A Comparative Study of the Effect of Mental Ability of motorcyclists on the Severity of Accidents
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Introduction

The motorcycle is a vehicle which has a maximum %25 of the surface occupied by a car and is in charge of %2.7 of inter-urban transportation.

The role of human factor in all accidents is 70-90 percent and this is one of the important statistics about accidents and injuries.

They have driver’s behavior to type A and B that type A refers to people who tries to achieve the goal and nothing can prevent them. But type B is vice-versa.

People mental state on driving accident severity

Researchers by checking the experience of injuries have divided the reasons of motorcycle accidents to three main factors as follow:
- Use of motorcycle as a recreational vehicle
- Cultural and economical reasons
- Environmental and technical factors

The role of reduction of driving ability in comparison with other human factors affecting on accidents - Pakgohar, A., Khalili, M. (2009).

The injury of people with type A is %74 and this number for group B is %26.

The effect of using drugs and alcohol on accident severity of motorcyclists

Wick in his study on German motorcyclists found out most of accident are happened on age-group 25-30, and the most of accidents are occurred on summer vacations or weekends.

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Discussion

It was determined accident severity due to transient reduction in drive ability of drivers like using drugs isn’t meaningful. In addition, this conclusion has confirmed by Sminkin and et.al. They express there’s no significant effect due to use of drugs on accident severity.

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Important References
