

# One Health, multiple impacts: a review of 10 years of One Health work in Bangladesh and the region with a focus on the poultry industry in Bangladesh

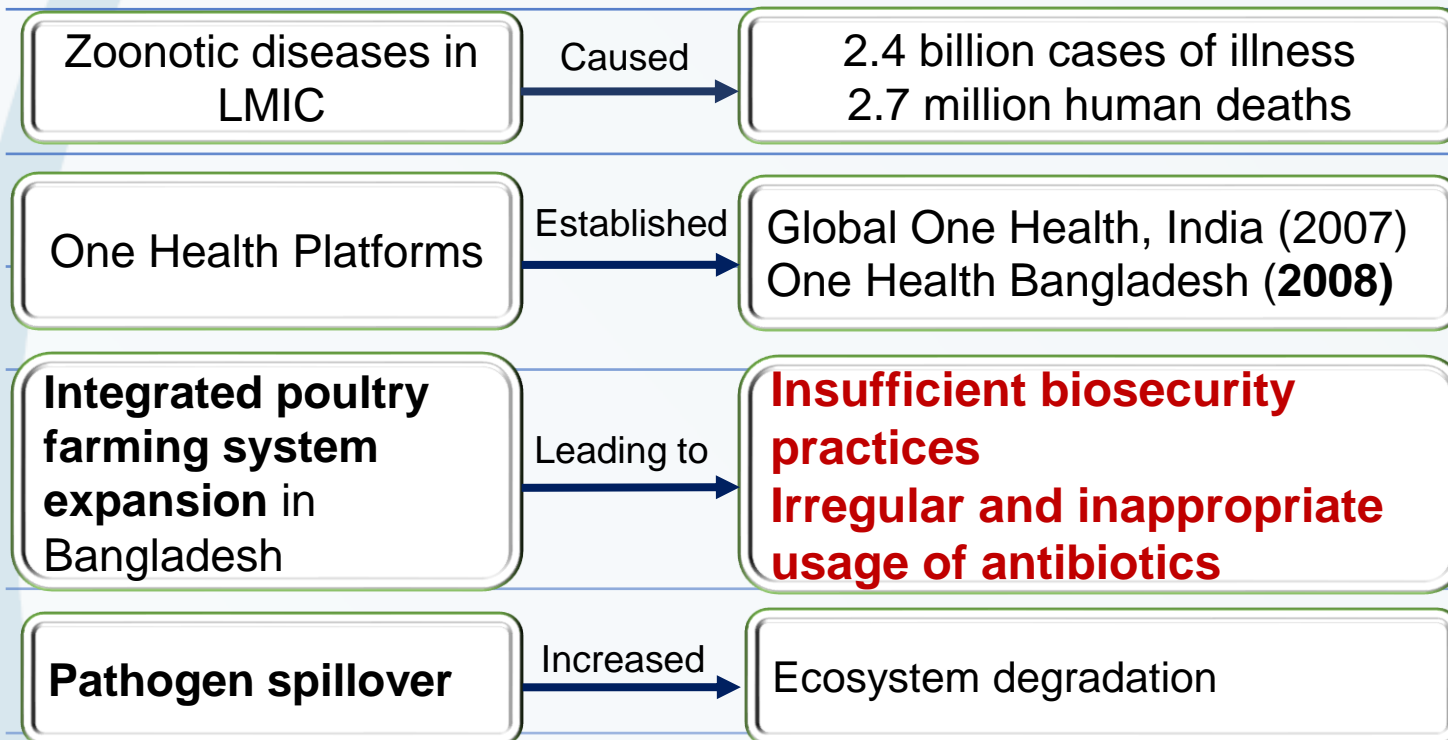


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## Introduction & background



- **Synergism** in One Health approaches is expected to expand including **new disciplines and sectors**

## Research Questions

What is the provenance of One Health and its scope in Bangladesh and selected south and south-east Asian countries?

How are One Health approaches best pursued in Bangladesh, with an emphasis on the poultry industry?

## Materials & Methods

### Scoping Literature review

- **Time:** Nov 2007-Dec 2021
- **Location:** SAARC, ASEAN, higher income countries
- **Document types:** Strategic, reports & articles
- **Source:** Database, website, personal communication

### Key informants interview

- **32** participants (**Male-25, Female-7**;  
**Human: 9, Animal: 20, Forestry: 1, Environment: 3**)
- Purposive sampling
- Used interview guide & zoom platform

Round table  
policy meeting

### Analysis

- **Thematic & framework analysis**

## Results

### T1: Existing One Health operational system

- Representation of One Health coordination committee, govt. & non govt. entity

### T2: Scope of One Health surveillance and outbreak

- Absence of evidence based data sharing platform & donor dependency

### T3: Capacity building and One Health in education

- Growing laboratory network & research collaboration
- Building trained human resources & adopting OH into curricula

### T4: One Health networking and culture

- Strong govt, non. Govt. & international collaboration
- Growing institutional collaboration
- Student One Health platform

### T5: One Health new definition

- New One Health working areas

## Discussion

**Insufficient coordination** in OH governance system

**Needful OH strategic plan** for zoonotic diseases & emerging issues

**Inadequate integration** among stakeholders & necessity for OH advocacy program

**Limited** resources & infrastructure

**Top to down** OH approach

## Conclusions

**Community level OH practice** seems insufficient

Incorporation of OH concept in **policy intervention**

**More people** are getting familiar with the OH concept

Multi-disciplinary research/training area should be more **inclusive**

Adoption of an **interconnected approach** in different nodes of poultry value chain

## Recommendations & Future Directions

Promoting **inclusivity & ownership** across the sectors

**Decentralisation** of the OH concept

Developing a **comprehensive national OH strategy and policy**

Creating **shared financial resources**

Creating **integrated monitoring facility** for poultry value chain

**In-depth investigation & building next generation OH workforce**