

The Epidemiologic of the Traffic Accidents Helped by EMS, Guilan 2011-2013

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Abstract

Background: Nowadays one of the most important dangers that affect health promotion and societies developing is increasing of the traffic accidents, thus we decided to assess the epidemiological aspects of the traffic accidents helped by EMS in Guilan 2011-2013.

Methods: This is a descriptive cross sectional study that 31263 traffic accidents helped by EMS in Guilan province were assessed. For all the patients a check list including age, sex, patients situation (car driver, passenger of car, motor driver, passer-by or others), site of accidents (country side, in the city and rural road), kind of injuries (slight, severe and amputation) was recorded. Data was inserted in SPSS Version 19 and analyzed by qi-square and t-test.

Findings: The results of this study showed that with regarding to 3.1% increasing in the prevalence of traffic accidents and helping to the injured people by EMS, in 2013-2012 in front of 2012-2012, the treatment of outpatients increased 14.43%. 24024 (76.9%) of the patients were male and 7239 (23.1%) were female. Most of patients were in the age range of 18 to 24 (7967 patients or 25.4 %) years old. The most traffic accidents were 16608 (52.01%) cases that occurred in the country side roads. The most of the patients' situation in males were motor accidents in 11937 cases (98.7%) and in female were passer-by in 16608 cases (53.01%). The most prevalent season of the accidents was summer (10276 or 33%). Among the all the injured people 27401 cases (87.6%) were admitted in the hospital and 3862 cases (12.3%) were treated as outpatients.

Conclusion: With respect to results of this study it can be presented that most of the injured people were young motor drivers, that represent the high prevalence of using it among Guilan province young peoples and being inattention to the traffic rules, need to necessary attention to prevention of this problem.

Key words: Accidents, Pre Hospital Emergency