

Supplementary file 1

English version Questionnaire

A questionnaire for acceptance of human papillomavirus vaccination and associated factors among parents of daughters in Gondar town, Northwest Ethiopia

Question	Response
Questioner number	
Name of Town	

Part one: Socio – demographic characteristics

S.No	Question	Response	Code
101	Sex	1 male 2 female	
102	Age(in year)	-----	
103	Marital status	1.Single 2 .Married 3 .Divorced 4 .Widowed 5.separeted	
104	Education status	1. can't read and write 2.only read and write 3.primary school 4. secondary school 5. Diploma 6.Degree and above	
106	Religion	1orthoox 2 Muslim 3 protestant 4 others -----	
107	Occupation	1 – civil servant 2 – self employed 3- merchant 4– Farmer 5 – House wife 7-others -----	
108	Address	1 – Urban 2 – Rural	
109	Number of children		
110	Number of daughter age 9-17		

Part 2. Economic /wealth status of urban participants

Code	Questions	Response	Skip
	How much your month salary		
	If your husband/wife civil servant how much his/her monthly salary in ETB		
201	Owner ship of the house	1. Private 2. Rented from individual 3. Other(specify)_____	
202	Number of rooms	_____ in number	
203	Main material of the dwelling floor	1. Earth / Soil 2. Dung 3. Cement 4. Ceramics 5. Carpet 6. Others (specify)_____	
204	Main material of the roof	1. Iron corrugated sheet 2. Thatch 3. Others (specify)_____	
205	Main material of the exterior walls	1. Stone with mud 2. Wood with mud 3. Stone with cement 4. Others (specify)_____	
206	Type of fuel mainly used for household cooking	1. Electricity 2. Charcoal 3. Wood 4. Animal dung 5. Others(specify)_____	
207	Is the cooking usually done in the house, in a separate building, or outdoors?	1. In a separate room used as kitchen 2. Elsewhere in the house 3. In a separate building 4. Outdoors 5. Other ( <i>specify</i> )_____	
208	Does any member of the household own any land that can be used for agriculture?	1. Yes 2. No _____ →	411
209	Ownership of the farm land (if the household doesn't have one of the two option, use 999)	1. Own, in hectares/gemed ____ 2. Rent, in hectares/gemed ____	
210	Annual total agricultural products (includes all items)	_____ kuintal	
211	Does your household have A. Electricity?  B. A Radio?	Yes      No  1          0	

	C. A Television?	1	0	
	D. A Non-mobile telephone?	1	0	
	E. A Refrigerator?	1	0	
	F. Table?	1	0	
	G. Chair?	1	0	
	H. A bed with cotton/spring mattress	1	0	
		1	0	
212	Does any member of your household own			
	A. A watch?	Yes	No	
		1	0	
	B. A mobile phone?			
		1	0	
	C. A bicycle?			
		1	0	
	D. A Bajaj?			
		1	0	
	E. Animal drawn cart?			
		1	0	
	F. Car?			
		1	0	
213	Does this household own any livestock, herds, other farm animals, or poultry?	1. Yes		
		2. No	—————→	415
214	How many of the following animals does the household have? (if the household does not have the listed animal use <b>999</b> )			
	A. Cattle, milk cows, bulls?	_____	in number	
	B. Horses, Donkeys, or mules?	_____	in number	
	C. Goats?	_____	in number	
	D. Sheep?	_____	in number	
	E. Chickens?	_____	in number	
	F. Beehives?	_____	in number	
415	Does any member of this household have a bank account?	1. Yes		
		2. No		

Income and wealth index question for rural			
	Ask the household if they have any of the following livestock assets	Do you have these animals 1. Yes 2. No	How many of these animals do this household currently own?
201	Plough oxen		
	Fattened ox		
	Cows		
	Heifer		
	Bull		
	Calf		
	Goats		
	Sheep		
	Donkey		
	Mule		
	Horse		
	Chicken		
	Beehive		
	Others specify		
202	Ask the household if they have any of the following crop production produced in the previous last years	1. Yes 2. No	If yes how much the amount in quintals
	Tefe		
	Barley		
	Wheat		
	Maize		
	Sorghum		
	Oats		
	Mixed of wheat and barley		
	Bean		
	Chickpea		
	Lentil		
	Soya bean		
	Carrot		
	Red onion		
	White onion		
	Potatoes		
	Head cabbage		
	Tomatoes		
	Avocado		
	Lemon		
	Zeytun		
	Mango		
	Orange		
	Papaya		
	Peper corn		
	Gesho		

	Sugar cane		
	Coffee		
	Chat		
	Others		
203	Dose the house hold have ?		How much the number
	1. Functioning radio/tape	1. Yes 2. No	
	2. Modern beds	1. Yes 2. No	
	3. Cotton /sponge/spring mattress?	1. Yes 2. No	
	4. Mobile /cell-phone/wireless	1. Yes 2. No	
	5. Water pump	1. Yes 2. No	
	6. Modern stoves	1. Yes 2. No	
	7. Other specify		
204	What kind of latrine dose your families have?	1. None 2. Traditional 3. VIP 4. Other (specify)--- ----	
205	What is the type of roof of the house?	1. Corrugated sheet 2. Thatch roof 3. Other (specify)	
206	How many rooms are used by this household for sleeping only?	Number of rooms---	
207	do you have kitchen	1. Yes 2. No	
208	Do you have separate rooms for cattle?	1. Yes 2. No	
209	What is the wall of your residence house made of?	1. Wooden structure 2. Mud 3. Other (specify)	
210	What is the total farm size holding of the household in hectares?	Size in hectares	
211	The amount of money deposited or saved in bank or other financial sector	In birr	

Part 3 Knowledge about cervical cancer and its risk factors			
301	HPV can cause cervical cancer?	1. Yes 2. No 3. I don't know	
302	HPV infections are preventable?	1. Yes 2. No 3. I don't know	
303	HPV is sexual transmitted disease?	1. Yes 2. No 3. I don't know	
304	Condom use can prevent HPV infection?	1. Yes 2. No 3. I don't know	
305	HPV last for years?	1. Yes 2. No 3. I don't know	
306	Cervical cancer is caused by persistent HPV infection?	1. Yes 2. No 3. I don't know	
307	HPV may infect both men and women?	1. Yes 2. No 3. I don't know	
308	Most HPV infection resolves spontaneously?	1. Yes 2. No 3. I don't know	
309	HPV can infect you without symptoms?	1. Yes 2. No 3. I don't know	
310	HPV can cause genital ulcer?	1. Yes 2. No 3. I don't know	
311	HPV can cause other anogenital cancer(penis, anus)	1. Yes 2. No 3. I don't know	
312	HPV vaccine prevents around 70% cervical cancer	1. Yes 2. No 3. I don't know	
313	Pap-smear can screen cervical cancer.	1. Yes 2. No 3. I don't know	
314	Pap-smear is very or relatively effective in screening cervical cancer.	1. Yes 2. No 3. I don't know	
315	Pap-smear should be done every 3 years.	1. Yes 2. No 3. I don't know	
316	Pap-smear can be done the age of 35 and above	1. Yes 2. No 3. I don't know	

Part 4: Attitude towards HPV infection			
401	Cervical cancer is a severe disease?	1. Yes 2. No	
402	Cervical cancer is preventable disease?	1. Yes 2. No	
403	Do you think your daughter is susceptible to HPV infection?	1. Yes 2. No	
404	HPV vaccine is helpful to prevent cervical cancer?	1. Yes 2. No	
405	Do you think HPV vaccine is safe?	1. Yes 2. No	
406	There is less risk involved in being vaccinated than in having HPV infection?	1. Yes 2. No	
407	HPV vaccine will not lead to complicated sexual activities	1. Yes 2. No	
408	Vaccinating your Daughter against HPV would not encourage them to become sexual active	1. Yes 2. No	
409	I would not want my children to be infected with HPV.	1. Yes 2. No	
410	I would have my children vaccinated against HPV if the vaccination is freely available.	1. Yes 2. No	
411	Information on HPV helps me to decide whether my children should be vaccinated against HPV.	1. Yes 2. No	

412	What do you think about the price of HPV vaccine	1. Fare price 2.expensive 3.very expensive	
-----	--	--	--

<b>Part 5. Information HPV vaccine</b>			
501	Do you hear about HPV infection before this study	1.yes 2.No	
502	Who told you about HPV?	1.friend 2-telvision 3- Social network /internet 4.nurses 5-Doctors 6-other	
503	What is your trusted source of information about HPV?	1. Health extension worker 2.News paper 3. Radio 4.Website 5.Televisision 6.Relative/friends/colleagues	

<b>Part 6. Acceptance of HPV vaccine</b>			
601	Are you willing to vaccinate your daughter for HPV vaccination which can protect against HPV infection?	1. Yes 2. No	

**Thank you**