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Articles

A structural equation modelling approach to predicting adoption of a patient-handling intervention developed for EMS providers

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Abstract

Patient-handling tasks are integral to Emergency Medical Service (EMS) work as are the musculoskeletal injuries associated with these tasks. The aim of this study was to develop and test a structural equation model that describes the interactions between previously identified factors that contribute to the adoption of a specific ergonomics intervention.

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month and to the emergence of champions, which contributed to the intention to use at the end of the second month.

Abstract

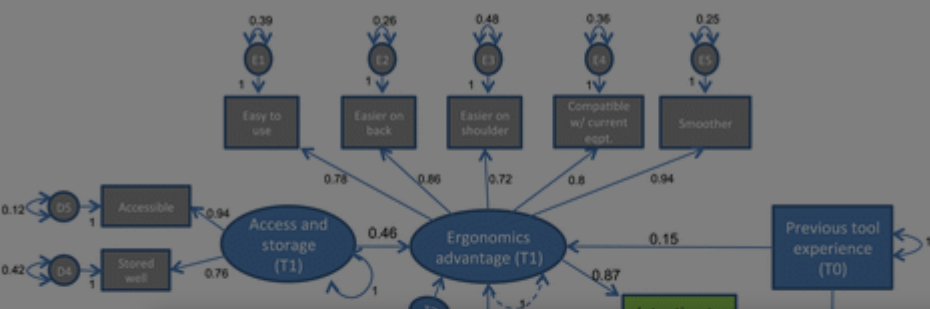
Practitioner Summary: Emergency Medical Service (EMS) responders' intention to use and actual use of a foldable transfer-board was strongly influenced by perceived 'ergonomics advantage'. Perceived ergonomics advantage was influenced by access/storage issues and previous tool experience. Perceived 'ergonomics advantage' also affects the emergence of champions which, in turn, impacts the EMS responders' intention to use.

Keywords:: intervention adoption ergonomics intervention injury prevention Emergency Medical Service firefighter

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Figure 2 The structural equation model with the path weights indicating the strength of the relationship between model factors. All relationships shown were statistically significant at $\alpha = 0.1$.



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