

# What drives dairy farm food safety practices in Bangladesh? Evidence from a PLS-SEM model

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# Study Overview

**Aim:** The study will explore farm-level food safety practices by examining- inspection, resources, constraints and producers' psychology.

**Result:**

- Farmers' attitudes, knowledge, and farm resources -> direct and significant impact on FS.
- In contrast, institutional inspections and constraints associated with the dairy market and cost factors exhibited minimal direct effects on FS.
- Additionally, the influence of farm resources on FS adoption was relatively limited.

**Conclusion:**

➤ Enhancing farm resources, monitoring & inspection and addressing internal and external constraints->"poor dairy market conditions" and "additional costs for FS," will improve farm safety and hygiene standards in dairy farms in Bangladesh.

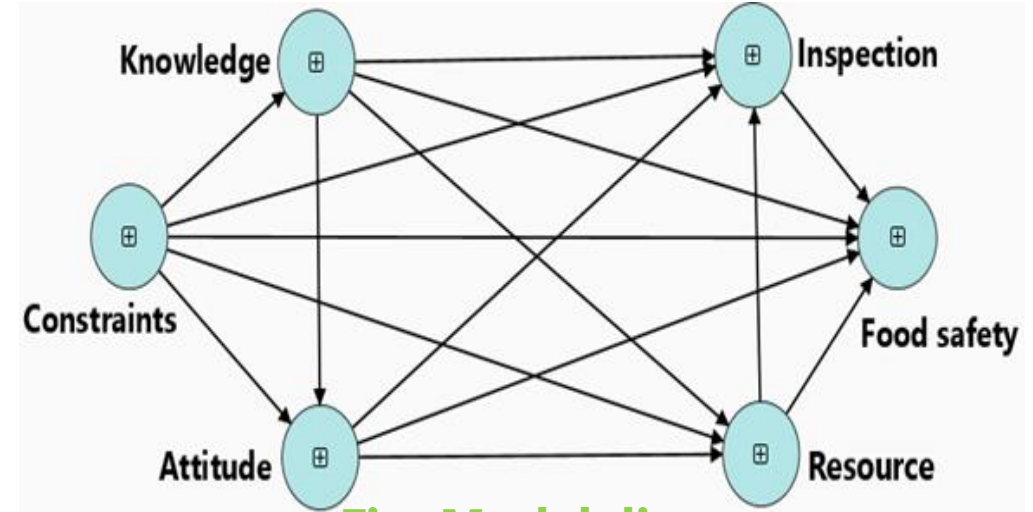


Fig: Model diagram

**Table: Results**

H	Direct effect	Total effect
<b>Knowledge</b>		
H3	Constraints -> Resource ✓	Constraints -> Resource ✓
<b>Attitude</b>		
H9	Constraints -> Attitude ✓	Constraints -> Attitude ✓
H10	Knowledge -> Attitude ✓	Knowledge -> Attitude ✓
<b>Food safety</b>		
H11	Attitude -> Food safety ✓	Attitude -> Food safety ✓
H12	Constraints -> Food safety x	Constraints -> Food safety ✓
H13	Inspection -> Food safety x	Inspection -> Food safety x
H14	Knowledge -> Food safety ✓	Knowledge -> Food safety ✓
H15	Resource -> Food safety ✓	Resource -> Food safety ✓