

Thesis Title                    The Effectiveness of Health Education Program on  
Motorcycle Accident Prevention Among Secondary  
School Students, Amphoe Muang, Ubonratchathani  
Province  
Name                            Wilailuk Kittiwongsopha  
Degree                         Master of Science (Public Health) major in  
Health Education  
Thesis Supervisory Committee  
Roongrote Poomriew   M.A., M.P.H., Ph.D.  
Nirat   Imaee               M.P.H., Ph.D.  
Boonyong Keiwkarnka M.Ed., M.P.H., Dr.P.H.  
Date of Graduation    13 May B.E. 2535 (1992)

#### ABSTRACT

At present, traffic accident, particularly motorcycle accident, is a major cause of death and injury. It is reported that 60 percent of injuries among secondary school students caused by motorcycle accident. A specific health education program may assist these students to prevent themselves from getting motorcycle accident. This quasi-experimental study aimed to examine the effectiveness of health education program on motorcycle accident prevention among secondary school students in Amphoe Muang, Ubonratchathani Province. Social learning theory, promptness and self reminder, group process and some methods of health education were applied for conducting activities in the program. The sample included 120 secondary school students. Of these subjects, 60 students were assigned to experimental group while the

rest were assigned to comparison group. The experimental group participated in health education program from November 1991 to January 1992. Questionnaire was the main tool used for data collection.

Percentage distribution, arithmetic mean, standard deviation, Student's t-test, Paired Samples t-test, Pearson Product Moment Correlation Coefficient were employed to analyse data.

The result of the study indicated that those students gained statistically more knowledge attitudes regarding safety motorcycle riding, traffic regulation, susceptibility and severity of motorcycle accident, and practice to prevent such accident than prior to participating in health education program and than the comparison group. There was significant positive relationship between attitudes towards motorcycle accident prevention and practice.

Results of this study suggest that this health education program can enhance secondary school students' knowledge and attitudes towards motorcycle accident prevention which can lead to proper practice. Therefore, this health education program may be applied to students and other target groups to prevent such accident.