





SAFE FOOD, FAIR FOOD FOR CAMBODIA

Food safety control: Improving food safety in markets in Cambodia

Hung Nguyen, International Livestock Research Institute (ILRI)

November 12, 2020

Photo credit: ILRI















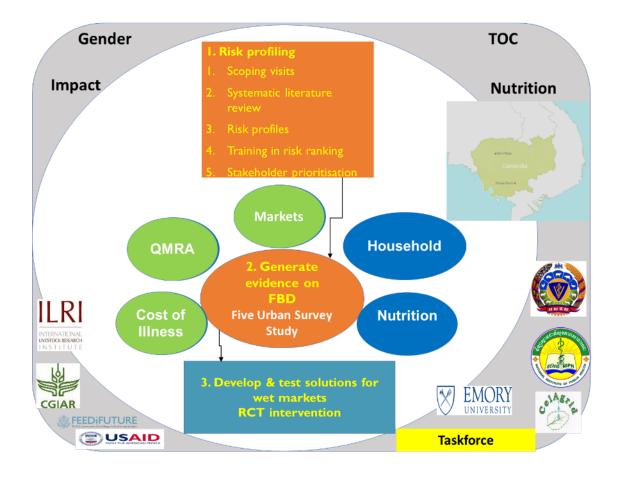
SFFF PROJECT AIM & OBJECTIVES

Reducing the burden of **foodborne disease** in informal, emerging formal, and niche markets and targeting smalland medium-scale producers.

Better evidence on foodborne disease in Cambodia.

Approach for improving food safety in wet markets.

Time: July 2017 – March 2021



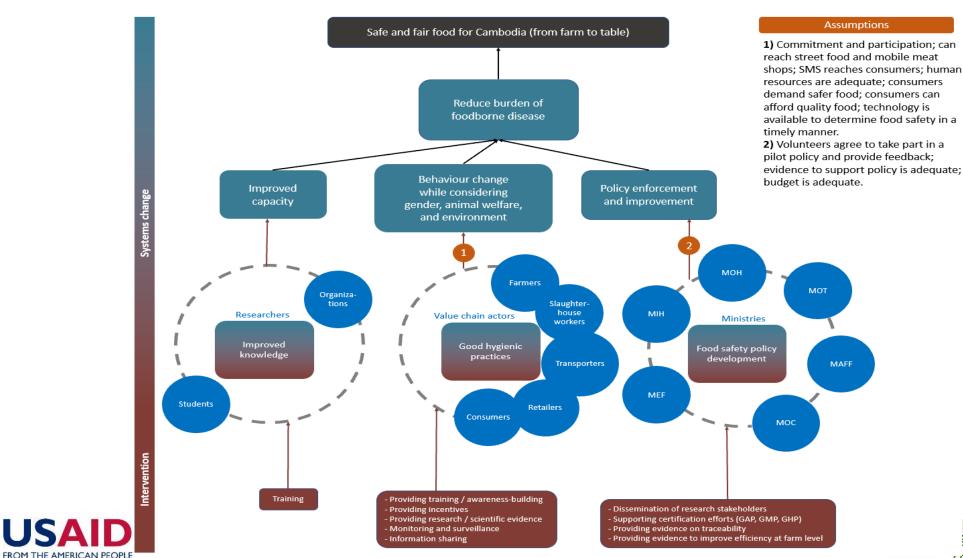






- D

THEORY OF CHANGE







RESULTS

A nationwide multi-hazard survey in markets in Cambodia found the prevalence in meat (pork and chicken) of Salmonella was 43% and of Staphylococcus was 31%.

	N.	N. positive both	Salmonella	S. aureus
Sample type	Specimen	Salmonella and S. aureus	positive	positive
Chicken	186	38 (20.4%)	84 (45.2%)	78 (41.9%)
Cuttingboard chicken	62	6 (9.7%)	26 (41.9%)	12 (19.4%)
Cuttingboard pork	62	1 (1.6%)	19 (30.6%)	7 (11.3%)
Pork	186	33 (17.7%)	85 (45.7%)	58 (31.2%)
Grand Total	496	78 (15.7%)	214 (43.1%)	155 (31.3%

The cost of illness of **foodborne diarrhea was \$63 USD per case**. The study compiled data from national and provincial hospitals and local health centers, and considered direct and indirect costs.

Cost	National Hospital (n=44)	Referral Hospital (n=60)	Region al Hosp. (n=100	Comm unity Clinic (n=62)	Overal I (n=266)
)		
Direct medical cost					
[usd]	125.77	9.42	27.85	4.19	34.38
Direct non- medical cost					
[usd]	40.64	8.36	26.33	0.30	18.58
Indirect cost					
[usd]	21.43	6.38	10.89	3.08	9.80
Total cost [usd]	185.88	24.16	65.07	7.57	62.76







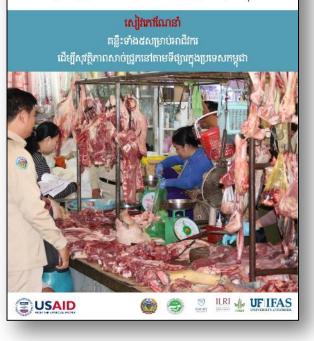
FROM EVIDENCE GENERATION TO TCM INTERVENTIONS TO IMPROVE FOOD SAFETY IN WET MARKETS

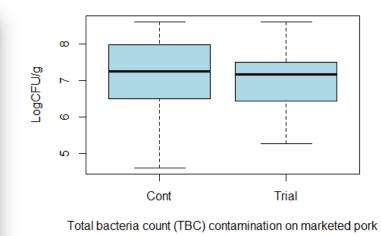
Key Content:

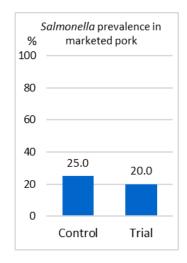
- Easy-to-clean surface
- Frequent washing (and disinfection)
- Separation (fresh/cooked)
- Training
- Hygienic cutting board
- Branding



គម្រោងសុវត្ថិភាពចំណីអាហារ ចំណីអាហារសមស្រប សម្រាប់កម្ពុជា













កម្រាលដែលពិបាកសម្អាត (ដូចជា ក្រដាសកាតុង ឬស្សី) អាចធ្វើឲ្យបាក់តេរីលូតលាស់



កម្រាលដែលងាយសម្អាត អាចត្រូវបានផលិតក្នុងស្រុក និងមានតម្លៃទាប









Key Content:

- Food safety technical working group
- From ministries, WHO, FAO
- Capacity building
- Exchange and influence







NEXT GENERATION OF FOOD SAFETY WORKERS

- I. BSc, MSc, PhD students
- 2. Government staff











KEY STAKEHOLDERS TO ENSURE GOOD IMPLEMENTATION OF MARKET INTERVENTIONS

- National GDAHP
- Provincial animal health workers
- Market managers
- Retailers











KEY MESSAGES

- I. Food safety in Cambodia: high level of microbial contamination of pork and chicken in traditional markets and of public concerns.
- 2. Theory of change development was key to identify key stakeholders to improve food safety.
- 3. Strong engagement of high level "taskforce" and other actors (provincial animal health workers, market managers, retailers) made intervention implementation successful.
- 4. Coping with pandemic and incentivizing actors are key to ensure compliance to improve food safety and hygiene in traditional markets.







Disclaimer

This work was funded in whole or part by the United States Agency for International Development (USAID) Bureau for Food Security under Agreement # AID-OAA-L-15-00003 as part of Feed the Future Innovation Lab for Livestock Systems. Any opinions, findings, conclusions, or recommendations expressed here are those of the authors alone.







FEEDIFUTURE

The U.S. Government's Global Hunger & Food Security Initiative

www.feedthefuture.gov





