Correlates of Habitual Walking and Sports/Leisure-time Physical Activity in Older Persons in Singapore: Interaction Effects Between Educational Attainment and Gender

C H Wong,* MRCP (UK), S F Wong,** FAMS, MRCP (UK), L Shen,*** MSc (Stats)

Abstract

Introduction: We examined for demographic and psychosocial correlates on the participation of habitual walking and sports/leisure-time physical activity (LTPA) among older persons in Singapore. Materials and Methods: In an observational study, 177 Chinese, community/urban-dwelling, ambulant, non-disabled participants ≥ 50 years old were recruited from a health promotion programme. The main outcome measures were self-reported participation in habitual walking and sports/LTPA. Variables examined include highest educational attainment, demographic and health characteristics, social contact and health knowledge. Interaction between gender and educational attainment was also examined. Results: The mean age of participants was 62.5 ± 7.8 years. The effects of educational level were significant on habitual walking (P = 0.02), while that of age, self-rated health and interaction between gender and educational level were significant for sports/LTPA (P = 0.012, P = 0.002 and P = 0.019, respectively). Men with higher education had a higher self-reported sport/LTPA, while in women; those with lower education attainment had a higher participation. Conclusion: Unlike findings from Western developed nations, previous studies done in Japan and Singapore found that educational level and health behaviours may not be positively associated. In this study, there is a negative correlation between educational attainment and participation in habitual walking and sports/LTPA, especially among older Singaporean women.

Key words: Educational status, Gender, Sports, Walking


* Registrar
** Consultant
Department of Geriatric Medicine
Alexandra Hospital
*** Biostatistician
Clinical Trials and Epidemiology Research Unit
Address for Reprints: Dr Wong Chek Hooi, Department of Geriatric Medicine, Alexandra Hospital, 378 Alexandra Road, Singapore 159964.