## COMMUNITY-BASED INTERVENTION FOR CERVICAL CANCER SCREENING UPTAKE IN A SEMI-URBAN AREA OF POKHARA METROPOLITAN, NEPAL: A CLUSTER RANDOMIZED CONTROLLED TRIAL (COBIN-C)

	Participants identification num	aber	
LC	OCATION AND CONSENT		
	Location and date	Responses	Codes
1.	House GPS	GPS coordinates: N ° _ ' _ ''	I1
2.	Ward number		I2
3.	Interviewer ID		I3
4.	Date of completion of the interview		I4
<b>%</b>	XXXXX	XXXX	×
	Consent and name	Responses	Codes
5.	Consent has been read and obtained	No 0 Yes 1 If No stop here and write the reason for rejection  Reason:	15
6.	Time of beginning of interview in 24 hrs	Start : : : : : : : : : : : : : : : : : : :	I6
7.	Family surname (Both surname before and after marriage if applicable)		I7
8.	First name		I8
9.	Mobile and Landline phone number	Mobile Phone	I9
10.	Do you have any plans to move for study/marriage/employment from your current residence in the coming one year?	No 0 Yes 1	I10
11.	Would you like to participate in this intervention study?	No 0 Yes 1	I11

Record and file identification information (I5 to I11) separately from the completed questionnaire.

Participants identification number				
SOCIO DEMOGRAPHIC INFORMATION				
	Questions	Responses	Codes	
12.	What is your Date of Birth?	Day Month Years  B.S.  A.D.	C1	
13.	What is your age?	completed years	C2	
14.	How many years did you spend for formal education? (Don't count pre-primary education)	completed years	СЗ	
15.	What is the highest level of education you have completed?	No formal schooling 1 Less than primary school 2 Primary school completed 3 Secondary school completed 4 Higher secondary (10+2)/ PCL completed 5 Bachelor degree completed 6 Post graduate degree 7 Prefer not to answer 88		
16.	What is your ethnic background?	Dalit 1 Disadvantaged Janajatis 2 Disadvantaged non-dalit terai caste groups 3 Religious minorities 4 Relatively advantaged Janajatis 5 Upper caste groups 6 Prefer not to answer 88		
17.	What is your religion	Hindu 1 Buddhist 2 Christian 3 If others specify in C6 other	C6	
18.	What is your current marital status?	Others (specify)	other C7	
19.	How old were you when you (first) got married?	Age (write the completed years)	C8	
20.	Which of the following best describes your husband's main work status over the past 12 months?	Government employee 1 Non-government employee 2 Farmer/Agriculture 3	C9	

		Daily wage worker 4 Foreign employment 5 Business 6	
		Others 7 If others specify in C6 other	
		Prefer not to answer 88  Others (specify)	C9 other
21.	If you are married, Is your husband currently living with you or abroad?	Unmarried 1 Husband at home 2 Husband abroad 3 Other 4	C10
22.	Which of the following best describes your main work status over the past 12 months?	Homemaker 1 Government employee 2 Non-government employee 3 Farmer/Agriculture 4 Daily wage worker 5 Business 6 Others 7 If others specify in C11 other Prefer not to answer 88	C11
		Others (specify)	C11 other
23.	What is your approximate monthly income?	Daily Weekly Monthly	C12
		Prefer not to answer 88	
24.	What is your approximate family monthly income?	Daily	C13
		Prefer not to answer 88	

PR	PREGNANCY AND OTHER DISEASE RELATED QUESTIONNAIRE					
	Questions		Respo	nses		Codes
25.	Do you have any family member who suffered from any type of cancer?	Yes	type of		er 1 o 0	P1
26.	Are you diagnosed with any chronic diseases?  (Multiple choice)  (Read the response)	Hypertension COPD HIV/AIDS Cervical cancer	Yes 1 Yes 1 Yes 1 Yes 1 Yes 1	No No No No No	0 0 0 0 If 'Cervical cancer 0 pre-cancer /	/ P2
					note	

27.	How many times have you been pregnant?		P3
28.	Did you have any abortions, still births or miscarriages in the past?	MiscarriagesTimes Still birthsTimes AbortionsTimes	P4
29.	Are you pregnant now?	Yes	P5
30.	How old were you at the time of your first pregnancy?	Age (Write the completed year)  Don't know 66 Don't remember 77 Unmarried 55	P6
31.	How many children do you have now?	Zero 1 If the answer is zero Total children	P7
32.	What is the shortest birth interval between your children?  (Consider the shortest birth interval if she has more than two children)	(write the complete years)  Unmarried 55	P8
33.	Do you know what is?	Condom Yes 1 No 0 Pills / Nilocon Yes 1 No 0 Sangini Yes 1 No 0 IUD Yes 1 No 0 Implant /Norplant Yes 1 No 0 Withdrawal Yes 1 No 0 Rhythm method Yes 1 No 0	Р9
34.	Have you ever used?	Condom Yes 1 No 0 Pills / Nilocon Yes 1 No 0 Sangini Yes 1 No 0 IUD Yes 1 No 0 Implant /Norplant Yes 1 No 0 Withdrawal Yes 1 No 0 Rhythm method Yes 1 No 0	P10
35.	Among the devices / method used, which one is the latest?	Condom 1 Pills / Nilocon 2 Sangini 3 IUD 4 Implant /Norplant 5 Withdrawal 6 Rhythm method 7	P11

		Other 8		
36.	How many weeks earlier, you have used that device / method?		arlier	P12
37.		Yes	1	
	Do you smoke?	I was a previous smoker	2	P13
		No, I have never smoked	3	
38.	Do you use smokeless tobacco	Yes (specify)	1	
	products? (E.g. Surti, Khaini,	I used it earlier (specify)	2	P14
	Gutkha)	No I have never used	3	
39.		Yes, regularly	1	
	Do you drink alcohol?	Yes, occasionally	2	P15
	-	I used to drink earlier now stopped	3	P13
		Never	4	

H	EALTH-SEEKING BEHAVIOR		
	Questions	Responses	Codes
40.	What means of transportation do you use to the nearest health facility?	On foot 1 Bus 2 Motorbike 3 Others 4 Don't know 66 If others specify in H1 other	H1
		Others (specify)	other
41.	How long time does it take you to reach the nearest health facility from your house?	(in minutes)	H2
42.	Where do you usually go first if you are sick, or to treat a general health problem? (Check all that are mentioned)	Private clinic 1 Government clinic or hospital 2 Traditional healer 3 Clinic run by an NGO 4 Others 5 If others specify in H3 others	Н3
		Others (specify)	H3 other
43.	How often do you generally seek health care at a clinic or hospital in the last five years? (Check one.)	Twice a year or more 1 Once per year 2 Less than once a year but at least twice in past 5 yrs 3 Once in past 5 years 4 Never in past 5 years 5 Others 6 If other specific in H4 other	f <b>y</b>
		Others (specify)	other

K	NOWLEDGE RELATED QUESTION	KNOWLEDGE RELATED QUESTIONNAIRE ON CERVICAL CANCER			
	Questions	Responses	Codes		
44.	1. Have you ever heard about cervical cancer? Total score = 1	Yes 1 No 0 <b>If No [2] skip to KS1</b>	KC1		
45.	<ul><li>2. If yes, how did you come to know about cervical cancer?</li><li>(Multiple responses)</li><li>Total score =</li></ul>	Television 1 Radio 2 Newspaper 3 Health personnel 4 Relatives 5 Friends 6 FCHV 7 Others 8 If others specify in KC2 others	KC2		
		Others (specify)	KC2 others		
46.	3. What do you mean by cervical cancer?	Pain in cervix 1 Abnormal growth of the 2 cells of cervix Swelling in the cervix 3 4 Don't know 66	KC3		
		Others (specify)	KC3 others		
47.	4. Do you know the sign and symptoms of cervical cancer?	Yes 1 No 0 <b>If No [2] skip to KC6</b>	KC4		
48.	5. What are the signs and symptoms of cervical cancer? (Multiple responses)	No symptoms at early stage Blood spots or light bleeding between or following periods Bleeding after sexual intercourse Bleeding after menopause Pain during sexual intercourse Increased vaginal discharge  If others specify in KC5 others	KC5		
		Others (specify)	KC5 others		

			1
49.	6. In your opinion, what are the risk factors for cervical cancer? (Multiple responses)	Human papillomavirus (HPV)  Smoking  Early marriage  Having many children  Having many sexual partners  Alcoholic drinks  Long-term oral contraceptive use  Low socio-economic status  I tothers specify  in KC5 others	KC6
		Others (specify)	KC6 others
50.	7. Have you heard about Human Papilloma Virus infection?	Yes 1 No 2 <b>If No [2] skip to KC9</b>	KC7
51.	8. If Yes, tell me how is Human Papilloma Virus transmitted?	Air pollution 1 Water pollution 2 Sexual contact 3 Others 4 If others specify in KC8 others	KC8
		Others (specify)	others
52.	<ul><li>9. How can cervical cancer be prevented?</li><li>(Multiple responses)</li></ul>	Avoiding multiple sexual partners Avoiding multiple pregnancies 2 Avoiding early marriage 3 Avoiding early sexual exposure 4 Maintaining personal hygiene 5 Avoiding long term oral contraceptive use Early treatment of STI Regular cervical screening 8If others specify in KC9 others  Don't know 66	KC9
		Others (specify)	KC9 others
53.	10. Have you ever heard about the vaccine that may prevent cervical cancer?	Yes 1 No 0 If No [2] skip to KS1	KC10
54.	11. Do you know when the best time to vaccinate against HPV is?  At a young age (9-13 years) Reference age from the pilot program in Chitwan and Kaski.	At a young age (9-13 years) 1 Before first sexual contact 2 After first sexual contact 3 After first childbirth 4 At any time 5 Others 6 If others specify in KC9 others  Don't know 66  Others (specify)	KC11 KC11 others

KN	OWLEDGE RELATED QUESTIO	NNAIRE ON SCREENING	
	Questions	Responses	Codes
55.	12. Have you ever heard about cervical cancer screening using Visual Inspection with acetic acid (VIA)?	Yes 0 If No [2] skip to AC1	KS1
56.	13. If yes, how did you hear or know about VIA?	Television 1 Radio 2 Newspaper 3 Health personnel 4 Relatives 5 Friends 6 FCHV 7 Others 8 If others specify in KS2 others	KS2
		Others (specify)	others
57.	14. Do you know when the best time to perform VIA is?	15-49 years old 1 60-80 years old 2 30-60 years old 3 Others 4 Don't know 66	KS3
		Others (specify)	KS3 others
58.	15. Do you know how frequently a woman should have VIA performed?	Once 30 years old, every 3-5 years 1  Every 3 years 2  Every 5 years 3  Once in a lifetime, at any age 4  When gynecological symptoms appear 5  Every 6 months 6  Others 7  Don't know 66	KS4
		Others (specify)	KS4 others
59.	16. Have you ever heard about any other methods of cervical cancer	Pap test 1 HPV test 2 Others 3 If others specify in KS5 others No 4	KS5
	screening? (Multiple responses)	Others (specify)	KS5 others

A'	ITITUDE				
	Statement on Attitude towards cervical cancer screening	Strongly Disagree	Un decided	Strongly agree	Code
60.	Many women are suffering from cervical cancer in Nepal.				AC1
61.	Cervical cancer is a potentially fatal disease.				AC2

62.	Any adult women can acquire cervical cancer.	AC3
63.	Cervical cancer can be detected early through various screening method.	AC4
64.	Screening helps in prevention of cervical cancer.	AC5
65.	Screening causes no harm to the client.	AC6
66.	I will go for screening if it is free of cost.	AC7
67.	HPV vaccination can prevent cervical cancer.	AC8
68.	I will recommend HPV vaccination for my daughters / young girls if it is free of cost.	AC9
69.	I would collect a sample by myself to test for cervical cancer either at a health-care clinic or in home, if I am given instructions on how to collect the sample.	AC10

## I. CERVICAL CANCER SCREENING PRACTICE

	Questions	Responses	Codes
70.	Has a health-care worker ever tested you for cervical cancer?	Yes 1 No 0 If No [0] skip to SP15  (Do not read) Don't know 66  (Do not read) Prefer not to answer 88	SP1
71.	If screened, do you have the screening report?	Yes, showed screening report 1 Yes, did not show screening report 2  No 0	SP2
72.	If yes, who suggested you to go for cervical cancer screening?	Husband 1 If Husband [1] skip to SP5 Health worker 2 Family member 3 Relatives 4 Yourself 5 Friends 6 FCHV 7 Mothers group 8  If others specify in SP3 others	SP3
		Others (specify)	SP3 others
73.	Did your husband support your cervical cancer screening?	Yes 1 No 0 Did not say anything 3 Did not ask husband 4  Prefer not to answer 88	SP4

74.	How regularly is your cervical cancer screening (VIA/Pap test/HPV test) done?	Every 2 years 1 Every 3 years 2 Every 5 years or more 3 Not regularly 4 Others 5  If others specify in SP5 others	SP5
		Others (specify)	SP5 others
75.	At what age, where you first screened for cervical cancer?	Age  (Do not read) Don't know 66  (Do not read) Prefer not to answer 88	SP6
76.	When was your last cervical cancer screening done?	Less than 1 year ago 1 1-2 years ago 2 3-5 years ago 3 More than 5 years ago 4 Others 5 If others specify in (Do not read) Don't know SP5 others (Do not read) Refused 66	SP7
		Part of routine examination 1	others
77.	What is the MAIN reason for you getting your last cervical cancer screening? (check only one)	Follow up on abnormal/inconclusive result 2 Recommended by health-care provider 3 Recommended by other source freinds & 4 neighbors Experiencing pain or other symptoms 5 Others 6	SP8
		Others (specify)	SP8
78.	Where did you receive your last test for cervical cancer?	Private clinic 1 Government clinic or hospital 2 Community hospital or health institution 3 Clinic run by an NGO 4 Health camp 5 Traditional healer 6 Others 7 If others specify in SP9 others	SP9
		Others (specify)	SP9 others

79.	What was the result of your last test for cervical cancer?	Did not receive result  Normal/negative  Abnormal/positive  Suspect cancer  Inconclusive  (Do not read) Don't know  (Do not read) Prefer not to answer  Normal/positive  1 If [1] skip to SS1  2  Abnormal/positive  5  (Do not read) 88	SP10
80.	Did you have any follow-up visits because of your last test result?	Yes 1 No 2 (Do not read) Don't know 66 (Do not read) Prefer not to answer 88	SP11
81.	Did you receive any treatment of your cervix because of your last test result?	Yes 1 No 2 If No [2] skip to SP14  (Do not read) Don't know 66 (Do not read) Prefer not to answer 88  If [66] or [88] skip to SS1	SP12
82.	Did you receive the treatment of your cervix during the same visit as your last test for cervical cancer?	Yes 1 If [1] skip to SS1 No 2  (Do not read) Don't know 66 (Do not read) Prefer not to answer 88  If [66] or [88] skip to SS1	SP13
83.	What is the MAIN reason you did not receive treatment as a result of your last test result? (check only one)  Skip to SS1 after this question	Others (specify)	SP14 others
84.	What is the MAIN reason for not receiving cervical cancer screening?	Lack of knowledge about VIA 1 Embarrassing 2 Economic constraint 3 No symptoms/not feeling any discomfort 4 Afraid of the result 5	SP15

		Discouraged by husband or other 6 Do not like the attitude of medical professionals 7 Don't trust the test results 8 No access to health facility where the VIA is 9 done  Busy no time 10 Hesitation as health worker is a relative 11 Screening conducted by a male doctor 12 Did not screen due to personal reasons 13 Do not feel screening is necessary 14 Do not care any consequences from not screening 15 Believe in household herbs than screening 16  If ot spe	ecify in 5	
		Others (specify)		SP15 others
85.	When was the last time you had a gynecological exam done?		others cify in 6 ers	SP16
		Others (specify)		SP16 others

SIGN AND SYMPTOMS					
	Questions	R	espo	nses	Codes
86.	During the last 12 months, did you ever experience pain in your lower	Yes	1	1	SS1
80.	abdomen? (except during menstrual	No	0	If No [2] skip to SS3	331
	period)	Prefer not to answer	88		
	If yes, how much did/does this	Somewhat	1		
87.	<u> </u>	Quite a bit/frequently	2		SS2
	bother you?	Daily	3		
		Yes	1		
88.	Do you usually experience pain in			1	SS3
00.	the pelvic area?	No	0	If No [2] skip to SS5	333
		Prefer not to answer	88	3 ]	

89.	If yes, how much does this bother you?	Somewhat 1 Quite a bit/frequently 2 Daily 3	SS4
90.	In the last 12 months, have you experienced foul-smelling genital discharge?	Yes 1 No 0 Prefer not to answer 88	SS5
91.	In the last 12 months, have you experienced unusual bleeding from your vagina?	Yes 1  No 0  Prefer not to answer $88$ If No [2] skip to SSM1	SS6
92.	Where did you go for checkup when you experienced these symptoms?	Private clinic 1 Government clinic or hospital 2 Traditional healer 3 Clinic run by an NGO 4 Others 5  If others specify in SS7 others  Others (specify)	SS7 others

SIC	SIGN AND SYMPTOMS (FOR MARRIED WOMEN)				
Questions		Responses		Codes	
	Do you experience difficulties or	Yes	1		
93.	pain while having sex?	No	0 If No [2] or Prefer not to	SSM1	
		Prefer not to answer	88 Janswer skip to SSM3		
	If yes, how much does this bother	Somewhat	1		
94.	you?	Quite a bit/frequently	2	SSM2	
	you:	Daily	3		
		Yes	1		
95.	Do you experience bleeding while		1	SSM3	
93.	having sex?	No	0 If No [2] or Prefer not to	221/12	
		Prefer not to answer	88 answer skip to MS1		
96.	If was have much does this bother	Somewhat	1		
	If yes, how much does this bother	Quite a bit/frequently	2	SSM4	
	you?	Daily	3		

S	exual activity			
Questions		Response	Code	
97.	How old were you when you had sexual intercourse for the very first time?	years Don't know Prefer not to answer	66 88	MS1
98.	What was this person's relationship to you?	Friend Husband Boy friend Others	1 2 3 4 If others skip to MS2 others	MS2
		Prefer not to answer Others (specify)	88	MS2 other
99.	When was the last time you had sexual intercourse?		00	MS3
100	What was this person's relationship to you?	Prefer not to answer  Friend Husband Boy friend Others  Prefer not to answer  Others (specify)	88  1 2 3 4 If others skip to MS4 others  88	MS4 others
101	Apart from this person, have you had sexual intercourse with any other person in the last 12 months?	Yes 1 No 0		MS5
102	In total, with how many different people have you had sexual intercourse in your lifetime.	None 1 One 2 Two 3 More than two 4 Prefer not to answer 88		MS6