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Review

Occupational injury and accident research: A comprehensive review

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Abstract

In this paper, a comprehensive review of the concepts of occupational injury and accident causation and prevention is presented. Starting with hazard identification, the issues on risk assessment, accident causation, and intervention strategies are discussed progressively. The distinctiveness and overlaps in accident and injury research are highlighted. Both empirical research in terms of hypotheses tested and theoretical research such as accident causation models are compared and contrasted. Finally, based on the critical appraisal of the comprehensive review, future research directions on occupational injury research are delineated.

Highlights

► A comprehensive review on injury and accident literature. ► Classification of literature. ► Future directions of occupational injury research.

Keywords

Occupational accident; Occupational injury; Hazard identification; Risk assessment; Accident causation; Injury mechanism; Injury intervention

Figures and tables from this article:

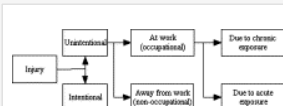


Fig. 1. Types of injury — occupational and non-occupational.

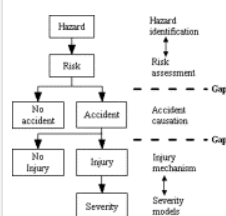
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Fig. 2. Gaps in injury and accident literature.

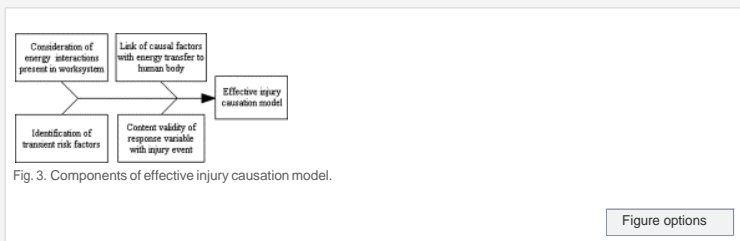


Table 1. Taxonomy of literature.

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Table 2. Accident theories: generations.

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Table 3. Correspondence between generations and causation themes.

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