

## Knowledge and Opinion for Success Factors of Prevention and Control Avian Influenza of the Action Center for Prevention and Control Avian Influenza Committee in Provincial and District Level between the Single Outbreak and Re-outbreak Areas in Northern Thailand

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**Abstract** The Provincial and District Action Center for Prevention and Control of Avian Influenza play an important role in avian influenza disease control in each province. The Objective of this study was to evaluate and compare knowledge, attitude of center's committees on factors affecting to success of avian influenza control and prevention, problems and suggestions for disease control in two different AI outbreak areas. This study was conducted in Chiang Mai area, which had only outbreak in the first wave, and Pitsanulok area, which was defined as re-outbreak area. Data regarding knowledge in disease control and prevention, attitude, problems and suggestions for problems solving were collected from provincial and district committees through structured questionnaire, in-depth interview, and focus group discussion. Fifty eight and forty two provincial and district committees in Chiang Mai and Pitsanulok were participated in this study respectively. The Study was conducted during October 2010-March 2011. The Results revealed that overall knowledge of the committees in both provinces had no statistical difference. However, the knowledge in five control measures including AI case definition, improvement of fighting cock raising, objectives of surveillance and investigations, surveillance process and objectives of the public communication had statistical differences. Furthermore, the attitude of 4 factors affecting to success of disease control including human preparation, stamping out by criteria, cooperation planning and AI knowledge information was statistical different. The Results of this study would be useful for improving on working system of The Provincial and District Action Center for Prevention and Control of Avian Influenza.

**Keywords:** Knowledge, Success factors, Avian Influenza, The Single outbreak area, The Re-outbreak area, The Provincial and District Action Center for Prevention and Control of Avian Influenza

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