

15<sup>th</sup> International Conference on

# Clinical Nutrition

May 24-26, 2018 | Vienna, Austria

## Agreement between self-reported and measured body height, weight and waist circumference among urban residents in Nanjing

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The purpose of this study was to evaluate the concordance between self-reported and measured height, weight and waist circumference among Nanjing urban population. A total of 11018 people, aged 18+ years old were selected from 11 communities in Jianye district of, Nanjing through multi-stage stratified cluster sampling; a face-to-face questionnaire survey and health examination was conducted. Cohen's Kappa and Bland-Altman plots were used for reliability analyses. The awareness of height, weight, waist circumference (WC) and BMI were 91.1%, 90.4%, 54.5% and 88.9%, respectively. Body height was significantly ( $P<0.001$ ) over-reported by 0.47 cm. WC was significantly ( $P<0.001$ ) under-reported by 0.39 cm. BMI was significantly ( $P<0.001$ ) under-reported by 0.14 kg/m<sup>2</sup>. The concordance between measured and self-reported BMI categories was excellent ( $\kappa=0.847$ ). For all anthropometric data, fewer than 10% of subjects were out of 95% limits of agreement. The concordance between self-reported and measured height, weight WC and BMI among Nanjing urban population was good.

### Biography

Zhiyong Wang obtained his Bachelor's Degree of Medicine in July 2004 from Southeast University and his MSc in July 2013 from Nanjing Medical University, China. He is a full-time Faculty Member in the Department of Non-communicable Disease Prevention at in Nanjing Municipal Center for Disease Control and Prevention (Nanjing CDC) since August 2004.

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