

**CAPACITY FOR EARLY DETECTION, RESPONSE AND
PRACTICE OF VILLAGERS IN RELATION TO VETERINARY
EMERGENCY PREPAREDNES FOR PREVENTION, DIAGNOSIS
AND SURVEILLANCE OF HIGHLY PATHOGENIC AVIAN
INFLUENZA (HPAI) IN SUPHANBURI PROVINCE**



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for the Degree of Master of Public Health Program in Health Systems Development
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Thesis Title Capacity for early detection, response and practices of villagers
 in relation to Veterinary Emergency Preparedness for
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 Avian Influenza(HPAI) in Suphanburi province

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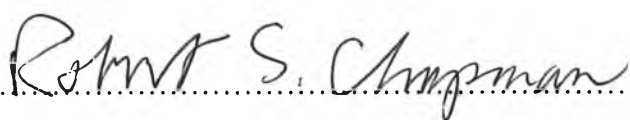
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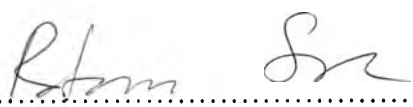
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DUBRAVKA SELENIC MINET: CAPACITY FOR EARLY DETECTION, RESPONSES TO AND PRACTICES OF VILLAGERS IN RELATION TO VETERINARY EMERGENCY PREPAREDNESS FOR PREVENTION, DIAGNOSIS AND SURVEILLANCE OF HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI) IN SUPHANBURI PROVINCE THAILAND. THESIS ADVISOR: ASSOCIATE PROFESSOR RATANA SOMRONGTHONG, M.A., Ph.D., 90 pp.

The purpose of this study was to evaluate the knowledge, practices, and responses of Thai villagers in relation to avian influenza (AI), in Suphanburi province where there was more than one outbreak with human fatal cases and to provide this information to governmental and non governmental institutions for evaluation of all veterinary and health action taken during four waves of avian influenza outbreaks in Thailand. The study also describes socio-demographic characteristics, source of information on avian influenza and attitudes regarding satisfaction of affected farmers with governmental action and compensation.

A cross-sectional analytical study with a self-administered questionnaire and group discussion were used in this study with a systematic sampling method, using one adult per household. The results showed that respondents had a reasonably accurate knowledge about AI. About 68% of respondents had moderate knowledge about symptoms of sick birds and 58.3% had moderate knowledge regarding AI transmission; 67.2% have moderate knowledge about AI and 48.9 % had moderate practice level.

The survey result shows that the knowledge of respondents does not relate directly to their practices in relation to disease prevention, surveillance and diagnosis.

The main source of avian influenza information was TV broadcasts. Correlation analysis showed that income was positively and highly significant correlated with basic knowledge score ($r=0.227$, $p<0.002$) and positively correlated with precaution ($r=0.182$, $p<0.015$). Significant association was found between knowledge of AI symptoms of affected poultry farmers ($p<0.004$). Positive significant association was as well between AI basic knowledge and affected farmers ($p=0.013$). There was highly significant association between knowledge and practice ($p<0.001$). Practice score was positive significant correlated with score for transmission knowledge ($p<0.004$).

Taking into account that good practice is carried out by less than 50% of farmers' means that the government needs to explain more about safety practices.

The government has carried out a massive campaign to explain the dangers and to make people aware of AI but this has not had the expected impact on farmers who still do not fully believe the dangers.

Field of Study: Health System Development

Student's signature

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Advisor's signature

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TABLE OF CONTENT

	Page
ABSTRACT	iii
ACKNOWLEDGEMENTS.....	iv
TABLE OF CONTENTS	v
LIST OF TABLES.....	vii
LIST OF FIGURE	ix
LIST OF ABBREVIATIONS	x
CHAPTER I INTRODUCTION	1
1.1 Background and rationale.....	1
1.2 Research question.....	7
1.3 Objectives	7
1.4 Research hypothesis	8
1.5 Variables of the study	8
1.6 Terminology and operational definition.....	9
1.7 Conceptual Frame work.....	11
CHAPTER II LITERATURE REVIEW	12
2.1 Avian Influenza	12
2.2 Aetiology	12
2.3 Epidemiology and pizology.....	13
2.4 Clinical signs	15
2.5 Differential diagnosis	16
2.6 Measures to implement in the event of a suspected outbreak	17
2.7 Regulation of conduct in the event of a suspected outbreak	17
CHAPTER III RESEARCH METHODOLOGY	22
3.1 Research design	22
3.2 Study population.....	22
3.3 Sample size	22
3.4 Sample methods.....	23

TABLE OF CONTENT (Cont.)

	Page
3.5 Validity test.....	23
3.6 Reliability test.....	24
3.7 Data analysis methods	24
3.8 Ethical consideration	25
 CHAPTER IV RESULTS	 26
4.1 Socio-demographic characteristics of the respondent	27
4.2 Source of information about avian influenza	29
4.3 Information about the previous and present poultry farming situation	30
4.4 Knowledge regarding practice, response and precaution for AI	33
4.5 Knowledge of avian influenza.....	38
4.6 Knowledge regarding AI	38
4.7 Attitude or measure of satisfaction with government actions and compensation for dead or culled birds.....	48
4.8 Attitude regarding changes in poultry handling practice.....	50
4.9 Relation between independent and dependent variables	51
4.10 Qualitative data analysis group discussions	57
 CHAPTER V DISCUSSION, CONCLUSION AND RECOMMENDATION	 60
5.1 Discussion.....	60
5.2 Scope and Limitation of the Study	63
5.3 Conclusion and Recommendations	64
 REFERENCES	 67
APPENDICES	70
CUEEICULEM VITAE	83

LIST OF TABLE

Table	Page
1 Frequency and percentage distribution of villager's respondent by Socio Demographic Characteristic	28
2 Frequency and percentage Distribution of villager's respondent of Source of Information about AI	29
3 Percentage and number of respondents to question on information about previous and present poultry farming situation	31
4 The number of present poultry farms, the current poultry farming situation and the number of dead or culled birds for the same farms	32
5 Percentage and number of respondents to questions regarding Practice and responses for AI outbreak	35
6 Frequency and percentage of respondents classified in level groups regarding of knowledge level regarding practice and response for AI	38
7 Percentage and number of respondents to question about AI knowledge	40
8 Level of AI knowledge	42
9 Percentage and number of respondents mentioning the ways that poultry can get infected	43
10 Level of knowledge on Transmissions and Spreading of AI	45
11 Frequency and percentage of respondents regarding Symptoms of sick birds	46
12 Level of knowledge regarding poultry Symptoms of AI infection	48
13 Frequency and percentage of responder's attitude regarding satisfaction with governmental actions	49
14 Frequency and percentage regarding change in poultry practice handling	50
15 Correlation between symptoms and transmission regarding AI	51
16 Association between gender and the measures taken with sick chickens	51
17 Association between income, AI Knowledge and Precaution	52
18 Correlation between knowledge and precaution	52
19 Association between Knowledge Gap and Education	53
20 Association between Knowledge and poultry farmers	53
21 Association between Symptoms knowledge and poultry farmers	54
22 Correlation of practice score and transmission knowledge	54

LIST OF TABLE (Cont.)

Table	Page
23 Association between basic Knowledge and Practice.....	55
24 Knowledge about the dangers in the use of poultry dung as a fertilizer1	55
25 Association between respondents and attention to curing.....	56
26 Association between respondents and income lost.....	56
27 Association between respondents regarding necessity to promote awareness	57

LIST OF FIGURE

Figure	Page
1.1 Conceptual framework for the research with independent and dependent variables.....	11

List of Abbreviations

AI	Avian Influenza
HPAI	Highly Pathogenic Avian Influenza
AUSVETPLAN	Australian Veterinary Emergency Plan
CDC	Center of Disease Control
COE-DMHA	Center of Excellence Disaster Management & Humanitarian Assistance
DLD	Department of Livestock Development
DG SANKO	Directorate General for Health and Consumer Affairs
FAO	Food and Agriculture Organization of the United Nations
OIE	World Organization for Animal Health
MOPH	Ministry of Public Health
NGO	Non-governmental Organization
WHO	World Health Organization