

ABSTRACT

TITLE:

To study the factors associated with difference in shoulder to knee measurement for the sizing of apparel of children aged 6 to 14 years.

BACKGROUND:

There were no significant research has been conducted on analyzing the body shapes and clothing sizing of Pakistani children. So there was a need to conduct research on body measurements.

OBJECTIVES:

- To analyze the factors associated with the differences in shoulder to knee measurement of 6 to 14 years (boys and girls)
- To find out the difference in the sizes of shoulder to knee measurement from age 6 to 14 years of both gender.

METHODOLOGY:

The survey was conducted in different randomly selected towns of Karachi and from each town three schools of different socio economical levels were randomly selected. The sample size was 5400 for 6 to 14 years of both genders. But only able to collect measurement of 1163 girls and 1315 boys. The data was entered in Epi data 3.1 and analyzed through Spss 11.5.

RESULTS:

Results of the study shows that the Shoulder to knee measurement change gradually in both gender from age 6 to 14 years. Earlier in girls as compared to boys. The effect of socio-economic status on shoulder to knee measurement showed that the middle socio economical status was greater in both gender. In age 6 to 14 years' boys, & girls the mean of shoulder to knee measurement of over weight were greater as compare to other weight status but the majority of children were of normal weight

CONCLUSION: It is concluded that the Age, socio-economic status and BMI was affected on shoulder to knee measurement and size differences were present in shoulder to knee measurement from age 6 to 14 years of both gender.