

## Mortality Patterns of In-Patient Accidents: A Retrospective Hospital-Based Study In Kirkuk City

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### ABSTRACT

The impact of accidents and injuries is substantial, particularly as they predominantly affect young individuals and often result in untimely death or significant disability. These incidents rank as the fourth leading cause of death worldwide and are the primary cause of mortality among youth in developing nations. This study aimed to identify the assessment of accident mortalities and the age group relationship to the sociodemographic characteristics of studied samples. A retrospective cross-sectional study was conducted to review hospital records of all traumatized mortalities presented to the Forensic Medicine and Police Cases Department / Kirkuk Health Directorate in Kirkuk Governorate/ Iraq, between 2018-2023 at Azadi Teaching Hospital, 390 cases collected and SPSS version 27, (frequencies/percentages). Chi-square was utilized for associating qualitative data. P-value  $\leq 0.05$  was considered to be statistically significant. The mean age  $\pm$ SD of them was  $29.47 \pm 19.26$  years, 96 (24.6%) of them were between the ages of (20-29) years, and Alcohol consumption was reported among the tenth percent, the highest proportion of fatal accidents reported at night, particularly after dinner most etiology reported from careless, statistically a significant association reported between age group and marital status, education, occupation, Alcohol consumption, geographical accident, death time, etiology and diagnosis. The conclusions may be useful in developing strategies or an educational program for reducing injury-associated mortality.

**Keywords:** Mortality, injury, accident, Age.

*Bahrain Med Bull 2025; 47 (1): 2742-2748*

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