

Estimating Burden of Occupational Accidents Using the Disability-Adjusted Life Year (DALY index) in IRAN

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Statement of the Problem:

According to the International Labor Organization (ILO), occupational accidents cause the greatest human hardship and economic compensation. The economic costs of accidents are not only borne by the victims, the relevant companies and the burden of occupational accidents in Kashan city in IRAN in 2020.

Methodology & Theoretical Orientation:

This cross-sectional research has been conducted in the working population of Kashan city in IRAN. In order to collect data, all information related to occupational accidents registered in the Department of Labor of Kashan were used. Burden of occupational accidents calculated using the method of the World Health Organization. Moreover, Excel software was utilized to estimate the number of years of life lost due to premature mortality (YLL), and the years lost to disability (YLD)

Findings:

The results showed that 407 accidents occurred during the study period. The total number of DALY cases in the present study is 523.138 years. Out of them 308 years (58%) are related to YLL and the remaining 218/138 are related to YLD.

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Given the high number of years of life lost due to disability caused by occupational accidents, this study highlights the importance of providing occupational health services in industries to protect human resources against occupational accidents.

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