

論文の欧文要旨

(Name) Naoko Yamada

(Title)

Study on multidimensional capital and health in Japanese children: focusing on caries, obesity, low weight, and mental health

(Abstract)

This study aims to clarify the relationship between economic, cultural, social, and time capital and health problems in Japanese children. To this end, the study examines: 1) the relationship between the multidimensional situations of a child's home and health issues, such as dental caries, obesity, and low weight through a secondary analysis of public social data, and 2) the relationship between multidimensional capital and mental health through a field survey of junior high school students.

First, we selected a multidimensional situations index of savings and welfare (economic), sports and travel (cultural), vacation and volunteering (social), divorce and working hours of both men and women (time), and the data of male and female students aged 6–17 years with caries, obesity, and low weight by prefecture from the data of two prefectures. The results of a multiple regression analysis revealed an association between caries and obesity and the multidimensional situations, indicating that targeting the different multidimensional situations is important for improving children's health of caries and obesity. Second, we conducted a survey among junior high school students in Tokyo and Kanagawa. The questionnaire comprised questions on multidimensional capital (economic, cultural, social, and time), and lifestyle behavior (sleep problems, exercise habits, and consumption frequency of each food group), and mental health (The General Health Questionnaire 12: GHQ12). A relationship between multidimensional capital, lifestyle behaviors, and mental health was established using a structural equation model. From these results, we suggest that addressing mental health by giving due emphasis to multidimensional capital (especially social

様式 4 号

and time capital) is important.

Since this study suggests a relationship between the multidimensional capital and the health of Japanese children, we believe that an approach to multidimensional capital would be useful for solving health problems.