

Thesis Title            A Comparative Study of Factors Involving in  
Motorcycle Accident of Secondary School  
Students at Saraburi Province.

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#### ABSTRACT

The objective of this study was to find out the driver's factors involving in motorcycle accidents among secondary school students in Saraburi Province. There were 208 accident cases in the study group and 416 non-accident students which were in the same school, class, age and sex, in the control group. Data were collected during Junly 1 to August 31, 1992.

Using univariate analysis to estimate odds ratio of each factor, the results showed that the Odds ratio (95%CI of OR) of agreement violated of traffic law was 9.21(4.99<OR<17.13), knowledge about traffic law 3.42 (2.30<OR<5.10), no back-mirror 3.29 (2.27<OR<4.76), driving experiance less than 1 year 2.86

(1.58<OR<5.21), average speed driving over 60 k.m/hr in municipal areas 2.62(1.09<OR<6.34), no back-light signal 2.45 (1.01<OR<5.29), no thrn-light signal 2.43(1.38<OR<4.27), average speed driving over 80 k.m/hr in rural areas 2.24(1.31<OR<3.85) and no horn 2.21(1.13<OR<3.73)

The remarkable of odds ratio using multivariate analysis, about that risk factors of motorcycle accidents, showed that agreement violated of trafic law 6.19 (3.34<OR<11.48), knowledge about traffic law 2.89(1.97<OR<4.26), driving experiance less than 1 year 2.82 (1.51<OR<5.28), and no back-mirror 2.31(1.56<OR<3.42).