

Self-reporting of illness and accidents among sugarcane farmers in Northeastern Thailand

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Background

Using their life for money

"I use my bear hands to stir chemical pesticides when I mix them" (a farmer)



\star Number of workers in Thailand 38.7 million

Informal workers= 24.1 million

14.5 million farmers others 9.6 million

600,000 sugarcane growers







improper self-care

work with poor posture

Do not protect themselves during use of chemical pesticides or herbicides

Do not wear mask to protect themselves from dust









Informal sector workers

- low back pain, shoulder pain etc
- skin rash from chemical allergy
- coughs etc





Objective

- identity self-care practice among sugarcane growers
- identify self-reporting of illness and accidents among sugarcane growers



Setting for study: Three Provinces in Northeastern Part









Preliminary phase of action research

Participants: - purposive sampling

- 88 sugarcane growers

Data collection:

- focus groups, participant observation

and field notes

- self-evaluation of illness diaries







Data Analysis

- content analysis
- descriptive statistics such as mean and standard deviation

Demographic data of the participants (N=70) Table 3.1 Demographic data of the participants (N=70) (continued)

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sults Demog	graphic data		
Demographic data	Number	Percent	
Gender			
Male	63	71.6	
Female	25	28.4	
Age(years)			
25-34	13	14.8	
35-44	32	36.4	
45-54	27	30.7	
≥55	16	18.2	
Mean=45.15,SD=9.76			
ormally education level			
Primary school	65	73.9	
Secondary school	13	14.7	
College	10	11.4	
larital status			
Single	2	2.3	
Marriage	85	96.6	
Separate	1	1.1	
ncome(AUD)			
≤ 150	43	48.9	
151- 300	41	46.6	
≥ 301	4	4.5	





★ Improper self-care -work with poor posture







"I bend my body when I lift heavy thing since I feel familiar with it and I do not know that it is harmful for my back" (FG)







- using chemical pesticide without protection









- "I do not wear gloves when I mix chemical pesticide since I feel uncomfortable and I work awkwardly. This make me work very slowly and I can not finish my job on time"
- "I often used my mouth to blow obstructions from the chemical pesticide tank nozzle"









working in dusty environment without wearing a mask





"When I wore a mask, I could not breath comfortably because of hot weather and I sweat, then my mask was wet. After that I had never wore it" (FG)

Self- reported illness			
Illness	Number	Percent	
Musculoskeletal problems			1
- low back pain	46	40.5	
- shoulder pain	22	19.4	
- arm pain	22	19.1	
Respiratory problems			
- coughs	19	21.3	
- throat irritation	20	22.5	
- asthma	17	19.1	
Illness related to chemical			
- skin rash	10	11.2	
 finger nails necrosis and loss 	2	2.2	
- dizziness	28	31.5	
Accidents			
 cuts to their legs and arms 	12	13.5	
- wood stick stabbing their poorly protected	11	12.4	
feet			
Falls	10	11.2	





Conclusion

Community nurses and health personnel are able to use these results to care for sugarcane farmers by encouraging them in preventative health measures to better protect themselves against work related illnesses and injuries. The results of this study will be also used as basic information to develop a model for primary care unit to promote better health among sugarcane farmers.



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