

JOINT EVENT

10th International Conference on **Childhood Obesity and Nutrition**
&
2nd International Conference on **Metabolic and Bariatric Surgery**

June 12-13, 2017 Rome, Italy

Association of the availability of maternal and child health center (Posyandu) with child weight status in Indonesia: A cross-sectional study**Hsien Wen Kuo** and **Helen Andriani**
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The Indonesian government has focused on improving maternal and child health (MCH) through the organization of volunteer-staffed integrated health service post (Posyandu). However, little is known about the childhood obesity prevention practices of MCH in Indonesia or their equivalent counterparts in other countries. The present study aims to assess the association of the availability of Posyandu with child weight status and what factors might influence such associations. This was a secondary analysis of data collected in the 2013 Riskesdas (or basic health research) survey, a cross-sectional, nationally representative survey of the Indonesian population. Height and weight, information regarding the availability of Posyandu and basic characteristics of the study population were collected from parents with children aged 0 to 5 years (n=63,237) in 2013. Non-availability of Posyandu significantly raised the odds of being obese (OR=1.13, p<0.01). However, non-availability of Posyandu did not seem to show a significant relationship in the odds for overweight. This relationship persisted after a full adjustment. There was effect modification by household wealth of the association between the availability of Posyandu and child weight status. The availability of Posyandu has a protective association with child obesity in Indonesia. Household wealth modified this association. MCH services are well placed to play an important role in obesity prevention in early life. Odds ratio and adjusted odds ratio (95% CI) using multinomial logistic regression model for overweight or obesity is compared to normal weight according to maternal and child health.

Biography

Hsien Wen Kuo has completed his PhD at Taiwan University and worked as Visiting Scholar at UC Berkeley. He is a Professor at National Yang-Ming University and has published more than 200 papers in reputed international and domestic journals and has been serving as an Editorial Board Member of reputed.

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