

Articles

# Identification of factors that affect the adoption of an ergonomic intervention among Emergency Medical Service workers

Monica R. Weiler, Steven A. Lavender , J. Mac Crawford, Paul A. Reichelt, Karen M. Conrad & Michael W. Browne

Pages 1362-1372 | Received 24 Feb 2012, Accepted 13 Jul 2012, Published online: 28 Aug 2012

 Cite this article  <https://doi.org/10.1080/00140139.2012.714474>

Sample our Behavioral Sciences Journals  
>> [Sign in here](#) to start your access to the latest two volumes for 14 days

## We Care About Your Privacy

We and our 855 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting "I Accept" enables tracking technologies to support the purposes shown under "we and our partners process data to provide," whereas selecting "Reject All" or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the ["privacy preferences"] link on the bottom of the webpage [or the floating icon on the bottom-left of the webpage, if applicable]. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. [Here](#)

We and our partners process data to provide:

I Accept 

Reject All

Show Purpose



concepts identified in the diffusion of innovation literature and have the potential to further ergonomics intervention adoption efforts.

Practitioner Summary. This study explored factors that potentially facilitate the adoption of voluntarily used ergonomics interventions. EMS workers were provided with foldable transfer-boards (slideboards) designed to reduce the physical demands when laterally transferring patients. Factors predictive of adoption measures included perceived ergonomics advantage, the endorsement by champions, and prior tool experience.

Keywords: [intervention adoption](#) [ergonomics intervention](#) [injury prevention](#) [EMS](#) [firefighter](#)

## Acknowledgement

This study was supported by National Institute of Occupational Safety and Health (NIOSH) grant 1R21 OH009378-01A1.

Relat

The H

Source

Job D

Source

Affec

Source

Ex

Ex

Source

Desig

Source

Interv

review

Source

Prom

Source: Ovid Technologies (Wolters Kluwer Health)



revisiting a technology acceptance model assumption

Source: Association for Computing Machinery (ACM)

Designing ergonomic interventions for EMS workers: concept generation of patient-handling devices.

Source: Elsevier BV

Manual Handling Injuries in Health Care Workers

Source: Informa UK Limited

Applications of Structural Equation Modeling in Psychological Research

Source: Annual Reviews

Reduction of injuries associated with patient handling.

Source: SAGE Publications

Extending the technology acceptance model with task-technology fit constructs

Source: Elsevier BV

Perceived usefulness, perceived ease of use, and user acceptance of information technology

Source: JSTOR

The role of the idea champion in innovation: The case of the Internet in the mid-1990s

Source: Elsevier BV

Development of an Instrument to Measure the Perceptions of Adopting an Information Technology Innovation

Source: Institute for Operations Research and the Management Sciences (INFORMS)

Implementation and adoption of mechanical patient lift equipment in the hospital setting

Source

Reduction of injuries associated with patient handling in the hospital setting

Source

Redu

Source

Stand

S

The

disor

Source

The p

Source

The I

From

Team

Source: Ovid Technologies (Wolters Kluwer Health)




An Overview of Analytic Rotation in Exploratory Factor Analysis.

Source: Informa UK Limited

Objective measures of adoption of patient lift and transfer devices to reduce nursing staff injuries in the hospital setting.

Source: Wiley

Linking provided by  ScholarSplorer

## Related research

People also read

Recommended articles

Cited by  
15



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Keep up to date

Register to receive personalised research and resources by email

 Sign me up

- 
- 
- 
- 
- 

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books



Copyright

Accessib

Registered  
5 Howick Pl

or & Francis Group  
orma business