

**ANALYSIS OF ANTHROPOMETRIC VARIABLES AMONG INTER UNIVERSITY
LEVEL WOMEN CRICKET PLAYERS**

Suresh Pawar
Solapur University.

ABSTRACT

The motivation behind this examination was to dissect of Anthropometric factors among college level ladies cricket players. One hundred and fifty ladies college cricket Players were chosen from ten colleges (Veer Narmod South Gujarat University, Rajasthan University, Andhra University, Kakatiya University, Annamalai University, Thiruvalluvar University, Pune University, Pondicherry University, Kerala University and Mumbai University) took an interest in south west college ladies cricket competition sorted out by Pondicherry University, Pondicherry amid the year 2011-2012. The age of the subject extended from 17 to 25 years according to the qualification shape. Their anthropometric (Skin overlap) estimations were taken from Triceps skinfold (TSF), Sub scapular skinfold (SSSF), Biceps skinfold (BSF), Supra spinal skinfold (SSPSF), Abdominal skinfold (ASF), Thigh skinfold (THSF), and Calf skinfold (CSF) utilizing Harpenden skinfold caliper (Holtain Ltd, Crosswell, Crymych, UK) to the closest 0.2 mm. The investigation of change (ANOVA) was utilized to examine the noteworthy contrast, if any between the (college) gatherings. To test the essentialness the dimension of certainty was settled at .05. The consequences of the examination uncovered there was a huge distinction between the college level players on Triceps skinfold, Sub scapular skinfold, Biceps skinfold, Thigh skinfold and Calf skinfold estimations and neglects to have huge contrast between the college level players on Supra spinal skinfold and Abdominal skinfold, estimations.

KEYWORDS: Anthropometric factors , Biceps skinfold (BSF), Supra spinal skinfold (SSPSF), Abdominal skinfold (ASF).

INTRODUCTION

These days, an ever increasing number of ladies taking an interest in games which is something to be thankful for a nation as this isn't generally found in India. Ladies have been a major say in the field of games. There are presently numerous ladies taking an interest in tennis and different games like cricket, b-ball, volleyball and soon (Anantha 2008). The extent of the challenge is to recognize imaginative arrangements that utilization game to enhance network, quicken advancement, and drive social change.

India is constantly considered as one of the best cricket playing countries on the planet, as the diversion is played widely everywhere throughout the nation. Through the diversion is predominantly played by men in India, the Indian ladies are additionally playing the amusement for a long while now. The ladies' cricket in India is seeming to go extraordinary firearms in the ongoing years, as the Indian group has huge achievement both on home soil and in abroad. The diversion today is trailed by various students and experts from different fields. India's ladies cricketers have in truth accomplished accomplishments that their male partners haven't possessed the capacity to. The

truth of the matter is that ladies' cricket in India merits a reasonable arrangement, which it isn't getting right now. The sooner the BCCI takes care of this, the better.

The Association of Indian Universities (AIU) was planned to unite every one of the colleges on a typical stage and to advance college exercises, particularly by method for sharing data and co-activity in the field of instruction, culture, sports and unified regions.

ANTHROPOMETRY

Anthropometry is a critical part of games drug. Anthropometric measurements and Morphological attributes assume a critical job in deciding the accomplishment of a sportspersons (Wilmore and Costill, 1999).

It has been entrenched that explicit physical attributes or anthropometric profiles show whether the player would be reasonable for the challenge at the most abnormal amount in an explicit game (Slater et al., 2005). Anthropometric and morphological parameters are the touchy markers of physical development and nourishing status of the sportspersons for their maximal exhibitions (Chatterjee et al., 2006). Thus the point of the examination is to investigation the anthropometric factors among bury college ladies cricket players.

MATERIALS AND METHODS

For the investigation, reason inspecting strategy was utilized to choose the subjects. One fifty ladies cricket players were chosen from ten colleges (Veer Narmod South Gujurut University n=15, Rajasthan University n=15, Andhra University n=15, Kakatiya University n=15, Annamalai University n=15, Thirurvaluvar University n=15, Pune University n=15, Pondicherry University n=15, Kerala University n=15 and Mumbai University n=15) who took an interest in south west entomb college ladies cricket competitions and the challenge was composed in Pondicherry University, Pondicherry, India amid the scholastic year 2011-2012 the age of the subject went from 17-25 years according to the qualification frame. Seven anthropometric (Skin overlay) estimations were taken from five locales, viz Triceps skinfold (TSF), Sub scapular skinfold (SSSF), Biceps skinfold (BSF), Supra spinal skinfold (SSPSF), Abdominal skinfold (ASF), Thigh skinfold (THSF), and Calf skinfold (CSF) were estimated by utilizing Harpenden skinfold caliper (Holtain Ltd, Crosswell, Crymych, UK) to the closest 0.2 mm. The instruments were adjusted before use and all estimations were gone up against the subject's correct side. The estimations were made with the assistance of ladies competitor who have experienced dimension one ISAK course. Distinct insights (Mean& Standard deviation) and investigation of change ANOVA were utilized dissect and to discover the huge contrast, if any between the (college) gather for chosen factors. To test the criticalness the dimension of certainty was settled at .05 Data were broke down utilizing SPSS (measurable bundle for sociology) form 16.

Consequences of the ANOVA uncovered that there was a noteworthy distinction between the college level cricket players on Triceps skinfold, Sub scapular skinfold, Biceps skinfold, Thigh skinfold, and Calf skinfold estimations neglects to have critical contrast on Supra spinal skinfold, and Abdominal skinfold estimations.

DISCUSSION

Physical attributes and body structure have been known to be major to greatness in athletic execution (Mathur, D. N, and Salokun, S. O. 1985). Explicit athletic occasions require diverse body types and loads for maximal execution (1987). Today it has been generally acknowledged by the specialists that top execution in games is accomplished if a competitor has the essential anthropometric qualities reasonable for the occasion. In this way, the competitors specifically sport must have such commonplace qualities which are of preferred standpoint to their execution. Body creation likewise makes a vital commitment to a person's dimension of physical qualification for



execution, especially in such games that expect one to convey one's body load over a separation, which is encouraged by a substantial extent of dynamic tissue (muscle) in connection to a little extent of fat tissue (Jain, M. K. 2004).

Cricket is a perseverance amusement and requires potential stamina to exceed expectations the execution. The amusement is increasing colossal prevalence around the world, particularly in Commonwealth nations. Albeit each player of the group is required to bat and field amid the match, by and large, every player has explicit aptitudes that characterizes their job and adds to generally speaking execution of the diversion (Stuelcken et al., 2007). It is entrenched that anthropometric examination of various games has demonstrated ideal execution seems to have clear physical necessities Landers et al. 2000; Slater et al. 2005). Despite the fact that writing is accessible on the connections among anthropometric and physiological characteristics in male cricketers (Kumar et al., 2007, Koley and Yadav, 2009; Koley et al., 2009; Nande et al., 2009), reports identified with the anthropometric profiles of female cricketers are meager.

Anthropometric measurements and morphological attributes assume a critical job in deciding the achievement of a competitor (Rico-Sanz, 1998; Wilmore and Costill, 1999). Legitimate assessment of these parameters extends the measurement of morphological qualities of tip top competitors which can be fundamental in relating body structure and sports execution (McArdle, Katch, and Katch, 2001).

Musaiger, Ragheb and Marzooq (1994) looked at the football, handball, volleyball and b-ball players. The finding uncovered that there were contrasts in body organization among competitors as indicated by the kind of games. Physical molding and anthropometric estimations played a significance part in deciding choice in tip top junior Australian football crews (J.Keogh., 1999). Anthropometric and physiological profiling can add to choice methodology in junior ball, anyway determinates of achievement are multi factorial (Hoare DG., 2000).

CONCLUSION

From the outcomes it was presumed that ladies cricket players are demonstrates better Triceps Skinfold, Sub scapular Skinfold, Biceps Skinfold, Thigh Skinfold, and Calf Skinfold.

IMPLICATION

Consequently it would be suggested that player will be chosen by considering the Triceps Skinfold, Sub scapular Skinfold, Biceps Skinfold, Thigh skinfold, and Calf Skinfold anthropometric factors separated from their physical, aptitude and wellness parts.

REFERENCES

- "Mithali Raj". Retrieved 23 July 2017.
- "Raj finds life lonely at the top".
- "Record-setting Raj top of the women's charts". ESPN Cricinfo. Retrieved 12 July 2017.
- "Mithali Raj becomes leading run-scorer in women's ODI cricket; surpasses England's Charlotte Edwards". Indian Express. Retrieved 12 July 2017.
- "Meshram-Raj and spin quartet to the fore in emphatic India win". International Cricket Council. Retrieved 15 February 2017.
- "Records | Women's One-Day Internationals | Batting records | Most fifties in career | ESPNcricinfo". Cricinfo. Retrieved 13 April 2018.
- "Mithali Raj edges Virat Kohli, becomes first India cricketer to score 2000 T20I runs". NDTVSports.com. "Women's Asia Cup: Mithali Raj Becomes First Woman To Reach 2000 T20I Runs – NDTV Sports". NDTVSports.com. Retrieved 10 June 2018.



"'Consistent run machine': Mithali Raj becomes FIRST Indian to score 2000 runs in T20Is; fans ECSTATIC". The Indian Express. 7 June 2018. Retrieved 10 June 2018.
"India's chance to spur a revolution".

