Characteristics of Actors Involved in the Live Poultry Trading in Bangladesh

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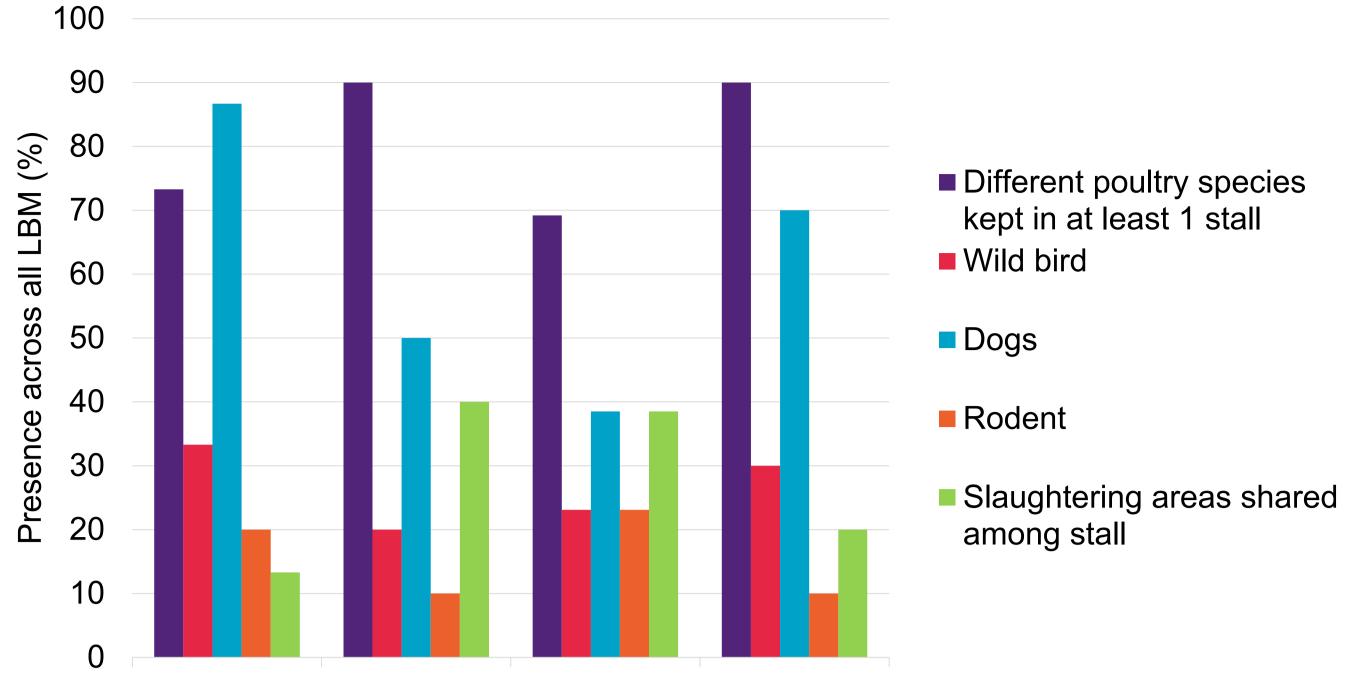
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Introduction

- Poultry meat & eggs production provide many employment opportunities for people in low and middle income countries (LMIC)
- Poultry value chains are more diverse in LMIC compared to high-income settings
- Poultry trading networks, including movement of birds between farms and markets, may play an important role in the of pathogens that enhance the disease risk for poultry and human populations



Large mixed Large retail Small mixed Small retail

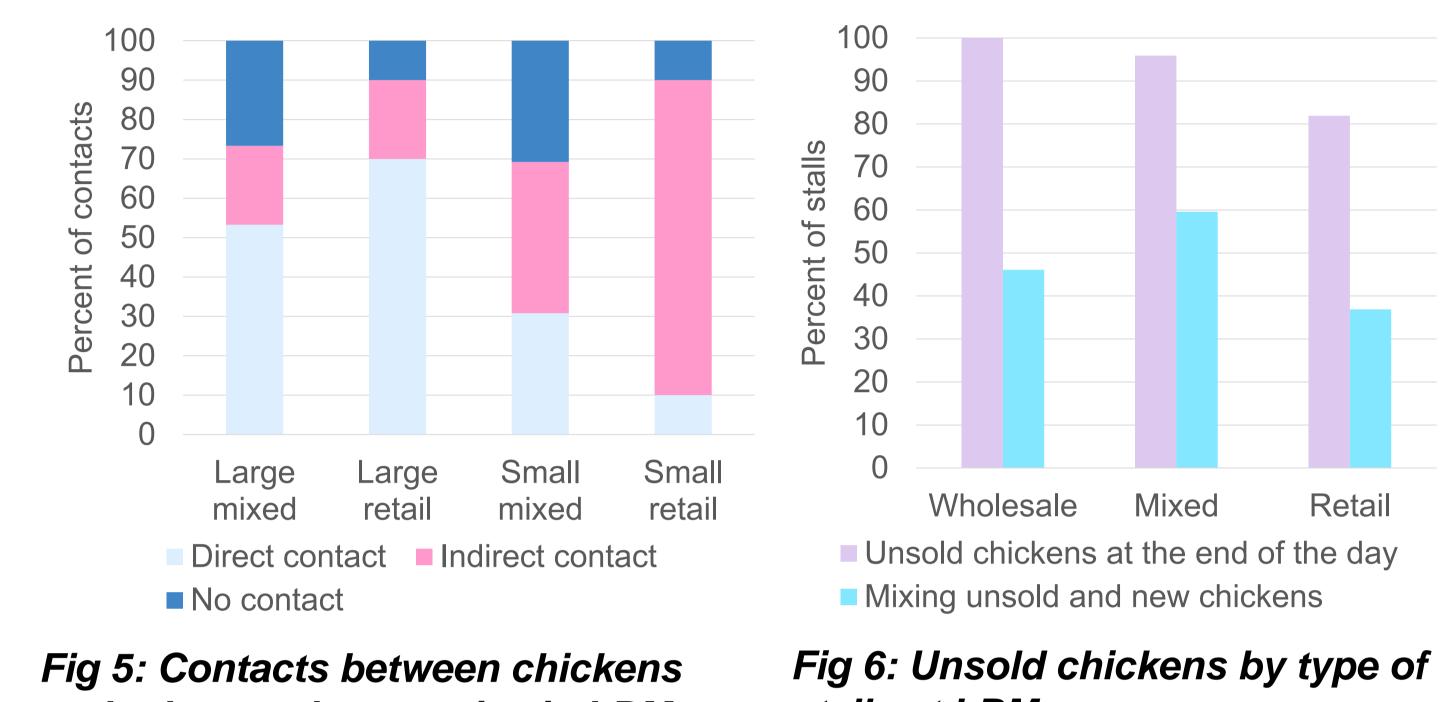
Describe the actors involved in live poultry trading in Bangladesh

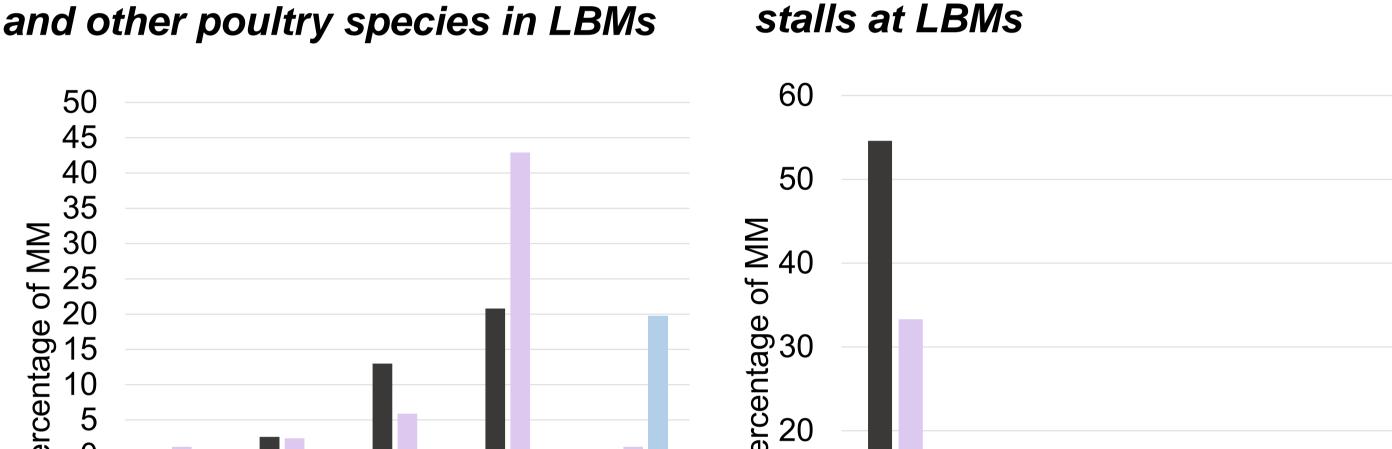
Objectives

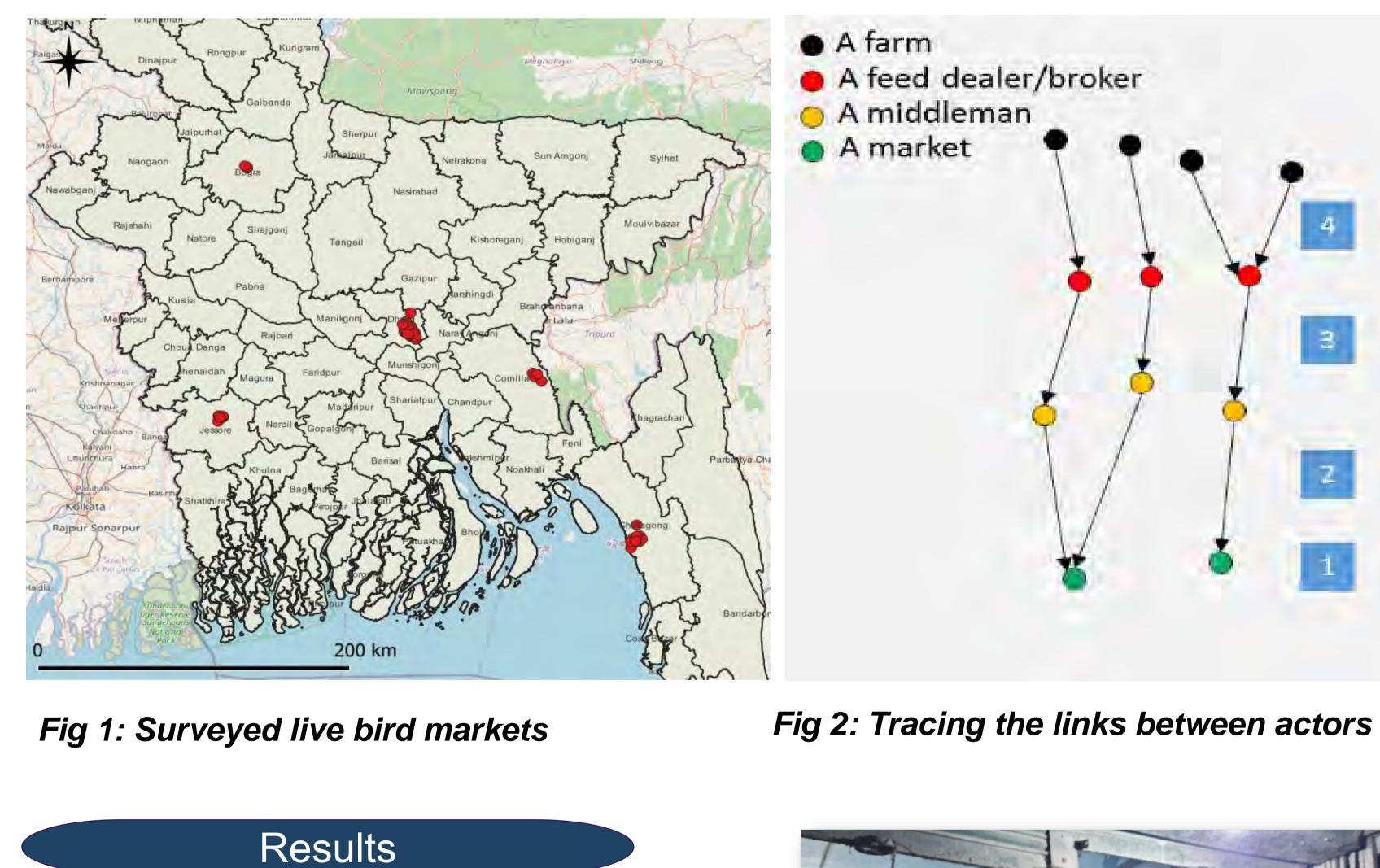
- Identify how are the actors connected in the live poultry trading chain
- Explore the differences in chicken trade and transactions among the diverse actors in the live poultry trading chain

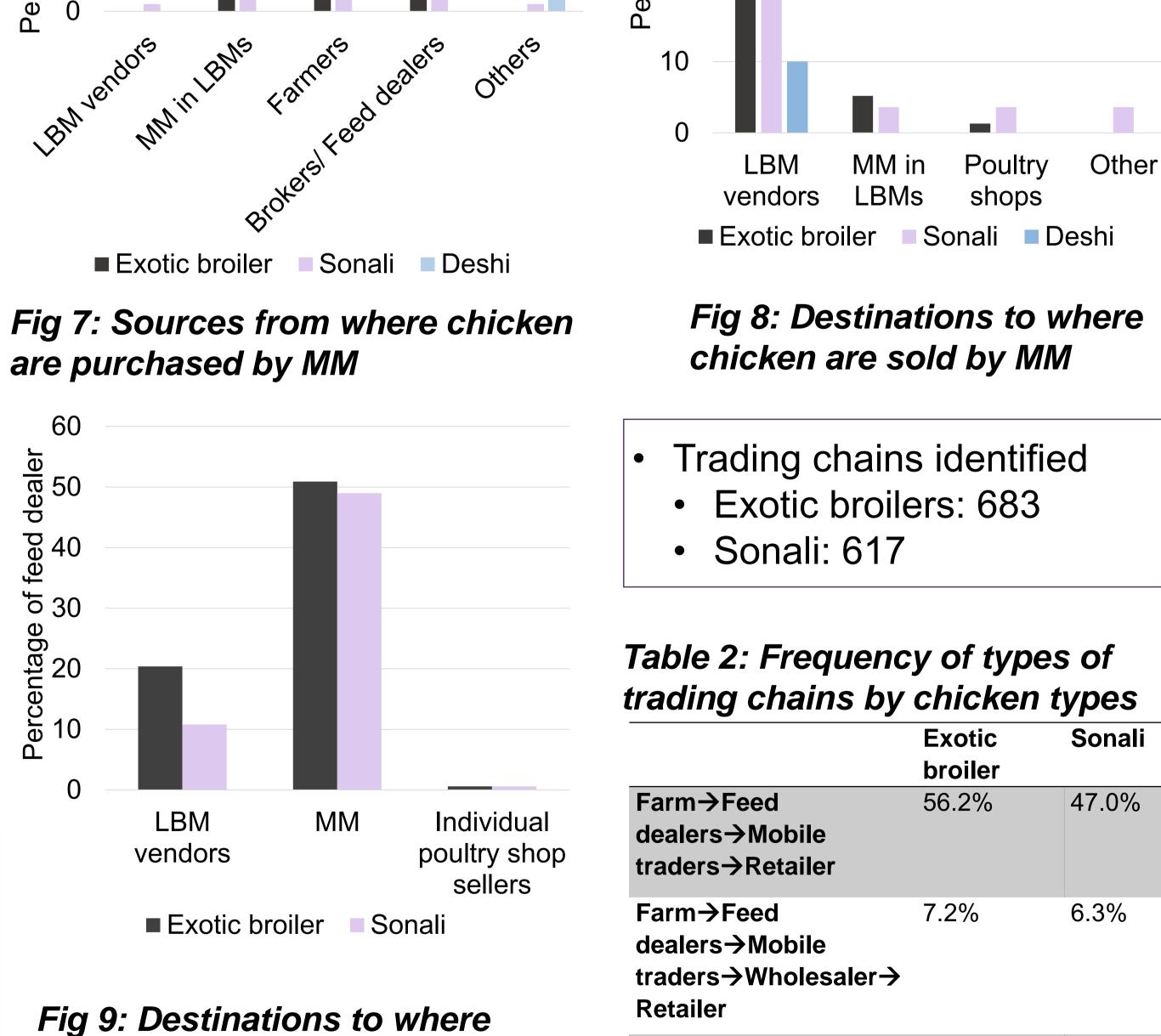
Methods

- Study Population: Live bird markets (LBMs) in 5 cities (Dhaka, Chattogram, Cumilla, Bogura, Jashore)
- Surveys of actors involved in live poultry trading chains
- LBM managers (N=48)
- Stall owners/vendors trading poultry (N=412)
- Mobile poultry traders/MM (N=172)
- Feed and chick dealers (N=157)
- Data collection: August 2020 February 2021
- Descriptive statistics and social network analysis to describe the connectivity of actors involved in the live chicken trading chain from farm locations to LBM stalls









District	Large mixed n=15	Large retail n=10	Small mixed n=13	Small retail n=10
Bogura	0	0	0	3
Chattogram	4	2	2	3
Dhaka	10	5	4	1
Cumilla	1	0	3	2
Jashore	0	3	4	1

Table 1: Type of live bird markets surveyed

Market type



Fig 3: Chickens being supplied by staff of a MM to a stall at a LBM

chicken are sold by feed dealers

7.9% **Farm**→**Feed** 0% dealers→Wholesaler→ Retailer

Implications

- Identification of poultry trading & management factors that may increase the risk of pathogen spread in poultry and human populations
- Research provided a sampling frame of MM, from which MM were selected to track their daily trading activities using a customized App

Acknowledgements











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