

## **Predictors of Recent Work-Related Injury in a Rapidly Developing Country: Results from a Worker Survey in Qatar**

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**Abstract :** Moderate to severe work-related injuries [WRI's] are a leading cause of trauma admission in Qatar but information on risk factors for their incidence are lacking. This study aims to document and analyze the predictive characteristics for WRI to inform the creation of targeted interventions to improve worker safety in Qatar. This study was conducted as part of the NPRP grant # 7 - 1120 - 3 - 288, titled "A Unified Registry for Occupational Injury Prevention in Qatar". 266 workers were interviewed using a standard questionnaire, during 'World Day for Safety and Health at Work', a Ministry of Public Health event, none refused interview. Nurses and doctors from the Hamad Trauma Center conducted the interviews. Questions were translated into the worker's native language when it was deemed necessary. Standard information on epidemiologic characteristics and incidence of work-related injury were collected and compared between nationalities and those injured versus those not injured. 262 males and 4 females were interviewed. 17 [6.4%] reported a WRI in the last 24 months. More than half of the injured worked in construction [59%] followed by water supply [11.8%]. Factors significantly associated with recent injury were: Working for a company with > 500 employees and speaking Hindi. Protective characteristics included: Being from the Philippines or Sri Lanka, speaking Arabic, working in healthcare, an office or trading and company size between 100-500 employees. Years of schooling and working in Qatar were not predictive factor for WRI. The findings from this survey should guide future research that will better define worker populations at an increased risk for WRI and inform recruiters and sending countries. A focus on worker language skills, interventions in the construction industry and occupational safety in large companies is needed.

**Keywords :** occupational injury, prevention, safety, trauma, work related injury

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