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3 **Decision Making Capacity and Constraints**

4 **Faced by Rural Women while Seeking Maternal**

5 **and Child Health Care Services in **Northeastern****

6 **Bangladesh**

7

8 **ABSTRACT**

The aim of the study was to determine the association between rural women's decision-making power and the constraints faced by them while seeking Maternal and Child Health care services in **northeastern** Bangladesh. The study sample consisted of 150 mothers living in **northeastern** Bangladesh who had accessed institutional MCH care services during their **pregnancy, childbirth and the postpartum period**. Data were collected through a structured questionnaire using simple random sampling technique from January-April, 2018 and analyzed using descriptive statistics, decision making index and constraints facing indexing method through SPSS and Microsoft Excel. The study results showed that, decisions about **treatment-seeking**, consultation with **the** doctor during **the** prenatal and postnatal period, institutional birth preference and use/not use of contraceptives **was** always taken by the husband because the index was closer to the weighted value 200. But while making decisions about purchasing household daily needs, **medicines**, taking **the** first child **or having** more than two children, both husband and wife participated equally. On the other hands, constraint facing index showed that lack of medicine and vaccination, unhealthy environment and unprofessional behavior of **the** clinic's people with CFI 651, 316 and 304 respectively, were the most commonly faced constraints by the rural women which discouraged them to seek institutional MCH care services. Though rural women were not completely suppressed in the **northeastern** region of Bangladesh, **healthcare-seeking** decisions were completely under the supervision of the **men of families**. Along with the socio-economic barriers, unprofessionalism, unavailability and mismanagement of the offered services also discouraged them to access institutional MCH care services. Awareness building among the rural people, especially in the recipients of this service along with Government and policy maker's intervention to ensure a better quality of MCH care services can change the scenario of MCH **care-seeking** attitude of rural women in northeastern Bangladesh.

9 **Keywords:** *Maternal and Child Health (MCH) care services; Decision making capacity;*

10 *Constraints; **Northeastern** Bangladesh; Rural women; Sylhet region*

11 **1. INTRODUCTION**

12 Maternal health refers to the health of women during pregnancy, childbirth and the

13 postpartum period. While motherhood is often a positive and fulfilling experience, for too

14 many women it is associated with suffering, ill-health and even death [1]. Maternal health is

15 a not only health but also social and development issue since it has tremendous impact on

16 the child health and economy of families and healthcare system [2]. In Bangladesh, nearly

17 one-fourths of total population lives below poverty level and households' out-of-pocket

18 payments share over two-thirds of Total Health Expenditure. Moreover, over 55% of the total

19 female populations are in age group 15-49 years with a total fertility rate of 2.3 and high

20 **maternal mortality rate** [3]. However, the country has achieved noteworthy progress in terms

21 of reducing MMR by three-quarters by 2015, as a part of its meeting the Millennium

22 Development Goal [4]. Still the strong patriarchal structure and cultural barriers of society
23 could be attributed for poor health status of women in family and society [5]. It is evident that
24 low utilization of maternal **healthcare** services is one of the major contributing factors of the
25 high maternal morbidity and mortality in developing countries [6]. Previously many studies
26 have attempted to explore the barriers to the utilization of **maternal health services**, some
27 from demographic, economic [7, 9, 10] and some from sociocultural and behavioral
28 perspectives [7, 8, 11, 12]. Apart from the socioeconomic aspects, there is also a growing
29 number of study emphasizing the role of women's **decision making** autonomy on maternal
30 health service utilization and pregnancy outcomes [13, 14]. In the perspective of Bangladesh
31 however, involvement of husbands/partners in decision making is particularly important
32 because most families are male-headed and it is also the male figures who usually play the
33 dominant role in important household decision making such as income expenditure and
34 healthcare-related movement [14]. In South Asian countries including Bangladesh, gender
35 discrimination and inequality remains a widespread phenomenon across various walks of life
36 such as decision-making autonomy, intra-household resource allocation, property rights and
37 access to healthcare [15, 16]. Women autonomy is restricted by social and cultural factors in
38 the rural areas in Bangladesh because of decision taking in context specific dominancy by
39 man. Especially in the **northeastern** region of Bangladesh, patriarchy is very dominant than
40 other as here the community people are very sensitive about religious norms and cultures.
41 There women have less or no decision making capacity. They cannot take emergency
42 decision or hesitate to take decision related to maternal and child care services, education
43 and other aspects of daily life. Educational backwardness, superstitions and conservative
44 attitude restricts women to receive MCH care from male service providers. Antenatal care
45 appointments among the women of **northeastern** region of Bangladesh are less (51.8%) than
46 national women (67.3%), which is a huge gap [17]. Within the household structure, the
47 decision to select the birth attendant has been found to rest predominantly with husbands
48 and guardians (in 70% cases). For treatment of female diseases or gynecological problems
49 other than pregnancy, a vast majority of women (65%) usually do not seek any medical care,
50 with husbands bringing medicine in a reported 7.7% of cases [18]. There is a very few
51 studies which describe this exact scenario of decision making incapability of rural women of
52 this region particularly. The major concern of this study was to minimize the knowledge gap
53 and attract policy maker's attention to improve the situation of **northeastern** women while
54 seeking MCH care services. Women's autonomy is a multidimensional concept which
55 conveys a set of discrete components or phenomena essential for ensuring that women can
56 exercise their rights with full potential and participate in decision making, whether it is about
57 household decisions or healthcare-seeking. Therefore, this study was conducted to
58 determine the association between women's **decision making** power and the constraints
59 faced by them while seeking MCH services in **northeastern** Bangladesh.

60 **2. MATERIAL AND METHODS**

61 **2.1 THE STUDY AREA:**

62 Sylhet district is located in the northeastern part of Bangladesh with a total area of 3,452.07
63 sq. km. [19]. Women of Sylhet region were less aware than national women in receiving
64 MCH care. Comparatively, a higher proportion of national women (30.1%) received postnatal
65 care than and women of Sylhet (25.7%) [17]. **Five major upazilas of Sylhet district - Sylhet**
66 **Sadar, Dakshin Surma, Golapganj, Bishwanath and Fenchuganj were selected and five**
67 **different villages from the upazilas - Shahpur, Jalalpur, Fulbari, Chandripur and Gilachhara**
68 **were respectively chosen using simple random sampling technique to collect data in**
69 **consideration with the time and budget.**

70 **2.2 SAMPLING PROCEDURE AND SAMPLE SIZE**

71 The study was conducted based on primary data which employed both qualitative and
72 quantitative methods. The target population of this study were women with at least one child
73 of their own who had accessed institutional MCH care services at least for once during their
74 pregnancy, childbirth and the postpartum period. A multi-stage sampling technique was
75 used. In the first stage, simple random sampling technique was used in selecting five
76 upazilas out of twelve in whole Sylhet district. In the second stage, one village from each
77 upazila, thus five villages were selected randomly. Finally, the third stage involved random
78 selection of 30 MCH care service recipients from each village following lottery method of
79 simple random sampling technique giving a total sample size of 150 women. The basic
80 inclusion criteria were: 1) Relatively backward women having poor lifestyle, 2) Relatively
81 cooperative to talk about these sensitive issues. Data was collected from both primary and
82 secondary sources from January to April, 2018. According to the enlisted data of Directorate
83 General of Family Planning, during the data collection period, 48414 women had accessed
84 different types of maternal and child healthcare services in Sylhet district out of which 150
85 women were selected which constituted 0.31% of the total population. Due to the limitation
86 of time and budget, it was not possible to collect data from the total population. Selected
87 sample recipients were interviewed following individual in-depth interview method and
88 observation through a structured questionnaire

89 2.3 ANALYTICAL TECHNIQUES

90 Descriptive data on the socio-economic characteristics of rural women were presented as
91 percentage and mean. To evaluate the contribution of women in decision making, following
92 method of decision making index was carried out. A woman participates in a given decision
93 when she alone or jointly with someone else, especially husband, makes the decision. The
94 index was defined as the number of decisions a woman participates in. For each decision,
95 scoring was determined by the following way:

- 96 **X_i=1**= if the decision was taken by Women alone,
97 **X_i=2**= if the decision was taken by Men in the family,
98 **X_i=3**= if the decision was taken jointly by Men and Women in the family,
99 **X_i=4**= if the decision was taken by the parents-in-laws or other family members.

100 The functional specification of decision making capacity was determined by

$$101 \quad DI = \sum W_i X_i / n \quad [20]$$

102 Where, **i** = 1, 2, 3 and 4 = Number of decision criterion and **W** = Weight
103 Each of the decision criterions carried equal weight such as 100 for simpler calculation. Here
104 results were ranged from 100 to 400. Where, 100 meant full participation or freedom of
105 making choice for women. On the other hand, 200 meant no participation or freedom in
106 decision making. Score 300 indicated the combined decision making compatibility of both
107 husband and wife. If the score was 400, it indicated that there was no involvement of them in
108 decision making process. Lastly, a summation of all decision were shown by a simple
109 average where the weights were same. The closer the index score was to the weighted
110 value 300, the greater the indication of gender equity in decision-making.

111 For determining the constraints faced by the rural women, the constraint facing indexing
112 method was used, which was computed using the following formula,

$$113 \quad CFI = (C_h \times 3) + (C_m \times 2) + (C_l \times 1) + (C_n \times 0) \quad [21]$$

114 Where, **CFI** = Constraint Facing Index;
 115 **C_h** = Percentage of respondents having severe constraints;
 116 **C_m** = Percentage of respondents having significant constraints;
 117 **C_i** = Percentage of respondents having insignificant; and
 118 **C_n** = Percentage of respondents having constraints not at all.
 119 All analyses were carried out using the SPSS (Statistical Package for Social Science) for
 120 Windows (Version – 22, SPSS, Inc., Chicago, IL, USA) and Microsoft Excel, 2013.

121 **2.4 ETHICAL APPROVAL**

122 A written consent was obtained from all the women after explaining the purpose and method
 123 of the study, and guarantee was given for privacy of answers. After a questionnaire on socio-
 124 demographic characteristics was filled by the researcher using a face-to-face interview, it
 125 was expected that the questions on sensitive issues would be answered by the women
 126 themselves.

127 **3. RESULTS AND DISCUSSION**

128 **3.1 SOCIO-ECONOMIC CHARACTERISTICS OF THE RESPONDENTS**

129 An effort has been made to describe briefly some of the basic socio-economic
 130 characteristics of the respondents because these characteristics have a significant influence
 131 on overall experiences they have faced while making decisions about seeking MCH care
 132 services. The summary statistics of these characteristics are presented in Table 1. It shows
 133 that **the highest proportion** (41.99%) of the sampled respondents were in middle-aged (25-
 134 34) group with mean age 27.83 years and most of them had a large family size (55.33%).

135 Maximum (44.67%) women had only primary level of education with a mean value of 3.97.
 136 The **vital proportion** (40.67%) of their husbands also had only primary level of education.
 137 Education is an important variable while making decisions about accessing health care
 138 facilities. From this table, it is evident that, both the recipients and their husbands had a low
 139 level of educational qualification which ensured low level of awareness about health related
 140 issues. About half of the total population (43.34%) had an inadequate level of family income
 141 with a mean value of 0.76. It was evident from the responses that, the women with lesser
 142 number of children had more accessibility to MCH care services. Most of the interviewed
 143 women (31.33%) had only one child of their own.

144 Table 1 also shows, **most of the respondents** (64%) said that their home is very far from the
 145 nearest MCH care centers of their respective areas with a mean value of 0.36. 52.67%
 146 women of the total population said that, they do not get any family cooperation while
 147 accessing MCH care services with a mean value of 0.47. Also unavailable female doctors in
 148 MCH care centers was an alarming issue. Due to conservativeness, most of the women
 149 hesitated to access the maternal services from a male doctor. Majority (59.33%) of the
 150 women with a mean value of 0.41 said that, unavailable female doctor was a factor which
 151 affected their accessibility to institutional MCH care services.

152 **Table 1. Distribution of rural women by socio-economic characteristics of the**
 153 **respondents**

Variables	Percentage	Mean
Age		
Young (15-24)	40.0	
Middle (25-34)	41.99	27.83

Old (Above 34)	18.01	
Family Size		
Small (2-6)	8.0	
Medium (7-10)	36.67	
Large (≥ 11)	55.33	
Family type categories		
Joint family	92.0	
Nuclear family	8.0	
Recipient's Education		
Illiterate	28.0	
Primary	44.67	
Secondary	20.67	3.97
Higher secondary	5.33	
Graduation	1.33	
Husband's Education		
Illiterate	19.33	
Primary	40.67	
Secondary	26.67	5.74
Higher secondary	9.33	
Graduation	4.0	
Family income		
Adequate	19.33	
Relatively adequate	37.33	0.76
Not Adequate	43.34	
Number of living children		
1	31.33	
2	26.67	
3	25.33	2.33
4	11.33	
5	5.34	
Distance		
Very far	64.0	0.36
Near	36.0	
Family cooperation		
Yes	47.33	0.47
No	52.67	
Availability of female doctor		
Available	40.67	0.41
Not available	59.33	

154 Source: Field Survey, 2018

155 3.2 DECISION MAKING CAPACITY OF RURAL WOMEN WHILE SEEKING 156 MATERNAL AND CHILD HEALTH CARE SERVICES

157 Women's decision-making autonomy is closely linked to maternal and child health outcomes,
158 with empowerment of women and gender equity being recognized as the cornerstones of
159 effective health programs. There is now growing evidence of gender differences in utilization
160 of health care services globally, and these differences can exist at any stage of health care
161 delivery chain from decision making for healthcare-seeking to effect or quality of care being
162 provided [22]. This is the reason because of measuring the decision making capacity of
163 women in healthcare-seeking was necessary to assess the accessibility of MCH care
164 services of rural women which was the main purpose of the research. Women decision

165 making index while seeking MCH care services were analyzed and presented in table 2.
166 Here, eight major decisions regarding the household and health care were targeted and
167 indexed on the basis of the responses of interviewed rural women. These eight major
168 decisions were: 1) Treatment-seeking for yourself (respondent), 2) Purchasing household
169 daily needs, 3) Purchasing medicine, 4) Consultation with doctor during prenatal and
170 postnatal period, 5) Institutional birth preference, 6) Use / Not use of contraceptives, 7)
171 Taking first child and 8) Taking more than two children.

172 According to the represented results presented in Table 2, decisions about treatment-
173 seeking for the recipients were always taken by the husband, because the index value was
174 222.667 which is closer to the value 200, which was the weight assigned to the husband
175 category. Similarly the decisions about consultation with doctor during prenatal and postnatal
176 period, institutional birth preference and use / not use of contraceptives were almost made
177 by men. Because the index value for each decision was respectively 244.667, 238.667 and
178 206.0, which were closer to the value 200, that was the weight assigned to the husband
179 category.

180 On the other hand, while making decisions about purchasing household daily needs,
181 purchasing medicine, taking first child and taking more than two children, both husband and
182 wife participated equally. Because the index value for each stated decisions were
183 respectively 277.333, 260.0, 273.333 and 300.667, which were closer to the value 300,
184 which was the weight assigned to the category where husband and wife took decision
185 together. This was a great sign of initiating women autonomy in some of the household
186 matters. But the fact was also unavoidable that, women personally did not have right to take
187 any decision on herself. For every single aspect, she either had to listen to her husband or to
188 make some decisions with his consent, because he acted as a superior in it. That means, in
189 the case of MCH care-seeking, women did not have the capacity to take decision for herself
190 without the consent of husband and for maximum cases, husband individually took the
191 decision which was a negative sign for the rural women of **northeastern** Bangladesh.

192 A comparative study showed that, the number of husbands controlling and implementing
193 everything in the family in Bogra was three times higher than that in Rajshahi. This indicated
194 that a positive change in the family domain is yet to emerge in Bogra. In slums there were
195 more conservative than those in Rajshahi. On the other hand, half of respondents from
196 Shapahar reported that their husband was the sole person in controlling and implementing
197 everything relating to family matters. The number of women directly involved in controlling
198 and implementing family business in Shapahar, was very insignificant compared to that in
199 either Bogra or Rajshahi. The most interesting finding was that 38% of respondents from
200 Shapahar reported that both husband and wife shared household matters together, whereas
201 this figure was significantly low in Bogra (1.6%) and in Rajshahi (6.6%) [23].

202 Within the household structure, the decision to select the birth attendant has been found to
203 rest predominantly with husbands and guardians (in 70% cases). For treatment of female
204 diseases or gynecological problems other than pregnancy, a vast majority of women (65%)
205 usually did not seek any medical care, with husbands bringing medicine in a reported 7.7%
206 of cases. In this study, the authors group the responses of fear of 'medical intervention', 'evil
207 spirits', 'shame', and 'delivery at home' as all rooted in the specific cultural background of the
208 women – although they comment that the percentages of Muslim and Hindu women refusing
209 referral are similar, which seems to confirm finding that religion played little part in decision-
210 making capacity of women while seeking MCH care services [18].

211 Compared with women who decided on their healthcare alone, those who decided jointly
212 with husband/partner had higher likelihood of using all three types of services (except for

213 antenatal visits among rural women). However, women could decide large household
 214 purchases alone had higher likelihood of attending at least four antenatal visits. Similar
 215 association was observed for utilization of postnatal care among women in rural but not
 216 urban areas [4].

217 **Table 2: Decision Making Index of Rural Women in accessing MCH care**

Decisions	Respon dent (1)	Husba nd (2)	Both (3)	Parents-in-law or other family members (4)	Value	Decision Making Index
1. Treatment seeking for yourself	29	80	19	22	222.667	Husband
2. Purchasing household daily needs	1	74	33	42	277.333	Both
3. Purchasing medicine	7	76	37	30	260.0	Both
4. Consultation with doctor during prenatal and postnatal period	22	62	43	23	244.667	Husband
5. Institutional birth preference	21	79	21	29	238.667	Husband
6. Use / Not use of contraceptives	27	89	34	0	206.0	Husband
7. Taking first child	0	69	52	29	273.333	Both
8. Taking more than two children	0	63	23	64	300.667	Both

218 Source: Field Survey, 2018

219 **3.3 CONSTRAINTS FACED BY THE RURAL WOMEN WHILE SEEKING** 220 **MATERNAL AND CHILD HEALTH CARE SERVICES**

221 Table 3 shows the constraints faced by the rural women while seeking MCH care services in
 222 **Northeastern** Bangladesh. This was estimated by using organized questionnaire. A four-
 223 point rating scale was used for computing the constraint score of a respondent. After
 224 analyzing all the facts while visiting the studied areas and observing the responses of the
 225 recipients of the MCH care services, eleven commonly faced problems were identified which
 226 were the major of all the other constraints. These constraints were: 1) Objection from the
 227 parents-in-law, 2) Lack of cooperation of husband, 3) Had to go far for accessing the service,
 228 4) Nobody to accompany, 5) Did not get good doctor / Family Welfare Visitor, 6) Lack of
 229 female doctors, 7) Lack of medicine and vaccination, 8) The clinic's people were not well
 230 behaved, 9) Lack of proper accommodation facility, 10) Irregular treatment and 11)
 231 Unhealthy environment.

232 Table 3 disclosed that, lack of medicine and vaccination with CFI 651 was ranked as first.
 233 From the study area, it was found that, 70% of the total interviewed population severely
 234 faced the problem of deficiency of medicines and vaccines required by them and their
 235 children. Besides they mentioned that, money was charged to them several times unfairly for
 236 these services. Because of that reason, they decided to spend their hard earned money to
 237 the private MCH care service centers to get better quality services. Only 13% recipients did
 238 not face such kind of problem at all. Unhealthy environment with CFI 316 was the second

239 most faced constraint. The hygiene status of the MCH care centers holds a great importance
 240 in attracting more women to come and receive services. Not only MCH care, but also every
 241 type of health care system require a healthy and hygienic environment. Attitudes and
 242 behaviors of maternal health care providers influence healthcare-seeking and quality of care.
 243 Bad behavior of clinic's people with CFI 304 was ranked as third most faced problem. In the
 244 study, 52% women got an unexpected level of behavior from the service providers. Irregular
 245 treatment with CFI 286 and not getting good doctor or Family Welfare Visitor with CFI 271
 246 were the fourth and fifth problem respectively. Absenteeism of the doctors and service
 247 personnel was a mentionable reason behind this issue. The sixth problem was lack of proper
 248 accommodation facility with CFI 269 which discouraged rural women to seek MCH care
 249 services. Recently Government is making MCH care centers with better accommodation
 250 capacity. But how much development is reaching to the rural and backward areas of
 251 Bangladesh is the biggest question right now.

252 Table 3 also shows that the lack of female doctors with CFI 252 was the seventh constraint
 253 faced by **northeastern** Bangladeshi women. Due to the conservativeness and religious
 254 boundaries, most of the women of that region felt discomfort while talking about maternal
 255 issues to a male doctor and preferred female doctors to resolve their problems. During some
 256 previous years, the appointment of female doctors in this service has increased a lot. Still for
 257 some reasons, women of rural areas feel some deficiency of female doctors in their nearest
 258 MCH care centers. From service providers, it was heard that, many female doctors were
 259 unwilling to work in such remote and backward places. Most of them were urban facing.

260 Objection from the parents-in-law was also a hidden but serious constraint ranked eighth
 261 with CFI 224. In almost every family, the recipient lived with their parents-in-law. Most of
 262 them were surrounded by superstitions and conservativeness, illiterate and not aware about
 263 the benefits of provided services in Maternal and Child Health care centers. As a result, they
 264 believed more in traditional birth attendants rather than skilled doctors in MCH care centers.
 265 In most of the families, the parents-in-law held a strong position of themselves. Due to lack
 266 of decision making capacity, most of the women had to depend on the decisions of their
 267 husbands or parents-in-laws. Distance from the MCH care center was also mentioned as a
 268 problem by the recipients. Women had to go far to access the service was ranked as ninth
 269 constraint with index value 215. Recipients had nobody to accompany them while going to
 270 healthcare centers to access MCH care services and thus ranked it as tenth constraint with
 271 CFI 206. Lack of cooperation of husband with CFI 174 was ranked as the last constraint.
 272 Thought lack of decision making capacity, most of the women had the support of their
 273 husbands while accessing institutional MCH care which was a positive sign. Increased
 274 awareness was the only affecting factor behind it. It was found that, rural women of
 275 **northeastern** region of Bangladesh were already suffering from lack of decision making
 276 capacity because of the socio-economic barriers. Along with those problems, the MCH care
 277 sectors were also unable to provide their services to the recipients at a satisfactory level
 278 which discouraged them to seek institutional MCH care services.

279 **Table 3: Ranking of the constraints faced by rural women using Constraint Facing**
 280 **Index**

Constraints	Sever e (*3)	Signific ant (*2)	Insignifi cant (*1)	Not at all (*0)	Tota l CFI	Value	Rank
1. Objection from the parents-in-law	63	3	29	55	150	224	8
2. Lack of cooperation of husband	31	21	39	59	150	174	11
3. Had to go far for	56	8	31	55	150	215	9

accessing the service							
4. Nobody to accompany	43	21	35	51	150	206	10
5. Did not get good doctor / Family Welfare Visitor	64	31	17	38	150	271	5
6. Lack of female doctors	62	17	32	39	150	252	7
7. Lack of medicine and vaccination	205	10	16	19	150	651	1
8. The clinic's people were not well behaved	77	23	27	23	150	304	3
9. Lack of proper accommodation facility	56	35	31	28	150	269	6
10. Irregular treatment	72	22	26	30	150	286	4
11. Unhealthy environment	72	41	18	19	150	316	2

281 Source: Field Survey, 2018

282 Availability of drugs, medical supplies and family planning commodities is almost
 283 constant problem in many public health facilities throughout the length and breadth of
 284 Bangladesh. While part of the problem lies with lack of effective supply chain
 285 management, lack of funds (or timely release of available funds) to pay for supplies
 286 is also a serious problem. Shortage of logistics in most public health care centers,
 287 especially at the Upazila Health Complexes and district hospitals is a common
 288 phenomenon. Often essential drugs and family planning commodities meant for free
 289 distribution to patients and users are pilfered and sold to the private sector vendors [24]. For
 290 births occurred between 1992-96, 75% of mothers received at least one Tetanus Toxoid (TT)
 291 injection during pregnancy [25], while by 1995-99, the proportion had increased to 81% [26].
 292 At health facilities, communication tended to be more two-way if a woman had a familial
 293 relationship or friendship with the health worker [27].

294 As reported in a study, 90% of patients who had visited qualified private and unqualified
 295 practitioners were satisfied with their behaviors and attitudes towards them. Only 66% were
 296 satisfied with government service providers. It was also found that government officials
 297 behaved roughly with patients who came from poor socio-economic background. Overall
 298 quality of EmOC (Emergency obstetric care) in all public health centers except the medical
 299 college hospital was poor. The worst quality was found at upazila level [23]. The
 300 Bangladeshi Ministry of Health has stated that the quality of maternal health services
 301 provided by government institutions is below expectations. It suffers critically from a large
 302 number of problems, such as shortage of medical equipment, dearth of
 303 doctors/nurses/technicians, unhygienic physical environment, scarcity of power and water,
 304 pilferage of drugs and medicines and irregularities in the management system [28].

305 In a study, it was found that many mothers during their pregnancy took precautionary
 306 measures against evil spirits. Younger mothers seemed less likely to believe these
 307 explanations, at times ignoring their elder's advice about correct behavior, which could lead
 308 to restrictions placed on women's movements by relatives [29]. Women were saying that
 309 there was nobody to look after other children if the mother left the household. 18 of the 52
 310 women agreed that transportation problems affected their decision [30]. Lack of female
 311 doctors lower the pregnancy support. Female workers from NGO providing delivery services
 312 were found to still choose to deliver their own children at home, most of them mentioning
 313 factors such as family pressure, sudden onset of labor, distance from the clinic, and
 314 transport as the reasons for giving birth at home [31].

315 **4. CONCLUSION AND RECOMMENDATIONS**

316 Women are still rundown of their own freedom to get decision making for herself or children
317 when desired healthcare required. Reaching gender equality is a slow process, since it
318 challenges people to change many cultural practices and thoughts and it takes far more than
319 changes in law or stated policy to change practices in the home, community and in the
320 decision-making environment. In this study, several decisions were analyzed and a
321 concluding remark could be drawn as, in **northeastern** region of Bangladesh, women were
322 not completely suppressed. They were given a certain level of power to express their
323 thoughts and opinions in household matters. But the healthcare-seeking decisions for rural
324 women were completely under the supervision of men of the family. It was also evident that,
325 along with the socio-economic barriers, several constraints and mismanagement of the
326 offered services also discouraged rural women of northeastern Bangladesh to access
327 institutional MCH care services. Among them the deficiency of medicines and vaccines was
328 the main problem faced by them. Besides unhealthy environment and unprofessional
329 behavior of the service providers were also the major constraint according to them. In this
330 regard, the respondents put forward a number of suggestions to overcome the aforesaid
331 constraints which will improve their access capacity of MCH care services, health condition
332 of their children along with themselves and in turn help to improve the livelihood standard.
333 Proper support and initiative from the government and other cooperative bodies can ensure
334 proper development. As a key indicator of gender equality, women's decision-making power
335 measures the level of women's involvement in **decision making** regarding consumption and
336 expenditures, reproductive choices, and other decisions. South Asian women are greatly
337 excluded from making decisions and have limited access to and control over resources.
338 Women's lack of decision making ability can be attributed to poor utilization of MCH care
339 services. Identification of the determinants of poor participation of women in decision making
340 for health care can help countries develop programs and policies to improve gender
341 inequalities in health care especially maternal healthcare-seeking.

342 **5. LIMITATIONS**

343 Our study has several limitations. During the study, data were collected via personal
344 statements. Due to regional differences, the results cannot be generalized to the whole
345 country. Finally, the research design of the study limits conclusions about causality for some
346 findings.

347 **COMPETING INTERESTS**

348 Authors have declared that no competing interests exist.

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