# Evaluation of poultry farmers' knowledge, attitude, and practices regarding production and biosecurity in poultry farming in Bangladesh

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## **Introduction**

- Training for small- and medium-scale farmers in Bangladesh is necessary to-
  - \* boost confidence and competence
  - enable decision-making about farming
  - improve farming practices and biosecurity measures
- This study was conducted to evaluate the knowledge, attitudes, and practices of the poultry farmers before and after participating in the training

## Methodology



- Study design: Intervention study
- Training programme: 2-day training at UVHs of 12 subdistricts of Chattogram

Small- and mediumscale broiler and Sonali farmers

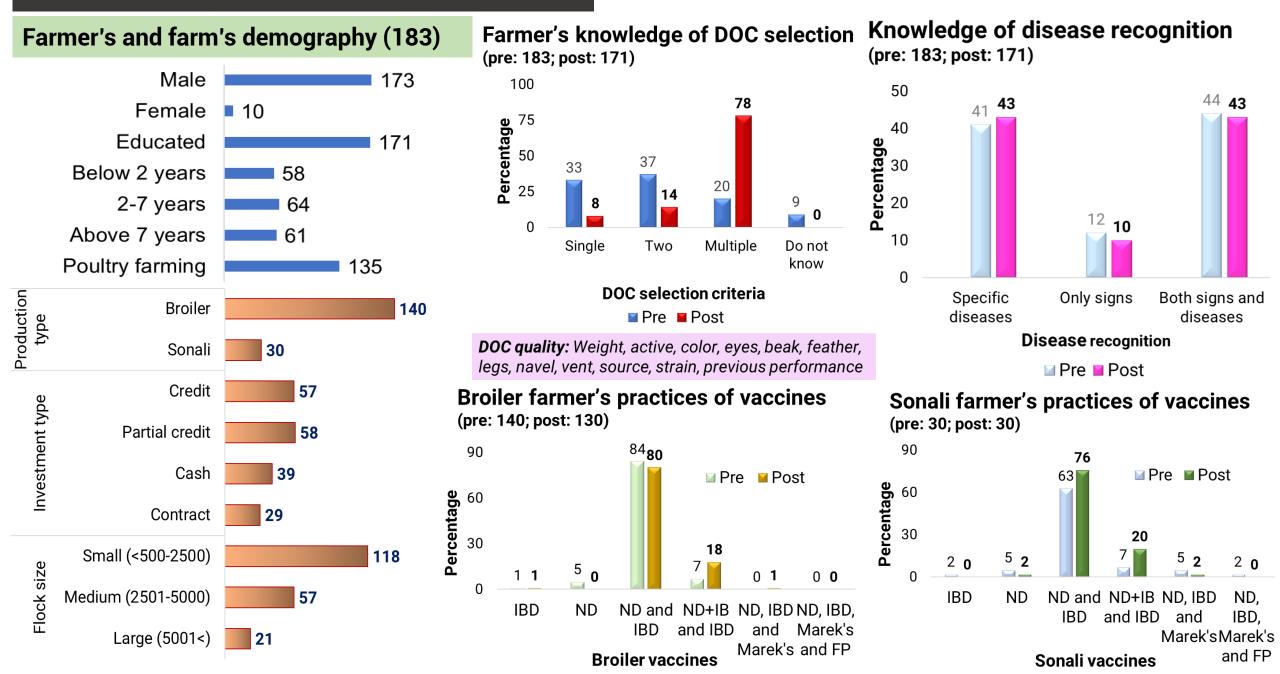
Veterinarian (Public, Private, Academia, Intern) and **Human physician**)

Interactive sessions (PPT, PBL, Poster, Video) and Farm visit Poultry farm management,
poultry disease and
prevention, vaccination,
antibiotic usage and
policies related to poultry
farming

Participating farmers: pre (183), post (171)

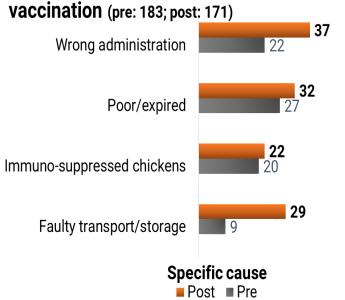
Survey questionnaire(14 questions) filled by farmers

## Results and discussions

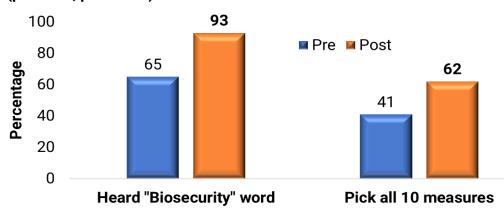


## Results and discussions (cont.)

Perception regarding disease occurrence after



## Attitudes towards farm biosecurity measures (pre: 183; post: 171)

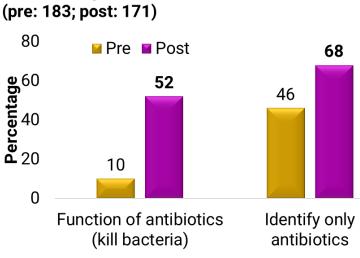


[Given biosecurity measures: Entrance restriction for visitors or outsiders, Protecting birds from thieves at night, Restriction in vehicle movement, Protecting fence surrounding the farm, Using rat traps, clean water supply, ventilation, and wastage management, Cleaning and disinfecting inside and outside of the farm regularly, Discarding dead and sick birds properly, Personal hygiene maintain to the farm labors]

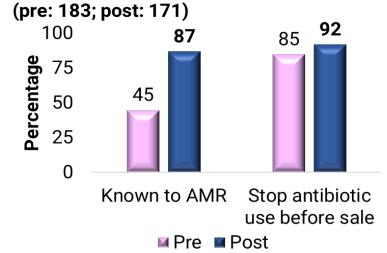
#### **Recommendations**

- It is essential to understand the participants existing knowledge to design effective training
- Assessment of knowledge and awareness after training intervention is useful to judge the effectiveness of the training

#### Knowledge of antibiotics



### **Knowledge of AMR**



#### **Acknowledgements**

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