The purpose of this descriptive research was to study factors influencing accident prevention behavior of injured motorcyclist at inpatients department, Police General Hospital. The sample group were 96 inpatients selected by purposive sampling. The research instrument was the questionnaire constructed by the researcher. Data analyses were made for percentage, mean, standard deviation, Chi-square test, Pearson's Product Moment Correlation Coefficient and Multiple Regression Analysis.

The major results of this research were as follows: Forty six point eight eight percent of the samples had accident prevention behaviors at a moderate level. The predisposing factors namely the perception on susceptibility had positive relation with accident prevention behaviors. The enabling factors namely the experience on riding and a motorcycle accident had negative relation with accident prevention behaviors. The reinforcing factors namely a receiving of information concerning accident and a prevention of accident from individuals and media had negative relation with accident prevention behaviors. while the bio-social factors namely education, income and occupation had positive relation with accident prevention behaviors.

The predictive factors of accident prevention behaviors in injured motorcyclist inpatients at Police General Hospital were the perception on susceptibility and income, which were able to predict accident prevention behaviors for 27.60 percent. The best predictive factor, which was able to predict accident prevention behavior in injured motorcyclist inpatients for 19.20 percent was the perception on susceptibility.

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