

INFORMATION OF DOCTORAL DISSERTATION

PhD. Candidate: Tran Danh Phuong

Title of dissertation: *The real situation of occupational safety and health, relative and occupational diseases in Bacninh Tuynel brick workers and effect of intervention*

Speciality: Social Hygiene and Health Organization

Code number: 62.72.01.64

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NEW CONTRIBUTIONS OF THE DISSERTATION

1. The dissertation has identified the real disadvantageous situation of occupational safety and health on producing Tuynel brick in Bacninh of year 2013: The activity for primary health care for workers had done not well. The numbers of working environment exceeded permissible exposure limits (PEL) are high.

2. The rate of relative and occupational diseases is high, many impacted factors to health of Bacninh Tuynel brick workers:

- The rate of diseases in low respiratory track is 26.5%; The rate of eye diseases is 26.2%; The rate of Silicosis is 2.4%; The rate of workers have bronchitis image in lung X-ray is 36.4%.

- The rates of nose disease, Silicosis, bronchitis are related to using mask ($p < 0.05$) and sufficient, serious and strict training about occupational health and safety ($p < 0.05$).

3. Solutions for intervention in Bacninh Tuynel brick company have been proposed for worker's health care, making high effect:

- The rate of good knowledge and practice on occupational health and safety of workers about prevention for diseases is increasing; Effect of interventions made good knowledge is 26.1%, made good practice is 48.8% .

- Intervention made decrease the percentage of throat diseases (Effect of intervention is 18.7%); The series of acute nose diseases are decreasing (Effect of intervention is 29,93%); The series of acute bronchitis is decreasing (Effect of intervention is 48.54%); Effect of intervention to evolutionary velocity of eye cataract is clear decreasing (there is significance between two groups $p < 0,05$).

The model of intervention *Labor is center* have been received supporting and cooperating from communities (Employers and employees), maintained and enhanced in Tuynel brick industry.

PRACTICAL APPLICABILITY AND THE NEEDS FOR FURTHER STUDIES

*** Applications and Practical applicability:**

The model of intervention for increasing the knowledge, attitude, practice on occupational health and decreasing relative and occupational diseases.

*** Opening issues for further studies:**

- It is very important to improve the working condition, for example: Disadvantageous noise, dust pollution.

- How for decreasing the other occupational diseases: Skin diseases, bone disease, rheumatism.

Candidate

Certified by scientific advisor

Tran Danh Phuong

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