



Animal health expenditures and losses in poultry farms in Chattogram, Bangladesh Fatema Jannat¹, Ivo Syndicus², Mahabub Alam¹, Rashed Mahmud¹, Md Ahasanul Hoque¹, Pablo Alarcon² ¹Chattogram Veterinary and Animal Sciences University, Khulshi, Chattogram, Bangladesh ²Royal Veterinary College, London, United Kingdom





Introduction

The poultry industry is a significant contributor to Bangladesh's livestock sector, contributing **1.9%** to the country's GDP. It is a rapidly growing sector, with an annual growth rate of **20%**.

Despite its potential, Bangladesh's small-scale chicken industry is facing challenges such as unstable markets, high input costs, low product prices, disease outbreaks, and natural disasters. Bangladesh's poultry industry is expected to experience rapid growth to meet the increasing internal demand.

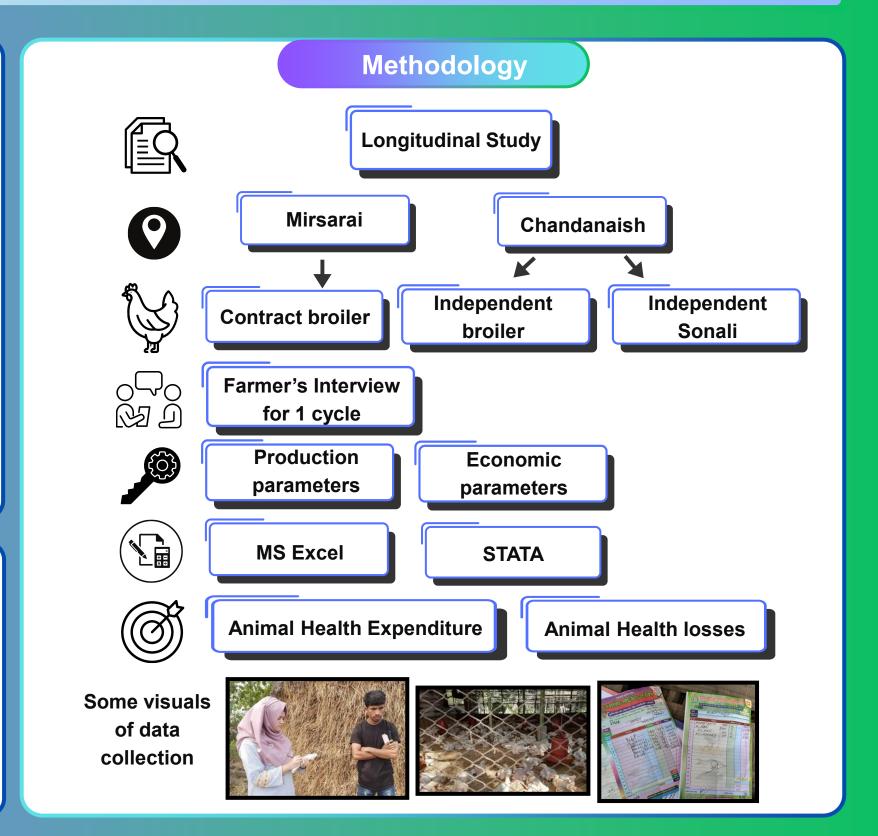


- Lack of industry data on farms' performance
- The large disease burden, which affects chicken welfare and farmers' incomes alike.

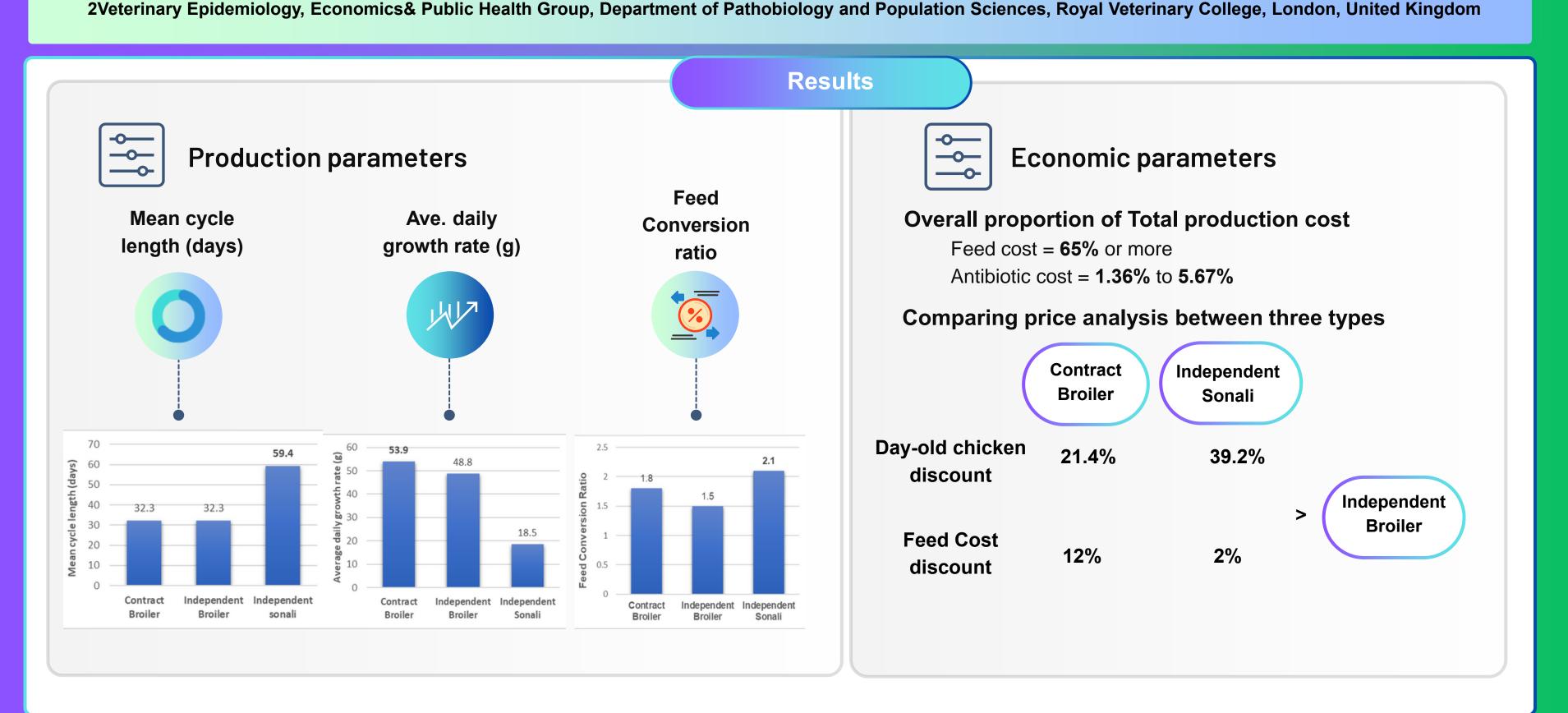
Objectives



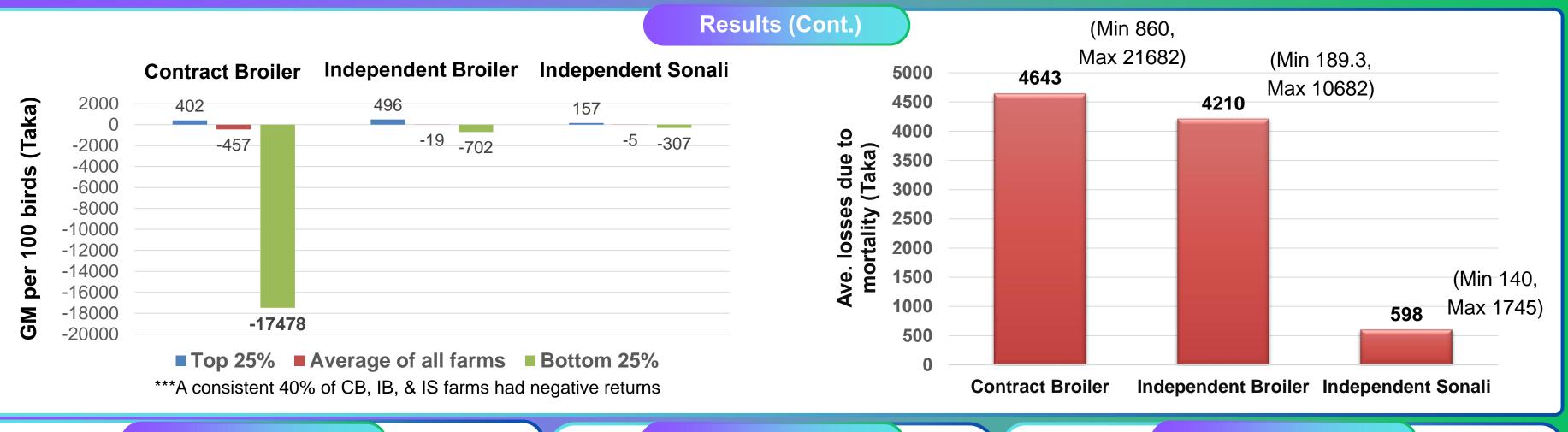
- Assess the economic performance of commercial broiler and sonali chicken farms in Bangladesh
- Quantify the animal health-related expenditures and losses (AHEL)
- Determine the **impact of these on farmers' income**



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Conclusions

FCDO priorities – Trade & economic development

The study shows the importance of Animal Health Expenditure & Losses to farmers sustainability

Output – mathematical models with inputs from multiple disciplines

The models generated can be valuable tools for assessing the benefit of interventions and for farmer training to improve animal health and incomes.

Recommendations

Promote ongoing research on the economic impact of poultry diseases and assess the effectiveness of newly developed economic model to ensure sustainability in context of Bangladesh

References

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Action

Impact