

ABSTRACT

TITLE

Factors associated with differences in center back length measurement of apparel of children Age 6 -14 years

OBJECTIVES

- To find out the factors associated with difference in body measurement. To find out center back length measurement required for sizing of Apparel of 6 -14years

METHODOLOGY

- This study was conducted in Karachi city. 4 out of 18 towns were selected randomly by a lot and then they were categorized on the basis of three income level.
- Sample size was 2147 children. 1163 were girls & 1206 were boys.
- Out of these 12 schools 20-25 students of $\geq 6 \rightarrow 15$ years from each age group were selected. Height, weight, center back length measurement of each student was measured.
- The tool used were stadiometer for height, weighing scale, measuring tape & these measurements were recorded on survey form.
- Epidata 3.1 & SPSS11.5 were used for analysis of data.
- Age, gender and socio economic status were the factors for analysis.

RESULTS

As a result of the study show shows that BMI of girls and boys center back length are normal in size according to height and weight. as a result study shows that center back length increase^{as} age increase^{as} but rapid increase in center back length is seen in age 12 to 14 yrs of both gender. that is 1 cms. And according to social economic that low income group boys are tall so that wise center back length is also more than other income level and in girls center back length of middle-income group girls are tall taller than other group so that wise center back is also greater than other income level.

CONCLUSION

It was concluded that center back length increase as age increase. Rapid increase in CBL is seen between 11 to 14 years age of both gender. The CBL of low income boys & middle income girls was more than other income levels