

7<sup>th</sup> International Conference on

# PUBLIC HEALTH AND NURSING

September 19-20, 2018 Singapore

## Acceptance of seasonal influenza vaccination among nurses in a Hong Kong public hospital with health belief model.

**Leung Shuk Hang,**

The Chinese University of Hong Kong, Hong Kong

**Background:** Vaccination is an important cost-effective measure for preparing against influenza, but uptake rate of flu vaccination was low among nurses worldwide. In Hong Kong, a place suffered from 2003 SARS outbreak and 2009 flu pandemic, the intention to receive flu vaccine among nurses was unexpectedly low.

**Purposes:** This study aimed to identify factors associated with nurses' intention to influenza vaccination and their risk perception towards influenza and vaccination.

**Methodology:** A cross-sectional questionnaire survey was conducted in January to February 2018. 300 nurses who worked in a Hong Kong public hospital were recruited by convenience sampling. Descriptive statistics and binary logistic regression analysis were used.

**Results:** For the coming year, 66 (24.6%) respondents were willing to receive influenza vaccine, 133 (49.6%) refused to be vaccinated, and 69 (25.7%) were undecided. For respondents who refused vaccination, "the flu vaccine may not be safe" (40.6%) and "the vaccine may not good for health" (21.1%) were the statistical significant associated factors with p-value < .05. After adjusted the regression logistic model, factors related to the intention of the vaccination were "Previous experience of vaccination" (OR= 98.66, 95% CI [19.79-491.75]), "Taking seasonal influenza vaccination could effectively protect me from being infected with influenza" (OR=40.71, 95%CI [8.20-202.02]) and "likelihood of being infected in the coming influenza season" (OR=3.46, 95%CI [1.024-11.67]).

**Conclusion:** Education on vaccination safety and promotion which focus on flu vaccination effectiveness and the likelihood of contracting influenza are crucial to "kick-off" the journey of vaccination, increase awareness and vaccination uptake rate among nurses.

shukhang@hotmail.com

**Notes:**