AB025. The development of a smart health technological framework for improving the health of ageing population in the Smart City (Hong Kong)

Tak Wing Tsui[1], Sai Chung Ip[2], King Nam Hung[3], Tsui Wa Tam[4], Wai Fan Cheng[4], Cheong Fai Li[5], Kam Ming Lau[6]

[1]Shape, Vocational Training Council, Hong Kong, China; [2]Department of Marketing, Hang Seng University of Hong Kong, Hong Kong, China; [3]Quality Assurance, HKU SPACE, Hong Kong, China; [4]Marketing, Marketing and Advertising Alumni Ltd., Hong Kong, China; [5]International Development Office, Vocational Training Council, Hong Kong, China; [6]Centre for Learning & Teaching, Vocational Training Council, Hong Kong, China
Correspondence to: Tak Wing Tsui. Shape, Vocational Training Council, Hong Kong, China. Email: paulpaulmofo@gmail.com.

Background: The purpose of this research is to study the use of innovative technologies in developing an innovative Smart Health technological framework for ageing population. This framework can enhance health education and increase knowledge of preventive measures. The health of ageing population is becoming one of the major concerns in Hong Kong. According to the population projections by Census and Statistics Department, the number of elderly persons aged 65 and over is projected to increase from 1.16 million (17% of the total population) in 2016 to 1.82 million (25%) in 2026. According to the second edition of Smart City Blueprint for Hong Kong (Blueprint 2.0), the vision is to embrace innovation and technology to build a world-famous Smart Hong Kong and the mission includes providing better care for the elderly and making people happier and healthier.
Methods: Tsui, Pang and Cheng (2015) and Tsui *et al.* (2020) have developed an innovative technological framework for ageing population. In the framework, different innovative technologies (such as mobile technologies, cloud computing, search engines, online health portals, social media and networks, wearable health devices) are applied for improving the quality of life of ageing population. This framework is continuously being enhanced to include artificial intelligence, online medical services and Internet of Things for developing an innovative Smart Health technological framework for this research.
Results: This framework was successfully applied at the course 'Live Nutritiously Regimen and Technology' run by the Elder Academy of a local university and has proven to improve the health education of an ageing population.
Conclusions: The research findings can be applied across a range of public health and education stakeholders for improving the health education as well as the health of ageing population in Hong Kong.
Keywords: Smart City; technology; ageing population; innovation

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