

PAKISTAN BIOMEDICAL JOURNAL

https://www.pakistanbmj.com/journal/index.php/pbmj/index Volume 6, Issue 6 (June 2023)



Original Article

Knowledge, Attitude and Practice towards Exclusive Breastfeeding among Lactating Mothers visiting Sir Ganga Ram Hospital, Lahore: A Descriptive Cross-Sectional Study

Yusra Fawad¹, Bahisht Rizwan², Hafiza Madiha Jaffar², Maha Ikram¹, Azeen Rehman¹, Jawaria Safdar¹, Eeman Fatima¹, Wajid Ali Zain¹, Abdullah Tahir Cheema¹

¹University Institute of Diet and Nutritional Sciences, Faculty of Allied Health Sciences, The University of Lahore, Lahore, Pakistan ²University Institute of Diet and Nutritional Sciences, Faculty of Allied Health Sciences, The University of Lahore, Lahore, Pakistan

ARTICLE INFO

Key Words:

Knowledge, Attitude, Practices, Lactating Mothers, Breastfeeding, Infant health

How to Cite:

Fawad, Y. ., Rizwan, B., Jaffar, H. M., Ikram, M. ., Rehman, A.., Safdar, J..., Fatima, E.., Zain, W.A.., & Tahir Cheema, A. . (2023). Knowledge, Attitude and Practice towards Exclusive Breastfeeding among Lactating Mothers visiting Sir Ganga Ram Hospital, Lahore: A Descriptive Cross-Sectional Study: Exclusive Breastfeeding among Lactating Mothers. Pakistan BioMedical Journal, 6(06). https://doi.org/10.54393/pbmj.v6i06.888

*Corresponding Author:

Bahisht Rizwan

University Institute of Diet and Nutritional Sciences,

Faculty of Allied Health

Sciences, The University of Lahore, Lahore, Pakistan bahisht.rizwan@dnsc.uol.edu.pk

Received Date: 3rd June, 2023 Acceptance Date: 24th June, 2023 Published Date: 30th June, 2023

ABSTRACT

Breastfeeding is important public health issues having numerous benefits for both infants and mothers but rates of exclusive breastfeeding remain low throughout the world. Several studies have investigated the factors that influence breastfeeding behaviors including maternal education, social support, and cultural beliefs. However, there is still much to be learned about the knowledge, attitudes, and practices of lactating mothers and how these factors affect breastfeeding outcomes. Objective: To assess knowledge, attitude, and practices of exclusively breastfeeding among lactating women attending Sir Ganga Ram Hospital. Methods: The cross-sectional study is carried out in Sir Ganga Ram Hospital, Lahore. The study is conducted in 4 months from February 2023 to May 2023. SPSS version 21.0 is used for data analysis. In this research, all individuals aged from 18 to 40 years; mothers having infant of from 0-24 months from Pediatric, Gynecology Wards and OPD were included. In exclusion criteria: non-cooperative mothers. Mothers with psychological problems were not bothered. Mothers with severely ill infants (e.g., cleft palate) Results: 54% of mothers were within normal ranges of BMI and only 4% were within the range of obesity. In our study, 46% of lactating mothers had 1-2 children and 13% had 5 or more than 5 children. 67% of mothers believed breastfeeding helped gain optimal weight gain.44% of mothers gave their child colostrums. About 28 Children <4 months were breastfed less than 4 times. Conclusion: The study shows that mothers were well informed and had proper knowledge, positive attitude and behavior towards breastfeeding. Most of the lactating mothers know the benefits of breastfeeding for 2 years.

INTRODUCTION

Human milk or breast milk is an ideal food for newborn babies and infants [1]. As breastfeeding is beneficial for infants, it is also beneficial for mothers. It decreases the risk of breast and ovarian cancer in females [2]. There are significant benefits for the babies that were fed on breast milk for the first two years after birth [3]. Breast milk is a unique combination of all the vital nutrients and antioxidants an infant's body needs to grow mentally and physically [4]. WHO has recommended that breastfeeding should start in the first hour of birth and continue till 6 months without any other food or liquid. Weaning should start at the age of 6 months but breastfeeding should not be discontinued until the age of 24 months. Children who did not receive complementary meals on time had a greater risk of wasting. Infants who did not obtain the required amount of nutritional diversity had a greater risk of being underweight than those who did. In comparison to their counterparts who received the minimal feeding frequency,

children who did not receive it were more likely to be stunted. Hence it is proved that infant malnutrition is predisposed by inadequate complementary feeding [5]. According to several studies, the attitude of a mother towards breastfeeding is very important for initiation, duration and decision regarding breastfeeding [6]. So, it has been found that to raise the rate of exclusive breastfeeding, it is vital to boost education before and after birth, refrain from using any other nutrition, pacifiers, or bottles after delivery, and spend appropriate time with the infant [7]. The knowledge about breastfeeding is very important as if a mother has proper knowledge about breastfeeding, it will help her in the process and same goes with the attitude of a mother towards breastfeeding and the health of her child. Improved Knowledge and attitude could contribute in increasing the prevalence of exclusive breastfeeding in both working and non-working mother[8]. Regular continuous individualized prenatal education and postnatal assistance can effectively enhance rates of exclusive breastfeeding from birth to 4 months postpartum and modify breastfeeding behavior [9]. Exclusive Breastfeeding was predicted by age, anticipated pregnancy, postpartum education, frequent nighttime nursing, and formula introduction time. Pregnant adolescents may begin nursing sooner if the pregnancy is planned and the family and medical professionals educate and promote breastfeeding. As a result, methods for improving breastfeeding programs should be developed [10]. Undoubtedly, breastfeeding exclusively is a crucial infant feeding method that helps ensure children's health and wellness, particularly in developing and underdeveloped nations. This feeding technique not only ensures a child's survival but also benefits the mother's health and offers defense against several noncommunicable illnesses [11]. Even though many mothers were aware of the value of colostrum, the statistics show that more work must be done to change people's knowledge, attitudes, and practices towards colostrum feeding [12]. The world's exclusive breastfeeding rate is now at 38%, but the World Health Assembly set a goal in 2012 to raise it to at least 50% by 2025 [8]. Despite these guidelines, it has been shown throughout the time that the practice of exclusive breastfeeding has not been widely embraced; most women support the notion but do not exclusively nurse their babies for the first few weeks after giving birth. Numerous aspects, including cultural, societal, and economic circumstances, have been noted as potential barriers to the effective practice of exclusive breastfeeding [13]. The BSP proved to be an efficient technique for delaying any breastfeeding cessation, hence increasing breastfeeding length and exclusivity. Also, this intervention could help promote breastfeeding if implemented widely [14]. Health education programs and neonatal feeding strategies are affected by late breast-feeding initiation [15]. More noteworthy public mindfulness, regulations that support breastfeeding in broad daylight and the work environment, as well as help of relatives may all be critical to effective breastfeeding [16]. To improve exclusive breastfeeding practice, it was suggested that women be educated, husbands be engaged, antenatal care follow-up be encouraged, and exclusive breastfeeding counseling be provided during antenatal care [17].

METHODS

The cross-sectional study is carried out in Sir Ganga Ram Hospital, Lahore. The study is conducted in 4 months from February 2023 to May 2023. SPSS version 21.0 is used for data analysis. In this research, all individuals aged from 18 to 40 years; mothers having infant of from 0-24 months from Pediatric, Gynecology Wards and OPD were included. In exclusion criteria: non-cooperative mothers. Mothers with psychological problems were not bothered. Mothers with severely ill infants (e.g., cleft palate).

RESULTS

Table 1 demonstrates the demographic characteristics of the participants; number of children, BMI of mother, Maternal Employment status, General Health status of mother, education level of mothers. In the above table majority (54%) of mothers are at normal BMI and about 28% are underweight., whereas most of the mothers below to age of 21-25 years. About 75% having C-section delivery, most of the mothers have 1-2 numbers of children. 54% below to urban area and 42% are Illiterate and 39% are graduate or above. 68% are housewives, 46% mothers have good health status.

Table 1: Demographic Characteristics of Participants

Number of Children	Frequency		
1-2	46		
3-4	40		
5 or more	13		
Type Of Delivery	Frequency		
Normal	43		
C-section	57		
BMI Of Mother	Frequency		
<18.5	28		
18.5-24.92	54		
5-29.9	14		
30-34.9	4		
Family Background	Frequency		
Rural	44		
Urban	56		
Maternal Education Level	Frequency		
Illiterate	42		
Intermediate	19		
Graduate or above	39		

DOI: https://doi.org/10.54393/pbmj.v6i06.888

Maternal Employment Status	Frequency			
Housewife	68			
Service	32			
Socioeconomic status	Frequency			
А	26			
В	54			
С	20			
General Health Status Of Mother	Frequency			
Healthy	30			
Good	46			
Poor	24			

Table 2 demonstrates the importance of breastfeeding, age gap between children, benefits of breastfeeding, initiation of breastfeeding, effect of bonding between mother and child, benefits of formula milk and if anyway breastfeeding can harm your child.

Table 2: Knowledge of lactating mothers towards exclusive breastfeeding

		Frequency			
Do you know the importance of Breast feeding?	Yes		No		
	9	91		9	
Do you think Breastfeeding can harm your child in anyway?	Frequency				
	Yes		No		
	16		84		
Do you think formula milk can be			quency	1	
beneficial to your child	1 year	2 year	3 year	4 year	
benenolar to your child	31	41	23	5	
Do you think breastfeeding is beneficial for mother?	Frequency				
	Yes		No		
	85		14		
	Frequency				
At what time did you initiate breastfeeding to your child after delivery?	1 hr. of birth	Between 1-4hrs	24hrs of birth		
	27	31	17	25	
Is there any effect of breast feeding between the mother and child bond?	Frequency				
			lo Bonding fect decrease		
	86	1	4	0	

Table 3 demonstrates the changes in the body due to breastfeeding, nutritive value of substitute formula milk is same as the mother milk, extra food than breast milk and is it necessary to give water along with breast milk and if fenugreek and almonds can improve production of milk.

Table 3: Attitude of lactating mothers towards exclusive breastfeeding

Can fenugreek and almonds improve milk production?	Fre	Frequency		
	Yes	No		
	53	47		
Is it necessary to give water along with breast milk?	Fre	Frequency		
	Yes	No		
	23	77		
Can breastfeeding bring any changes in the body shape?	Fre	Frequency		
	Yes	No		
	80	20		

The nutritive value of substitute formula milk is same as the mother milk?	Frequency			
	Yes	No		
	48	52		
Do you feel comfortable giving extra food rather than breast milk to your infant?	Frequency			
	Yes	No		
	56	44		

Table 4 demonstrates the questions regarding practices of exclusively breastfeeding; demand of breastfeeding, colostrums feeding, breastfeeding during illness of child and your illness, first nutrient to your baby.

Table 4: Practices of lactating mothers towards exclusive breastfeeding

	Frequency			
Do you breastfeed on demand?	Yes		No	
	74		26	
	Frequency			
How frequently do you feed your child during the night?	1-3 times		More than 3 times	
	47		53	
	Frequency			
Did you give colostrum to your baby?	Yes		No	
	44		56	
Does excusive Breastfeeding help the child to gain optimal weight?	Frequency			
	Yes No		Don't Know	
	57	33		10
If you use formula milk do you know the exact method to make the	Frequency			
	Yes		No	
formula?	92		8	
B	Frequency			
Do you continue breastfeeding during your illness?	Yes		No	
your initess:	68		32	
Danis and an income to the second sec	Frequency			
Do you continue breastfeeding if your child is sick?	Yes		No	
	74		26	
What was the first nutrient given to the baby?	Frequency			
	Honey		ain ter	Breast milk
	77	'	l	22

DISCUSSION

The research was conducted to study the knowledge, attitude and practices of exclusive breastfeeding in lactating mothers by visiting Sir Ganga Ram Hospital, lactating mothers were selected through non-probability convenient sampling technique. According to the results, 46% of lactating had 1-2 children, 40% lactating mothers had 3-4 children while 13% had 5 or more children. In addition, the socioeconomic status of lactating mothers and their family also contribute, 26% mothers belong to upper class, 54% belongs to middle class and 20% belongs to poor class category. Moreover, the health status of a mother is also associated with the health of an infant. The results have shown that 30% of mothers are healthy, 46% are in good status of health while 24% of mothers had a poor health status. Furthermore, the maternal employment status also effects the continuation of

breastfeeding till optimal age. The results have shown that 68% lactating mothers are housewife and 32% of them are working women. The maternal education of mothers also had a huge impact on the knowledge, attitude and practices of lactating mothers towards exclusive breastfeeding, the illiteracy level of lactating mothers is 42% while 19% of mothers has intermediate level education and 39% are graduated. Similarly, a survey was conducted and published by John Elflein in 2017. The results showed that majority 90% of mothers were graduated and they initiated breastfeeding and continued it while 69% had less education or diplomas [18]. Current studies have shown that most of the lactating mothers have proper knowledge, a positive attitude towards breastfeeding and they practice breastfeeding till 2 years after the birth. The study is conducted among 100 lactating mothers out of which 56% mothers considered colostrum is good for baby's health while 38% mothers had no idea what colostrum is and 6% mothers do not consider it beneficial. While 68% mothers also believe that it is fine to continue breastfeeding during their illness and 32% mothers do not feed their infant when they are not feeling well. Similarly, a cross-sectional study was conducted by Bashir et al., in 2018 [19]. By using interviews and semi structured questionnaire, data were gathered. In this study conducted among 100 lactating mothers we have also concluded that 83% of mothers stated that they have practiced breastfeeding after the birth of their child while 17% did not practice breastfeeding and they believe formula milk could fulfill the nutritional needs of their child. Similar results were found in a crosssectional study was conducted by Ayalew in 2016 [20]. It is a community-based study. The purpose of this crosssectional study was to determine the prevalence and factors among first-time mothers about exclusive breastfeeding. Results shows that 57.3% of women out of 400 used exclusive breastfeeding 24 hours before the survey. Compared to the nationally advised threshold, a significant number of moms practiced exclusive breastfeeding at a low level. These findings suggest that in order to increase exclusive breastfeeding among first-time mothers, multidisciplinary and intersectoral strategies are required [19]. This study also revealed that among 100 lactating mother, 65% mothers have proper knowledge about breastfeeding and only 35% mothers have very less or no knowledge about breastfeeding. In this survey we have concluded that 65% mothers breast feed their child for first 6 months while 35% mothers did not give breast milk to their infant for 6 months after birth. Similar type of study was conducted by the authors of this cross-sectional study was Hegazi et al., and this study was conducted in 2019 [21]. This study was conducted to find out the prevalence of Exclusive breastfeeding and variables influencing this type of breastfeeding. The data were collected from 420 breastfeeding mothers. The results of this study indicate that six-month prevalence of Exclusive breast feeding was 27.6%, which is significantly lower than what the World Health Organization recommends [20]. According to this study we have concluded, 68% mothers consider formula milk beneficial to the health of their infant while 32% of lactating mothers do not think that giving formula milk instead of breast milk is beneficial for the baby's health. In another factor, lactating mothers were asked the time of initiation of breastfeeding after the birth. Among 100 lactating mothers, 27% start breastfeeding within the 1st hour after delivery, 31% of them initiated breastfeeding within 1-4 hours after delivery, 17% of mothers fed their child breastmilk within 24 hours while only 25% of mothers initiated breastfeeding from 2nd day onwards. A similar study took place by Yilmaz et al., in 2016 [10]. In present research, early breastfeeding initiation, the prevalence of Exclusive Breastfeeding throughout the first six months, 200 adolescent mothers having children aged 6 to 24 months participated in this cross-sectional research. The proportion of patients who began breastfeeding within one hour was 45.5%. As the baby's first source of nourishment, 74% of adolescent moms chose nursing over any sort of formula [10]. The current study has shown that duration of breastfeeding and the health of the baby is very much dependent on the employment status of the mother. In the results, data collected from 100 lactating mothers, 40% mothers were housewife and considered that breastfeeding is the best way to feed the child while 28% of them think that formula milk is also a good option. On the other hand, 15% working mothers consider formula milk is good for the health of the infant and it is easily available while 17% working mothers do not give formula milk to their child. From another similar cross-sectional study, carried out by Salcan et al., in 2016 [7]. The study is done among 100 lactating mothers out of which 86% mothers stated that bonding increases between mother and child while 17% mothers think that breastfeeding has no effect of any type on mother-child bonding. A similar study was conducted by the authors Hongo et al., in 2015 [23]. In this study, the relationship between breastfeeding satisfaction, length of the breastfeeding, and exclusivity among mothers and baby-friendly breastfeeding support was described. Results shows that early skin-to-skin contact with newborns increased the pleasure of breastfeeding among nursing mothers compared to mothers who did not do skin to skin contact. When compared to mothers who did not intend to breastfeed exclusively, those who were encouraged to do so were more likely to breastfeed exclusively at one month and to believe that breastfeeding is beneficial to their child [17]. The current study has shown

the positive attitude and practices towards breastfeeding. The frequency of night time breastfeeding is calculated through given questionnaire to lactating mothers. The results are that 53% of lactating mother breastfeed their child more than 3 times at night while 47% mothers give feed to their child 1-3 times at night. The authors of this cross- sectional study are Carillo-Diaz et al., and this research was conducted in 2021. This study was conducted to evaluate the relationship between early childhood carries (ECC) and nighttime breastfeeding. 212 children (aged 2-4 years) who breastfed at night was evaluated. Less than 18 months of breastfeeding resulted in a lower dft index for the group (p = 0.02). Furthermore, there were significant differences in the dft index between cosleepers for eighteen months or more and those who coslept for less than eighteen months (p 0.05), as well as between co-sleepers for eighteen months or more and those who did not co-sleep (p 0.01). Hence, it is proved that nighttime nursing after 18 months is thought to increase the likelihood of early childhood carries [24]. From the current study we have derived the knowledge, attitude and behavior of lactating mothers towards colostrum feeding. Among 100 lactating mothers, 56% mothers consider colostrum is good for infant while 6% mothers think it is bad for the health of infant and 38% have no idea what colostrum is and how it is important for the newborn. Another question that was asked to lactating mothers is if they see any counsellor or health care provider if they face any difficulty during breastfeeding, 19% mothers said that they consult to health care provider if they face any issue regarding breastfeeding while 81% mothers do not consult to any health care professional. The cross-sectional study was conducted by Aisha R et al., in 2014 [12]. The main goals of this research are to assess the understanding of pregnant women about the necessity of colostrum feeding and to encourage the practice of colostrum feeding. This research revealed that 35% of women learned about colostrum during prenatal visits, whereas 65% of women learned about them from the healthcare provider. Only 6% of moms were aware that the milk is beneficial for newborns. Only 9% women were aware of its protective qualities and knew that it aids in improving fetal development and infection prevention. While 35% of women believed that there is something toxic that is not good for the infant, 25% of women requested that this is the milk that should be fed to the baby, and 15% of women asked that this is the milk that should be thrown before feeding. Only 14% of the women in this survey recognized that the ideal time for feeding colostrum is shortly after delivery (1/2-1 hour), but 86% of women began feeding after 6 - 24 hours. 39% of the women had no knowledge about colostrum [12]. The current study has shown that most of

the lactating mothers believe that exclusive breastfeeding helps in gaining optimal weight. The results have concluded from 100 lactating mothers out of which 57% lactating mothers think that exclusive breastfeeding helps child in gaining optimal weight, 33% lactating mothers do not believe that exclusive breastfeeding has any role in child's development or gaining optimal weight while 10% mothers do not have any knowledge about the link between exclusive breastfeeding and optimal weight. This study was conducted by Rito et al., 2015 and its purpose was to find out the relationship between infant obesity and early life characteristics like breastfeeding, exclusive breastfeeding, and birth weight. Results shows that obesity prevalence rates were highest in Spain (17.7%), 2nd highest in Malta (17.2%), and then in Italy (16.8%). The percentage of infants who were exclusively breastfed for 6 months was greatest in Tajikistan (94.4%). In comparison to children who had been nursed for at least six months, the pooled study revealed that children who had never been breastfed or who had only received general or exclusive breastfeeding had increased probabilities of being fat [25].

CONCLUSIONS

Exclusive breastfeeding is an essential practice that provides optimal nutrition and protection to infants. It is essential to understand the knowledge, attitude, and practices of lactating mothers towards exclusive breastfeeding. The study found that mothers had a positive attitude towards exclusive breastfeeding and had good knowledge about its benefits. Significant number of lactating mothers had knowledge of breastfeeding and its importance while insignificant number of mothers thinks that formula milk could be beneficial to their infant. Most of the mothers exclusively breastfed their infants for 6 months while insignificant number of mothers exclusively breastfeed their infant for less than 4 months.

Authors Contribution

Conceptualization: YW, BR HMJ Methodology: HMJ, MI, AR, JS Formal Analysis: MI, AR, JS

Writing-review and editing: YW, BR, EF, WAZ, ATC

All authors have read and agreed to the published version of the manuscript.

Conflicts of Interest

The authors declare no conflict of interest.

Source of Funding

The authors received no financial support for the research, authorship and/or publication of this article.

REFERENCES

[1] Labbok MH. Effects of breastfeeding on the mother.

- Pediatric Clinics of North America. 2001 Feb; 48(1): 143-58. doi: 10.1016/S0031-3955(05)70290-X
- [2] Diana R and Adi AC. Mother's knowledge, attitude, and practice of exclusive breastfeeding. Indian Journal of Public Health Research and Development. 2019 Mar; 10(3): 887-92. doi: 10.5958/0976-5506.2019.00614.4
- [3] Alimoradi F, Javadi M, Barikani A, Kalantari N, Ahmadi M. An overview of importance of breastfeeding. Journal of Comprehensive Pediatrics. 2014 May; 5(2). doi:10.17795/compreped-14028
- [4] Choi HJ, Kang SK, Chung MR. The relationship between exclusive breastfeeding and infant development: A 6-and 12-month follow-up study. Early human development. 2018 Dec; 127: 42-7. doi: 10.1016/j.earlhumdev.2018.08.011
- [5] Udoh EE and Amodu OK. Complementary feeding practices among mothers and nutritional status of infants in Akpabuyo Area, Cross River State Nigeria. SpringerPlus. 2016 Dec; 5: 1-9. doi: 10.1186/s40064-016-3751-7
- [6] Mitchell-Box K, Braun KL, Hurwitz EL, Hayes DK. Breastfeeding attitudes: association between maternal and male partner attitudes and breastfeeding intent. Breastfeeding Medicine. 2013 Aug; 8(4): 368-73. doi: 10.1089/bfm.2012.0135
- [7] Salcan S, Topal I, Ates I. The frequency and effective factors of exclusive breastfeeding for the first six months in babies born in Erzincan Province in 2016. The Eurasian journal of medicine. 2019 Jun; 51(2): 145. doi: 10.5152/eurasianjmed.2018.18310
- [8] Yasser Abulreesh R, Abdullah Alqahtani I, Yahya Alshehri Z, Ali Alsubaie M, Nasser Alburayh S, Mohammed Alzamil N, et al. Attitudes and Barriers to Breastfeeding among Mothers in Princess Nourah Bint Abdulrahman University, Riyadh, Kingdom of Saudi Arabia. The Scientific World Journal. 2021 Jul; 2021: 1-9. doi: 10.1155/2021/5585849
- [9] Huang P, Yao J, Liu X, Luo B. Individualized intervention to improve rates of exclusive breastfeeding: A randomised controlled trial. Medicine. 2019 Nov; 98(47). doi: 10.1097/MD.0000 000 000017822
- [10] Yılmaz E, Yılmaz Z, Isık H, Gultekin IB, Timur H, Kara F, et al. Factors associated with breastfeeding initiation and exclusive breastfeeding rates in Turkish adolescent mothers. Breastfeeding Medicine. 2016 Aug; 11(6): 315-20. doi: 10.1089/bfm.2016.0012
- [11] Boateng M. Knowledge, attitude and practice of exclusive breastfeeding among mothers in Techiman, Ghana.
- [12] Aisha R, Batool F, Sultana S. Knowledge, attitude and practices about colostrum feeding among pregnant

- women in military hospital Rawalpindi of Pakistan. Open Journal of Nursing. 2016; 6(04): 309. doi: 10.4236/ojn.2016.64032
- [13] Tampah-Naah AM and Kumi-Kyereme A. Determinants of exclusive breastfeeding among mothers in Ghana: a cross-sectional study. International breastfeeding journal. 2013 Dec; 8(1): 1-6. doi: 10.1186/1746-4358-8-13
- [14] Van Dellen SA, Wisse B, Mobach MP, Dijkstra A. The effect of a breastfeeding support programme on breastfeeding duration and exclusivity: a quasi-experiment. BMC Public Health. 2019 Dec; 19(1): 1-2. doi: 10.1186/s12889-019-7331-y
- [15] Shehata WA, Aladawy MA, Bioumy AM. Myths and Facts About Breast Feeding in Primary Health Care Center in Sohag, Egypt. The Egyptian Journal of Hospital Medicine. 2021 Oct; 85(1): 3109-15. doi: 10.21608/ejhm.2021.194066
- [16] Jia Choo P, Ryan K. A qualitative study exploring first time mothers' experiences of breastfeeding in Singapore. Proceedings of Singapore Healthcare. 2016 Mar; 25(1): 5-12. doi: 10.1177/2010105815615992
- [17] Jama A, Gebreyesus H, Wubayehu T, Gebregyorgis T, Teweldemedhin M, Berhe T, et al. Exclusive breastfeeding for the first six months of life and its associated factors among children age 6-24 months in Burao district, Somaliland. International breastfeeding journal. 2020 Dec; 15: 1-8. doi: 10.1186/s13006-020-0252-7
- [18] France: higher education attainment 202. Statista. 2022.8(16), 367-424. https://www.statista.com/topics/7719/higher-education-in-france/#topicOverview
- [19] Bashir A, Mansoor S, Naikoo MY. Knowledge, attitude, and practices of postnatal mothers regarding breastfeeding: A cross-sectional study. International Journal of Medical Science and Public Health. 2018 Sep; 7(9): 725. doi: 10.5455/ijmsph.2018.0309301062
- [20] Ayalew T. Exclusive breastfeeding practice and associated factors among first-time mothers in Bahir Dar city, North West Ethiopia: A community based cross sectional study. Heliyon. 2020 Sep; 6(9). doi: 10.1016/j.heliyon.2020.e04732
- [21] Hegazi MA, Allebdi M, Almohammadi M, Alnafie A, Al-Hazmi L, Alyoubi S. Factors associated with exclusive breastfeeding in relation to knowledge, attitude and practice of breastfeeding mothers in Rabigh community, Western Saudi Arabia. World journal of pediatrics. 2019 Dec; 15: 601–9. doi: 10.1007/s12519-019-00275-x
- [22] Khatun H, Comins CA, Shah R, Munirul Islam M,

DOI: https://doi.org/10.54393/pbmj.v6i06.888

- Choudhury N, Ahmed T. Uncovering the barriers to exclusive breastfeeding for mothers living in Dhaka's slums: a mixed method study. International Breastfeeding Journal. 2018 Dec; 13: 1-1. doi: 10.1186/s13006-018-0186-5
- [23] Hongo H, Nanishi K, Shibanuma A, Jimba M. Is baby-friendly breastfeeding support in maternity hospitals associated with breastfeeding satisfaction among Japanese mothers?. Maternal and Child Health Journal. 2015 Jun; 19: 1252-62. doi: 10.1007/s10995-014-1631-8
- [24] Carrillo-Díaz M, Ortega-Martínez AR, Ruiz-Guillén A, Romero-Maroto M, González-Olmo MJ. Impact of breastfeeding and cosleeping on early childhood caries: A Cross-Sectional Study. Journal of Clinical Medicine. 2021 Apr; 10(8): 1561. doi: 10.3390/jcm100 81561
- [25] Rito AI, Buoncristiano M, Spinelli A, Salanave B, Kunešová M, Hejgaard T, et al. Association between characteristics at birth, breastfeeding and obesity in 22 countries: The WHO European Childhood Obesity Surveillance Initiative–COSI 2015/2017. Obesity facts. 2019 Apr; 12(2):226-43.doi:10.1159/000500425