

Household ID:

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**SMALLHOLDER PIG VALUE CHAIN DEVELOPMENT PROJECT IN UGANDA: PIG HEALTH AND FARMERS LIVELIHOODS**

**HOUSEHOLD QUESTIONNAIRE**

GPS Readings (Format N00.xxxxx)

North	<input type="text"/>
East	<input type="text"/>
South	<input type="text"/>
Altitude	<input type="text"/>

District:	<input type="text"/>
Sub-county:	<input type="text"/>
Village name:	<input type="text"/>
Date of interview:	<input type="text"/>

**A. Household information**

1. Provide the following details about the household **head**:

a. Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female	
b. Age (years)	<input type="text"/>	
c. Ethnicity	<input type="text"/>	
d. Religion	<input type="text"/>	
e. Level of education: (circle)	1 = None 2 = Primary 3 = Secondary (high school) 4 = Tertiary (university) 5 = Other: _____	
f. Primary activity	1 = Crop farming 2 = Animal keeping (incl. sales) 3 = Trading in animal products (not own) 4 = Trading in ag. products (not own produce) 5 = Formal Salaried employee 6 = Business – trade / services (non-agric.) 7 = Not working / unemployed 8 = Old/Retired 10 = Infant (<6 years) 11 = Student/ pupil 12 = Disabled 13 = Other (specify)	

2. Provide the following details about the **respondent**: (Note: if different from the household head)

a. Position of the respondent in the household	<b>1 = Head</b> <b>5= Son-in-law</b> <b>9= Mother- in-law</b> <b>2 = Spouse</b> <b>6= Daughter-in-law</b> <b>10= Father-in-law</b> <b>3 = Daughter</b> <b>7= Father of head</b> <b>4 = Son</b> <b>8= Mother of head</b> <b>11=Other:_____</b>
a. Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
b. Age (years)	

3. Have you received any special training on pig production?

<b>1=yes</b>	<b>2=no</b>
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3.1. If yes, specify the type of training. \_\_\_\_\_

4. What was the length of the training?

<b>1=&lt;1 week</b>	<b>2=2-4 weeks</b>	<b>3=&gt;4 weeks</b>
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**B. Pig production systems and management practices**

5. How many pigs do you keep?

<b>1=weaner (&gt; 3months)</b>	<b>2=sow</b>	<b>3= entire boar</b>	<b>4=castrated boar</b>	<b>5=piglet (if mother not present)</b>
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6. What is the production system practiced?

<b>1=Free range</b>	<b>2=Tethering-under tree shade</b>	<b>3=Tethering-on pastures</b>	<b>4=Backyard confinement</b>
<b>5=Intensive-raised floors</b>	<b>6=Intensive-Uncemented floors</b>	<b>7=Intensive-Cemented floors</b>	<b>8= other (specify)</b>

7. Feed type

<b>1=Crop residues</b>	<b>2=Swill</b>	<b>3=Commercial feeds</b>	<b>4=Pastures</b>	<b>5=Other (specify)</b>
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8. Routine disease prevention measures

<b>1=Deworming</b>	<b>2=Spraying</b>	<b>3=Vitamins</b>	<b>4=Ion injection</b>	<b>5=Other (specify)</b>
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9. Where do you usually slaughter your pigs?

1=communal slaughter place	2=in the home	3=near the house in the bush
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9.1. If it is in communal place, where it is located?

1=in the village	2=outside the village
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9.2. If in house, how do you dispose of water after washing pig meat?

1=Throw away outside the compound	2=Throw away inside the compound	3=watering tree in the compound	4=Feed the live pigs	5=Other (specify)
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9.3. How do you dispose of the visceral and intestinal contents?

1=Throw away outside the compound	2=Throw away inside the compound	3=manure	4=Feed the live pigs	5=Other (specify)
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10. Where do you usually sell your pork?

1= neighbor	2=trader	3=pork joint	4= don't sell	5=Other (specify)
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### C. Hygiene and sanitation

11. Where do you usually get your drinking water?

1=River	2= Bore-hole
3= Well	4= Other (please specify)

12. Do you boil your drinking water?

1= Always	2= Never	3=Sometimes
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13. Where do you cook?

1= In a kitchen	2= Under a hut
3= In free air	4= Other (please specify)

14. Do you have a latrine at home?

1=yes	2=no (Skip to Q 17)
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15. Do you have children <6years and old people unable to use the latrine?

1=yes	2=No
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15.1. If yes, how do you dispose the feces?

1= Pit latrine	2= Digging a hole	3= Thrown in the near bushes
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16. What is the general latrine coverage in the village (Interview to get details from LC1)

Table below to complete by interviewer following observations

Facility	Guide to grading	Status	Comment (Excellent, Good, Poor)
Pit latrine	Available, well built with strong walls, door and roof. Well ventilated, hole clean and covered		
Hand washing	Container with clean water available. Soap/detergent available		
General home cleanliness	Compound clean. Rubbish pit present. House clean. A raised drying stand for plates, cups and pans present		

### C. Predisposing factors to African Swine Fever (ASF)

17. Are any forests around the area?

1=yes	2=No
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18. Is the herd located in a bushy area?

1=yes	2=No
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19. Are there any roadside culverts?

1=yes	2=No
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20. Which other animals do you keep in the compound?

1= dog	2= poultry	3=cow	4=sheep	5= goat	6=Other (specify)
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21. Do you see wild animals in the village?

1=yes	2=No
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4.1. If yes, which ones?.....

22. Do you see wild animals near your farm?

1=yes	2=No
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23. Do you consume wild meat?

1=yes	2=No
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23.1 If yes, from which animals?.....

24. Has your farm ever been affected by an outbreak?

1=yes	2=No
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25. If yes, cite the last 3 ones and describe their symptoms

	outbreak 1 date.....	outbreak 2 date.....	outbreak 3 date.....
Symptoms			
Number of dead pigs			

26. What did you do when you were affected by outbreak?

1= sell sick pigs	2=sell healthy and sick pigs	3= call the vet officer	4= call village vet	5= own treatment
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27. In case of outbreak, do you contact the infected farms to find out more about it?

1=yes	2=No
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28. Do wild birds enter the pig pens?

1=yes	2=No
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29. Do you observe rats in the compound?

1=yes	2=No
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30. Do you observe ticks on pigs/premises?

1=yes	2=No
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31. Where do you keep feeds?

1= in a store	2=outside near the pig house	3= Other (specify)
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32. Do you share farm tools with other farms?

1=yes	2=No
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29.1 if yes, which tools do you share?.....

33. Self-reported biosecurity practices

**(1) Yes (2) No**

33.1 Restricted access	
33.2. Fence around premises	
33.3. Gate at entrance	
33.4. Foot bath/dips present	
33.5. Change solution in foot pans regularly	
33.6. Records kept	
33.7. Food and water control	
33.8. Quarantine of newly purchased pigs	
33.9. Terminal cleaning (end-of-cycle cleaning)	
33.10. Routine clearing	
33.11. Cleaning and disinfection of drinkers and feeders	
33.12. Wash/disinfect equipment and tool	
33.13. Remove manure and litter routinely	
33.14. Prompt disposal of dead animals	
33.15. Safe disposal of feces and carcass	
33.16. Sufficient feeding and drinking space	
33.17. Sufficient space for pigs (prevent overcrowding)	
33.18. Use disinfectants	
33.19. Do not mix pigs of different ages	
33.20. Change rubber boots	

33.21. Change clothes to go in and out	
33.22. Separate/isolate sick pigs	
33.23. Consultation of vet when pigs were sick	
33.24. Down time of > 2 weeks	
33.25. Pest and rodent control	
33.26. Evaluate and audit biosecurity measure periodically	

**D. Knowledge, Attitudes and Practices of farmers in relation to T. solium cysticercosis**

34. How often do you eat pork?

1. At least once a month	2. Less than once a month but at least once a year
3. Less than once a year	4. Never

35. How is the pork that you eat prepared? [Check all that apply.]

1. Boiling	2. Barbeque
3. Fried	4. Others (specify)

36. How often do you slaughter pigs at home?

1. At least once a month	2. Less than once a year	3. Never
4. Less than once a month but at least once a year	5. Cannot remember, do not know	

361 If ever, how often was the meat inspected by a meat inspector?

1. Always	2. Almost always	3. Sometimes
4. Cannot remember, do not know	5. Never	

37. What price do you usually sell your pigs when they are ready to be slaughtered (specify the currency used, this can be money or barter)? \_\_\_\_\_

\_\_\_\_\_

38. What price do you usually sell your piglets (aged 4 months or less) (specify the currency used, this can be money or barter)? \_\_\_\_\_

\_\_\_\_\_

39. Were you ever told that your pigs or piglets were infected with cysts (cysticercosis)?

1=yes	2=No
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39.1 When were you told that your pig or piglets were infected with cysts (cysticercosis)?

1. In the past year	2. One (1) to five (5) years ago	3. More than five (5) years ago
4. Never told (go to Q40)	5. Cannot remember, do not know (go to Q40)	

39.2. When that happened, were you able to sell your pig(s) or piglets?

1. Sold both	2. Sold pigs but not piglets	3. Sold piglets but not pigs
4. Could not sell either (go to Q37)	5. Cannot remember, do not know (go to Q40)	

39.3 When that happened, what price did you sell your pigs (aged more than 4 months) (specify the currency used, this can be money or barter)? \_\_\_\_\_

39.4 When that happened, what price did you sell your piglets (aged 4 months or less) (specify the currency used, this can be money or barter)? \_\_\_\_\_

40. Have you ever seen or heard of white nodules (rice) in pig carcasses?

1=yes	2=No (go to Q41)
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40.1 Where can you find nodules on a live pig?

1. It is not possible to find them on a live pig	2. Under the skin	3. Under the tongue
4. I don't know	5. Somewhere else (Specify)	

40.2 How do pigs get these nodules?

1. By eating human feces	2. By eating pig faces	3. From another infected pig
4. I don't know	5. Other (Specify)	

40.3 What would you do if you discovered that your pig had nodules?

1. Sell the pig	2. Treat it with herbs	3. Pierce the nodules
4. I don't know	5. Other (Specify)	

41. Have you ever heard of tapeworm infection in humans?

1=yes	2=No (Skip to 42)
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41.1 How did you learn about it?

1. By a doctor	2. By a friend or family member	3. By a traditional healer
4. On the radio / newspaper	5. Other (Specify)	

41.2 How does a person know if they have a tapeworm?

1. They can see it in their faeces	2. They have diarrhea	3. They have fever
4. I don't know	5. Other (Specify)	

41.3 Have you ever had a tapeworm or seen small parts (segments) of worms in your faeces?

*(Show photographs of proglottids)*

1. Yes	2. No (SKIP TO Q 41.4)
3. I don't know/cannot remember (SKIP TO Q 41.4)	

41.3.1 When that happened, what did you do? *[check all that applies]*

1. Went to a primary health care provider (hospital, clinic, dispensary)	2. Went to the pharmacy to get a drug to treat it	3. Went to a traditional healer
4. Did nothing	5. I can not remember, I do not know	

41.4 How does a person get tapeworm infection?

1. They do not wash their hands	2. They eat undercooked pig meat	3. I don't know
4. They are in contact with an infected person	5. Other (Specify)	

42. Have you ever had skin nodules or hard lumps under the skin? *(Show photograph of person with subcutaneous cysticercosis nodules)*

1. Yes, currently has	2. Yes in the past year, but not currently	3. Yes, one year or more ago, but not currently
4. No	5. Can not remember, do not know	

42.1 Were you ever told that you had epilepsy or that you had had an epileptic seizure?

1. Yes, currently has	2. Yes in the past year, but not currently	3. No
4. Yes, one year or more ago, but not currently	5. Cannot remember, do not know	

43. Is there someone in your household with epilepsy or seizures?

1. Yes, currently is	2. Yes in the past year, but not currently
3. Yes, one year or more ago, but not currently	4. No

43.1 (If yes) Who in your household has epilepsy or seizures? *[check all that apply]*

1. Mother	2. Father	3. Brother/sister
4. Child	5. Other relative	6. Other (specify)

44. Have you ever consulted a health provider because of this condition?

1. Yes	2. No (skip to Q 45)
3. Cannot remember (skip to Q 42)	

44.1 When was the last time you consulted a health provider for your condition?

1. Within the past month	2. Within the past year	3. From one (1) to five (5) years ago
4. More than five (5) years ago	5. Cannot remember, not sure	

44.2 What kind of health provider(s) did you consult and how many times in the past 5 years *[check several boxes if appropriate]*?

- A physician \_\_\_\_\_ times
- A neurologist \_\_\_\_\_ times
- A nurse \_\_\_\_\_ times
- A traditional healer \_\_\_\_\_ times
- A psychiatrist/psychologist \_\_\_\_\_ times
- Other (specify \_\_\_\_\_) \_\_\_\_\_ times
- Can not remember, not sure

45. Were you ever treated for this condition?

1. Yes	2. No (the interview is finished)
3. Can't remember, do not know (interview is finished)	

45.1 When was the last time you used medication for your condition?

1. Within the past month	2. Within the past year	3. From one (1) to five (5) years ago
4. More than five (5) years ago	5. Cannot remember, not sure	

45.2 What medication was it and how many times in the past year did you have to use some (check several boxes if appropriate)?

- Phenobarbital \_\_\_\_\_ times
- Dilantin/Tegritol/ Phentoin Sodium \_\_\_\_\_ times (tick box and underline specific drug name)
- Valproic acid \_\_\_\_\_ times       Traditional medicine \_\_\_\_\_ times
- Other (specify \_\_\_\_\_) \_\_\_\_\_ times
- Can not remember, not sure

**E. Treatment /Deworming**

46. Do you always deworm your pigs?

1=yes	2=No (Skip to 39)
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46.1 If yes, how often is it done?

1. Once a month	2. After every 3 months
3. Other (specify)	

47. What drugs are used for deworming?

1. Albendazole	2. Praziquantel	3. Levamisol Chloride
4. Ivermectins	5. Others (Specify)	

48. What is the source of the drugs?

1. Vet drug shop	2. Market vendors	3. D.V.O
4. Veterinarian	5. NGO	6. other (specify)

49. Why do prefer the drug (named) to others?

1. Cheap	2. Only accessible drug on the market
3. Most effective	4. Given for free

50. Do you deworm yourself?

1=yes	2=No
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50.1 If yes, how often is it done?

1. Once a month	2. After every 3 months
3. Other (specify)	

51. What drugs are used for deworming?

1. Albendazoles	2. Praziquantel
3. Ivermectins	4. Others (Specify

52. What is the source of the drugs?

1. Drug shop	2. Market vendors	3. Health centre
4. Government	5. NGO	6. other (specify)

53. Why do prefer the drug (named) to others?

1. Cheap	2. Only accessible drug on the mark et
3. Most effective	4. Given for free

INTERVIEWER: \_\_\_\_\_

DATE OF INTERVIEW: \_\_\_\_\_