

ABSTRACT

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Session: 2004-2005

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Date of Submission: 31.10.05

Title

Factors associated with the differences in the shoulder measurement for sizing of apparel of age 6-14 years children.

Background

In Pakistan, anthropometrics researches have not been conducted on children related to the garment. So there was a need to conduct a research and find out the factors that are associated with the differences in body measurements of Pakistani children for garment construction.

Objectives

- *To find out the differences in the shoulder measurement of 6-14 years children.
- *To find out the factors affecting shoulder measurement of 6-14 years children.

Methodology

This study was conducted in Karachi; Pakistan. The students of 6 to 14 years from high, middle and low-level areas are the population in this study. 4 towns were randomly selected from the total 18 towns of Karachi. From each town 3 schools were selected with respect to income level. Total samples size is 5400 children.

Result and Discussion

Result according to age, the mean of Shoulder measurement of girls age 6-14 increases by 0.5cm, 1cm and 2cm. The mean of Shoulder measurement of boys age 6-14 increases by 0.5cm, 1cm and 2cm. Income level, the mean of Shoulder measurement of girls age 6-14 Middle-income > Low > High income and the mean of Shoulder measurement of boys age 6-14 Middle income > Low > High income. BMI, the mean of Shoulder measurement of girls age 6-14 Normal weight > Under weight by 0.5cm, 1cm and 2cm. The mean of Shoulder measurement of boys age 6-14 Normal weight > Under weight by 0.5cm and 1cm.

Conclusion

Age, the mean of Shoulder measurement of 6-14 years boys greater than 6-14 years girls. Income level, the mean of Shoulder measurement of Middle-income boys and girls greater than Low and High-income boys and girls. BMI, the mean of Shoulder measurement of Normal weight boys and girls > Under weight boys and girls.