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A Systematic Review of Research into how Robotic Technology can help older people

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Abstract:

Background

The world population is ageing rapidly with the percentage of older adults increasing to 24% by 2030 from 10% in 2000. Therefore cost of providing aged care has been growing, especially in countries such as Japan, the USA and Australia. For example, the average need for long-term care was estimated at three years for people turning 65 in United States of America at 2005 (Kemper, Komisar, & Alecxih, 2005). Robotic technology has been identified as being able to help older adults to live independently, and is emerging as an innovative approach to assist older adults directly, for example, robotic wheelchairs and indirectly for instance providing support to stakeholders, including caregivers. This study looks at the research undertaken in robotic technologies as it is applied to aged care.

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