

P.C. TUAN, H.M. HUA, C.S. LIN. *Science based domestic living service system design requirements for Elderly. Gerontechnology 2010;9(2):256; doi:10.4017/gt.2010.09.02.281.00* **Purpose**

This paper presents an investigation into developing a scientific and humanistic domestic living service system for the future needs of the elderly in Taiwan. Science-based service can provide a new innovative service system model. We proposed an innovative service system which included a tele-health management sub-system, tele-emergency² help sub-system, and a smart-living logistic sub-system. The investigation was focused on the future elderly, born in 1949 to 1964, which are called the Baby Boomers. The reason we selected Baby Boomers as the investigation group is that they are more able to adapt to the Smart sensible technology than the last generation elderly. We think that the traditional elderly service system must be revised to fit the new generation of elderly. **Method** More than 500 questionnaires were delivered of which 442 were collected. SPSS 12.0 Window version was applied to analyze the data distribution, mean, and standard to the system concept level system requirement and service system requirements. **Results & Discussion** The analysis shows that smart technologies for the prescribed 3 sub-systems are desired and welcomed by the future elderly. The tele-health system is needed for monitoring health management, and also the system must be user friendly and connect to the care center. The tele-emergency help system, which is additive to the service system, is also welcome, but the response time must be effectively controlled. The investigation of the Smart living logistic service sub-system shows the on line service is important and welcome.

References

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