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Utilization of Personal Protective Equipment and Associated Factors Among Building Construction Workers in Addis Ababa, Ethiopia, 2019

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Background: Personal protective equipment (PPE) is a material worn by workers to reduce chance of exposure from any harmful that may causes injury, disease, or even death. This study was conducted to assess PPE utilization and associated factors among building construction workers in Addis Ababa, Ethiopia, 2019.

Methods: Cross-sectional study was conducted on construction sites of Addis Ababa city from April 1 to May 18, 2019. Data were collected via interview, entered into Epi info and exported to SPSS for analysis. A p-value of less than 0.05 in multivariate analysis was considered as significantly associated.

Results: Utilization of at least one PPE among construction workers in Addis Ababa was found to be 38%. Majority (41.1%) of the participants' reason for not using PPE were the unavailability of PPE followed by absence of orientation on using PPE (21.3%). Factors associated with utilization of PPE were the presence of training on PPE use (AOR = 4.8; 95% CI: 2.3, 10.3), presence of safety training (AOR = 2.8; 95% CI:1.5, 5.2), safety orientation before commencing work (AOR = 4.0; 95% CI:1.9, 9.0) and presence of supervision (AOR = 5.0; 95% CI:1.9, 13).

Conclusions: PPE utilization among building construction workers in Addis Ababa was low. The main reasons for non-utilization of PPE were unavailability of the materials and the absence of orientation on using PPE. There should be continuous supervision of construction sites to assure all workers get material and training on how to use it.

Keywords: Personal protective equipment, Construction workers, Ethiopia.

Biography:

Messeret Yitayew Tizazu is a Meseret 28 male Ethiopian; He had Bsc degree in Nursing from Debre Marko's University , Msc on Emergency medicine and critical care from Addis Ababa University and Msc in Social work.

He working exposures were st Paul's hospital and ABET trauma nurse, Ethiopia Public health institution as maternal health survey coordinator. Messeret Yitayew Tizazu is Currently working as lecturer in Assosa University health Science College.

The main influencer for this paper and path was my hospital stay; many of my clients were falling down and car accidents which push me to seek grow up on the area of emergency medicine.