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APPENDICES

Appendix A: Frequency and percentage of respondents' attitudes toward Commune Health Center

N=400

Statements	S t r o n g disagree		Disagree		Agree		Strong agree	
	N	%	N	%	N	%	N	%
1. There are qualified health staff at CHC	-		1	.3	310	77.7	88	22.1
2. Health staff treat patients with respect/courtesy	-		1	.3	275	68.8	124	31.0
3. Health staff do not give you information/ counseling on the methods use (how to use, side effect, complication)	209	52.3	188	47.0	3	.8	-	
4. Health staff spend enough time to listen your problem	-		2	.5	276	69.0	121	30.3
5. The health staff suggest what you should do to resolve the problem	-		1	.3	289	72.3	107	26.8
6. Health staff do not offer good advice/treatment	163	40.8	222	55.5	11	2.8	-	
7. Waiting time is acceptable	1	.3	3	.8	304	76.0	92	23.0
8. HC provide adequate privacy examination room (no one can see)	1	.3	3	.8	237	59.3	159	39.8
9. You feel comfortable to ask questions	1	.3	2	.5	277	69.3	119	29.8

Statements	S t r o n g disagree		Disagree		Agree		Strong agree	
	N	%	N	%	N	%	N	%
10. It is convenient to go to CHC	1	.3	2	.5	277	69.3	120	30.0
11. The cost of services in CHC is acceptable	1	.3	1	.3	290	72.9	106	26.6
12. The price of drug in CHC is acceptable	1	.3	9	2.3	300	75.0	90	22.5
13. Health center is not clean	199	49.8	201	50.3	-	-	-	-
14. Health center is provided with adequate electricity, and water	-	-	3	.8	242	60.5	155	38.8

Appendix B: Association between Socio-Demographic and Contraceptives Use

Variable	Use		Not use		χ^2	P-value
	N	%	N	%		
Age in year						
15 - 24 years	38	61.3	24	38.7		
25 - 34 years	132	85.7	22	14.3		
34 - 49 years	167	90.8	17	9.2		
Total	337	84.3	63	15.8	30.75	.000
Education						
Low level	293	84.0	56	16.0		
Higher level	44	86.3	7	13.7		
Total	337	84.3	63	15.8	.181	.671
Occupation						
Farmer	288	83.0	59	17.0		
Employee	39	92.9	3	7.1		
Business own	10	90.9	1	9.1		
Total	337	84.3	63	15.8	3.12	.210
Income						
Less than 100,000 VND	184	80.3	45	19.7		
100,000 - 200,000 VND	111	91.7	10	8.3		
More than 200,000 VND	40	83.3	8	16.7		
Missing	2					
Total	337	84.3	63	15.8	7.73	.021

Variable	Use		Not use		χ^2	P-value
	N	%	N	%		
Fertility						
Have children	336	86.2	54	13.8		
Have not children yet	1	10.0	9	90.0		
Total	337	84.3	63	15.8		.000
Number of children						
Group 1 (have no children)	1	10.0	9	90.0		
Group 2 (1-2 children)	171	81.8	38	18.2		
Group 3 (3-4 children)	129	89.0	16	11.0		
Group 4 (5-8 children)	36	100	-	-		
Total	337	84.3	63	15.8	51.63	.000

Appendix C: Association between Socio-demographic and Methods Used

Variable	Modern methods		Traditional methods		χ^2	P-value
	N	%	N	%		
Age in year						
15 - 24 years	28	73.7	10	26.3		
25- 34 years	117	88.6	15	11.4		
35-49 years	154	92.2	13	7.8		
Total	299	88.7	38	11.3	10.62	.005
Education						
Low level	257	87.7	36	12.3		
Higher level	42	95.5	2	4.5		
Total	299	88.7	38	11.3		.198*
Occupation						
Employee	37	94.9	2	5.1		
Farmer and Business own	262	87.9	36	12.1		
Total	299	88.7	38	11.3		.283*
Income						
Less than 100,000 VND	158	85.9	26	14.1		
100,000 - 200,000 VND	101	91.0	10	9.0		
More than 200,000 VND	38	95.0	2	5.0		
Missing	2					
Total	299	88.7	38	11.3	3.62	.163*

Variable	Modern methods		Traditional methods		χ^2	P-value
	N	%	N	%		
Fertility						
Have children	299	89.0	37	11.0		
Have not children yet	-	-	1	100		
Total	299	88.7	38	11.3		.113*
Number of children						
Group (non-2 children)	150	87.2	22	12.8		
Group(more than 2 children)	149	90.3	16	9.7		
Total	299	88.7	38	11.3		.394

Appendix D: Association between Socio-demographic and Facilities Used

Variable	Commune Health Center		Other facilities		χ^2	P-value
	N	%	N	%		
	Age in year					
15 - 24 years	21	75.0	7	25.0		
25- 34 years	96	82.1	21	17.9		
35-49 years	95	61.7	59	38.3		
Total	212	70.9	87	29.1	13.61	.001
Education						
Low level	177	68.9	80	31.1		
Higher level	35	83.3	7	16.7		
Total	212	70.9	87	29.1	3.66	.056
Occupation						
Farmer	175	69.4	77	30.6		
Employee	31	83.8	6	16.2		
Business own	6	60.0	4	40.0		
Total	212	70.9	87	29.1	3.81	.149
Income						
Less than 100,000 VND	105	66.5	53	33.5		
100,000 - 200,000 VND	75	74.3	26	25.7		
More than 200,000 VND	30	78.9	8	21.1		
Total	212	70.9	87	21.9	3.23	.198

Variable	Commune Health Center		Other facilities		χ^2	P-value
	N	%	N	%		
	Fertility					
Group 1 (0-2 children)	118	78.7	32	21.3		
Group 3 (3-4 children)	80	69.9	36	31.0		
Group 4 (5-8) children	14	42.4	19	57.6		
Total	212	70.9	87	29.1	17.56	.000

Appendix E: Association between Communication about Contraceptives and Contraceptives Use

Variable	Use		Not use		P-value
	N	%	N	%	
Which whom did you discuss about contraceptives?					
1. Your husband					
Yes	335	85.0	59	15.0	
No	2	33.3	4	66.7	
Total	337	84.3	63	15.8	.007
2. Your mother in-law					
Yes	13	56.5	10	43.5	
No	324	85.9	53	14.1	
Total	337	84.3	63	15.8	.001*
3. Your mother					
Yes	3	33.3	6	66.7	
No	334	85.4	57	14.6	
Total	337	84.3	63	15.8	.001*
4. Your friend					
Yes	1	33.3	2	66.7	
No	336	84.7	61	15.4	
Total	337	84.3	63	15.8	.066

APPENDIX F. Questionnaire

Please fill in or tick appropriate box for respondent's answer

ID:

1 Age in years

- | | |
|--------------------------|--------------|
| <input type="checkbox"/> | (1) 15 to 19 |
| <input type="checkbox"/> | (2) 20 to 24 |
| <input type="checkbox"/> | (3) 25 to 29 |
| <input type="checkbox"/> | (4) 30 to 34 |
| <input type="checkbox"/> | (5) 35 to 39 |
| <input type="checkbox"/> | (6) 40 to 44 |
| <input type="checkbox"/> | (7) 45 to 49 |

2 Education

- | | |
|--------------------------|----------------------|
| <input type="checkbox"/> | (1) Non (illiterate) |
| <input type="checkbox"/> | (2) Primary school |
| <input type="checkbox"/> | (3) Secondary school |
| <input type="checkbox"/> | (4) High school |
| <input type="checkbox"/> | (5) Higher education |

3 Occupation

- | | |
|--------------------------|------------------|
| <input type="checkbox"/> | (1) Farmer |
| <input type="checkbox"/> | (2) Employee |
| <input type="checkbox"/> | (3) Own business |
| <input type="checkbox"/> | (4) Other |

4 Average monthly family income per person in VND

- | | |
|--------------------------|---------------------------------|
| <input type="checkbox"/> | (1) Less than 100,000 VND |
| <input type="checkbox"/> | (2) From 100,000 to 200,000 VND |
| <input type="checkbox"/> | (3) More than 200,000 VND |

5 Did you have children?

- | | |
|--------------------------|---------|
| <input type="checkbox"/> | (1) Yes |
| <input type="checkbox"/> | (2) No |

6 If yes, how many sons and daughters do you have? (only include surviving children)

- | | |
|--------------------------|-------------------------|
| <input type="checkbox"/> | (1) Number of sons |
| <input type="checkbox"/> | (2) Number of daughters |

7 Do you intend to have baby in the near future?

- (1) Yes
 (2) No
 (3) Not decided

8 Have you heard of contraceptives?

- (1) Yes
 (2) No

9 If not, why ?.....

10 If yes, how did you get information? (you can chose more than one answer)

- (1) Commune radio
 (2) Newspaper/TV
 (3) Relative
 (4) Friend
 (5) Health workers/ motivators
 (6) Others (specify)

11 Do you think contraceptives are useful?

- (1) Yes
 (2) No

12 With whom did you discuss about contraceptive use? (you can chose more than one answer)

- (1) Your husband
 (2) Your mother in law
 (3) Your mother
 (4) Your friend
 (5) Others (specify)

13 Are you currently using any contraceptive method?

- (1) Yes (proceed with question 14)
 (2) No (go to question 22)

14 If yes, why do you use contraceptive? (you can chose more than one answer)

- (1) To prevent pregnancy
 (2) To delay pregnancy
 (3) To protect my health
 (4) To improve quality of life of the family
 (5) Other (specify)

15 What kind of method do you use?

- | | |
|--------------------------|--------------------------------|
| <input type="checkbox"/> | (1) Intra-Uterine devices(IUD) |
| <input type="checkbox"/> | (2) Female sterilization |
| <input type="checkbox"/> | (3) Male sterilization |
| <input type="checkbox"/> | (4) Condom |
| <input type="checkbox"/> | (5) Oral pill |
| <input type="checkbox"/> | (6) Withdrawal |
| <input type="checkbox"/> | (7) Periodic abstinence |
| <input type="checkbox"/> | (8) Contraceptive injection |
| <input type="checkbox"/> | (9) Norplant |
| <input type="checkbox"/> | (10) Others (specify) |

16 Where did you last obtain this method

- | | |
|--------------------------|---------------------------|
| <input type="checkbox"/> | (1) Commune health center |
| <input type="checkbox"/> | (2) Private clinic |
| <input type="checkbox"/> | (3) District hospital |
| <input type="checkbox"/> | (4) Polyclinic |
| <input type="checkbox"/> | (5) Provincial hospital |
| <input type="checkbox"/> | (6) Drug store |
| <input type="checkbox"/> | (7) Others (specify) |

17 Why do you go there? (You can chose more than one answer)

- | | |
|--------------------------|---------------------------------------|
| <input type="checkbox"/> | (1) Friendly caring staffs |
| <input type="checkbox"/> | (2) Short waiting time |
| <input type="checkbox"/> | (3) Good services |
| <input type="checkbox"/> | (4) Privacy |
| <input type="checkbox"/> | (5) Close to home |
| <input type="checkbox"/> | (6) Low cost |
| <input type="checkbox"/> | (7) Free of charge for contraceptives |
| <input type="checkbox"/> | (8) Others (specify) |

18 Do health staffs introduce you different methods of contraceptive such as oral pills, condoms, IUD, contraceptive injection, female sterilization, Norplant?

- | | |
|--------------------------|---------|
| <input type="checkbox"/> | (1) Yes |
| <input type="checkbox"/> | (2) No |

19 Who decide the type of contraceptive methods for you?

- | | |
|--------------------------|-----------------------|
| <input type="checkbox"/> | (1) Yourself |
| <input type="checkbox"/> | (2) Your husband |
| <input type="checkbox"/> | (3) Health staffs |
| <input type="checkbox"/> | (4) Others (specify) |

20 Did you have to pay for this contraceptive method?

- | | |
|--------------------------|---------|
| <input type="checkbox"/> | (1) Yes |
| <input type="checkbox"/> | (2) No |

21 What kind of method do you pay for? (you can chose more than one answer)

- (1) Oral pill
- (2) Intra-Uterine devices(IUD)
- (3) Condom
- (4) Female sterilization
- (5) Drug for extra treatment such as reproductive tract infection...
- (6) Under-table payment for contraceptive services
- (7) Others (specify)

22 If no, why are you currently not using any contraceptive method? (you can choose more than one answer)

- (1) No/ little sexual activity/ husband away
- (2) Husband opposed
- (3) Lack of information/ counseling about contraceptives
- (4) Lack of time go to services
- (5) House far from health facilities
- (6) Can not afford for family planning services
- (7) Side effect/ pain/ harm
- (8) Lack of family planning worker at commune
- (9) Want to have baby
- (10) Others (specify)

23 If you would use later on, what kind of method would you use?

- (1) Oral pill
- (2) Intra-Uterine devices(IUD)
- (3) Condom
- (4) Contraceptive injection
- (5) Female sterilization
- (6) Norplant
- (7) Withdrawal
- (8) Periodic abstinence
- (9) Others (specify)

24 In the past five year, have you ever had an unwanted pregnancy? (for both who are using and not using contraceptive methods)

- (1) Yes
- (2) No

25 If yes, how many time?

- (1) One
- (2) Two
- (3) More than two

26 Have you had an abortion or menstrual regulation in the past five years?

- (1) Yes
- (2) No

27 If yes, how many time?

(1) One

(2) Two

(3) More than two

Attitude of client towards contraceptive services at commune health center (CHC)

1= Strong disagree

3= Agree

2= Disagree

4= Strong agree

	Statement	1	2	3	4
28	There are qualified health staff at CHC				
29	Health staff treat patients with respect/courtesy				
30	Health staff do not give you information/ counseling on the methods use (how to use, side effect, complication)				
31	Health staff spend enough time to listen your problem				
32	The health staff suggest what you should do to resolve the problem				
33	Health staff do not offer good advice/treatment				
34	Waiting time is acceptable				
35	HC provide adequate privacy examination room (no one can see)				
36	You feel comfortable to ask questions				
37	It is inconvenient to go to CHC				
38	The cost of services in CHC is acceptable				
39	The price of medicine in CHC is acceptable				
40	Health center is not clean				
41	Health center is provided with adequate electricity, and water				

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