

## **Factors Related to Protective Behavior on Indoor Pollution among Pregnant Women in Nakhon Pathom Province, Thailand**

**Authors :** Yuri Teraoka, Cheerawit Rattanapan, Aroonsri Mongkolchati

**Abstract :** This cross sectional analytic study was carried out to determine factors related to protective behavior on indoor pollution among pregnant women in Nakhon Pathom province, Thailand. A total of 319 pregnant women were enrolled at three antenatal care clinics in community hospital. Data were collected using simple random sampling from April 2015 to May 2015 using a structured self-administration questionnaire by well-trained research assistants. The result showed that around 73% pregnant women showed low level of low protective behavior on indoor pollution. Chi-square and multiple logistic regression were used to examine the factors and protective behavior on indoor pollution. After adjusting for confounding factors, this study found that tobacco smoking before pregnancy (AOR=2.15, 95% CI: 0.78-5.95) and low environmental health hazard (AOR=1.94, 95% CI: 1.09-3.49) were significant factors related to protective behavior on indoor pollution among pregnant women (p-value < 0.05). In conclusion, this study suggested that environmental health education campaign and environmental implementation program among pregnant woman are needed.

**Keywords :** Thailand, environmental health, protective behavior, pregnant women

**Conference Title :** ICEM 2017 : International Conference on Environmental Management

**Conference Location :** Vienna, Austria

**Conference Dates :** June 21-22, 2017