

Epidemiology of time-loss injuries among construction workers in the United Arab Emirates

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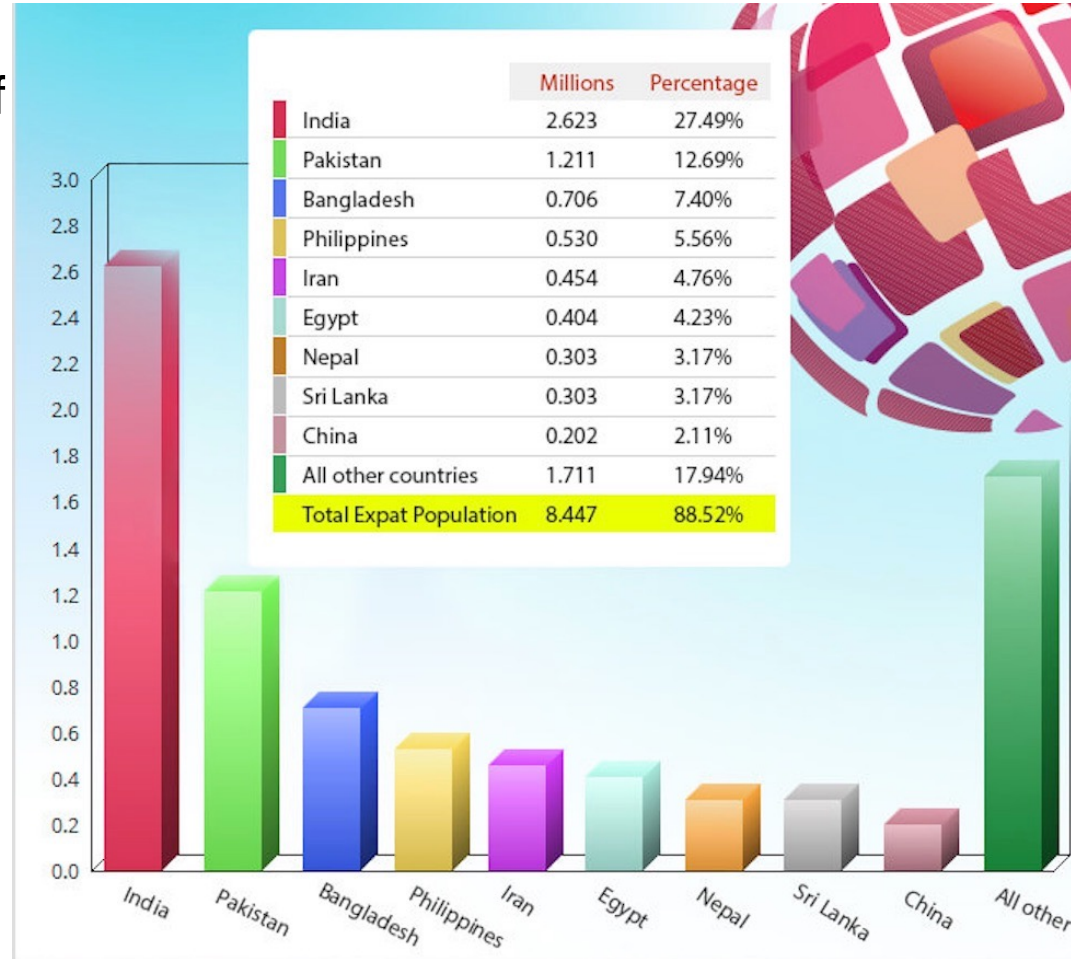
Outline

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Introduction

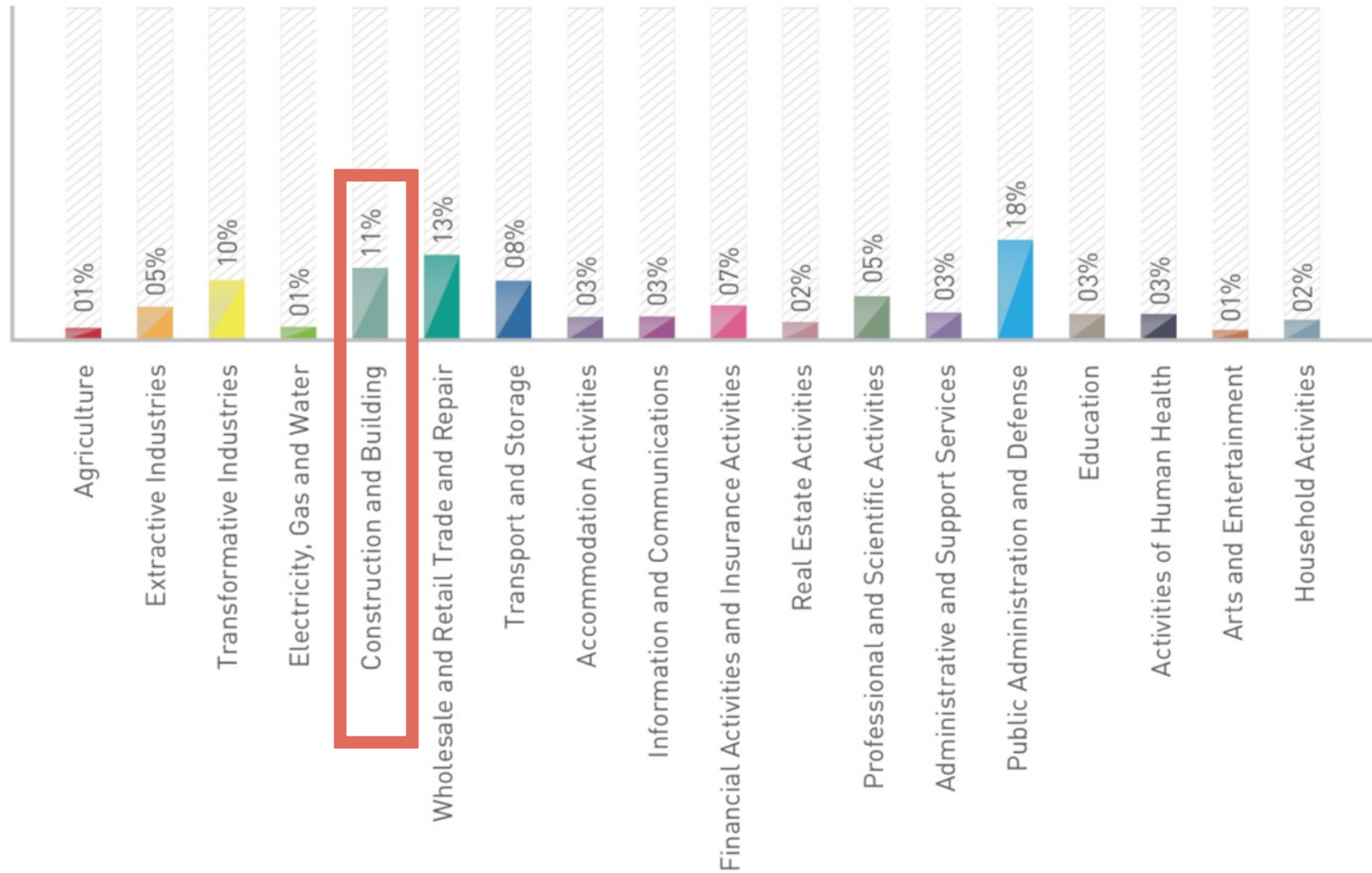
- Migrant workers account for 88.5% of the total population of the United Arab Emirates (UAE). (9.89 millions in 2020, 9.54 millions in 2018)
- Most of the migrants work in the construction industry.
- Few population-based data were available about the burden of time-loss injuries among construction workers.

Figure 1: Migrant Population in the UAE , 2018



Source : https://www.globalmediainsight.com/blog/uae-population-statistics/#population_by_nationality

Figure 2: Relative distribution of employed workers by economic sectors in 2015



Source: The Annual Economic Report 2017 - Ministry of Economy, UAE.

Aims & Objectives

- The present study aimed to determine the prevalence and associated characteristics of time-loss injuries* among construction workers in Al Ain, Abu Dhabi Emirate.

*
Lost time injury (LTI): A work injury that results in absence from work for at least one full day or for one shift at any time after the day or for the shift on which the injury occurred.

Materials & Methods

- A cross-sectional study design.
- A random sample of 1634 construction workers in Al Ain.
- Study participants completed a self-administered multilingual questionnaire with the help of trained research assistants of English, Arabic, Malayalam, Urdu, Hindi, Bengal, and Pashto.
- The primary outcome was an injury resulting in one or more days absence from the work (per 100 construction workers).
- The study was approved by UAEU Ethics Committee for Social Sciences Research.

Results

DATA PRESENTATION

Results

Construction workers surveyed for time loss injuries

1634

Total construction workers

546 injured workers

19.9% (109 participants)-
(95% CI [16.8-23.5])

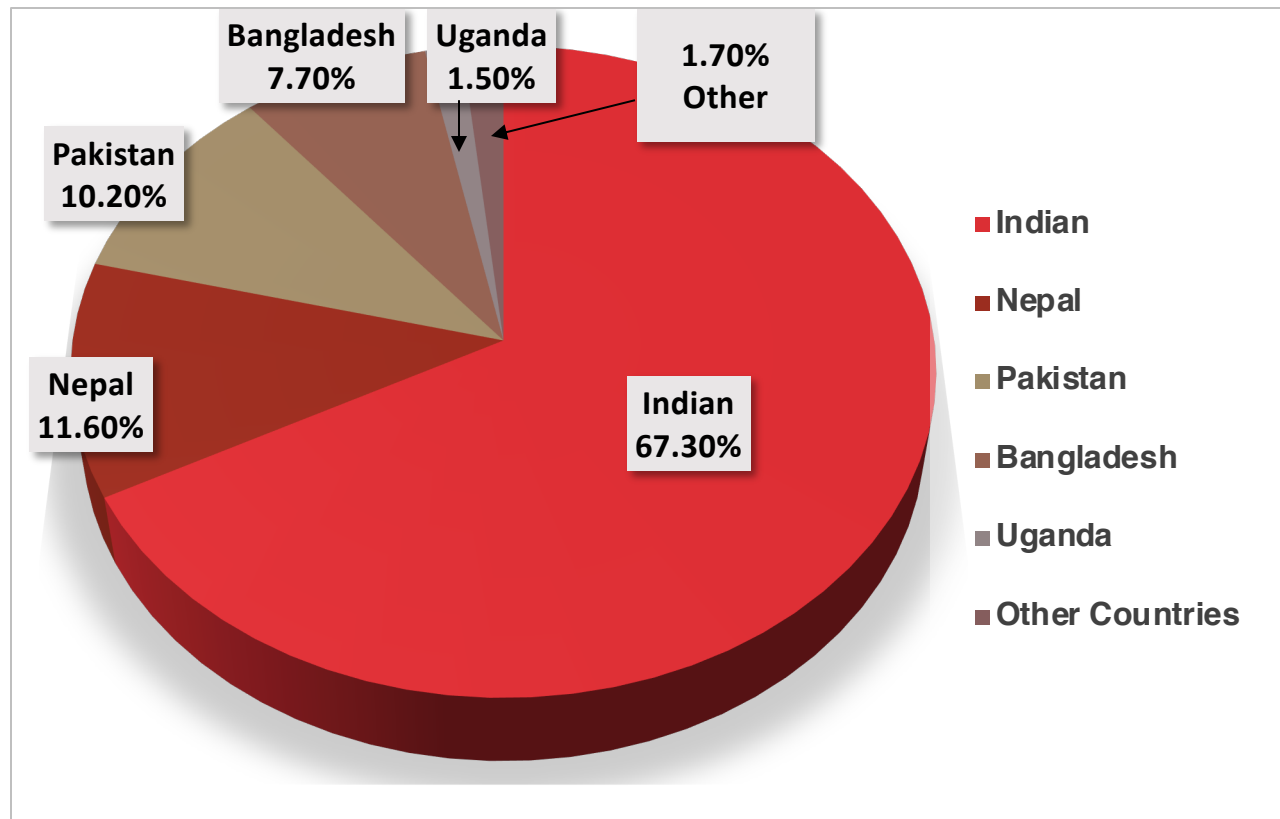
Time loss injury

10.7% (11 participants)

Hospitalized for treatment

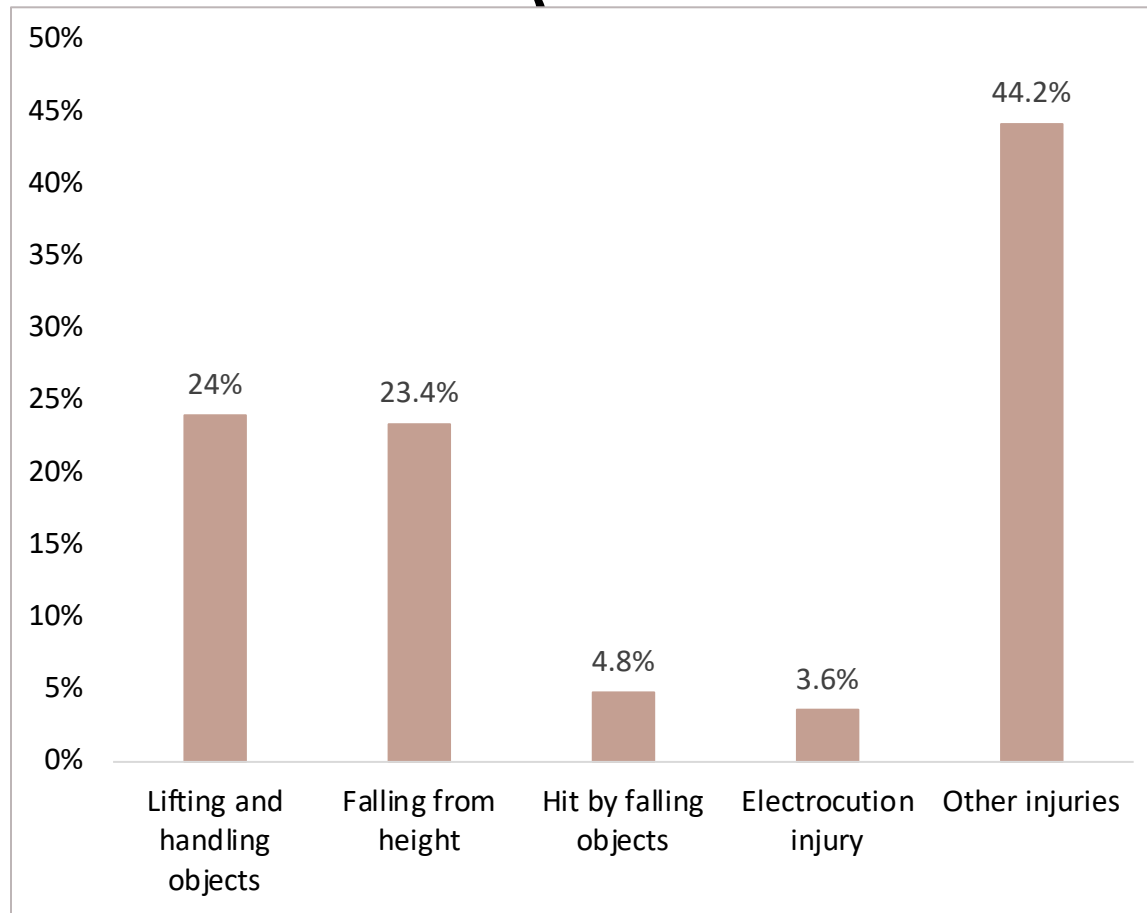
Results

Figure 3: Nationality of the study participants (n=1634)



Results

Figure 4: Causes of injuries (n=546)



Results

- Time-loss injuries were a significant burden among construction workers in UAE.
- The information in this study can guide the prevention efforts to reduce injury and illness rates in the construction sector in the Abu Dhabi Emirate.

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