Title	Working conditions, psychological/physical symptoms and occupational
	accidents. Bayesian network models
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Abstract	Each day thousands of workers suffer occupational accidents of varying
	degrees of severity. Accidents at work render workers incapable of carrying out
	their day to day activities, either temporarily or permanently, and they also have
	detrimental effects on family life, the company, and the general public. In order
	to reduce the occupational accident rate, it is necessary to determine the causes of
	those accidents. Although there are many different types of accidents, they
	generally stem from poor working conditions. The purpose of this study was to
	analyze the influence of working conditions on occupational accidents from data
	gathered in the VI National Survey of Working Conditions (VI NSWCs) in 2007.
	This survey utilized a random sample of the active population of Spain. The
	sample comprised 11,054 people (5917 males and 5137 females). In order to carry
	out the study, a probabilistic model was built using Bayesian networks. The model
	included the following variables: hygiene conditions, ergonomic conditions, job
	demands, physical symptoms, psychological symptoms, and occupational
	accidents. The study demonstrated that there were strong relationships between
	hygiene conditions and occupational accidents; it has been shown that poor
	hygienic conditions duplicate the probability of accident. Physical symptoms
	increased almost 50% due to poor ergonomic conditions. And finally, high job
	demands almost duplicated the psychological symptoms. The investigation also
	showed a high degree of interdependence between physical and psychological
	symptomatologies and the relationship between these and occupational accidents.