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## **6.0 DATA EXTRACTION AND ANALYSIS**

### **6.1 DATA EXTRACTION**

The EPI Diagram/Screening and EPI Scientific laboratory Software were used to extract the raw data into Excel sheet. These provided all parameters which were considered for analysis.

### **6.2 DATA ANALYSIS**

Data analysis was done with the help of Microsoft Office Excel 2007 and R studio version 3.2.0 along with 'R Cmdr' version 2.1-7.

#### **6.2.1 CORRELATION ANALYSIS**

The correlation analysis was done between the two variables i.e., FBS and the selected EPI parameter, one by one. Whichever EPI parameter was showing highly significant correlation with FBS, all those were put in the regression analysis. Similar analysis was done between HbA1c and EPI parameters.

#### **6.2.2 DIABETES TYPE 2 AND YOGA**

Independent sample t-test was carried out for cross sectional comparisons among normal, pre diabetes and diabetes as well as between controlled and uncontrolled diabetes. Paired 't' test was done in the interventional study to find the difference between pre and post conditions.