

ABSTRACT

TITLE:

To study the factors associated with the differences in Waist to Hip measurement of children aged 6 – 14 years.

BACKGROUND:

In Pakistan no significant research has been conducted on anthropometry measurement for children's. So there was a need to conduct the research to take the body measurement and find out the factor associated with the differences in body measurement of Pakistani children to provide a guideline for the sizing system of children's apparel.

OBJECTIVES:

1. To find out the factors associated with the differences in Waist to Hip measurement of children aged 6 – 14 years.
2. To find out the differences between Waist to Hip measurement of boys and girls aged 6 – 14 years.
3. To analyze Waist to Hip measurement of girls and boys aged 6 – 14 years.

METHODOLOGY:

It was quantitative study design. The total sample size was 5400 for 6 to 14 years of both genders. But only able to collect measurement of 2421 students of 6-14 years from four randomly selected towns of Karachi and from each towns three school were selected with respect to income level. The data was entered in Epi data 3.1 and analyzed through Spss 11.5.

RESULT:

Results of the study shows that the growth rate of children's belong to middle income were more than as compare to other income level, according to BMI it was found that the Waist to Hip measurement of under weight children's were increase normally but it was greater in normal weight children.

CONCLUSION:

It is concluded that the difference in waist to hip measurement of aged 6-14 years girls is greater than boys. Middle socio-economical status and normal weight was greater in both gender.