analyses
2. The MSc protocol includes a detailed description of the statistical methods required to complete the study
3. The level of complexity of the statistics does not require formal input from a statistician

1. All statistics relevant to the MSc protocol, such as sample size calculations, have been completed and supplied as part of the protocol

**NOTE:** The MSc Committee reserves the right to request a formal statistician’s letter should the Committee feel that the statistical analyses require such input. This letter will have to be obtained and submitted to the Committee before the MSc protocol can be approved.

**Application**

We confirm that all four of the above-listed requirements have been met as part of this MSc protocol submission, and request a waiver of the Committee’s requirement for a statistician’s letter.

 (Name) (Signature) (Date)

MSc student: ………………………. ……………………………. ……………….

 (Name) (Signature) (Date)

MSc supervisor: ………………………. ……………………………. ……………….

Person responsible for the statistical analyses:

 (Name) (Signature) (Date)

 ………………………. ……………………………. ……………….