

Anthropometrical study of 2nd to 4th digit ratio of Andoni (Obolo) groups of Ijaw ethnic nationality in Nigeria

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ABSTRACT

OBJECTIVE: This study was carried out to document values of the 2nd to 4th digit ratio of Andoni (Obolo) group of Ijaw ethnic nationality. Seven hundred and two subjects between ages of 15 and 60 years were recruited randomly excluding those with hand deformity. 350 (49.9%) were males and 352 (50.1%) were females. Their 2nd, 4th, digit lengths were measured from the basal crease to the tips using a vernier caliper measuring to 0.01cm minor reading. The 2D:4D were then calculated for each subject on both hands. Descriptive statistics and ANOVA were used to analyze the data. Results obtained showed significant differences ($p < 0.001$) in 2D:4D between males (0.95 ± 0.03) and females (0.96 ± 0.05). Males had longer digits with lower digit ratio while females had shorter digits with higher digit ratio. This result confirms that digit ratio is sexually dimorphic and represents the original data for the people of the Niger Delta.

Key words: 2D:4D, Andoni, Niger delta and Nigeria