Supplementary Table S3: Univariable logistic regression analysis of factors associated with willingness to pay for FMD vaccination at UGX 7,600.

Journal Name

Veterinary Research Communications

Authors

Benedicto Byamukama[1], Asfor Amin[1,3], Frank Nobert Mwiine[2] 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 S3. Univariable logistic regression analysis of factors associated with willingness to pay for FMD vaccination at UGX 7,600.

Variable	Category	Willing to pay at UGX 7600			
		No	Yes	Crude OR (95% CI)	*p*-value
District	Ntoroko	25	6	Reference	
	Kasese	2	27	56.25 (10.377–304.919)	<0.001
	Kiboga	34	9	1.103 (3.348–3.500)	0.868
	Kiruhura	29	2	0.287 (0.053–1.553)	0.147
	Nakasongola	18	11	2.546 (0.974–8.161)	0.116
Farming experience	5–10 years	8	3	Reference	
	>10–15 years	19	10	0.625 (0.303–6.495)	0.556
	>15–20 years	66	33	0.877 (0.284–2.706)	0.82
	>20 years	15	9	0.833 (0.330–2.104)	0.7
Gender	Male	97	49	Reference	
	Female	11	6	1.080 (0.377–3.093)	0.886
Education level	University	7	9	Reference	
	No formal education	11	8	0.566 (0.148–2.168)	0.406
	Primary	55	21	0.297 (0.098–0.900)	0.032
	Secondary	25	14	0.436 (0.133–1.424)	0.169
	Tertiary	10	2	0.156 (0.025–0.952)	0.044
FMD affected your farm	Yes	58	35	Reference	
	No	50	20	0.663 (0.340–1.292)	0.227
Duration of movement restrictions	>6 months	54	16	Reference	
	1–3 months	12	17	4.781 (1.894–12.069)	0.001
	4–6 months	15	6	1.350 (0.450–4.051)	0.592

	<1 month	6	2	1.125 (0.207–6.126)	0.892
Previously vaccinated against FMD	Yes	104	51	Reference	
	No	3	4	2.719 (0.586–12.607)	0.201
Frequency of FMD vaccination	Only when government provides vaccine	1	4	Reference	
	Every 6 months	55	14	0.064 (0.007–0.615)	0.017
	Once a year	20	32	0.400 (0.042–3.839)	0.427
	Once every two years	14	1	0.018 (0.001–0.354)	0.008
	Only during outbreaks	16	3	0.047 (0.004–0.579)	0.017
Main influence for vaccination	Restriction measures	4	3	Reference	
	Access to vaccine	3	2	0.889 (0.086–9.162)	0.921
	Availability of vaccine	34	25	0.980 (0.201–4.776)	0.98
	FMD outbreaks	67	23	0.458 (0.095–2.200)	0.329
Perceived FMD risk at own farm	Moderate	49	29	Reference	
	High	44	15	0.576 (0.274–1.213)	0.146
	Low	14	10	1.207 (0.475–3.066)	0.693
Perceived FMD risk at neighbouring farms	Moderate	8	41	Reference	
	High	10	33	0.685 (0.337–1.392)	0.295
	Low	5	9	3.833 (1.176–12.494)	0.026
Perceived impact of FMD on milk production	Moderate	40	17	Reference	
	High	53	29	1.287 (0.623–2.661)	0.495
	Low	11	9	1.925 (0.675–5.490)	0.221
Perceived impact of FMD-related deaths	Moderate	44	18	Reference	
	High	16	20	3.056 (1.298–7.193)	0.011
	Low	43	16	0.910 (0.411–2.012)	0.815
Perceived impact of FMD-related weight loss	Moderate	57	19	Reference	
	High	32	30	2.812 (1.370–5.775)	0.005
	Low	15	6	1.200 (0.408–3.533)	0.741
Belief that vaccine protection lasts 6 months	No	30	5	Reference	

	Yes	35	42	7.200 (2.525–20.527)	<0.001
	Don’t know	42	7	1.000 (0.290–3.454)	1.000