

Thesis Title Awareness of Air Pollution among Traffic Policemen
in Bangkok Metropolitan

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ABSTRACT

The study aims to assess awareness of air pollution among traffic policemen in Bangkok Metropolitan in two respects: 1) awareness of air pollution and health hazards; 2) awareness of the needs for self-protection from air pollution. Analysis includes relationship between demographic characteristics and awareness of air pollution; the relationship between awareness of air pollution and mask utilization behavior and relationship between opinion about air pollution, self-protective behavior, and health problems caused by air pollution.

The sample was composed of 192 traffic policemen from 6 police stations in Bangkok Metropolitan, data collection tool was self-administered questionnaire. The questionnaire contains (1) demographic characteristics, (2) awareness of air pollution, (3) health protection behavior and, (4) opinion about air pollution and self-protective behavior. The data were analysed by using descriptive statistics (frequencies, percentages, means and mode) and analytical statistics (cross-tabulation, chi-square test, contingency coefficients)

The study findings are 3 in 5 (61 %) of traffic policemen had moderate awareness of air pollution 26 % high awareness and 13 % of low awareness. It was found that only age and abnormal physical symptoms occurred during working on the road significantly associated with awareness of air pollution ($P < 0.05$). Yet no significant relationship was found between awareness of air pollution and health protection behavior.

The study also showed that the opinion of air pollution and self-protective behavior, the need for using mask during working, and using mask for preventing health hazard of air pollution was related to the awareness of air pollution ($P < 0.05$). It was also found that the expressed need for support in their work and efforts in solving resulting health problems had a significant relationship with the awareness of air pollution. Assistance they wanted were: free physical check-up for all traffic policemen; compulsory annual physical check-up, provision of masks; selection only healthy policemen to work in traffic section; and enforcing all traffic policemen to use mask while working on the road.