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# 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.

**Keywords:**

- intervention adoption
- ergonomics intervention
- injury prevention
- EMS
- firefighter

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Applications of Structural Equation Modeling in Psychological Research

Source: Annual Review of Psychology

Reduction of Injuries Associated with Patient Handling

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