

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.

INTRODUCTION

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. . 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	<input type="checkbox"/> 1=Male, <input type="checkbox"/> 2=Female
9. Age of the respondent (years)	
10. Marital status of respondent	<input type="checkbox"/> 1 Married (monogamous) <input type="checkbox"/> 4 Divorced/separated <input type="checkbox"/> 2 Married (polygamous) <input type="checkbox"/> 5 Single / unmarried <input type="checkbox"/> 3 Widow/Widower <input type="checkbox"/> 6 Other – specify....._____
11. Name of district	<input type="checkbox"/> 1 Masaka <input type="checkbox"/> 2 Lira
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	<input type="checkbox"/> 1=Men, <input type="checkbox"/> 2=Women
18. Give reasons for the preference (Q17) above?	a= _____ b= _____ c= _____
19. Which sex is more represented in this business according to you, and why? <input type="checkbox"/> 1=Men, <input type="checkbox"/> 2=Women	a _____ b _____ c _____
20. Do you belong to a group/cooperative? <input type="checkbox"/> 1Yes, <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> NO	If YES (Q23-Q26)
23. List 3 clinical signs of ASF you know?	
a _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
b _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
c _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
24. Through which channels ASF can be carried from farm to farm? (maximum of 3 channels)	
a _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
b _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
c _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
25. How is ASF transmitted from pig to pig? (maximum of 3 routes of transmission)	
a _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
b _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
c _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
26. List actions that can stop the spread of the disease in your area (maximum 3 actions)	
a _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
b _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong
c _____	<input type="checkbox"/> 1 right <input type="checkbox"/> 2wrong

Knowledge					
27. Butchers can spread the disease when they sell pork of sick pigs	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
28. Pig blood and other fluids cannot transmit the disease to other pigs	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
29. Butchers cannot spread the disease through any of their activity	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
30. When I give pig offal's to dogs, they spread the disease	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
31. When I burry deeply the offal's after the slaughtering, the disease will spread	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
Attitudes					
32. It is not butchers problem if there is an outbreak because they don't face loses in their business	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
33. Butchers will gain more profit during disease outbreaks	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5

34. There is no link between slaughtering and disease outbreak occurrence	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
35. Butchers still slaughter pigs when they hear about ASF outbreak in their area	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
36. Pork from sick pigs in cheaper	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
Practices					
37. Butchers buy pork in diseased area during disease outbreak season	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
38. How do you handle sick pigs when you buy them? <input type="checkbox"/> 1 Slaughter the same day <input type="checkbox"/> 2 Taken back to the owners <input type="checkbox"/> 3 Sell to other butchers <input type="checkbox"/> 4 Isolate and treat <input type="checkbox"/> 5 Other _____					
39. How do you keep leftover meat you did not sell the same day? <input type="checkbox"/> 1 keep for selling the following day <input type="checkbox"/> 2 consume at home <input type="checkbox"/> 3 give to neighbours <input type="checkbox"/> 4 other (specify) _____					
40. Do you use disinfectant? <input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No					
41. If yes to Q40, list the disinfectants you use _____					
42. I clean my tools (ex. knife/machete) when I am slaughtering a new pig	<input type="checkbox"/> Always 1	<input type="checkbox"/> Often 2	<input type="checkbox"/> About half the time 3	<input type="checkbox"/> Seldom 4	<input type="checkbox"/> Never 5
43. Where do you slaughter your pigs from? <input type="checkbox"/> 1 communal slaughter place <input type="checkbox"/> 2 backyard <input type="checkbox"/> 3 in the bush near the butchery <input type="checkbox"/> 4 no fix place <input type="checkbox"/> 5 other (specify) _____					
44. Estimate the distance from your usual slaughter point to your selling point? (Km) _____					
45. How do you dispose off the slaughter waste? <input type="checkbox"/> 1 Burry <input type="checkbox"/> 2 Feed to live pigs <input type="checkbox"/> 3 Feed to dogs <input type="checkbox"/> 4 Leave on site <input type="checkbox"/> 5 Other (specify) _____					
46. I get my pork inspected before buying	<input type="checkbox"/> Always 1	<input type="checkbox"/> Often 2	<input type="checkbox"/> About half the time 3	<input type="checkbox"/> Seldom 4	<input type="checkbox"/> Never 5
47. In case you get your pork inspected, who does the inspection? <input type="checkbox"/> Area vet 1 <input type="checkbox"/> Private Vet 2 <input type="checkbox"/> Village vet 3 <input type="checkbox"/> Paravet 4 <input type="checkbox"/> Other (specify) 5 _____					
48. Authorities don't care if I buy or sell pork of sick pigs	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
49. From where do you fetch your water? <input type="checkbox"/> Tap <input type="checkbox"/> Well <input type="checkbox"/> 3 Other (specify) _____					
50. Are there wild/migratory birds or dogs in the vicinity of the slaughter place? <input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No					
51. What is the distance between the slaughter place and the selling place? (meters) _____					
52. Is there a perimeter fence around the slaughter place? <input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No					
53. Where do you process the meat from after slaughtering? <input type="checkbox"/> 1 Countertop <input type="checkbox"/> 2 Banana leaves on the floor <input type="checkbox"/> 3 Containers (like basket, etc...) <input type="checkbox"/> 4 Hang (tree or other) <input type="checkbox"/> 5 Other (specify) _____					
Capacities					
54. The community cannot have access to credit to build slaughter slabs	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
55. Butchers do not make enough profit to but disinfectants	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
56. Butchers are too busy, they don't have time to clean and	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5

disinfect their working tools	agree 1		nor disagree 3	Disagree 4	disagree 5
57. Butchers do not have enough labour for their work	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
Incentives					
58. When I slaughter healthy pigs, I get more clients	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
59. If I use disinfectants, my pork will be safe	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
60. When my place is clean, clients are many	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5

SECTION C: REPORTING

Knowledge					
61. I don't know when a disease should be reported.	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
62. I know who should report an outbreak to the authorities in my community	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
Attitude					
63. Reporting a disease outbreak is not my role, it is farmer's responsibility	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
64. Butchers buy sick pigs, at the cheap price	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Often 2	<input type="checkbox"/> About half the time 3	<input type="checkbox"/> Seldom 4	<input type="checkbox"/> Never 5
Practices					
65. In case I see sick or dying pigs, I report to: <input type="checkbox"/> area vet 1 <input type="checkbox"/> paravet 2 <input type="checkbox"/> village vet 3 <input type="checkbox"/> fellow butchers <input type="checkbox"/> LC1 4 <input type="checkbox"/> I don't report to any 5 <input type="checkbox"/> Others (specify) 6.....					
66. In case you do not report, why?.....					
67. Pork consumers prefer diseased meat because it is cheaper	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Often 2	<input type="checkbox"/> About half the time 3	<input type="checkbox"/> Seldom 4	<input type="checkbox"/> Never 5
Capacities					
68. I can get information on disease outbreaks within my area of operation	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
69. It is expensive to report an outbreak	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
70. The community can get credit to build slaughter slabs for pigs	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
71. I don't have skills to use disinfectant	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
72. I am too busy, I don't have enough time for cleaning the meat processing premises	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5

Incentives					
73. Having access to a slaughter house will make my pork cleaner and safer	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
74. If I tell anyone about the outbreak, then I won't be able to buy pigs from traders	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
75. There is no point in reporting outbreak because no one takes action	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
76. Why butchers would be willing to report to authorities voluntarily sickness or mortality in pigs in their area of operation? a _____ b _____ c _____					
77. Why butchers you would NOT be willing to report to authorities voluntarily sickness or mortality in pigs in their area of operation? a _____ b _____ c _____					

SECTION D: MOVEMENT CONTROL

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

income					
85. I can't get accurate information to sell pigs when movement restrictions are lifted	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5
86. Why butchers would be willing to comply with movement control of pigs and pig's products? a _____ b _____ c _____					
87. Why butchers would NOT be willing to comply with movement control of pigs and pig's products? a _____ b _____ c _____					
Incentives					
88. There would be a high demand and high prices for pork when movement control are imposed	<input type="checkbox"/> Strongly agree 1	<input type="checkbox"/> Agree 2	<input type="checkbox"/> Neither agree nor disagree 3	<input type="checkbox"/> Disagree 4	<input type="checkbox"/> Strongly disagree 5

SECTION E: SERVICES IMPLEMENTING MOVEMENT CONTROL

Capacities					
89. The government would not have enough staff to effectively monitor movement of pigs and pigs products in a quarantine zone	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
90. The various authorities (Veterinary Office, police, etc.) work well together	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
91. The Veterinary Office doesn't have enough funding, so would have difficulty deploying their staff	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
92. The Veterinary Office would have enough vehicles and equipment to monitor movement control well	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
93. The police would have enough vehicles and equipment to monitor movement control well	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
94. Butchers would not support the services of the authorities (veterinary officer and police) to make sure the movement controls were respected	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
95. Why authorities would want to do a good job in making sure that movement control is fully enforced? a _____ b _____ c _____					
Incentives					

96. The authorities (veterinary officer and police) like to demonstrate their professional capabilities by implementing movement controls	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
97. The authorities (veterinary officer and police) earn extra allowances when they enforce movement controls in a quarantine zone	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
98. The authorities (veterinary officer and police) like to demonstrate their authority through stopping pigs movements in a quarantine zone	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
99. The authorities (veterinary officer and police) will not lose their jobs whether or not they enforce movement controls satisfactorily	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5
100. The authorities (veterinary officer and police) believe that movement controls is effective in stopping the spread of ASF	<input type="checkbox"/> Very likely 1	<input type="checkbox"/> Likely 2	<input type="checkbox"/> Neither likely or unlikely 3	<input type="checkbox"/> Unlikely 4	<input type="checkbox"/> Very unlikely 5

Thank the respondent for his/her time and kind cooperation.

Did the respondent cooperate? 1 Yes 2 No

Was the interview interrupted? 1 Yes 2 No

