

Supplementary Table S2: Frequency of variables in relation to willingness to pay for FMD vaccination at two price points (UGX 3,800 and UGX 7,600).

Title:

Willingness to Vaccinate and Pay for Foot-and-Mouth Disease Vaccines: Perspectives of Cattle Farmers and Policy Implications in Uganda

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Authors

Benedicto Byamukama¹, Asfor Amin^{1,3}, Frank Nobert Mwiine² and Abel Bulamu Ekiri^{1*}

Affiliations

¹ Department of Comparative Biomedical Sciences, School of Veterinary Medicine, Faculty of Health and Medical Sciences, University of Surrey, Guildford, GU2 7AL, United Kingdom.

² School of Biosecurity, Biotechnical and Laboratory Sciences, College of Veterinary Medicine Animal Resources and Biosecurity, Makerere University, Uganda.

³ School Department of Virology, Animal and Plant Agency, Woodham Lane, New Haw, Addlestone, KT15 3NB, Surrey, UK.

* Correspondence: Abel Ekiri, Email: ab.ekiri@surrey.ac.uk.

Supplementary Table S2. Frequency of variables in relation to willingness to pay for FMD vaccination at two price points (UGX 3,800 and UGX 7,600).

Variable	Category	Willing to pay at UGX 7600			Willing to pay at UGX 3800		
		No	Yes	Total	No	Yes	Total
District	Kasese	2	27	29	1	1	2
	Kiboga	34	9	43	2	32	34
	Kiruhura	29	2	31	11	17	28
	Nakasongola	18	11	29	4	14	18
	Ntoroko	25	6	31	5	20	25
How many years you have spent on livestock farming?	>10-15 years	8	3	11	1	7	8
	>15-20 years	19	10	29	6	13	19
	>20 years	66	33	99	10	55	65
	>5-10 years	15	9	24	6	9	15
Gender	Female	11	6	17	1	10	11
	Male	97	49	146	22	74	96
What is your level of education?	No education	11	8	19	1	10	11
	Primary education	55	21	76	16	38	54
	Secondary education	25	14	39	4	21	25
	Tertiary education (diploma)	10	2	12	1	9	10
	University education	7	9	16	1	6	7
What is your main source of income as a household?	Fishing	0	2	2	0	0	0
	Livestock farming	105	51	156	22	82	104
	Work with government	1	1	2	0	1	1
	Work with private company or organization	1	1	2	0	1	1
What percentage of income contribution is from livestock?	Less than 25%	15	1	16	4	11	15
	25%	7	8	15	1	6	7
	50%	16	17	33	0	16	16

	75%	49	22	71	12	36	48
	100%	21	6	27	6	15	21
	Cattle	17	9	26	6	10	16
	Cattle, goats	55	29	84	12	43	55
	Cattle, goats, pigs	1	2	3	0	1	1
What type of livestock species do you own?	Cattle, pigs	0	1	1			
	Cattle, sheep	2	0	2	0	2	2
	Cattle, sheep, goats	32	13	45	5	27	32
	Cattle, sheep, goats, pigs	1	1	2	0	1	1
	Agro-pastoral system	3	1	4	0	3	3
	Free-range	49	25	74	11	37	48
	Paddock	34	12	46	9	25	34
	Paddock, free-range	7	4	11	2	5	7
	Paddock, zero-grazing	0	2	2	0	0	0
What cattle production system do you use?	Pastoral system	12	1	13	0	12	12
	Pastoral system, free-range	0	1	1	0	0	0
	Ranching	3	4	7	1	2	3
	Zero grazing	0	2	2	0	0	0
	Zero grazing, free-range	0	3	3	0	0	0
	Small (1-30)	22	27	49	2	20	22
Herd size characteristics (n=165)	Medium (31-70)	34	8	42	11	23	34
	Large (>70)	52	20	72	10	41	51
Do you know that there is a vaccine against FMD?	No	4	0	4	0	4	4
	Yes	104	55	159	23	80	103
Has FMD ever occurred at your farm?	No	50	20	70	11	39	50
	Yes	58	35	93	12	45	57
How long did FMD restriction duration last?	1-3 months	12	17	29	3	9	12

Have your animals been previously vaccinated against FMD?	4-6 months	15	6	21	1	14	15
	Less than 1 month	6	2	8	4	2	6
	More than 6 months	54	16	70	8	46	54
	No	3	4	7	0	3	3
	Yes	104	51	155	23	80	103
	Every 6 months	55	14	69	13	41	54
	Once a year	20	32	52	3	17	20
How many times have you vaccinated against FMD at your farm?	Once every two years	14	1	15	1	13	14
	Only during FMD outbreaks	16	3	19	6	10	16
	Only when FMD vaccine is available	1	4	5	0	1	1
	Access to the vaccine	3	2	5	0	3	3
	Availability of the vaccine	34	25	59	3	31	34
What influences your decision to vaccinate your livestock?	FMD outbreaks in areas neighbouring farm/household	67	23	90	20	46	66
	Restrictions to movement of animals	4	3	7	0	4	4
	Cattle	26	12	38	8	17	25
	Cattle, goats	41	26	67	6	35	41
Which livestock species are you willing to vaccinate?	Cattle, goats, pigs	1	1	2	0	1	1
	Cattle, goats, sheep	38	13	51	9	29	38
	Cattle, goats, sheep, pigs	1	1	2	0	1	1
	Cattle, pigs	0	1	1	0	0	0
	Cattle, sheep	1	0	1	0	1	1
	Goats	0	1	1	0	0	0

What is the risk of FMD occurring at your farm?	High	44	15	59	10	33	43
	Low	14	10	24	5	9	14
	Moderate	49	29	78	8	41	49
What is the risk of FMD occurring at neighbours' farms?	High	10	33	43	56	20	76
	Low	5	9	14	5	10	15
	Moderate	8	41	49	46	24	70
What impact do you think FMD has on milk production?	High	53	29	82	14	38	52
	Low	11	9	20	2	9	11
	Moderate	40	17	57	7	33	40
What impact do you think FMD has on livestock related deaths?	High	16	20	36	5	11	16
	Low	43	16	59	9	34	43
	Moderate	44	18	62	9	34	43
		103	54	157	23	79	102
What impact do you think FMD has on livestock weight loss?	High	32	30	62	4	28	32
	Low	15	6	21	6	9	15
	Moderate	57	19	76	13	43	56
What level of impact do you think is associated with FMD treatment cost?	High	83	37	120	19	63	82
	Low	0	4	4	0	0	0
	Moderate	20	12	32	4	16	20
Do you believe FMD vaccines are useful against FMD?	Agree	55	19	74	8	47	55
	Disagree	4	0	4	0	4	4
	Neutral	13	2	15	3	10	13
Do you believe vaccination can protect your herd?	Strongly agree	30	32	62	11	18	29
	Strongly disagree	4	2	6	1	3	4
	Agree	56	15	71	11	45	56
	Disagree	4	1	5	0	4	4
	Neutral	16	6	22	2	14	16

	Strongly agree	28	33	61	10	17	27
	Strongly disagree	2	0	2	0	2	2
Do you receive FMD vaccine information?	No	2	0	2	2	0	2
	Yes	105	55	160	21	83	104
	Do not know	42	7	49	7	35	42
Do you believe FMD vaccine protection last 6 months?	No	30	5	35	8	22	30
	Yes	35	42	77	8	26	34
	Always	20	20	40	4	16	20
Do you use vet services at your farm?	Never	1	0	1	1	0	1
	Sometimes	85	34	119	18	66	84
