

Enhanced assessment of knowledge, attitudes and practices; and,  
intervention (KAP+) on antimicrobial resistance and antimicrobial use

INTERVIEWEE IDENTIFICATION			
INTERVIEWEE NUMBER:	HOUSEHOLD NUMBER:		DATE OF VISIT:
INTERVIEWER'S NAME:			TIME OF VISIT:
RECORD TIME AT THE BEGINNING OF INTERVIEW:		RECORD TIME AT THE END OF THE INTERVIEW:	
RESULTS	RESULTS CODE: 1 = completed 2 = not at home 3 = postponed	4 = refused 5 = partially completed 6 = no eligible person	7 = dropped out 8 = other (specify)

FARMER PROFILE			
001	What is your highest education level attained?	<input type="checkbox"/> Finished Post-Graduate Studies <input type="checkbox"/> Finished Graduate Studies <input type="checkbox"/> Finished College/Bachelor <input type="checkbox"/> Finished Certificate/Polytechnic/Technical <input type="checkbox"/> Finished High School <input type="checkbox"/> Finished Elementary <input type="checkbox"/> Some schooling but did not finish elementary <input type="checkbox"/> Did not go to school	...7 ...6 ...5 ...4 ...3 ...2 ...1 ...0
002	Age		
003	Gender	<input type="checkbox"/> MALE <input type="checkbox"/> FEMALE <input type="checkbox"/> OTHERS	...0 ...1 ...3
004	How many years of experience do you have in farming?	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1 year to 2 years <input type="checkbox"/> More than 2 years to 5 years <input type="checkbox"/> Over 5 years	...0 ...1 ...2 ...3
005	Do you consider farming your main occupation?	<input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> If not, what is your other occupation other than in farming? _____	...0 ...1

Tenurial Status of Farmer				
006	If farming is your main occupation, do you own the farm?	<input type="checkbox"/> NO <input type="checkbox"/> YES		...0 ...1
007	If not an owner of the farm, what is your work arrangement in the farm?	<input type="checkbox"/> Farm manager or caretaker <input type="checkbox"/> Hired farm helper <input type="checkbox"/> Others (please specify): _____		...0 ...1 ...2
Farm Type and Scale				
008	How would you classify your farm?	<input type="checkbox"/> Subsistence <input type="checkbox"/> Backyard <input type="checkbox"/> Integrated farm <input type="checkbox"/> Small-scale commercial farm <input type="checkbox"/> Medium-scale commercial farm <input type="checkbox"/> Large-scale commercial farm <input type="checkbox"/> Others (please specify): _____		...0 ...1 ...2 ...3 ...4 ...5 ...6
009	If large-scale farming, are you a contract grower of a food company?	<input type="checkbox"/> NO <input type="checkbox"/> YES		...0 ...1
010	If contract grower, how much is your quota?	_____		
011	Where is your farm located?	<input type="checkbox"/> Upland <input type="checkbox"/> Lowland <input type="checkbox"/> Others (please specify): _____		...0 ...1 ...2
012	Where is your farm erected? (Please select all that apply) erected?	<input type="checkbox"/> In a flatland <input type="checkbox"/> In a sloping area <input type="checkbox"/> Near a body of water (i.e., pond, creek, river, lake, or sea) <input type="checkbox"/> Near a farm irrigation system <input type="checkbox"/> Near community houses <input type="checkbox"/> Others (please specify): _____		...1 ...1 ...1 ...1 ...1 ...1
013	How do you use the surrounding area of your farm? (Please select all that apply)	<input type="checkbox"/> Vegetable farming <input type="checkbox"/> Rice farming <input type="checkbox"/> Housing <input type="checkbox"/> Flower gardening <input type="checkbox"/> Solar drying <input type="checkbox"/> Seedling nursery <input type="checkbox"/> I leave the surrounding area unused <input type="checkbox"/> Others (please specify): _____		...1 ...1 ...1 ...1 ...1 ...1 ...1
Stock Density				
014	What animals do you raise in your farm?	Animal Types (Select all that apply)	Number of Heads	
		<input type="checkbox"/> Cattle	_____	...0
		<input type="checkbox"/> Buffalo	_____	...1
		<input type="checkbox"/> Goat	_____	...2
		<input type="checkbox"/> Pig	_____	...3

		__ Chicken __ Fish __ Prawn __ Others (please specify): _____	_____ _____ _____ _____	...4 ...5 ...6 ...7 ...8
015	How do you keep your animals in the farm?	__ Free-range __ Organic __ Yarding __ In captivity __ Others (please specify): _____		...0 ...1 ...2 ...3 ...4
016	If raised in captivity, what type of cage/pen do you use for your animals? <b>(Please select all that apply)</b>			
	Swine	Poultry	Aquaculture	
	__ Free-range	__ Free-range	__ Fresh water pond:	
	__ In pens	__ Battery cage	__ Brackish water	
	__ Others: _____	__ Furnished Cage	__ Fish pen	
		__ Grow out houses	__ Integrated fish farming	
	__ Others: _____	__ Others: _____		
017	In your estimation, what size is your pen/cage/pond	_____ _____ _____		
018	In your estimation, how many are raised in each pen/cage/pond?	_____ _____ _____		
019	What kind of animal breeds do you raise in the farm	__ Native __ Exotic __ Crossbreed/Hybrid __ A mix of native and exotic breeds		...0 ...1 ...2 ...3
020	If a mix of native and exotic breeds, how do you keep your native and hybrid animals	__ Strictly separated __ Separated but may come in close contact with each other __ Mixed (co-mingled) __ Others (please specify): _____		...0 ...1 ...2 ...3
<i>Animal Nutrition and Biosecurity</i>				
021	What kind of feeds do you use in the farm?	__ Non-commercial feeds __ Commercial feeds		...0 ...1
022	What special types of commercial feeds do you use in the farm? <b>(Please select all that apply)</b>			
Swine		Poultry	Aquaculture	
__ Starter		__ Starter	__ Natural feed	
__ Grower		__ Grower	__ Supplementary feed	
__ Finisher		__ Finisher	__ Complete feed	

___Booster and vitamin-enriched feeds		___Booster and vitamin-enriched feeds		
___Feeds with antimicrobials		___Feeds with antimicrobials		
___Others: _____		___Others: _____		___Others: _____
023	What kind of animal products does your farm produce?	___ For Breeding ___ Live ___ For slaughter ___ Animal by-products (i.e., eggs, meat, etc.) ___ Others ( <b>please specify</b> ): _____	...1 ...1 ...1 ...1 ...1	
024	How often do you clean the cages/pens?	___ Everyday ___ Every other day ___ Once a week ___ Once a month ___ After harvest ___ Others ( <b>please specify</b> ): _____	...5 ...4 ...3 ...2 ...1 ...0	
025	What is the method you use for cleaning your animals' cages/pens? (select all that apply)	___ Dry cleaning ___ Wet cleaning ___ Wet cleaning (with chemical disinfectants) ___ Wet cleaning (with biocides) ___ Others ( <b>please specify</b> ): _____	...1 ...1 ...1 ...1 ...1	
026	How do you dispose animal manure and other farm wastes?	___ Composting ___ Sell as fertilizer ___ Throw in landfill ___ Septic tank ___ Water runoff ___ Others ( <b>please specify</b> ): _____	...0 ...1 ...2 ...3 ...4 ...5	
027	Have you encountered or experienced animal disease outbreaks in the last 12 months?	___ YES ___ NO ___ CAN'T REMEMBER	...1 ...0 ...0	
028	If yes, what types of disease outbreaks did you encounter? (Please check those that apply)	___ Highly Pathogenic Avian Influenza/Bird flu ___ Foot and Mouth Disease (FMD) ___ Classical swine fever/Swine Cholera ___ Swine Flu ___ Newcastle Disease ___ Others ( <b>please specify</b> ): _____	...1 ...1 ...1 ...1 ...1 ...1	
029	Is there a veterinarian in your place?	___ Yes and I consult him/her regularly ___ Yes and I consult him/her less often ___ Yes but I do not consult him/her ___ There is no veterinarian in my locality	...3 ...2 ...1 ...0	

### KNOWLEDGE-RELATED QUESTIONS

001	Can you describe what antibiotics are?	<input type="checkbox"/> Yes <input type="checkbox"/> No ( <b>go to Q4</b> ) <input type="checkbox"/> Don't know ( <b>go to Q4</b> )	...1 ...0 ...0
002	If yes, what do you think antibiotics are intended for? (Please select all that apply.)	<input type="checkbox"/> As treatment of all types of diseases <input type="checkbox"/> As treatment of specific types of diseases <input type="checkbox"/> As prevention of all types of diseases <input type="checkbox"/> As prevention of specific types of diseases <input type="checkbox"/> As growth booster <input type="checkbox"/> Don't know <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...0 ...1 ...0 ...0 ...0 ...0 ...0
003	Please list three antibiotics that you know.	_____ _____ _____ Can't remember ( <b>Don't read out until the respondent cannot provide answer</b> )	...1 ...1 ...1 ...0
004	Can you describe what antimicrobials are	<input type="checkbox"/> Yes <input type="checkbox"/> No ( <b>go to Q8</b> ) <input type="checkbox"/> Don't know ( <b>go to Q8</b> )	...1 ...0 ...0
005	If yes, what do you think antimicrobials are intended for? (Please select all that apply.)	<input type="checkbox"/> As treatment of all types of diseases <input type="checkbox"/> As treatment of specific types of diseases <input type="checkbox"/> As prevention of all types of diseases <input type="checkbox"/> As prevention of specific types of diseases <input type="checkbox"/> As growth booster <input type="checkbox"/> Don't know <input type="checkbox"/> Others (please specify): _____	...0 ...1 ...0 ...0 ...0 ...0 ...0
006	Please list three antimicrobials that you know.	_____ _____ _____ Can't remember ( <b>Don't read out until the respondent cannot provide answer</b> )	...1 ...1 ...1 ...0
007	Do you think there is a difference between antibiotics and antimicrobials?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know	...1 ...0 ...0
<i>Prior Exposure to AMU/AMR Information</i>			
008	Have you heard of antibiotic resistance?	<input type="checkbox"/> Yes <input type="checkbox"/> No ( <b>go to Q11</b> )	...1 ...0
009	Where did you hear about antibiotic resistance?	<input type="checkbox"/> From TV, please specify channel or program: _____ <input type="checkbox"/> From radio, please specify station or program: _____ <input type="checkbox"/> From my friends <input type="checkbox"/> From a village seminar	...1 ...1 ...1 ...1 ...1

		___ Social media such as Facebook, Twitter or Instagram ___ Others: _____	...1
010	Select in the list below, what best describes <u>antibiotic resistance</u> . (please select all that apply)	___ Antibiotic resistance is dangerous but don't know how to describe ...0 ___ When an infection cannot be treated because the medicine is ineffective ...0 ___ When bacteria develop resistance to one or more antibiotics ...1 ___ I'm not sure or don't know (Don't read out until the respondent cannot provide answer) ...0	
011	Have you heard of antimicrobial resistance?	___ Yes ...1 ___ No (Go to Q14) ...0	
012	Where did you hear about antimicrobial resistance?	___ From TV, please specify channel or program: ...1 _____ ___ From radio, please specify station or program: ...1 _____ ___ From my friends ...1 ___ From a village seminar ...1 ___ Social media such as Facebook, Twitter or Instagram ...1 ___ Others: _____ ...1	
013	Select in the list below, what best describes <u>antimicrobial resistance</u> . (please select all that apply)	___ Antimicrobial resistance is the same as antibiotic resistance ...0 ___ Antimicrobial resistance is dangerous but I don't know how to describe ...0 ___ Antimicrobial resistance is when infections cannot be treated because medicine lose their potency or effectiveness. ...0 ___ Antimicrobial resistance is when bacteria develop resistance to antimicrobials such as antibiotics ...1 ___ I'm not sure or don't know (Don't read out until the respondent cannot provide answer) ...0	
014	From the list below, please select what you think is the best time to use antibiotics	___ For treatment of infection in your animals (pig, chicken or fish) ...1 ___ To promote growth in my animals/fish ...0 ___ To prevent infection in my animals/fish ...1 ___ Whenever I feel like using it ...0 ___ Don't know ...0	
015	From the list below, how do you assess the risk of antibiotics in animals/fish (please select all that apply)	___ Antibiotics fight bacteria, so it is safe to use ...0 ___ Antibiotics promote growth, so it is safe to use ...0 ___ Animals/fish develop resistance to bacteria, which can be passed on to people ...1 ...1	

		___ Diseases can be hard to treat because animals/fish might develop resistance to bacteria ___ There is no risk in using antibiotics in animals ___ Don't know	...0 ...0
016	Please describe how the use of antibiotics in farm animals could affect you and your family	_____ ___ Don't know/No comment	...1 ...0

017. The following statements are what other people think when they are asked about antibiotics. What are your thoughts about them? Please indicate your answer using the scale of 1 to 5 where 1 = strongly disagree, 2 = disagree, 3 = don't know, 4 = agree, and 5 = strongly agree.

Knowledge Statements <sup>1</sup>	1	2	3	4	5
Anti-biotics have the same effect as anti-inflammatory drugs					
Different antibiotics are needed to cure different animal diseases					
Antibiotics speed up the recovery from most animal diseases					
Antibiotics are effective against bacteria					
Antibiotics are effective against viral diseases					
If the animals get side effects during a course of antibiotics treatment you should stop giving them as soon as possible.					
If the animals get some kind of skin reaction when using an antibiotic, you should not give the same antibiotic again.					
The unnecessary use of antibiotics would lessen its efficacy					

<sup>1</sup> Modified from Jifar and Ayele (2018)

### ATTITUDE-RELATED QUESTIONS

Perceived Severity			
001	From a scale of 1 to 5 (1 being the least serious and 5 being very serious) how would you rate your situation if one of your family members has an infection that cannot be treated with medicine?	Very Serious Serious Moderately Serious Slightly Serious Least Serious	...5 ...4 ...3 ...2 ...1
002	From a scale of 1 to 5 (1 being the least serious and 5 being very serious) how would you rate your situation if one or some of your animals have an infection that cannot be treated with medicine?	Very Serious Serious Moderately Serious Slightly Serious Least Serious	...5 ...4 ...3 ...2 ...1

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003. The following statements are what other people feel about antibiotics and antimicrobials. Please rate your opinion on the following statements whether you: **1, Strongly disagree; 2, Disagree; 3, Neutral; 4, Agree; or, 5, Strongly Agree:**

Attitude Statements <sup>2</sup>	1	2	3	4	5
Antimicrobials such as antibiotics protect both humans and animals from diseases					
Antibiotics are important to improve animal production					
If I feel or see that the animals are healed after a few days, I stop giving antibiotics before completing the course of treatment. <sup>2</sup>					
I prefer to keep antibiotics at home in case there may be a need for the animals later. <sup>2</sup>					
It is good to be able to get antibiotics from relatives or friends without having to see a veterinarian. <sup>2</sup>					
I always complete the course of treatment with antibiotics even if I see that the animal is healed. <sup>2</sup>					
I prefer to be able to buy antibiotics from the Agrivet-dealers without a prescription. <sup>2</sup>					
If the animals get side effects during a course of antibiotics treatment you should stop giving them as soon as possible. <sup>2</sup>					

<sup>2</sup> Modified from Jifar and Ayele (2018)

### PRACTICE/BEHAVIOUR-RELATED QUESTIONS

001	When your animals are sick, what do you first do?	__ Assess animal's condition __ Consult with vet __ Assess animal's living space __ Treat with over-the-counter veterinary drugs __ Treat with traditional methods (e.g., use of natural remedies) __ Treat with antibiotics __ Others (please specify): _____	...0 ...1 ...2 ...3 ...4 ...5 ...6
002	Do you use antibiotics in your farm?	__ Yes __ No __ Don't know	...1 ...0 ...0
003	What are your reasons for using antibiotics in your farm? ( <b>Select all that apply</b> )	__ prevent sickness __ treat sick animals __ growth promotion __ Others ( <b>please specify</b> ): _____	...1 ...1 ...0 ...0
004	Have you used antibiotics to treat any	__ Highly Pathogenic Avian Influenza/Avian flu __ Foot and mouth disease	...1 ...1



	of the following diseases? ( <b>Select all that apply</b> )	<input type="checkbox"/> Classical swine fever <input type="checkbox"/> Newcastle disease <input type="checkbox"/> Others: _____	...1 ...1 ...1
<i>Administration: Prophylaxis, Metaphylaxis, Treatment, Biocidal)</i>			
005	When your animals are sick, you make sure to give antibiotics to:	<input type="checkbox"/> Just the animals that are sick <input type="checkbox"/> Both sick animals and all of the animals in close proximity to them <input type="checkbox"/> All animals in the farm <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...1 ...0 ...0 ...0
006	How do you use antibiotics in your farm?	<input type="checkbox"/> Mixed with feeds <input type="checkbox"/> Liquid mix <input type="checkbox"/> Injected <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...1 ...1 ...1 ...1
007	Usually, who administers the antibiotics to animals?	A. _____ B. _____	...1 ...1
008	How often do you use antimicrobials such as antibiotics in your farm?	<input type="checkbox"/> Everyday <input type="checkbox"/> At least once a week <input type="checkbox"/> At least once every two weeks <input type="checkbox"/> At least once a month <input type="checkbox"/> At least once every six months <input type="checkbox"/> At least once a year <input type="checkbox"/> Only when needed	...0 ...1 ...2 ...3 ...4 ...5 ...6
<i>Access Points</i>			
009	From whom did you learn about the use of antibiotics in farms? ( <b>Select all that apply</b> )	<input type="checkbox"/> Neighbors/Other farmers <input type="checkbox"/> Leaders in the community <input type="checkbox"/> Agri-supply agents/suppliers <input type="checkbox"/> Agricultural technicians/Government authorities <input type="checkbox"/> Veterinarian <input type="checkbox"/> Self-taught/Own research <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...1 ...1 ...1 ...1 ...1 ...1 ...1
010	Where do you get the antibiotics that you use in your farm? ( <b>Select all that apply</b> )	<input type="checkbox"/> From friends <input type="checkbox"/> Neighborhood store <input type="checkbox"/> Animal feed store <input type="checkbox"/> Animal pharmaceutical store <input type="checkbox"/> Human pharmacy <input type="checkbox"/> Others: ( <b>please specify</b> ) _____	...1 ...1 ...1 ...1 ...1 ...1
<i>Consultation with Veterinarian or other Animal Health Professionals</i>			
011	Do you usually get a professional advice before buying antibiotics for use in your farm?	<input type="checkbox"/> Yes <input type="checkbox"/> Sometimes <input type="checkbox"/> No	...1 ...1 ...0
012	Do you usually ask a veterinarian's prescription when you buy antibiotics for your farm?	<input type="checkbox"/> Yes ( <b>Go to 16</b> ) <input type="checkbox"/> Sometimes <input type="checkbox"/> No	...1 ...0 ...0

Non-use of Prescription			
013	Why do you not seek professional advice in buying antibiotics? (Select all that apply)	<input type="checkbox"/> It is easy to buy directly from the store <input type="checkbox"/> There is no veterinarian/para-veterinarian in my village <input type="checkbox"/> There are veterinarians/para-veterinarians but are hard to seek advice <input type="checkbox"/> I don't see the need for seeking advice <input type="checkbox"/> Others: (Please specify) _____	...1 ...1 ...1 ...1 ...1
014	When you decide to buy antibiotics without a veterinarian's prescription, which ones do you use?	A. _____ B. _____ C. _____ D. Can't remember	...1 ...1 ...1 ...0
015	How do you ensure the quality of antimicrobials such as antibiotics that you bought? (Select all that apply)	<input type="checkbox"/> Check expiry date <input type="checkbox"/> Make sure I got it from the pharmacy <input type="checkbox"/> I go for certain brands <input type="checkbox"/> I go for the seller's recommendations <input type="checkbox"/> I go for other's recommendations (family members, friends, neighbors, etc.) <input type="checkbox"/> None of the above	...1 ...1 ...1 ...1 ...1 ...0
Length of Administration			
016	When using antibiotics, how long do you use it in your farm?	<input type="checkbox"/> As prescribed or as per manufacturer's recommendations <input type="checkbox"/> More than what was prescribed or manufacturer's recommendations <input type="checkbox"/> Before the end of the prescribed course or manufacturer's recommendations <input type="checkbox"/> For as long as I feel suitable <input type="checkbox"/> Others: _____	...1 ...0 ...0 ...0 ...0
017	What records do you keep in managing your farm? (Please select all that apply)	<input type="checkbox"/> Vaccination record <input type="checkbox"/> Animal population <input type="checkbox"/> Antibiotics administered/used <input type="checkbox"/> Disinfectant records <input type="checkbox"/> Sales records <input type="checkbox"/> Others: _____	...1 ...1 ...1 ...1 ...1 ...1
Storage and Disposal			
018	Do you keep the excess antibiotics?	<input type="checkbox"/> Yes (Go to Q20) <input type="checkbox"/> No (Go to Q21)	...1 ...0
019	Please describe what you do with excess antibiotics (Select all that apply)	<input type="checkbox"/> Throw in the garbage <input type="checkbox"/> Flush in the toilet <input type="checkbox"/> Bury in the ground <input type="checkbox"/> Burn them <input type="checkbox"/> Give to my neighbors/other farmers <input type="checkbox"/> Keep them for future use <input type="checkbox"/> Others (please specify): _____	...1 ...1 ...1 ...1 ...0 ...0 ...1
020	How long do you keep excess antibiotics?	<input type="checkbox"/> 1-3 months <input type="checkbox"/> 4-6 months	...0 ...0

		<input type="checkbox"/> 7-12 months <input type="checkbox"/> More than 12 months <input type="checkbox"/> I don't keep excess antibiotics	...0 ...0 ...1
021	Where do you usually keep your antibiotics?	<input type="checkbox"/> Cool dry place <input type="checkbox"/> In the animal's living space <input type="checkbox"/> Under direct sunlight <input type="checkbox"/> Moist area <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...1 ...0 ...0 ...0 ...0
<i>Withdrawal Period for Antibiotics</i>			
022	How long do you stop using antibiotics before selling your animal or animal by-product?	<input type="checkbox"/> 1-15 days <input type="checkbox"/> 16-28 days <input type="checkbox"/> 29-60 days <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...0 ...1 ...2 ...3
023	What do you do with the meat of slaughtered sick animal?	<input type="checkbox"/> Bury properly <input type="checkbox"/> Burn the dead body <input type="checkbox"/> Sell the meat <input type="checkbox"/> Others ( <b>please specify</b> ): _____	...1 ...0 ...0 ...0
<i>Intention to use antibiotic alternatives and learn about antibiotics</i>			
001	If you're using antibiotics in your farm, would you be willing to use an alternative instead of antibiotics?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not sure	...1 ...0 ...0
002	If you're <b>NOT</b> using antibiotics in your farm, would you be willing to use antibiotics in the future to protect the health of your animals?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not sure	...1 ...0 ...0
003	Please rate your interest in learning more about antibiotics.	<input type="checkbox"/> Interested <input type="checkbox"/> Neutral <input type="checkbox"/> Not interested	...1 ...0 ...0

### POLICY, INFORMATION, AND SOCIO-CULTURAL ENVIRONMENT

001	Is there a national policy that specifies the operation of agricultural farms in your country?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	...1 ...0 ...0
002	Is there a local ordinance that regulates the operation of agricultural farms?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	...1 ...0 ...0
003	Is there a national policy governing sanitary practices	<input type="checkbox"/> Yes <input type="checkbox"/> No	...1 ...0

	of agricultural farms in your country?	<input type="checkbox"/> I don't know	...0
004	Is there a local ordinance governing sanitary practices of agricultural farms?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	...1 ...0 ...0
005	Is there sanitary officer/inspector in your area?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	...1 ...0 ...0
006	Does the sanitary inspector visit your farm?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	...1 ...0 ...0
007	How often does s/he visit your farm?	<input type="checkbox"/> Weekly <input type="checkbox"/> Twice a month <input type="checkbox"/> Once a month <input type="checkbox"/> Once every three months <input type="checkbox"/> Twice a year <input type="checkbox"/> Once a year <input type="checkbox"/> Never at all <input type="checkbox"/> Can't remember	...2 ...2 ...2 ...2 ...2 ...1 ...0 ...0
008	Can you describe your country's laws on using prescription veterinary drugs?	<input type="checkbox"/> Yes <input type="checkbox"/> No (Go to 10) <input type="checkbox"/> Don't know (Go to 10)	...1 ...0 ...0
009	If yes, please list down the laws you know or are familiar with:	a. _____ b. _____	...1 ...1
010	Can you describe your country's laws on dispensing/disposing veterinary drugs?	<input type="checkbox"/> Yes <input type="checkbox"/> No (Go to 12) <input type="checkbox"/> Don't know (Go to 12)	...1 ...0 ...0
011	If yes, please list down the laws you know or are familiar with:	a. _____ b. _____	...1 ...1
012	Have you heard about government programs on antimicrobial use in your community?	<input type="checkbox"/> Yes <input type="checkbox"/> No (Go to Q14) <input type="checkbox"/> Not sure (Go to Q14)	...1 ...0 ...0
013	Can you name these programs?	a. _____ b. _____ c. _____	...1 ...1 ...1
014	Have you been to a community assembly where antimicrobial use was discussed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't remember	...1 ...0 ...0
015	Based on what you heard, please recall the top three	a. _____ b. _____	...1 ...1

	messages that you got from the assembly.	c. _____	...1
016	Have you encountered information on anti-microbial use in the media?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't remember	...1 ...0 ...0
017	Please recall the top three messages that you got from the media.	a. _____ b. _____ c. _____	...1 ...1 ...1
018	Are you a member in farmer organizations in your community?	<input type="checkbox"/> Yes <input type="checkbox"/> No	...1 ...0
019	Do you join farmers' assemblies/seminars/field days/field school?	<input type="checkbox"/> All the time <input type="checkbox"/> Often <input type="checkbox"/> Rarely <input type="checkbox"/> Not at all	...2 ...1 ...0 ...0
020	Do you discuss farm management practices with other farmers?	<input type="checkbox"/> Yes <input type="checkbox"/> No	...1 ...0
021	Do you know of a farmer scientist or model farmer in your community?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know	...1 ...0 ...0

## COMMUNICATION PREFERENCES

### Communication preference questions

- Please rank your top three most preferred source of news (**Let respondent tell you the first three sources of entertainment. Rank in the table below**). Please indicate on average your time spent seeking entertainment your top three sources of news. (**Ask respondent how much time they spend for their top three sources. Complete table below**)

Source	Rank (1-3)	Average time (hours/per day)			
		Less than 1 hour	1-2 hours	2-4 hours	More than 4 hours
Television					
Radio					
Newspaper					
Internet					
Social media					
Others: _____					

2. Please rank your top three most preferred source of entertainment (**Let respondent tell you the first three sources of entertainment. Rank in the table below**). Please indicate on average your time spent seeking entertainment your top three sources of entertainment. (**Ask respondent how much time they spend for their top three sources. Complete table below**)

Source	Rank (1-3)	Average time (hours/per day)			
		Less than 1 hour	1-2 hours	2-4 hours	More than 4 hours
Television					
Radio					
Newspaper					
Internet					
Social media					
Others: _____					
003	Which media/informational sources do you usually seek information on animal health issues? ( <b>Select all that apply</b> )	___ Television ___ Radio ___ Internet ___ Social media ___ Animal health worker ___ Other: _____			
					...1 ...1 ...1 ...1 ...1 ...1
004	From the following list, rank the top three information materials you find most useful for providing information on animal health/farm issues.				
Source			Rank (1-3)		
Posters					
Leaflets					
Brochures					
Booklets					
Village/community billboards					
Others: _____					
Posters					
005	From whom do you prefer to learn about antimicrobial use and antimicrobial resistance?	___ Fellow farmers ___ Community leaders ___ Agricultural technicians of the government ___ Health authorities (i.e., veterinarians, medical doctors, etc.) ___ Agri-suppliers and agents ___ Others ( <b>please specify</b> ): _____			
					...0 ...1 ...2 ...3 ...4 ...5
	What do you want to know more about antimicrobial resistance and antimicrobial use?	a. _____ b. _____ c. _____			
					...1 ...1 ...1

-END-