

## The Integrated Safety Promotion Program on Safety Work Behaviors Among Waste Collectors

**Authors :** Natnicha Wareesamarn, Waruntorn Jongrungrotsakul, Anon Wisutthananon

**Abstract :** Occupational illnesses and injuries are the partial results of unsafe work behaviors. Safety training, an occupational health and safety standard, could either reduce or prevent such illnesses and injuries. This quasi-experimental research aimed to examine the effect of integrated safety training on safety work behaviors among 54 waste collectors working in the Su-ngai Kolok and Muang districts in Narathiwat Province. The workers were equally divided into an experimental or a control group (27 in each). The study was implemented from September to November 2021. The research instruments consisted of 1) an integrated safety promotion program on safety work behaviors which was developed based on the literature review, and 2) a questionnaire on safe working behaviors among waste collectors modified from a safety work behaviors questionnaire by Sitthichai Jaikhan et al. (2019). The content validity of the questionnaire was confirmed by experts with a content validity index of 0.97, while reliability was at an acceptable level (0.86 - 0.90). Data were analyzed using descriptive statistics and a t-test. The findings showed that after receiving the integrated safety promotion program on safety work behaviors, the mean scores for safety work behaviors among the experimental group ( $\bar{x} = 73.89$ , S.D.=1.12) were significantly higher than those of the control group ( $\bar{x} = 47.93$ , S.D.= 2.45) ( $p < .001$ ). Furthermore, it was found that the mean score for safety work behaviors among the experimental group after receiving the integrated safety promotion program ( $\bar{x} = 73.89$ , S.D.= 2.45) was significantly higher than that before receiving the program ( $\bar{x} = 47.85$ , S.D.= 2.16) ( $p < .001$ ). These findings indicate that occupational health nurses and related staff should place great concern on the application of integrated safety promotion programs into their own work. This is anticipated to enhance safe work behaviors, thereby reducing occupational illnesses and injuries, as well as enhancing the quality of working life among waste collectors.

**Keywords :** integrated safety promotion program, safety work behaviors, waste collectors, safety training

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