

## Health promotion for healthy diet and physical activity and its impact on cardiovascular health: A community-based trial among young mothers in a semiurban community of Nepal

**Questionnaire (baseline survey)** 

#### I. Basic information

SN	Question	Answer	Code
1	Serial Number of the respondent		
2	Village	1. Duwakot 2. Jhaukhel	
3	Ward no.		
4	Street/Tole		
5	House no		
6	Phone number		
7	Name of the head of household		
8	Husband's name		
9	How many persons (adults and children) live permanently (6 months or more) in your household?	persons	
10	How many children aged less than 15 years (including responding child live permanently in your household?	children	

#### II. Demographic information

A. Respondent's (mother's) information

Now I am going to ask you some information about yourself.



SN	Question	Answer	Code
11	Name of the respondent		
10	What is your year of hirth?		
12	What is your year of birth?		
13	Relation to the head of household	1. Head     2. Wife     3. Mother-in-law     4. Mother     5. Daughter-in-law     6. Other (specify)	
14	What is your religion?	1. Hindu         2. Buddhism         3. Christian         4. Islam         5. Others (Specify)	
15	What is your ethnicity?	1. Newar         2. Hill Brahmin         3. Chhetri         4. Tamang         5. Dalit         6. Thakuri         7. Magar         8. Rai         9. Others( Specify)	
16	What is the highest level of education you have completed?	<ol> <li>Cannot read and write</li> <li>No formal schooling but can read and write</li> <li>Less than primary school (&lt;1 class)</li> <li>Primary school (class 3) completed</li> <li>Secondary school (class 10) completed</li> <li>High school (certificate /+2) completed</li> <li>Graduation(bachelor) completed</li> <li>Post graduate (masters) degree</li> <li>PhD level</li> </ol>	
17	What is your main occupation?	<ol> <li>Agriculture</li> <li>Government employee</li> <li>Labor</li> <li>Student</li> <li>Own business/sale</li> <li>Housewife</li> </ol>	



		7. Private company
		Others (specify)
18	Do you work now?	1. Yes
		i. How long you are stay outside home every
		day(except weekend)? hours
		2. No
19	What is your marital status?	1. Married
	-	2. Separated
		3. Divorced
		4. Widow
		5. Unmarried
20	What type of family do you	1. Nuclear
	have?	2. Joint
21	During the previous year, what	
	was the household's average	NRs
	month income?	
22	What is your husband's main	1. Agriculture
	occupation?	2. Government employee
	_	3. Labor
		4. Student
		5. Own business/sale
		6. Private company
		7. Retired
		8. Others (specify)
	·	

# B. Children's information

Now I am going to ask you some information about your children.

SN	Question	Answer	Code
23	How many children aged		
	1 to 7 do you have?		
	(Write number in the square)		
24	Children information		



	(aged 1-7 yr)	1. 1.1.Name         1.2. Year and month of birth
		1.3. Sex     1.4. Class completed
		2. 2.1. Name
		3. 3.1. Name         3.2. Year and month of         birth         3.3. Sex         3.4. Class completed
25	Who does take care of your child most of the time? (Do not read all options to the respondent. Ask question and wait for an answer. Put number in the bracket	1. Mother and father         2. Mother         3. Father         4. Grandparents         5. Other relatives         6. Caretaker         7. Others( specify)
	accordingly)	

#### III. Knowledge of the mother

A. Diet

I am going to ask you now some questions regarding food and your dietary habits.

SN	Question	Answer	Code
26	What do you consider to be	Answer	
	a healthy dietary habit for	1. Large quantity of food	
	you?	2. Lot of fresh food	
	(yes/ no response for each)	<i>3.</i> Large variety of food	
	(Read each option to the	4. Eating hygienic food	



		15. Traditional sweets (Sel, malpwa,
		14. Chiura
		13. Roti, vegetables
		12. Wai-wai soup
		11. Meat thukpa
		10. Rice, vegetables, dal
		9. Chips, kurkure
		8. Jam, Desserts
	the box)	7. Doughnuts, cookies, candies
	"N" according answer in	6. Fruits
	answer yes/no. Put "Y" and	coca-cola, pepsi etc)
	(Read each option to the respondent and ask her to	5. Sweetened soft drinks (Fanta,
		4. Sausage, hamburgers, pizza
	(yes/ no response for each)	3. Deep fried vegetables
	and what is not?	2. All food which is available
	examples of food. What do you think is healthy food	1. Salad
27	I will give you some	Answer
		10. Lot of fruit/ fresh juice
		9. Using less fat in cooking
		8. Eating smaller portions
		7. Lot of vegetables
		6. Less sugar/sugary foods
	the box)	and not snacking in between
	answer yes/no. Put "Y" and "N" according answer in	5. Eating main meals regularly
	respondent and ask her to	irrespective of the content



	unhealthy diet? Answer "Yes" or "No" for each condition. Do you know health risk associated with unhealthy food? (Yes/No response for each) (Read each option to the respondent and ask her to answer yes/no. Put "Y" and "N" according answer in the box)	<ul> <li>4. Leprosy</li> <li>5. Heart diseases</li> <li>6. High blood pressure</li> <li>7. Rabies</li> <li>8. Malaria</li> <li>9. HIV/AIDS</li> <li>10. Cancer</li> </ul>	
29	Do you think that food we eat affect our heart? (Ask question and wait for answer. If it is difficult for respondent to respond read the given options)	1. Yes         2. No         3. Have not thought about it         4. I don't care         5. I don't know         6. Others (specify)	
30	What is junk food? (Ask respondent to give any 3 statements regarding junk food. It maybe food examples or some characteristic)		
31	Do you think your family consumes healthy food at home?	<ol> <li>Very healthy</li> <li>Quite healthy</li> <li>Not very healthy</li> <li>Very unhealthy</li> <li>Don't know</li> </ol>	



### 32. Healthy diet should contain:

*I am going to ask your opinion regarding role of different food components for health. What amount (high or low) of each component should be present in healthy diet?* 

	Items	A. High content	B. Low content	C. Amount is not important for health	D. Don't know	Code
32.1	Salt					
32.2	Sugar					
32.3	Grain foods					
32.4	Fruits					
32.5	Vegetables					
32.6	Fat					

### B. Physical activity

Now I am going to ask you what you know about physical activity.

SN	Question	Answer		Code
33	What is the role of physical activity for health? Ask respondent to give any for statements according her understanding.	1.		
34	What are the effects of physical activity on our health? (Yes/No response for	<ol> <li>Improve physical health</li> <li>Deteriorate our physical health</li> <li>Improve mental health</li> </ol>	Answer	
	each) (Read each option to the respondent and ask her to answer yes/no. Put "Y" and "N" according answer in the box)	<ol> <li>4. Help fight with diseases</li> <li>5. Cause injuries</li> <li>6. Cause depression and frustration</li> <li>7. Bad for the heart</li> <li>8. Help us to look better</li> </ol>		



9. Help avoid injuries	
10. Nothing/none/no effect	
(If answer is Yes, go to Q.35	

35. What is the role of physical activity in the developing of the following diseases?

I will now give you examples of some diseases. Please tell me do you think physical activity is important in developing those diseases or not.

Put tick  $(\sqrt{})$  in the appropriate box.

Condition	A. Important	B. Not important	C. Don't know	
	_	_		Code
35.1 Diabetes				
35.2 Cancer				
35.3 HIV/AIDS				
35.4 Gastritis				
35.5 Obesity				
35.6 Cataract				
35.7 High blood pressure				
35.8 Brain tumor				
35.9 Appendicitis				

#### **IV.** Attitude of mothers

#### A. Diet

36. I will read you some statements. Please, give your opinion regarding those statements. You are "strongly agree," disagree", "strongly disagree" or "neutral".

Give your opinion regarding statements given below:

Put tick ( $\sqrt{1}$ ) in the appropriate box. The answer can be only one for each statement.

Statements	A. Strongly Agree	B Agree	C. Disagree	D. Strongly disagree	E. Neutra l	Cod e
36.1Healthy food is important						
36.2 Healthy foods are enjoyable						



	-		-	 
36.3 I really care about what I eat				
36.4 Healthy food is not tasty				
B6.5 Healthy food is for sick people				
26.6. If you do an ou ch even size				
36.6 If you do enough exercise				
you can eat whatever you like				
36.7 If you don't have any symptoms				
you can eat whatever you like				
36.8 Tastiest foods are the ones that				
are bad for you				
36.9I should do a lot more about me				
and my children's health				
36.10I wouldn't let my children eat				
junk food				
36.11I always think of the calories in				
what I eat				
36.12 Soft drinks are good in the				
summer				
36.13I buy soft drinks for my child				
because they are good for health				
36.14 When I become ill it's a matter of				
fate.				
36.15I can stay healthy by taking good				
care of myself.				

SN	Question	Answer	Code
	I will tell you different types of	Answer	
37	food one by one. Which food	1. Deep fried vegetables	
	items out of them you consider to be tasty for you?	2. Sausage, pizza	
	(Yes/No response for each)3(Read each option to the respondent and ask her to4	3. Sweetened soft drinks	
		(Fanta, coca-cola, pepsi)	
		4. Fruits	
		5. Doughnuts, cookies, candies	
		6. Jam, Deserts	
		7. Chips, kurkure	
	"N" according answer in the		



	hor	8. Rice, vegetables, dal
	box)	
		9. Meat thukpa
		10. Wai-wai
		11. Roti, vegetables
		12. Salad
38	<ul> <li>Where do you get your nutrition information?</li> <li>(Multiple answer question)</li> <li>(Ask question and wait for answer. If it is difficult for</li> </ul>	<ol> <li>Own mother, mother in law, other relatives</li> <li>Friends, neighbors</li> <li>TV, newspapers</li> <li>Books</li> <li>Internet</li> <li>Others (specify)</li> </ol>
	respondent to respond read the given options)	<ol> <li>I don't have nutrition information</li> <li>Don't know</li> </ol>
39	If you feel you have inadequate knowledge regarding which food is good or bad for health would you try to find such information yourself? (Ask question and wait for answer. If it is difficult for respondent to respond read the given options)	<ol> <li>Yes, I will ask someone who knows</li> <li>I will try to read it somewhere</li> <li>If the doctor hasn't told me         anything it means it s not important</li> <li>No, I don't know where to search         and whom to ask</li> <li>No, I can manage my food style without those         knowledge</li> <li>Never thought about it before</li> <li>Others(specify)</li></ol>
40	Do you want to improve your family's food pattern?	1. Yes         i. If yes, why?
	(Circle the answer)	<ul> <li>ii. What changes would you like to make?</li> <li>2. No</li> <li>i. If no, why?</li> </ul>



41	What difficulties might you have with eating more healthy food? (Multiple answer question) (Ask question and wait for answer. If it is difficult for respondent to respond read the given options)	3. Don't know         1. No difficulty trying to eat healthier         2. Cooking skills         3. Don't know enough about healthy eating         4. Busy lifestyle         5. Taste preferences of household members         6. I don't want to give up foods that I like         7. Price of healthy foods         8. Lack of will power         9. Others (specify)
42	Which factors could support you to eat more healthy food? (Multiple answer question) (Ask question and wait for answer. If it is difficult for respondent to respond read the given options)	<ol> <li>Don't know</li> <li>Own ill health</li> <li>Advice from a doctor or nurse</li> <li>Disease or death of a close relative</li> <li>More money/ healthier food being less expensive</li> <li>Better shops in the local area</li> <li>Family members eating healthier food</li> <li>Better information about food/ healthy eating</li> <li>Nothing</li> <li>Something else (specify)</li></ol>
43	Do you want to change your child food pattern? ( <i>Circle the answer</i> )	(specify)



		2. No	
		ii. If no, why?	
		•	
		3. Don't know	
44	Do you think that when	1. Yes	
	children feel upset/bad mood, a	2. No	
	favorite food will make them	3. Don't know	
	feel better?		
45	Do you think that if you love	1. Agree	
	your child you should please	2. Do not agree	
	him/her by buying favorite	3. Don't know	
	sweets?		
46	What do you think affects	1. Family's food preferences	
	child's food choice?	2. Mother's food preferences	
		3. Teaching in the school	
	(Multiple answer question)	4. Advertisement	
		5. Child's friends	
	(Ask question and wait for	6. Neighbors	
	answer. If it is difficult for	7. Nothing is affecting	
	respondent to respond read the	8. Others (specify)	
	given options)	9. Don't know	

47. Comment following statements:

I will read you some statements. Please, give your opinion regarding those statements. You are "agree," "moderately agree," moderately disagree", "disagree" or "neutral".

Put tick ( $\sqrt{}$ ) in the appropriate box. The answer can be only one for each statement.

Statements	A. Agree	B Moderately agree	B. Moderately disagree	D- Disagree	E- Neutr al	Code
47.1 . Media food						
advertising assists						
parents in their efforts to						
feed their child a healthy						
and balanced diet.						



47.2. Media food			
advertising leads			
children and their			
parents to spend their			
money on unnecessary			
and sometimes even			
harmful food products.			
47.3. Media food			
advertising is largely			
responsible for the			
weight problems and bad			
teeth of many children.			

#### **B.** *Physical activity*

I am going to ask your opinion regarding physical activity.

48. Give your opinion regarding statements given below:

I will read you some statements. Please, give your opinion regarding those statements. You are "strongly agree", "agree," disagree", "strongly disagree" or "neutral".

Put tick ( $\sqrt{}$ ) in the appropriate box. The answer can be only one for each statement.

Statements	<b>A.</b>	В	C	D	Ε	Code
	Strongly	Agree	Disagree	Strongly	Neutral	
	Agree			disagree		
48.1 Physical activity is						
important for children's						
health						
48.2 Overweight children are						
more attractive						
48.3 Overweight children are						
healthier						
48.4 I am enjoying physical						
activity						
48.5 Physical activity is not						
important for adults						
48.6 Low physical activity is						
linked to overweight and						



	1			· · · · · ·
obesity				
48.7 I eat less hence I don't need				
to be physically active				
48.8 I don't want to do more				
physical activity because it				
is increases my appetite and				
increase my weight				
48.9 After been diagnosed with				
heart disease one should				
restrict his/her physical				
activity				
48.10 Overweight people are more				
attractive				
48.11 The school has a				
responsibility for making				
sure my child gets enough				
exercise				
48.12. I restrict my child playing				
outside for safety reasons				
48.13. Parents have the main				
responsibility for making				
sure their child gets				
enough exercise				
48.14. Children's TV, electronic				
games and computer use				
should be restricted by				
their parents				

SN	Question	Answer	Code
49	If you need to reach some place which is more than 20-30 min walking distance what would you prefer? (Ask question and wait for answer. If it is difficult for respondent to respond read the given options)	1. Cycling         2. Motorbike         3. Walking         4. Local bus         5. I will not go because it is too far         6. Others (Specify)	
50	How would you rate your physical activity status?	<ol> <li>Very physically active</li> <li>Fairly physically active</li> <li>Not very physically active</li> <li>Not at all physically active</li> </ol>	



		5. Don't know	
51	Why did you choose to be	1. To maintain good health	
51	physically active?	2. My regular duty	
		3. To get or feel fit	
		4. Others (specify)	
		5. Nor physically active	
		6. Don't know	
52	Do you want to change your	1. Yes	
52	physical activity?	1. 105	
		i. If yes, why?	
		ii. What changes would you like to make?	
		2. No	
		iii. If no, why?	
		3. Don't know	
53	What are barriers for you to	1. Lack of leisure time	
	participate in physical activity?	2. Caring for children or older people	
	(Multiple answer questions)	3. Lack of parks or other places for physical activity	
	(Multiple answer questions)	4. Not feel the need to do more	
		physical activity	
		5. Having other things to do	
		6. Own ill health	
		7. Feeling lazy	
		<ol> <li>8. Feeling embarrassed in front of others</li> <li>9. Others (specify)</li> </ol>	
		10.Don't know	
54	What are the factors facilitating	1. Own ill health	
	you to be physically active?	2. Advice from a doctor or nurse	
		3. Disease or death of a close relative	
	(Multiple answer questions)	<ul><li>4. Support by friends, relatives</li><li>5. Better information regarding</li></ul>	
		importance of physical activity	
		6. Availability of special places	
		(parks, playgrounds etc.)	
		7. Nothing	



-			
		8. Something else (specify)	
		9. Don't know	
55	How would you rate your child's physical activity status?	<ol> <li>Very physically active</li> <li>Fairly physically active</li> <li>Not very physically active</li> <li>Not at all physically active</li> <li>Don't know</li> </ol>	
56	Do you want to change your child's physical activity?	1. Yes         i. If yes, why?	
		3. Don't know	
57	<ul><li>What are barriers for your child to be physically active?</li><li>(Multiple answer question)</li></ul>	<ol> <li>Too much homework</li> <li>Lack of place to play outside the house</li> <li>No friends to play with</li> <li>Too dangerous to let child to play outside</li> </ol>	
		<ul><li>5. My child has no barriers</li><li>6. Others(specify)</li><li>7. Don't know</li></ul>	
58	What are the factors facilitating your child to be physically active?	<ol> <li>Physical activity is encouraged by parents</li> <li>Availability of playgrounds outside</li> <li>Parents and child spend time</li> </ol>	
	(Multiple answer question)	playing together         4. More free time         5. Friends         6. Load-shedding of electricity         7. Others (Specify)	
59	Do you think you can influence	1. Yes	
			16



your child's physical activity?	2. No	
	3. Don't know	

#### III. Behavior of mothers and children

A. Family dietary pattern

SN	Question	Answer	Code
60	Who is usually cooking in your	1. Yourself	
	family?	2. Husband	
	5	3. Father in law	
		4. Mother in law	
		5. Servant	
		6. Others (specify)	
61	Who is making decision	1. Yourself	
	regarding way of cooking and	2. Husband	
	what to cook?	3. Father in law	
		4. Mother in law	
		5. Servant	
		6. Children	
		7. Others (specify)	
62	How often is your family eating	1. Every day	
	out together?	2. Every alternate day	
		3. Once a week	
		4. Once a month	
		5. Never	
		6. Others (specify)	
		7. Don't know	
63	Do you eat differently during the	1. Same food as on others days	
	weekend compared to the week?	2. Cooking something special	
		3. Going eating to relative's,	
		friend's house	
		4. Going out (café, pasal, restaurant)	
		5. Others (specify)	
		6. Don't know	



64	Do you give your child the same food which you eat usually at home?	1. Yes         2. No         i.If No, why?
65	Are sweetened soft drinks available at home during meals?	1. Yes, often or always     2. Sometimes     3. No or seldom     4. Don't know
66	Do you limit the amount of junk food at your home?	<ol> <li>Don't know what junk food is</li> <li>Try to keep healthy food at home but still have some unhealthy food</li> <li>Don't care which food to give to the family</li> <li>Having only healthy food at home</li> <li>Others (specify)</li> <li>Don't know</li> </ol>

# B.Child's dietary pattern

SN	Question	Answer	Code
67	What does your child eat during	1. Taking tiffin from home every day	
	school time?	2. Sometimes eat at school sometimes	
		take tiffin from home	
		3. Eat only school food	
		4. Buying food from nearby shops	
		5. Others (specify)	
		6. Doesn't attend school	
		7. Don't know	
68	Where does your child eat	1. At home	
	healthiest food?	2. At school	
		3. Out	



		4. Other (specify)
		5. Don't know
69	How often does your child get	1. Every day
	pocket money?	2. Two-three times a week
		3. Once a week
		4. Never
		5. Others (specify)
		6. Don't know
70	How does your child usually	1. Buying some food
	spend them?	2. Buying chocolates
		3. Buying drinks (coke,
	(Multiple answer question)	fanta etc)
		4. Buying toys
		5. Playing games in the internet cafe
		6. Saving
		7. Others (specify)
		8. I don't care
		9. I don't give pocket money to my child
		10. Don't know

# 71. What types of foods does your child usually eat as a snack?

Items	<b>A.</b>	B.	C.	Code
	Often	Sometimes	Seldom	
71.1. Chaomin				
71.2. Wai-wai				
71.3. Homemade vegetables				
and roti				
71.4. Chura, meat or				
vegetables				
71.5. Biscuits, bread				
71.6. Sweets				
71.7. Chaatpate, samosa, pani				
puri				
71.8. Momo				
71.9. Egg				
71.10. Milk				



71.11. Dahi		
71.12. Fresh salad (carrot,		
cucumber, mula)		
71.13. Others (specify)		

SN	Question	Answer	Code
72	Name 3 most favorite food items of your child.	1	
		2	
		3	
		4. Don't know	
73	What are your child's favorite	1. Water	
	drinks?	2. Milk 3. Tea	
	(Multiple answer question)	4. Real juice, Slice	
	(Multiple answer question)	5. Soft drinks (coca cola,	
		fanta, dew, sprite)	
		6. Fresh juice	
		7. Horlicks, Complan	
		8. Tang 0. Others (specify)	
		9. Others (specify) 10.Don't know	
74	How often does your child	1. Every day	
	consume soft drinks?	2. Twice a day	
		3. Twice a week	
		4. Once a week	
		5. Never	
		6. Others (specify)	
		7. Don't know	
75	Does your child eat while	1. Yes	
	watching TV?	i. If yes, how often?days/week	
		2. No (go to Q. 77)	
		3. Don't know	
76	If yes, which food/drinks does	1. Fruits	
	he/she prefer to eat while	2. Cookies	
	watching TV, playing computer	3. Chips, kurkure, wai-wai	



	aamaal	1 Candy abasalatas
	games?	4. Candy, chocolates
	(Multiple answer qurstion)	5. Nuts, dry fruits
	(maniple answer quistion)	6. Soft drinks
		7. Others (specify)
		8. Don't know
77	Does your child ask you to buy food items he/she saw on TV?	1. Never         2. Sometimes         3. Often         4. My child hardly watches TV         5. Don't know
78	Suppose you are in a market/shop, and your child asks for a specific food item that you did not think of buying initially, do you buy it?	<ol> <li>Usually not</li> <li>Sometimes</li> <li>Often</li> <li>Only if I have the money</li> <li>Only if it is something healthy</li> <li>Don't know</li> </ol>
79	Where does your child usually have breakfast?	1. Home         2. School         3. On the way to school (shops, café, street vendors)         4. Others (specify)         5. Don't know
80	What does your child usually eat at breakfast?	1.
81	What does your child usually eat at dinner?	1.       2.

# *C. Physical activity*82. Mother's vigorous activities ( for at least 10 minutes at time)



82.1 Work (heavy lifting , digging or c	construction)	Code	82.2 Leisure time (running or strenuous spor lifting)	rts, weight	Code
Yes	No	82.1a	Yes	No	82.2.a
Number of days/week	NA go to <b>82.2</b>	82.1b	Number of days/week	NA go to <b>83.1</b>	82.2b
Hours		82.1c 82.1d	Hours		82.2c 82.2d
How much time		02.10	How much time		02.2u

83. Mother's moderate intensity activities (for at least 10 minutes at time)

83.1 Work (brisk walking or carrying light loads, housework)	Code	83.2 Leisure time (brisk walking, cycling)	Code
Yes No NA Number of days/week go to 82.2	83.1a 83.1b	Yes No NA Number of days/week go to 83.1	83.2.a 83.2b
Hours min How much time	83.1c 83.1d	Hours min How much time	83.2c 83.2d

SN	Question	Answer	Code



84	How much time you usually spend sitting or reclining on typical day?	hours/day
85	Does your child attend school?	1. Yes 2. No (go to Q. 88)
86	How does your child usually get to school?	1. Walking     2. School bus     3. Car, motorbike     4. Cycling     5. Others (specify)     6. Don't know
87	How long does your child walk (including walking to and from the bus stop) for going to and coming back from the school?	min/day
88	How does your child like to spend spare time (after homework is done or on the vacation)? ( <b>Multiple answer question</b> )	<ol> <li>Read books</li> <li>Playing alone at home</li> <li>Playing with friends at home</li> <li>Playing outside</li> <li>Watching TV, computer or mobile games</li> <li>Others (specify)</li></ol>
89	How much time does your child usually spend per day doing homework?	min/day
90	How much time does your child usually spend per day playing in the yard or street around your house (or the house of a friend, neighbour or relative) on the typical weekdays?	min/day



91	How much time does your child usually spend per day playing in the yard or street around your house (or the house of a friend, neighbour or relative) on the weekends or holidays?	min/day	
92	How much time does your child spend using computers, mobile games, TV per day on weekdays?	min/day	
93	How much time does your child spend using computers, mobile games, TV on weekends or holidays?	min/day	

# THANK YOU