Assessment of the Association of Some Socio-demographic Characteristics with Mother-child Relationship in Mothers Who Have Children in Primary Schools

Neslihan Aslan¹ and Ayşe Ferda Ocakçı̈k̈③
¹Yükse Lisan ẻğerenci, Koç Üniversitesi, Turkey
²School of Nursing, Koç Üniversitesi, Turkey

Abstract

Objective: The present investigation was planned as a descriptive study to investigate the association of some socio-demographic characteristics with mother-child relationship in mothers who have children in primary schools.

Materials and Methods: The universe of the study consisted of mothers of children aged 6-12 years attending to randomly selected 2 primary and secondary schools located in Istanbul province. Mothers of all children existed in the study universe were included into the study and mothers of a total of 214 children accepting to participate into the study have constituted the study sample. Data collection was performed using Child and Mother Information Form and Parental Acceptance - Rejection Questionnaire - Mother Form. Data were collected by face to face interviews with mothers.

Results: Results demonstrated that mother's age, educational level, number of children and monthly income have a significant negative association with rejecting behavior.

Conclusion: Gender of the child and family type have no significant association with mother-child relationship.

Background

The importance of mother-child relation is mentioned in various theories. Freud emphasises the effect of a healthy mother-child relation on child's future personality in his psychosexual development stages [4]. Similarly, Erikson states that the quality of mother-child interaction, caring, safety and autonomy feelings which the child gets from his mother, are vital concepts for the child to develop as healthy individuals [5]. Mother-child relation is absolutely crucial for 6-12 years children's psychosocial, cognitive and psychosexual development. A pediatric nurse should be aware of such problems stemming from mother-child relation and should strive to resolve such problems.

A pediatric nurse should search for health mother-child relation as well as the factors that might affect the relation negatively. She should provide support to the mother or the family whenever they need in order to establish a positive relation with their child [6]. Searching for the effects of certain sociodemographic characteristics such as Child's age, gender, number of siblings, age of parents, education status, occupation status etc on mother-child relation might contribute the preparation and implementation of mother-child education programmes within the scope of results of such searches mentioned above. Recognising of effects of socio demographic characteristics on mother-child relation is rather important in the planning of nursing interventions. Thus, the study aims to assess some Socio-demographic Characteristics with Mother-child Relationship in Mothers Who Have Children at Primary Schools.

Universe and Sample

The universe of the study included mothers of 6-12 years primary and elementary school children in Istanbul between the dates of October, 2015 and February, 2016. As fort he selection of schools, randomly selecting sampling technique was preferred and 2 primary and elementary school was selected accordingly in Istanbul. Between the dates stated above, mothers of 6-12 years children who have not diagnosed any health problems and mothers who are volunteer to participate in the study and also accept signing the information and approval forms both written and verbally were included in the sample group. Sample of the study consisted of 214 mothers meeting the needs of selection criteria and agreeing to participate in the study voluntarily.

Data Collection Tools

In the study data collection was performed using Child-Family Information Form and Parental Acceptance-Rejection Questionnaire (a.k.a Mother Form) data collection tools were explained in detail below:

Corresponding Author: Prof. Ayşe Ferda Ocäkçı̈k̈, School of Nursing, Koç Üniversitesi, Turkey. E-mail: aocakci@ku.edu.tr

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Child-Family Information Form

It is a questionnaire prepared by the researcher as a result of detailed scanning of the Literature in order to clarify demographic characteristics of the mothers included in the study and their families as well. For mothers, Child-Family Information Form consists of 12 items; child's age, gender, Parent's age, educational status and occupation.

Parental Acceptance - Rejection Questionnaire - Mother Form

The questionnaire, developed by Rohner, Savedro and Granum, was translated into Turkish by Polat and Sunar in 1986 and reviewed finally in 1993 by Anjel and Erkman. Its validity and reliability were tested on 229 mothers in Turkey. Total Alpha-coefficient was determined as 0.90. Re-test of the questionnaire was performed after two and three weeks respectively and its Pearson correlation Coefficient value was found as 0.46. due to the similarity between Mother’s Form and Child-Adult forms validity of the questionnaire was accepted as appropriate. The Parental Acceptance - Rejection Questionnaire (Mother Form) measures mothers' acceptance and rejection of their children from mothers’ perspectives. The Parental Acceptance - Rejection Questionnaire (Mother Form) is a Likert-type questionnaire consisting of four sub-dimensions and 56 items; Fondness and Love (20 items), Agression and Hostility (16 items), Indifference and Neglect (12 items) and Disaggregated Rejection (8 items).

Fondness and Love dimension of the tool assesses both parental acceptance including such emotions as fondness, affection and love and/or parental rejection including verbal or physical contemplations such as (I always tell good things about my child.). Agression and Hostility dimension measures the emotions felt by the parents for the child such as anger, hatred and malevolence (I scold and humiliate my child when he performs inappropriate behaviors.) Indifference and Neglect dimension of the tool evaluates parents' being indifferent and neglectful to their children. (I behave as if my child is not there). Disaggregated Rejection dimension measures the attitudes of mothers towards their children that might possible cause child's feeling himself worthless even if rejective behaviors do not exist apparently. (I do not know exactly whether I love my child or not).

Parental Acceptance - Rejection Questionnaire (Mother Form) is a four-options tool, scoring from 4 to 1 meaning: "always true", "sometimes true", "rarely true" and "never true". Items numbered 1, 5, 7, 8, 12, 14, 15, 18, 20, 24, 26, 27, 31, 33, 34, 38, 40, 41, 45, 47, 48, 51, 53, 54 and 56 are encoded reversely. Top score of the tool is 240 and the lowest score is 60. Scores of sub-dimensions and higher scores mean high level of rejection that is lower level of acceptance of the mothers to their children. Higher scores from sub-dimensions and in total scores suggests an unhealthy mother-child relationship. The tool includes the perception of mothers’ acceptance and rejection to their children and it can only be applied to mothers having 3+ years children [7].

Data Collection

Before collecting the required data for the study, mothers were informed by the researcher via face-to-face interviews. Following the informing process, volunteer mothers were signed written approval forms. During the data collection process, researchers were collaboratively with the school management and interviews with mothers were planned seperately for each grades. In these interviews mothers were enlightened about the process and content of the study by the researcher and they were asked to sign written approval forms to participate in the study. They were also applied data collection forms by the researcher. To the mothers who were not able to participate in the interviews, school principal sent the data collection forms and provided them information about the study. Volunteer mothers were invited to the school and they were asked to fill in the questionnaire by face-to-face interviews with the researcher. Each of the interviews lasted approximately 15-20 minutes.

Assessment of the Data

In the assessment of the data SPSS Statistics for Windows 22 Programme was used. As fort he bio-statistical analysis of the study, the measures taken into consideration were identified through mean, standart deviation, frequency and percentage values. Parental Acceptance - Rejection Questionnaire (Mother Form) was evaluated following the calculation of sub-dimensions' scores separately. For each of the dimensions, total score was calculated in the first hand, after that the mean score was calculated by taking the total scores of sub-dimensions into consideration. In order to identify the relation between two digital variables Pearson Correlation Analysis, to find out the difference between two groups “t-test” and to realize single direction variant analysis for independent groups Kruskal Wallis Test were benefited. Test statistics were evaluated according to p<0.05 significancy level [8].

Finding

| Number | %   |
|--------|-----|
| Educational Status |       |
| Primary | 47 | 22 |
| Elementary | 54 | 25.2 |
| High-school | 75 | 35 |
| University | 38 | 17.8 |
| Monthly Income |       |
| Minimum Wage | 19 | 8.9 |
| 1000-1500 TL | 34 | 15.9 |
| 1500-2000 TL | 32 | 15.0 |
| 2000-2500 TL | 65 | 30.4 |
| 2500-3000 TL | 36 | 16.8 |
| 3000 TL or more | 28 | 13.1 |
| Number of Children |       |
| 1 | 35 | 16.4 |
| 2 | 103 | 48.1 |
| 3 | 57 | 26.6 |
| 4+ | 19 | 8.9 |
| Type of Family |       |
| Extended | 40 | 18.7 |
| Nuclear | 174 | 81.3 |
| Social Security |       |
| Yes | 205 | 95.8 |
| No | 9 | 4.2 |

Table 1: Sociodemographic Characteristics (N=214).
Of the 214 participant mothers, (n=5) 2.3% of them are between the ages of 18-25, (n=80) 37.4% of them are between the ages of 26-33, (n=96) 44.9% of them are between the ages of 34-41 and (n=33) 15.4% of them are above the age of 42. Of the mothers, (n=38) 17.8% of them are university, (n=75) 36% of them are high school, (n=54) 25.2% of them are elementary school and (n=47) 22% of them are primary school graduates.

The mean ages of children are 9.19±1.91 (min=6, max=12) and (n=111) 51.9% of them are males, (n=103) 48.1% of them are females. Of the mothers, (n=35) 16.4% of them have only child, (n=103) 48.1% of them have two children, (n=57) 26.6% of them have three children and (n=19) 8.9% of them have four or more children. Of the families, (n=206) 95.8% of them have social-security, (n=9) 4.2% of them do not have social-security.

Of the families; (n=40) 18.7% of them are extended family and (n=174) 81.3% of them are nuclear family. As for the monthly income of the families; (n=19) 8.9% minimum wage, (n=34) 15.9% of them between 1000-1500 Turkish Liras, (n=32) 15% of them between 1500-2000 TL, (n=65) 30.4% of them between 2000-2500 TL, (n=36) 16.8% of them between 2500-3000 TL and (n=28) 13.1% of them earns 3000 TL or more (Table 1).

Lowest of the mean acceptance-rejection scores obtained from Parental Acceptance - Rejection Questionnaire (Mother Form) are detected in "disaggregated rejection" sub-dimension (19.91) and the highest score was found in "warmth-affection" sub-dimension (48.78) (Table 2).

A negative statistically significant relation was detected between "disaggregated rejection" sub-dimension of the Parental Acceptance - Rejection Questionnaire (Mother Form) and age of children. (r=-0.146, p=0.032 p< 0.05) (Table 2). A negative statistically significant relation was also detected between total score of Parental Acceptance - Rejection Questionnaire (Mother Form) and age of mothers. (r=-0.15, p=0.02, p<0.05) Not any statistically significant relation was observed between "Hostility&Aggression, Warmth&Affection and Disaggregated Rejection" subdimensions of Parental Acceptance - Rejection Questionnaire (Mother Form) (p> 0.05) (Table 3).

A positive statistically significant relation was detected between "Indifference-Neglect" subdimension of the Parental Acceptance - Rejection Questionnaire (Mother Form) and number of children in the family. (r=0.169, p=0.01, p<0.05) (Table 2) In addition, a positive statistically significant relation was found out between the "total score" of Parental Acceptance - Rejection Questionnaire (Mother Form) and number of children (r=0.182, p=0.007, p<0.05) (Table 2) in the family. Not any statistically significant relations were observed between mean scores of "Hostility&Aggression, Warmth&Affection and Disaggregated Rejection" subdimensions of Parental Acceptance - Rejection Questionnaire (Mother Form) and number of children in the family (p> 0.05) (Table 3).

Not any statistically significant relations were found out between mean scores of Parental Acceptance - Rejection Questionnaire (Mother Form) sub-dimensions and total score of participant mothers obtained from Parental Acceptance - Rejection Questionnaire (Mother Form) and monthly income of the family. (p> 0.05) (Table 3).

Not any statistically significant difference were detected between mean scores of participant mothers and gender of the children. (p> 0.05) (Table 4).

Not any statistically significant differences were detected between mean scores of participant mothers and gender of the children. (p> 0.05) (Table 4).

A statistically significant difference was identified between "warmth&affection" sub-dimension and educational status of the mothers. (KW= 8.25, p=0.001, p<0.05) When the educational status of the mothers are paid attention in "warmth&affection" sub-dimension, it is obvious that elementary school graduate mothers
have rejectionist attributes to their primary school children (Table 2).

The number of studies utilizing Parental Acceptance - Rejection Questionnaire (Mother Form) are fairly limited. In the literature, the studies, using Parental Acceptance - Rejection Questionnaire (Mother Form) in order to assess child's acceptance-rejection from mother's perspective, are usually conducted for pre-school children. In Ural et al.'s [10] study, analysing the relation between acceptance-rejection behaviors of mothers having pre-school children and social behavior control, it has been found out that mothers have high level of acceptance towards their pre-school age children. Similarly, Tepeli et al. [11] examined 5-6 yeared children's understanding of their own emotions in terms of mother's acceptance-rejection and suggested that mothers' acceptance is higher to their pre-school age children. Furthermore, Erkman and Rohner's [12] study, which deals with perceived mother acceptance of young individuals, suggests that mothers have higher level of acceptance towards their pre-school age children.

A statistically significant difference was identified between “warmth&affection” sub-dimension and educational status of the mothers. (KW=8.25, p=0.001, p<0.05) When the educational status of the mothers are paid attention in “warmth&affection” sub-dimension, it is obvious that elementary school graduate mothers have the highest scores. (49.50±2.68) (Table 5) A statistically significant difference was pointed between “Indifference&Neglect” sub-dimension of the Parental Acceptance - Rejection Questionnaire (Mother Form) and educational status of mothers. (KW=13.62, p=0.003, p<0.05) Furthermore; mean scores of elementary school graduate mothers are the highest for “Indifference&Neglect” sub-dimension. (24.75±4.01) (Table 5). It has been found out that there is a statistically significant difference between “total score” of mothers obtained from Parental Acceptance - Rejection Questionnaire (Mother Form) and their educational status. (KW=9.02, p=0.02, p<0.05) The elementary school graduate mothers have the highest score in this dimension. (130.59±7.56) (Table 5) Additionally, “agression&hostility” and “disaggregated rejection” sub-dimensions of Parental Acceptance - Rejection Questionnaire (Mother Form) do not include any statistically significant difference regarding educational status of mothers (Table 5).

**Discussion**

At the present study acceptance-rejection mean scores of the mothers they obtained from Parental Acceptance - Rejection Questionnaire (Mother Form) are higher than the mean scores of Onder and Gılay's [9] study in which they look into the relation between mothers' acceptance-rejection levels to their children as well as the empathy skills of 4-5 and 6th grades students. Higher scores refer higher level of rejection by the mother. According to results of the present study, mothers have rejectionist attributes to their primary school children (Table 2).

**Table 5: The Relation Between Educational Status of Mother and Total-subdimension scores of Mother Form (N=214).**

| EKRO                              | Educational Status          | P       |
|-----------------------------------|----------------------------|---------|
|                                   | Primary X±SD               | Elementary X±SD | HighSchool X±SD | University X±SD |
| Warmth-Affection                  | 48.44±3.46                 | 49.50±2.68   | 48.25±2.95     | 49.23±2.2       | 0.04   |
| Agression-Hostility               | 35.85±3.70                 | 36.42±3.51   | 35.84±3.30     | 35.50±3.45      | 0.69   |
| Indifference-Neglect              | 22.46±4.75                 | 24.75±4.01   | 23.70±4.66     | 21.92±3.55      | 0.003  |
| Disaggregated Rejection           | 20.10±2.14                 | 19.90±1.77   | 19.72±1.52     | 20.07±1.26      | 0.66   |
| Total score                       | 126.87±9.39                | 130.59±7.56  | 127.52±8.38    | 126.73±7.20     | 0.029  |
Questionnaire (Mother Form) and they put forth that maternal acceptance-rejection behaviors do not show any difference according to gender. Many of the studies, searching the relation between parental acceptance-rejection levels and gender of the children supports the idea that gender of the children has not any influence on parental acceptance-rejection behaviors [15,16,17,12,6,18,10,8]. On the other hand, different views on that issue are available in the literature. Ummunle [19] reported in his study that sub-dimension scores of mothers from “Warmth and Love”, “Aggression and Hostility”, “Indifference and Neglect” do not differentiate significantly in terms of gender of the children. Nevertheless, “Disaggregated Rejection” levels do indicate certain difference according to gender of the children. Haktanır et al. [20] remarked in their study that expectations of families might differ according to gender of the children and parental behaviors and attributes towards the children are shaped accordingly.

According to findings of the present study, as mothers aging their “Indifference and Neglect” levels towards their 6-12 years children decreases or vice versa. Total score of Parental Acceptance - Rejection Questionnaire (Mother Form) indicates maternal acceptance-rejection to their children. So that it might be deduced that as mothers grow older they perform more acceptable behaviors and establish healthier relations with their children (Table 3). Erkan and Toran [14] found out a positively significant but statistically weak relation between age of mothers and total scores obtained from Parental Acceptance - Rejection Questionnaire (Mother Form). So, mothers from lower socioeconomic group get older lead to increase in the level of rejection towards their children. In the overall review of Haktanır et al. [20](16) of 75 studies about mother-child relation, it was stated that age of mothers did not have a significant influence on on behaviors towards their children. However, Campo and Rohner [21] reported in their study that as mothers getting older their behaviors towards their children change significantly in negative way.

Participant mothers’ “Indifference-Neglect” sub-dimension scores indicate statistically significant difference from their educational status (Table 5). When the mean scores of mothers are observed, it is clear that primary school graduate mothers have the highest scores. That means primary school graduate mothers neglect their 6-12 years children more compared to others. Erkan and Toran assert in their study that as mothers educational level decreases, their rejection behaviors increase and vice versa [14] (13). In many other studies, it has been put forth that increase in mothers’ educational levels rises the percentage of their aceptable behaviors and decrease in their educational levels increase their rejective-negative behaviors towards their children [22,23,20,3,24]. A statistically positive significant relation is detected between participant mothers’ “Indifference-Neglect” sub-dimension scores and number of children in the family. Thus; increasing number of children means more “Indifferent and Neglectful” behaviors for participant mothers (table 3). In their study Erkan and Toran [14] ascertained that there is a statistically positive relation between total score of Parental Acceptance - Rejection Questionnaire (Mother Form) and number of children mothers have. So that; it is possible to mention that increase in the number of children for mothers of lower socioeconomic status is the reason for increase in rejective behaviors they perform towards the children. Studies on this issue clarify that in families with many children mothers have negative influence on children’s social development; they behave as punishers and they become more indifferent and neglectful towards their children by transferring mothering role to their elder child. They also insufficient to meet their children’s psychological and physiological needs [23].

Participant mothers sub-dimension and total scores are not directly related with their monthly income. There is not statistically significant relation between mothers’ scores obtained from Parental Acceptance - Rejection Questionnaire (Mother Form) and monthly income of the family (Table 3). According to results of the present study; monthly income of the family does not affect mother’s acceptance-rejection behaviors. Raver’s [25] study on mothers from lower socioeconomic status reveals opposite findings from ours. Raver [25] asserts in his study that lower income level of the family cause a drop in mother’s care and affect the physchological adaptation of the mother negatively as well. Additionally, in the study carried out by Demiriz and Öğretir [26], analyzing mother attributes of 10 years children 300 in total -143 girls, 157 boys- it has been reported that mothers from lower socioeconomic status are more protective, more rejective to their mothering roles, more quarrelsome in the family and more disciplined towards their children. Similar findings exist in various studies conducted in our country. Altan [22] stated that lower socioeconomic groups mothers’ children perceive more maternal rejectional ness maternal warmth. Çakıcı compared acceptance and rejection behaviors of mothers from both lower and higher socioeconomic status and deduced that mothers of lower socioeconomic group have more rejective behaviors [17]. In other studies conducted in our country , it was reported that increase in the number of family members leads to a decrease in mother’s care of her child, hinders her mothering role, and reasons for performing indifferent and neglectful behaviors to her child.

Conclusion

The present study has demonstrated that sociodemographic characteristics of mothers such as age, educational status, number of children and monthly income have significant effect on their acceptance-rejection behaviors. However, gender of the children and type of the family have no significant effect on acceptance-rejection behaviors.

According to results of the present study the following issues might be recommended;

- Pediatric nurses should conduct researches with larger sample groups in order to determine problematic issues for mother-child relations.
- Pediatric nurses should plan family-centered educational programmes. The nurse should explain clearly to the family their children are social and psychosocial beings and the family should also be informed on characteristics of their children’s development stages, emotional needs and the importance allocating time for them.
- In order to support developmental characteristics of the child at school, the concept of “school nurse” should be placed and ensured to function appropriately. School nurse should deliver related services by taking the child’s developmental characteristics into consideration. School nurse should plan growth and development monitoring for children at regular intervals. Children should be provided family-centered care at schools. School nurse should monitor child’s interaction with his family, especially his mother and the nurse should provide consultancy about mother-child relation when needed.

Competing Interests

The authors declare that they have no competing interests.
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