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Articles

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

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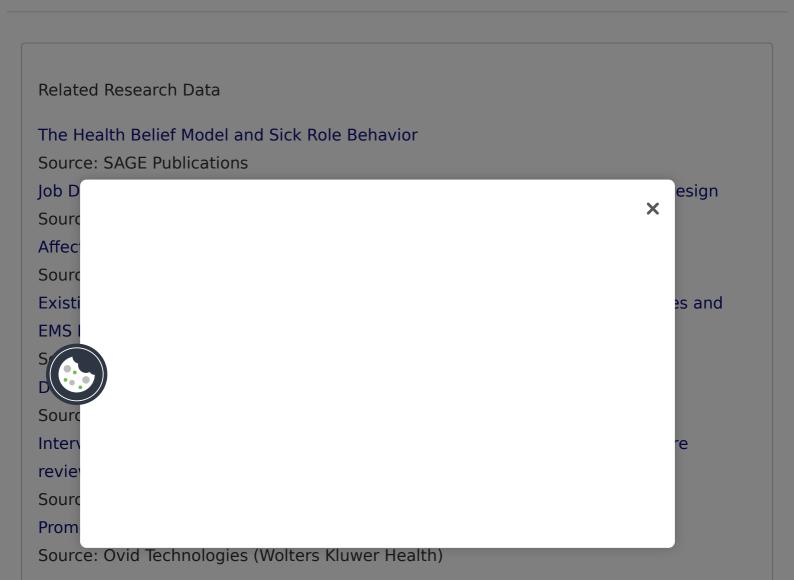
concepts identified in the diffusion of innovation literature and have the potential to further ergonomics intervention adoption efforts.

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.

Q Keywords: intervention adoption ergonomics intervention injury prevention EMS firefighter

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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)

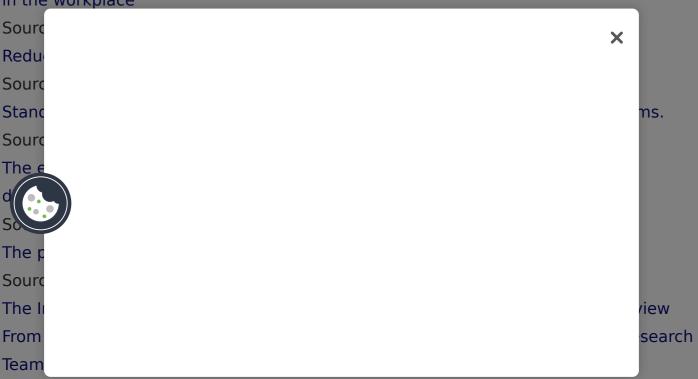
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setting: The importance of organizational and cultural factors†

Source: Wiley

Reduction in injury rates in nursing personnel through introduction of mechanical lifts

in the workplace



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 Schole plorer Related research (1) People also read Recommended articles Cited by 13 Work-related musculoskeletal disorders and injuries among emergency medical technicians and paramedics: A comprehensive narrative review > Rivi Friedenberg et al. Archives of Environmental & Occupational Health Published online: 19 Oct 2020 A structural equation modelling approach to predicting adoption of a patient-handling intervention developed for EMS providers > Monica R. Weiler et al. Ergonomics Published online: 24 Sep 2013 Existing Science on Human Factors and Ergonomics in the Design of Ambulances and EMS Equipment > X Bronso Prehosp **Publishe**

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