Food safety risk communication: A One Health approach to improve knowledge and practices along pork value chains in Vietnam

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Ν

Hung Yen

Constr.

Studied province:

1. INTRODUCTION

Food safety is attracted a great concern of public worldwide and required a multi-sectoral collaboration to manage potential risk of food borne illnesses. One health approach can be applied to food safety, where food safety risk communication (RC), apart from risk assessment and risk management (CODEX), plays a crucial role to disseminate the information and knowledge on risks amongst

3. RESULTS

Knowledge and practices scores of pig value chains actors (slaughterhouse workers and retailers) on food safety were improved. Local veterinary and health workers, local authorities' staff trained were better in managing and disseminating food safety information and training in their works.

scientist, managers or policy makers and community. This study aimed to improve their knowledge and practices on food safety for pork value chain actors, relevant stakeholders, and consumers to prevent foodborne illness using risk communication.

Hoa Binh

Nghe An

120 180 240

2. METHODOLOGY

2.1. Study sites

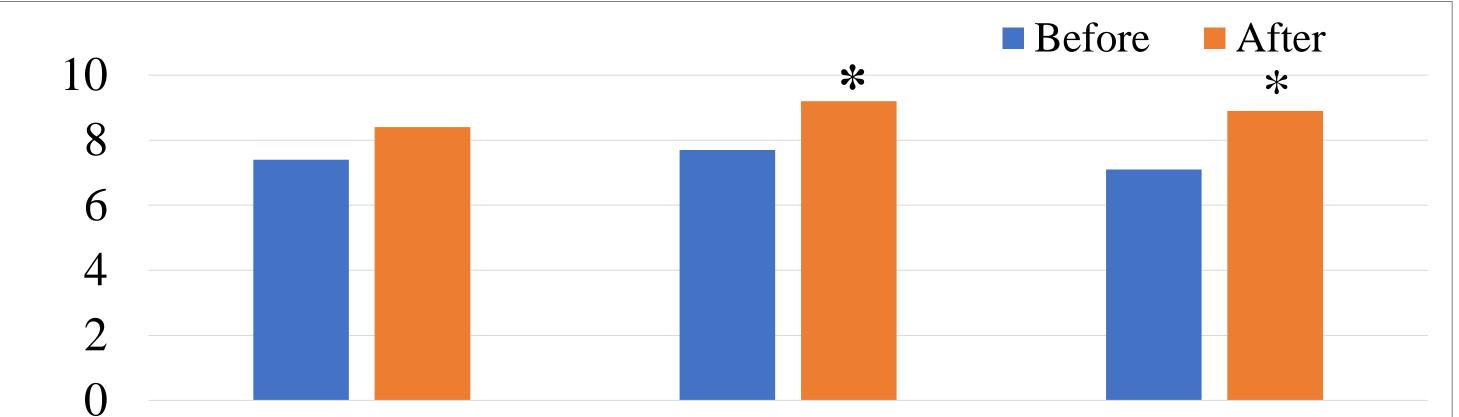
Fig 1. Map of study sites in Vietnam (*right below*) and three studied provinces.

2.2. Targeted groups



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|---|---------|-------|----|

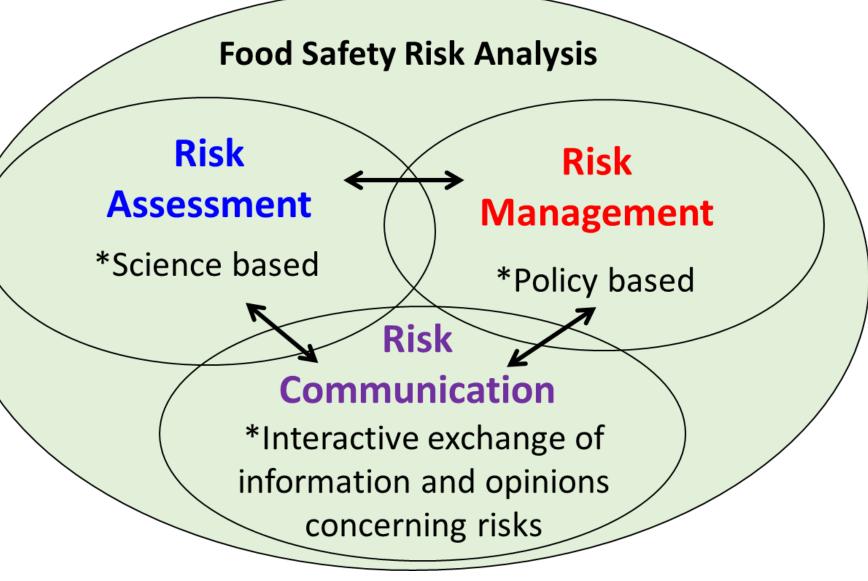
| Targeted groups | N#. participants (N#. females) | Topics in risk communication messages to improve | |
|---|--|---|--|
| Pig producers | 119 (94) | FS knowledge and hygiene | |
| Slaughterhouse workers | 43 (11) | practices related to their daily work | |
| Pork retailers | 30 (21) | such as a pig producers, slaughterhouse workers, | |
| Consumers | 191 175) | | |
| Canteen staff | 142 (129) | consumers, canteen staff | |
| Local authorities (TOT) | 175 (88) | FS knowledge, risks & conduct RC | |
| Total | 700 | 0 (518 females, 74%) | |
| Loud speaker campaigns (broadcasted 64 times) | Reach ~45% district population (120,000 community members, include 70,000 females): received information about FS knowledge, hygiene practices | | |



Local veterinary and health workers, local authorities' staff
Canteens staff, consumers in studied districts/provinces.

2.3. Study approach

Fig 2. Food safety analysis framework, *and FS risk communication component of the study from November 2019 to June 2022*



Kilometers



Participatory trainings, group discussions, meetings, loudspeaker campaigns

Chemical Bacterial/virus

Parasite

Fig 3. Perceive risk of food borne hazards of participant before and after training (*ranks from 1-least to 10-most important, *p<0.1*)

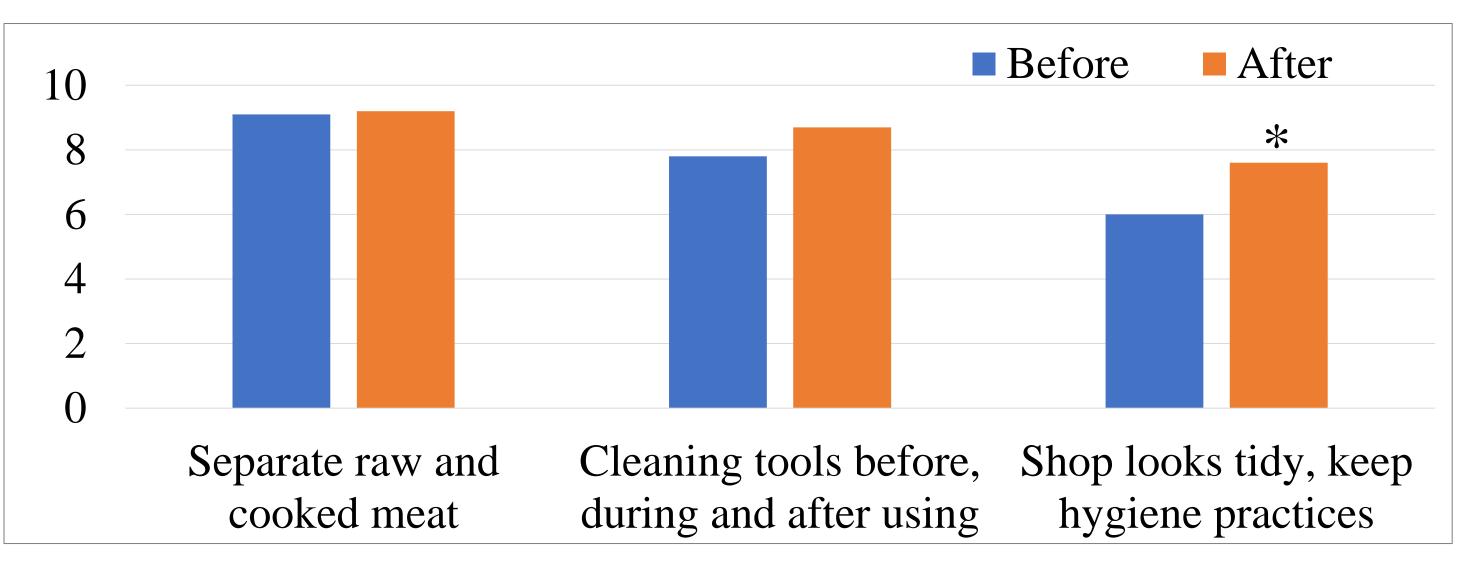


Fig 4. Changes in knowledge and practices to improve food safety of value chain actors before and after training (*ranks from 1-least to 10-most important*, *p < 0.1)

4. CONCLUSIONS



Handbooks, posters and leaflet on food safety practices and food borne illness prevention



Participatory and interdisciplinary approaches which engage different disciplines (veterinary, public health, and local authority) would create an effective channel to convey food safety knowledge and practices to targeted value chain actors and communities to reduce risk foodborne illnesses for consumers.

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