

Benefits and financing options supporting the adoption of East Coast Fever Vaccine in Tanzania



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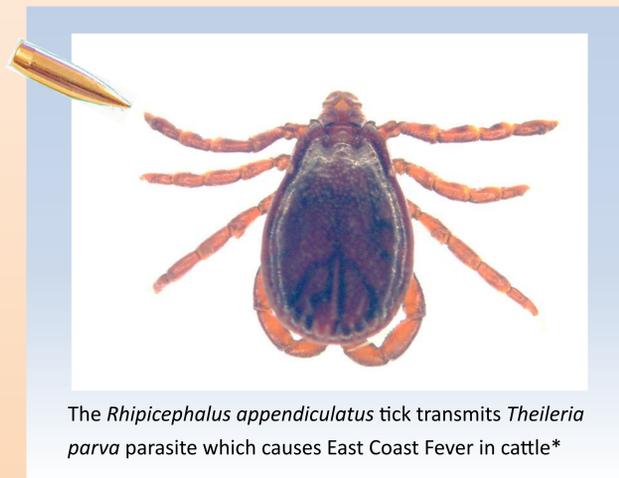
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Introduction

- ITM (Infection and Treatment Method) is a strategy to mitigate severe cattle loss caused by tick-transmitted *Theileria parva*
- Full potential of ITM not realized due to costs and complexity challenges
- Analyzing vaccine payment strategies reveals farmers' financial tactics and challenges
- Insights from ITM benefits and payment strategies drive the development of policies and programs to enhance agricultural productivity and sustainability
- Understanding farmers' perception of vaccine benefits bridges theory-practice gaps, encourages adoption, and enhances impactful agricultural strategies

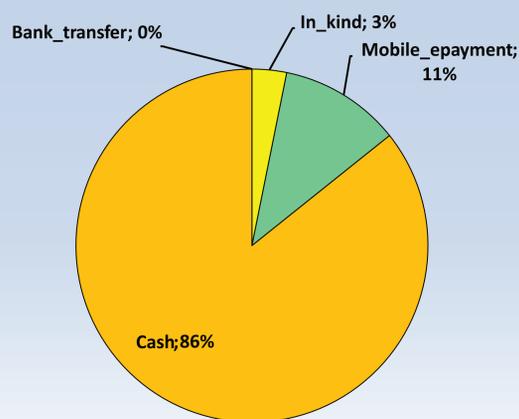


The *Rhipicephalus appendiculatus* tick transmits *Theileria parva* parasite which causes East Coast Fever in cattle*

Highlights

- Reduced calf and adult cattle mortality through ITM usage
- Cash predominates in payments for East Coast Fever vaccine
- Milk money main financial resource for ITM

Results

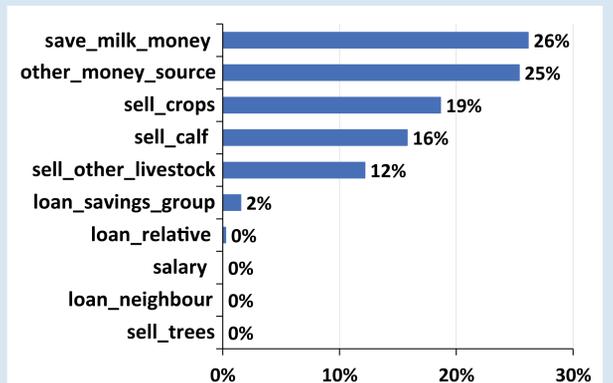
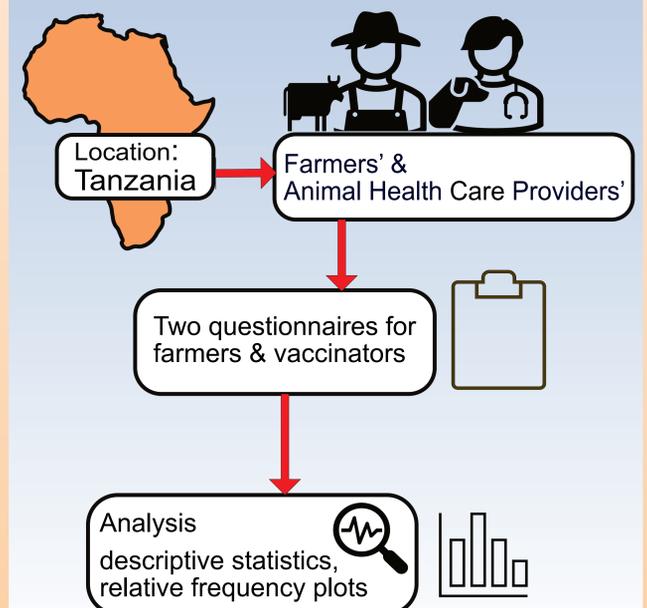


I. Share of how vaccinators are paid for ITM [N= 56 Health Care Providers]

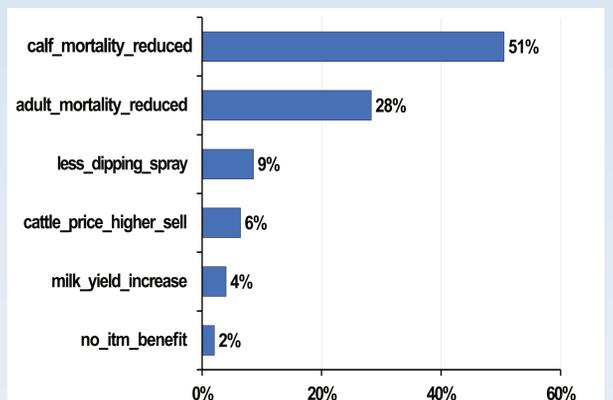
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Methods



II: Share of how farmers pay for ITM [N=560 ITM users]



III: Share of ITM benefits experienced by farmers [N=566 ITM users]

References

- *Image courtesy of ICIPE, http://www.icipe.org/sites/default/files/Rhipicephala-inside_0.jpg (retrieved 2023-08-25)
- Photo of dollar bills and syringe with bullet by Simon Minz
- Teufel N. et al. (2021) Farm and livelihood characteristics after ITM vaccination against East Coast Fever in Tanzania. *Front. Vet. Sci.* 8:639762
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