

Agro-pastoralists' willingness to pay for Contagious Caprine Pleuropneumonia vaccine in Kenya

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Presentation Outline:

Introduction

Methods

Results

Conclusion and Recommendation

Introduction

Contagious caprine pleuropneumonia (CCPP) is a highly contagious and fatal disease

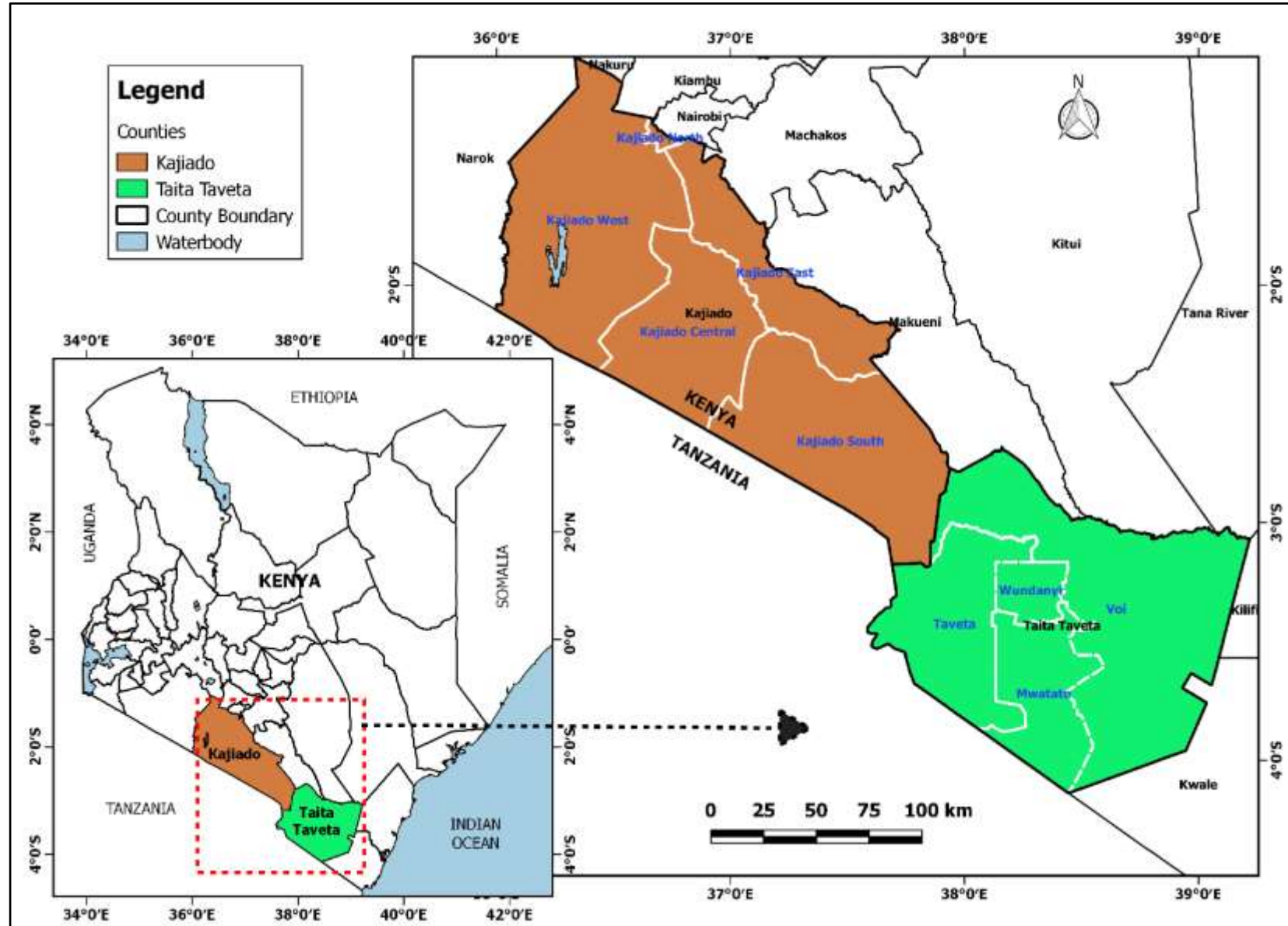
Vaccine distribution was characterized by scarcity, irregular and late administration by the authority concerned

- The distribution process faces one major challenge termed as inadequate funding by the government

Once agro pastoralists show the willingness to pay for the CCPP vaccine, the sustainability for the vaccine availability and accessibility to everyone will be assured

Methods

Study site:



Methods

Household survey:

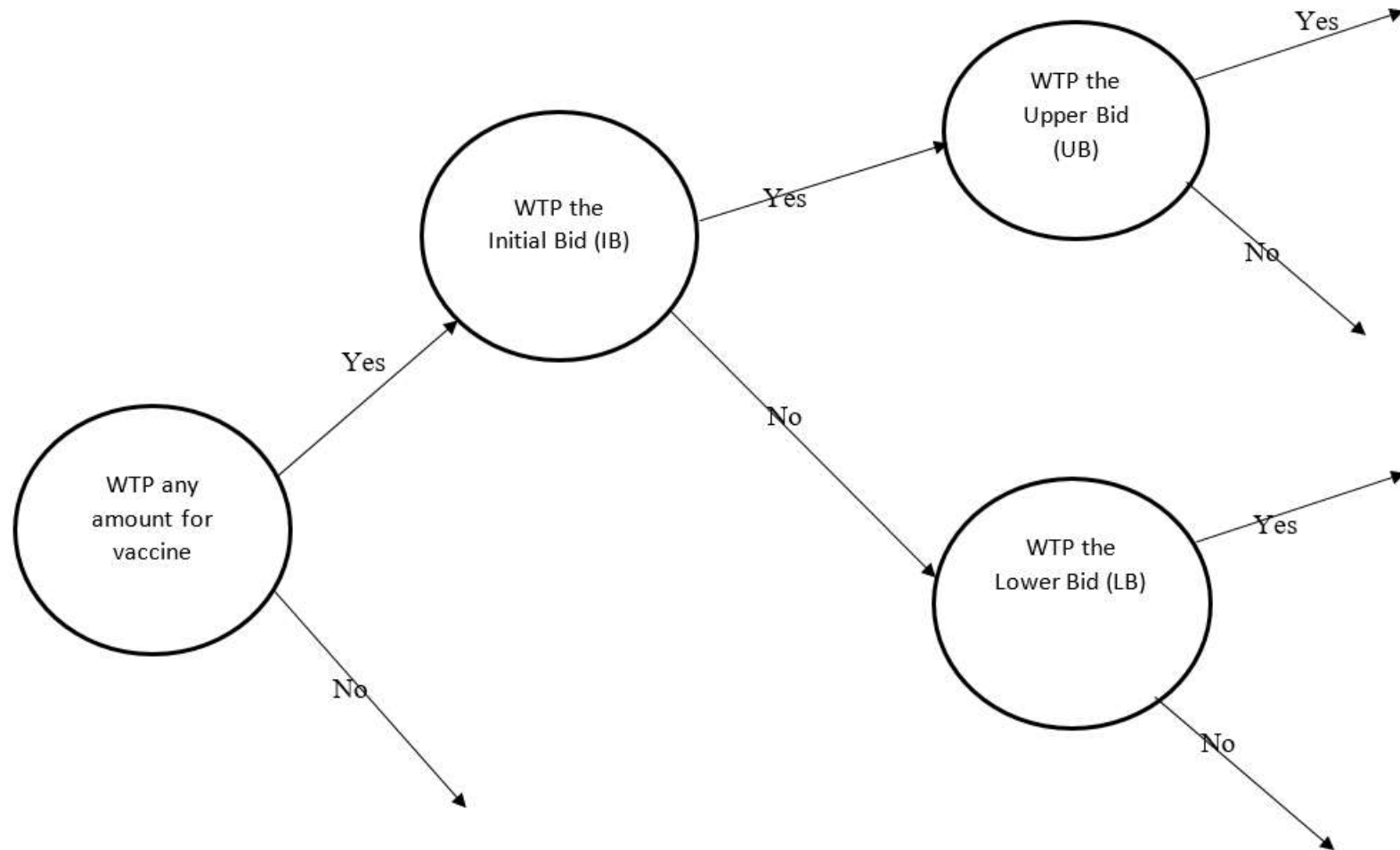
276 households were sampled and interviewed using a semi-structured questionnaire

Double bounded dichotomous choice contingent valuation model was used to elicit agro pastoralists' willingness to pay for the improved CCPP vaccine



Methods

Probability tree diagram for agro pastoralists' WTP for the improved CCPP vaccine:



RESULTS

Factors positively influenced households' willingness to pay for the improved CCPP vaccine:

- Off-farm income
- Membership to a group
- Previous experience on CCPP attack on goats
- Access to extension services

RESULTS

Probabilities of farmers' willingness to pay different amounts for the CCPP vaccine:

		<u>Taita-Taveta</u> County				<u>Kajiado</u> County				Overall			
		Non-adopters		Adopters		Non-adopters		Adopters		Non-adopters		Adopters	
		N	%	N	%	N	%	N	%	N	%	N	%
Willing to pay some amount?	No	8	6	2	5	9	13	21	21	17	8	23	17
	Yes	128	94	37	95	60	87	77	79	188	92	114	83
Willing to pay KES. 35 (IB)	No	28	22	16	43	34	57	51	66	62	33	67	59
	Yes	100	78	21	57	26	43	26	34	126	67	47	41
Willing to pay KES. 40 (UB)	No	21	21	4	19	18	69	13	50	39	31	17	36
	Yes	79	79	17	81	8	31	13	50	87	69	30	64
Willing to pay KES. 30 (LB)	No	6	21	4	25	19	56	27	53	25	40	31	46
	Yes	22	79	12	75	15	44	24	47	37	60	36	54

Conclusion and Recommendation

Agro pastoralists were willing to pay high value for the CCPP vaccine in Kajiado and Taita Taveta counties

County governments and the national government should take advantage of these positive characteristics and encourage agro pastoralists to form groups where members can be accessed easily

Policies should be formulated to promote other income generating activities in these regions

Acknowledgement





Thank You!