

Acceptance of telecare system for older people who live alone

C-S. LIN, L-Y. CHAN. **Acceptance of telecare system for older people who live alone.** *Gerontechnology* 2014;13(2):247; doi:10.4017/gt.2014.13.02.257.00 **Purpose** The Taiwanese government provides free telecare alarm systems to low-income, older people who live alone. The goal of this study to explore the acceptance of telecare systems for these older people who are using the technology acceptance model. **Method** We designed questionnaires based on Technology Acceptance Model¹⁻³, using four constructs of perceived usefulness, perceived ease of use, attitude to use, and intention to use⁴. These constructs demonstrated a good degree of reliability with all alphas greater than 0.8. Questionnaires were then distributed in this study; 250 questionnaires were collected for data analysis using SPSS 18.0. **Results & Discussion** The results found that the subjects agree that the telecare system is useful and easy to use; their attitude toward the use and their intention to use the system also reached the 'agree' level. In addition, the ease of use and perceived usefulness of the system will significantly affect the attitude of the user and determine whether or not the user actually uses the telecare system and indirectly affects the intention to use it. The perceived ease of use is also significantly correlated with the perceived usefulness, and the attitude that leads users to actually use the system. The research results showed the research model has a good explanatory power to predict the intention of users to use the telecare system.

References

1. Davis FD. *MIS Quarterly* 1989;13(3):319-339; doi:10.2307/249008
2. Davis FD, Bagozzi RP, Warshaw PR. *Management Science* 1989;35(8):982-1003; doi:10.1287/mnsc.35.8.982
3. Moon JW, Kim YG. *Information & Management* 2001;38(4):217-230; doi:10.1016/S0378-7206(00)00061-6
4. Legris P, Ingham J, Collette P. *Information & Management* 2003;40(3):191-204; doi:10.1016/S0378-7206(01)00143-4

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