

## **ABSTRACT**

### **TITLE**

To Study The Factors Associated With The Difference In Upper Arm And Wrist Measurement For Sizing Of Apparel Of Children Age  $>6-<15$  Years.

### **OBJECTIVES: -**

To analyze the factors associated with differences in upper arm and wrist measurement of  $\geq 6-<15$  years girls and boys.

To observe the variation in size and upper arm and wrist measurement of school going children.

### **METHODOLOGY: -**

For this research, sample was collected from children of Karachi city. Total sample was 2368 children out of which 1163 were girls and 1205 were boys. Out of 18 towns 4 towns were selected randomly by a lot and then they were categorized on the basis of three -income levels. Out of these 4 towns, 12 schools were selected 20-25 students of ( $>6-<15$ ) years and each age group. Height, Weight, Upper arm and wrist measurements of each student was measured. The measurements were recorded on survey form, which included identification of town, school, income level, and ID number of student, class, gender, age, height weight, upper arm and wrist measurement of individual student.

### **RESULT: -**

1163 girls and 1205 boys were selected from age 6-14 years from different schools of Karachi and from different socio- economic levels. The results of the study showed that from 6-14 years height, weight, upper arm and wrist measurement change gradually with age in both gender. When height increase gradually upper arm and wrist measurement also change in the same manner. Socio-economical status had no noticeable effect on height, weight, upper arm and wrist measurements in both genders.