Workplace Risk Perception Between Foreign-Born and First-Generation Mexican-American Construction Workers

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Abstract: The injury rate among construction workers affects Hispanics at a disproportionate rate compared to other ethnicities. Purpose: The purpose of the study is to assess workplace risk perception between recent foreign-born Mexican-migrant and first-generation Mexican-Americans construction workers, using an adapted questionnaire based on a previous survey on constructing individual and collective safety practices. A survey questionnaire was administered to a sample of one hundred-sixteen construction workers and assigned to either of two groups (1) Sixty-six foreign-born Mexican migrants (65 males; 1 female), and 2) fifty first-generation Mexican migrants. Level of perceived workplace risk behaviors and perception was scored using a 5-point Likert scale. Risk behaviors were explored using a 21-item questionnaire. Risk perception was evaluated based on a subjective evaluation of probability and the severity of the consequence of an event. Mean values of each item were then compared between groups. Results showed differences in the perceived agreement of engaging in risk behaviors, and risk perception between the groups. Differences were identified in five behavior items with lower values in the foreign-born Mexican-American group. A higher than the average scale value for three items in the first-generation Mexican-American. Overall higher perception of risk was reported by first generation Mexican-American workers. These findings translate that both groups of workers perceived being exposed to risk during these activities most of the time, and the consequences of it may produce a severe injury. There we also significant differences in risk perception between the groups. Although a value above the mean was reported by both groups, the US-born Mexican-Americans had a greater risk perception on three items. Further results from this research project on foreign-born Mexican-American migrants and US-born first-generation Mexican-Americans are expected to generate useful, translational information for designing interventions that allow for a reduction of occupational risk behaviors.

Keywords: Mexican-American, construction work, workplace safety, risk perception

1. Introduction

Workers in the construction industry account for about 6 to 8 percent of all workers, and injuries and death are not uncommon. The study on the factors underlying why construction is the industry with the highest rate of occupational injuries continues to this date. The pure labor-intensive nature of construction work and its higher rate of occupational-related injuries pose a major management challenge for the industry. Amongst authors and researchers of the construction industry, there is an overall agreement that construction is first, one of the largest industries in the United States, and second, it is one of the most dangerous.