SA29: Estimation of frequency and underlying reasons and factors in Hamadan construction accidents in 2007-2010

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Introduction: construction is one of the most important industries in which many workers start on activity. Workers who employee in this industry are victims of many occupational accidents accident and injuries. There are a few studies on effective factors and patterns on construction accidents in many cities of the country. Therefore, the purpose of the present study is of focused on determining the frequency and underlying reasons in construction accidents .

Methodology: In this descriptive- analytical study, all construction workers (347) who encountered with occupational accident in Hamadan during 2007-2010, were studied. The data was collected by checklist and analyzed by means of chi-squire and logistic regression tests after entering into the SPSS statistical software .

Results: During 2007-2010, 347 workers encountered with construction accidents and seven of them died. Falling and slipping, with 127 frequencies (36.59%) were most accident-making factors and carelessness, with 280 frequencies (80.96%) was most important accident reason and many of these accident have happened at times between 15 and 18, with frequency of 125 cases (36.02%.(

Conclusion: Present study allows to better understanding of the extension of injuries and harms in construction sector activities in Hamadan. Also, it is pointed out that there is a need for developing and discussing about organizing public policies in order to implement safety and health programs for construction workers .

Keywords: construction accidents, occupational injuries, Hamadan

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