

## **The Effect of Health Status on Working Hours in Japan: An Application of Two-tiered Dynamic Panel Tobit Model**

We applied the two-tiered dynamic Tobit model to Japanese panel data and examined the effects of health status on working hours. An important finding is that, for both male and female, health status significantly increases the extensive margin, while it has no significant effect on the intensive margin. This suggests the importance of health intervention policies to promote the extensive margin in Japan, where serious labor shortages are expected in the future. We also found that marriage and the number of children tend to suppress the extensive margin, particularly for female, reaffirming the current disparity in working styles between male and female.

Keywords: two-tiered dynamic panel Tobit; health status; extensive margin;  
intensive margin

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