

# **Exploring the Barriers and Facilitators in Using of Pedestrian Bridges among Pedestrians: A Qualitative Study**

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## **Abstract:**

**Background and Objective:** Traffic accidents involving pedestrians have become a major concern all over the world, particularly in developing countries. Pedestrian's bridges are one the most important safety vehicle which provides the safety crossing for pedestrians. The aim of this study is the identification of factors which affect in use or non-use of escalator or bridges.

**Materials and methods:** The qualitative approach was used in this study to obtain depth understanding of pedestrian reasons in using or non-using of escalator or bridges for safety crossing. In order to having relaxing interview, the male and female interviewees were used.

**Results:** Three main themes emerged in interviewing with pedestrians who use bridges for crossing: the risk perception of pedestrians, social pressure and existence of fence in street which make it difficult to passing. Also, among those who had crossed the street without using the bridges, responses were categorized in tow themes: first, factors related to escalators and bridges such as: being off escalators and failure of bridges and the other one; factors related to individuals, such as:hurrying steps.

**Conclusion:** Exploring the pedestrians experiences about the barriers and facilitator in using and non-using of pedestrians bridges, show that implementing some programs such as; training programs, improvement the culture of safety behavior among pedestrians in crossing the street and installing the fence along the streets can have a positive influence on using of pedestrians bridges in crossing the street.

**Keywords:** Pedestrian, Behavior, Bridges, Qualitative study.