Assessing the knowledge, attitudes, practices, capacities and incentives of value chain actors on biosecurity for the control of African swine fever (ASF) in Uganda (Butcher's toolkit)

This questionnaire is intended for butchers. Once identified, ask for the relevant person, introduce yourself and the project. The introduction will be as indicated below.

IN	TRC	IJ	JCI	HO	N

I am [\_\_\_\_] and we are conducting research African swine fever (ASF) disease and the methods farmers and other value chain actors use to prevent or control them. The information you give will be used to improve the control of ASF in Uganda. We are therefore requesting you to give us your attention to go through the questionnaire.

#### **Enumerator**

When filling the questionnaire, check a choice using an 'X', ex.  $\boxtimes$ . If you make a mistake, do not try to erase or blot out the box that you have already checked; instead, check the box for the correct answer and circle that box to indicate it is the final correct answer, ex.

### **SECTIONA: BACKGROUND INFORMATION**

1. Questionnaire ID		
2. Date of Survey (DD/MM/YYYY)		
3. Enumerator Name		
4. Time interview started (HH:MM)		
5. Time interview ended (HH:MM)		
6. Name of the respondent		
7. Telephone number		
8. Sex of the respondent	□1=Male, □2=Female	
9. Age of the respondent (years)		
10. Marital status of respondent	☐1 Married (monogamous) ☐2 Married (polygamous) ☐3 Widow/Widower ☐6 Oth	☐5 Single / unmarried
11. Name of district	□1 Masaka □2 Lira	ici specii,
12. Sub-county you are stationed		
13. Parish you are stationed		
14. Village you are stationed		
15. GPS Coordinates	Latitude (N/S):	Longitude (E/W):
16. How long have you been in our business?	years	
17. From whom do you commonly prefer buying pigs	☐ 1=Men, ☐ 2=Women	
18. Give reasons for the preference	a=	
(Q17) above?	b=	
	C=	
19. Which sex is more represented in thi	s business according to you, ar	nd why? $\square$ 1=Men, $\square$ 2=Women
a		
b		
<u>C</u>		
20. Do you belong to a group/cooperative	∕e? ⊔1Yes, ∐2No	

21.	If yes, has your involvement in the group		
a)	helped you increase your knowledge of ASF?	☐ 1 Yes	□ 2 No
b)	helped you change your attitude towards ASF?	☐ 1 Yes	□ 2 No
c)	helped you shape your ASF control practices?	□ 1 Yes	□ 2 No
d)	helped you obtain information about ASF from group members?	☐ 1 Yes	□ 2 No
e)	helped you obtain financial support to control ASF in the group?	☐ 1 Yes	□ 2 No

## **SECTION B: AFRICAN SWINE FEVER DISEASE AND BIOSECURITY**

# **B.1.** Knowledge of ASF (clinical signs and transmission)

22. Have you ever heard about ASF?
a   1 right   2 wrong   b   1 right   2 wrong   c   1 right   2 wrong   24. Through which channels ASF can be carried from farm to farm? (maximum of 3 channels)   2 wrong   b   1 right   2 wrong   b   1 right   2 wrong   c   1 right   2 wrong   25. How is ASF transmitted from pig to pig? (maximum of 3 routes of transmission)   2 wrong   b   1 right   2 wrong   c   1 right   2 wrong   c   1 right   2 wrong   26. List actions that can stop the spread of the disease in your area (maximum 3 actions)   2 wrong   b   1 right   2 wrong   c   1 right   2 wrong   b   1 right   2 wrong   c   1 right   2 wrong   b   1 right   2 wrong   c   1 right   2 wrong   d   1 right   2 wrong   e   1 right   2
b
c
24. Through which channels ASF can be carried from farm to farm? (maximum of 3 channels)  a
a
b
25. How is ASF transmitted from pig to pig? (maximum of 3 routes of transmission)  a
25. How is ASF transmitted from pig to pig? (maximum of 3 routes of transmission)  a
a □1 right □ 2wrong   b □1 right □ 2wrong   c □1 right □ 2wrong   26. List actions that can stop the spread of the disease in your area (maximum 3 actions) □1 right □ 2wrong   b □1 right □ 2wrong   c □1 right □ 2wrong   c □1 right □ 2wrong   C □1 right □ 2wrong   Wheither agree □ Strongly □ Neither agree □ Strongly
b
C
26. List actions that can stop the spread of the disease in your area (maximum 3 actions)  a
a
b
Knowledge  27. Butchers can spread the disease
Knowledge  27. Butchers can spread the disease □ Strongly □ □ Neither agree □ □ Strongly
27. Butchers can spread the disease ☐ Strongly ☐ ☐ Neither agree ☐ ☐ Strongly
27. Butchers can spread the disease ☐ Strongly ☐ ☐ Neither agree ☐ ☐ Strongly
27. Butchers can spread the disease ☐ Strongly ☐ ☐ Neither agree ☐ ☐ Strongly
handland of the large 1   Agree 2   por disagree 3   Disagree 4   disagree 5
when they sell pork of sick pigs   agree 1   Agree 2   nor disagree 3   Disagree 4   disagree 5
28. Pig blood and other fluids cannot
transmit the disease to other pigs   agree 1   Agree 2   nor disagree 3   Disagree 4   disagree 5
29. Butchers cannot spread the disease
through any of their activity   agree 1   Agree 2   nor disagree 3   Disagree 4   disagree 5
30. When I give pig offal's to dogs, they □ Strongly □ □ Neither agree □ □ Strongly
spread the disease agree 1 Agree 2 nor disagree 3 Disagree 4 disagree 5
31. When I burry deeply the offal's after ☐ Strongly ☐ ☐ Neither agree ☐ ☐ Strongly
the slaughtering, the disease will agree 1 Agree 2 nor disagree 3 Disagree 4 disagree 5
spread
Attitudes
32. It is not butchers problem if there is
an outbreak because they don't face   agree 1   2   nor disagree 3   4   disagree 5
loses in their business
33. Butchers will gain more profit during ☐ Strongly ☐ Agree ☐ Neither agree ☐ Disagree ☐ Strongly
disease outbreaks agree 1 2 nor disagree 3 4 disagree 5

34. There is no link between slaughte	ring	☐ Stro	ngly	☐ Agre	ee	☐ Neither agree		Disagree	☐ Strongly
and disease outbreak occurrence		agree 1		2		nor disagree 3	4		disagree 5
35. Butchers still slaughter pigs when		☐ Stro	ngly	☐ Agre	ee	☐ Neither agree		Disagree	☐ Strongly
they hear about ASF outbreak in		agree 1		2		nor disagree 3	4		disagree 5
their area									
36. Pork from sick pigs in cheaper		☐ Stro	ngly	☐ Agre	ee	☐ Neither agree		<b>D</b> isagree	☐ Strongly
		agree 1		2		nor disagree 3	4		disagree 5
Practices									
37. Butchers buy pork in diseased are	a	☐ Stro	ngly	☐ Agre	ee	☐ Neither agree		]	☐ Strongly
during disease outbreak season		agree 1		2		nor disagree 3	D	isagree 4	disagree 5
S S									
38. How do you handle sick pigs when you buy them?									
☐1 Slaughter the same day ☐2 Tak	-	· <del>-</del>		vners 🗆	<b>1</b> 3 S	ell to other but	cher	s □4 Is	olate and
treat 🗆 5 Other									
39. How do you keep leftover meat you did not sell the same day?									
☐ 1 keep for selling the following day				me at h	,		o ne	eighbours	□ 4 other
(specify)									
	Yes [	☐ 2 No							
41. If yes to Q40, list the disinfectants									
,	,,	u.u u							
42. I clean my tools (ex.		Always		Often		About half the		Seldom 4	☐ Never
knife/machete) when I am	1	,	2		time				5
slaughtering a new pig									
	from	.? ∏ 1 c	comr	nunal s	laue	hter place □ 2	bacl	kvard [	13 in the
43. Where do you slaughter your pigs from? ☐ 1 communal slaughter place ☐ 2 backyard ☐ 3 in the									
bush near the butchery									
							Km)		
44. Estimate the distance from your ι	ısual	slaughte					Km)		
44. Estimate the distance from your u	ısual : hter v	slaughte vaste?	er pc	oint to y	our/	selling point? (		specify)	
44. Estimate the distance from your u 45. How do you dispose off the slaug ☐ 1 Burry ☐ 2 Feed to live pigs ☐	usual : hter v 3 Fee	slaughte vaste? ed to do	er po	oint to y	our ave	selling point? (	er (s	specify) _	□ Never
44. Estimate the distance from your u	usual : hter v 3 Fee	slaughte vaste?	er po	oint to y	our ave	selling point? (	er (s		□ Never
44. Estimate the distance from your u 45. How do you dispose off the slaug ☐ 1 Burry ☐ 2 Feed to live pigs ☐	usual : hter v 3 Fee uying	slaughte vaste? ed to do	er po ogs [ ways	oint to y  ☐ 4 Lea 1 ☐	our ave	on site	ier (s	Seldom 4	4 5
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disinfect their working tools	agree 1		nor disagree 3	Disagree 4	disagree 5
57. Butchers do not have enough labour for their work	☐ Strongly agree 1	☐ Agree 2	☐ Neither agree nor disagree 3	Disagree 4	☐ Strongly disagree 5
labour for their work	agree 1		Hor disagree 3	Disagree 4	disagree 5
Incentives					
58. When I slaughter healthy pigs, I get more clients	☐ Strongly agree 1	☐ Agree 2	☐ Neither agree nor disagree 3	Disagree 4	☐ Strongly disagree 5
59. If I use disinfectants, my pork will be safe	☐ Strongly agree 1	☐ Agree 2	☐ Neither agree nor disagree 3	□ Disagree 4	☐ Strongly disagree 5
60. When my place is clean, clients are many	☐ Strongly agree 1	☐ Agree 2	☐ Neither agree nor disagree 3	□ Disagree 4	☐ Strongly disagree 5

## **SECTION C: REPORTING**

Knowledge							
61. I don't know when a disease		Strongly		Agree 2	☐ Neither agree		☐ Strongly
should be reported.	agr	ee 1			nor disagree 3	Disagree 4	disagree 5
62. I know who should report an		Strongly	Г	Agree 2	☐ Neither agree		☐ Strongly
outbreak to the authorities in	agr	ee 1			nor disagree 3	Disagree 4	disagree 5
my community							
Attitude							
63. Reporting a disease outbreak		Strongly		Agree 2	☐ Neither agree		☐ Strongly
is not my role, it is farmer's	agr	ee 1			nor disagree 3	Disagree 4	disagree 5
responsibility							
64. Butchers buy sick pigs, at the		Strongly		Often	☐ About half the	☐ Seldom	☐ Never 5
cheap price	agr	ee 1	2		time 3	4	
Practices							
65. In case I see sick or dying pigs, I	repo	ort to:					
□ area vet 1 □ paravet 2 □ villag	e ve	t 3 🗆 fell	low	/ butchers	s □ LC1 4 □ I dor	n't report to	any 5 🗖
Others (specify) 6							
66. In case you do not report, why?.							
67. Pork consumers prefer diseased	þ	☐ Strongl	у	☐ Often	☐ About half the	☐ Seldom	☐ Never 5
meat because it is cheaper		agree 1		2	time 3	4	
Capacities							
68. I can get information on disease	æ	☐ Strongl	у	☐ Agree	☐ Neither agree		☐ Strongly
outbreaks within my area of		agree 1		2	nor disagree 3	Disagree 4	disagree 5
operation							
69. It is expensive to report an		☐ Strongl	у	☐ Agree	☐ Neither agree		☐ Strongly
outbreak		agree 1		2	nor disagree 3	Disagree 4	disagree 5
70. The community can get credit t	0	☐ Strongl	у	☐ Agree	☐ Neither agree		☐ Strongly
build slaughter slabs for pigs		agree 1		2	nor disagree 3	Disagree 4	disagree 5
71. I don't have skills to use		☐ Strongl	У	☐ Agree	☐ Neither agree		☐ Strongly
disinfectant		agree 1		2	nor disagree 3	Disagree 4	disagree 5
72. I am too busy, I don't have		☐ Strongl	у	☐ Agree	☐ Neither agree		☐ Strongly
enough time for cleaning the me	eat	agree 1		2	nor disagree 3	Disagree 4	disagree 5
processing premises							

Incentives					
73. Having access to a slaughter	☐ Strongly	☐ Agree	☐ Neither agree		☐ Strongly
house will make my pork cleaner	agree 1	2	nor disagree 3	Disagree 4	disagree 5
and safer					
74. If I tell anyone about the	☐ Strongly	☐ Agree	☐ Neither agree		☐ Strongly
outbreak, then I won't be able to	agree 1	2	nor disagree 3	Disagree 4	disagree 5
buy pigs from traders					
75. There is no point in reporting	☐ Strongly	☐ Agree	☐ Neither agree		☐ Strongly
outbreak because no one takes	agree 1	2	nor disagree 3	Disagree 4	disagree 5
action					
76. Why butchers would be willing to re	port to auth	orities volu	intarily sickness o	r mortality i	n pigs in
their area of operation?			•	•	. 0
a					
b					
С					
77. Why butchers you would NOT be w	illing to repor	t to autho	rities voluntarily s	sickness or n	nortality in
pigs in their area of operation?					
a					
b					
c					
				_	

## **SECTION D: MOVEMENT CONTROL**

Knowledge					
78. Pig movement is not authorized	☐ Strongly		☐ Neither agree		☐ Strongly
when there is an outbreak of ASF	agree 1	Agree 2	nor disagree 3	Disagree 4	disagree 5
in the area					
79. There is no risk in slaughtering	☐ Strongly		☐ Neither agree		☐ Strongly
pigs during outbreak of ASF	agree 1	Agree 2	nor disagree 3		disagree 5
Attitude					
80. Butchers do not care about	☐ Strongly		☐ Neither agree		☐ Strongly
movement control because their	agree 1	Agree 2	nor disagree 3	Disagree 4	disagree 5
business is not affected by the					
disease outbreak					
Practices					
81. Butchers would buy pigs in the area	☐ Very		☐ Neither likely	☐ Unlikely	☐ Very
of disease outbreak	likely 1	Likely 2	nor unlikely 3	4	unlikely 5
	<b>—</b>	_	<b>П</b> ш		
82. Butchers would sell out pork even	☐ Very likely 1	□ Likely 2	☐ Neither likely nor unlikely 3	☐ Unlikely 4	☐ Very unlikely 5
in the event of a disease outbreak	likely 1	LIKETY Z	nor uninkery 5	4	uninkely 5
in the area	<b>D</b>	_	<b>—</b>	П., ш.,	п
83. Butchers would totally stop their	☐ Very	Likely 2	Neither likely	☐ Unlikely 4	☐ Very unlikely 5
business in the event of a disease	likely 1	Likely 2	nor unlikely 3	4	unlikely 5
outbreak					
Capacities					
84. I can delay to buy pigs when	☐ Strongly		☐ Neither agree		
movement control is imposed	agree 1	Agree 2	nor disagree 3	Disagree 4	Strongly
because I have other sources of					disagree 5

			1	1	1
income					
85. I can't get accurate information to	☐ Strongly		☐ Neither agree		
sell pigs when movement	agree 1	Agree 2	nor disagree 3	Disagree 4	Strongly
restrictions are lifted			_		disagree 5
86. Why butchers would be willing to cor	nnly with mo	ovement	control of nigs an	ıd nig's nrod	ncts?
a	• •		correror or pigs an	ia pig 3 pi oa	acts.
b					
C					
87. Why butchers would NOT be willing t	o comply wi	th moven	nent control of pi	gs and nig's	products?
a				. O   F-0	p
b					
c					
Incentives					
88. There would be a high demand and	☐ Strongly		☐ Neither agree		
high prices for pork when	agree 1	Agree 2	nor disagree 3	Disagree 4	Strongly
movement control are imposed	~B. cc _	8.55			disagree 5
movement control are imposed					
SECTION E: SERVICES IMPLEME	INTING MO	OVEMEN	NT CONTROL		
Conneities					
Capacities			<b></b>		ГП.,
89. The government would not have	☐ Very likely 1	Likely 2	☐ Neither likely or unlikely 3	Unlikely	U Very
enough staff to effectively monitor	likely 1	Likely 2	of utilikely 5	4	utilikely 5
movement of pigs and pigs products					
in a quarantine zone		_			
90. The various authorities (Veterinary	□ Very		☐ Neither likely	Unlikely	□ Very
Office, police, etc.) work well	likely 1	Likely 2	or unlikely 3	4	unlikely 5
together					
91. The Veterinary Office doesn't have	☐ Very		☐ Neither likely	Unlikely	□ Very
enough funding, so would have	likely 1	Likely 2	or unlikely 3	4	unlikely 5
difficulty deploying their staff					
92. The Veterinary Office would have	☐ Very		☐ Neither likely	☐ Unlikely	☐ Very
enough vehicles and equipment to	likely 1	Likely 2	or unlikely 3	4	unlikely 5
monitor movement control well					
93. The police would have enough	□ Very		☐ Neither likely	☐ Unlikely	☐ Very
vehicles and equipment to monitor	likely 1	Likely 2	or unlikely 3	4	unlikely 5
movement control well					
94. Butchers would not support the	☐ Very		☐ Neither likely	☐ Unlikely	☐ Very
services of the authorities	likely 1	Likely 2	or unlikely 3	4	unlikely 5
(veterinary officer and police) to					
make sure the movement controls					
were respected					
95. Why authorities would want to do a g	ood job in n	naking su	re that movemer	t control is	fully
enforced?	_				•
a_					
b					
C					
Incentives					

96. The authorities (veterinary officer and police) like to demonstrate their professional capabilities by	☐ Very likely 1	Likely 2	☐ Neither likely or unlikely 3	Unlikely 4	☐ Very unlikely 5		
implementing movement controls							
97. The authorities (veterinary officer and police) earn extra allowances when they enforce movement controls in a quarantine zone	□ Very likely 1	Likely 2	☐ Neither likely or unlikely 3	Unlikely 4	☐ Very unlikely 5		
98. The authorities (veterinary officer and	☐ Very		☐ Neither likely		□ Very		
police) like to demonstrate their	likely 1	Likely 2	or unlikely 3	Unlikely 4	unlikely 5		
authority through stopping pigs							
movements in a quarantine zone					_		
99. The authorities (veterinary officer and	☐ Very likely 1	Likely 2	Neither likely or unlikely 3	Unlikely 4	☐ Very unlikely 5		
police) will not lose their jobs whether	likely 1	LIKETY Z	or utilikely 5	Officery 4	uninkely 5		
or not they enforce movement controls satisfactorily							
100. The authorities (veterinary officer	☐ Very		☐ Neither likely		☐ Very		
and police) believe that movement	likely 1	Likely 2	or unlikely 3	Unlikely 4	unlikely 5		
controls is effective in stopping the							
spread of ASF							
Thank the respondent for his/her time and kind cooperation.							
Did the respondent cooperate? □1 Yes							
Was the interview interrupted? $\Box 1$ Yes	□2 No						