Maternal Practices in Care of their Infants at El-fayoum Governorate: An Assessment Study

Thesis

Submitted for Partial Fulfillment of Master Degree in Pediatric Nursing

By

Radwa Ismail Ibrahim Mohammed

(B.Sc. Nursing)

Faculty of Nursing – Zagazig University, 2008

Clinical Instructor at Pediatric Nursing Department

Faculty of Nursing- El-Fayoum University

Faculty of Nursing
Ain Shams University
-2016 -

Maternal Practices in Care of their Infants at El-fayoum Governorate: An Assessment Study

Thesis

Submitted for Partial Fulfillment of Master Degree in Pediatric Nursing

Supervisors

Prof. Wafaa El-Sayed Ouda

Professor of Pediatric Nursing
Faculty of Nursing
Ain Shams University

Dr. Madiha Amin Morsy

Assist. Prof. of Pediatric Nursing
Faculty of Nursing
Ain Sham University

Faculty of Nursing
Ain Shams University
- 2016 -



First, I'm forever grateful to *Allah almighty* for giving me the ability and strength to fulfill this work.

I'd like to express my deep appreciation to **Dr. wafaa El-Sayed Ouda,** Professor of Pediatric Nursing, Ain Shams University, for her constant support, constructive criticism and valuable supervision. So, I couldn't have been able to complete this work without her after Allah.

I'm also very grateful to *Dr. Madiha Amin Morsy*, Assistant Professor of Pediatric Nursing, Ain Shams University, who spared no effort in giving me precious help throughout my work and her important role in informing me about correct approach to follow.

Also, I'm indebted to my parents, husband, mother in law, sisters & friends and the team of data collection as well as the studied sample in accomplishing this work.



CONTENTS

LIST OF CONTENTS

Titles of items Pa	
List of Tables	I
List of Figures	$ar{\mathbf{V}}$
List of Abbreviations	VIII
Glossary	IX
Abstract	X
Introduction and Aim of the Study	1
Review of Literature:	
- Characteristics of Infancy Period	
Physical growth and development	5
Attachment	8
• Play	9
- Infant Care	
 Infant's nutrition and feeding 	11
Infant's hygiene	27
• Immunization	33
Promoting safety	36
 Common infant's health problems 	
management	38
- Maternal Practices in Care of their Infants	
 Factors affecting maternal practices in care of their infants 	47
 Maternal practices in care of their infants 	49
- Nursing Role in Enhancing Optimal Maternal	
Practices in Infants' Care	51
Subjects and Methods	60
Results	66
Discussion	116
Conclusion and Recommendations	135
Summary	137
References	143
Appendices	166
Arabic summary	

LIST OF TABLES

LIST OF TABLES

A. Tables related to review of literature

Table No.	Title	Page No.
1	Gross infant motor development.	Appendix
2	Fine infant motor development.	II

LIST OF TABLES

B. Tables related to results

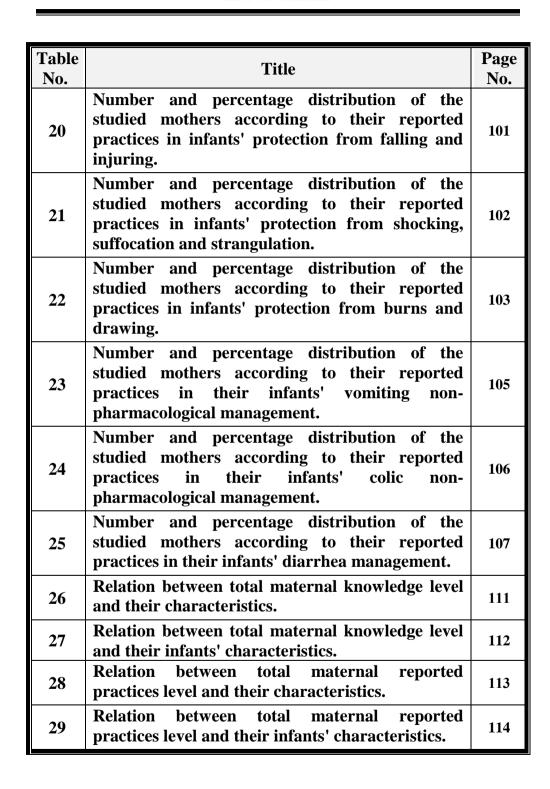
Table No.	Title	Page No.
1	Number and percentage distribution of the studied mothers according to their characteristics.	67
2	Number and percentage distribution of the studied infants according to their characteristics.	70
3	Number and percentage distribution of the studied mothers according to their knowledge about various aspects of their infants' care.	71
4	Number and percentage distribution of the studied mothers according to their reported practices in enhancing their infants' growth.	73
5	Number and percentage distribution of the studied mothers according to their reported practices in enhancing their infants' development.	75
6	Number and percentage distribution of the studied mothers according to their reported practices in their infants' bathing.	76
7	Number and percentage distribution of the studied mothers according to their reported practices in their infants' eye care.	78
8	Number and percentage distribution of the studied mothers according to their reported practices in their infants' oral care.	79
9	Number and percentage distribution of the studied mothers according to their reported practices in their infants' dental care.	80
10	Number & percentage distribution of the studied mothers according to their reported practices in their infants' umbilical cord care.	81

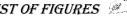
····

LIST OF TABLES

Table	Title	Page
No. 11	Number and percentage distribution of the studied mothers according to their reported practices in their infants' diaper care.	No. 82
12	Number and percentage distribution of the studied mothers according to their reported practices in preventing their infants' diaper rash.	83
13	Number and percentage distribution of the studied mothers according to their reported practices in their infants' breastfeeding.	86
14	Number and percentage distribution of the studied mothers according to their reported practices in their infants' bottle feeding.	88
15	Number and percentage distribution of the studied mothers according to their reported practices in their infants' bottle feeding preparation.	89
16	Number and percentage distribution of the studied mothers according to following the principles of introducing complementary foods to their infants.	91
17	Number and percentage distribution of the studied mothers according to their reported practices in introducing complementary foods.	92
18	Number and percentage distribution of the studied mothers according to the time of introducing various types of complementary foods.	94
19	Number and percentage distribution of the studied mothers according to their reported practices in care of their infants' post-vaccination problems.	99

LIST OF TABLES





LIST OF FIGURES

A. Figures related to review of literature

Table No.	Title	Page No.
1	Different Positions for Breast Feeding	17
2	Proper Infant's Latching on	18



Figure No.	Title	Page No.
1	Percentage distribution of the studied mothers according to their educational level.	68
2	Percentage distribution of the studied mothers according to their families' monthly incomes.	69
3	Percentage distribution of the studied mothers according to their total knowledge level about their infants' care.	72
4	Percentage distribution of the studied mothers according to their reported practices in managing the brownish seborrheal scales on the top of the infant's head (cradle cap).	77
5	Percentage distribution of the studied mothers according to their reported practices in their infants' hygienic care.	84
6	Percentage distribution of the studied mothers according to their infants' feeding method.	85
7	Percentage distribution of the studied mothers according to introducing pre-lacteal feeding to their infants.	87
8	Percentage distribution of the studied mothers according to type of pre-lacteal feedings.	87
9	Percentage distribution of the studied mothers according to the time of introducing complementary foods to their infants.	90
10	Percentage distribution of the studied mothers according to their total reported practices in their infants' feeding.	96

....

LIST OF FIGURES

Figure No.	Title	Page No.
11	Percentage distribution of the studied mothers according to their infants' vaccination status.	97
12	Percentage distribution of the studied mothers according to reasons of incompletion their infants' vaccination schedule.	98
13	Percentage distribution of the studied mothers according to the level of their reported practices in managing their infants' post-vaccination problems.	100
14	Percentage distribution of the studied mothers according to their total level of accident prevention reported practices towards their infants	104
15	Percentage distribution of the studied mothers according to their total reported practices in their infants' minor health problems management	108
16	Distribution of the studied mothers according to their reported practices in infants' care related procedures.	109
17	Percentage distribution of the studied mothers according to their total reported practices level in their infants' care.	110
18	Relation between the reported practices of the studied mothers in their infants' care and their knowledge.	115

LIST OF APPREVIATIONS



LIST OF APPREVIATIONS

	Abbreviations	
AAP	American Academy of Pediatrics	
AAPD	American Academy of Pediatrics Dentistry	
ADA	American Dental Association	
ARE	Arab Republic of Egypt	
AWHONN	Association of Women's Health, Obstetric and Neonatal	
	Nurses	
BCAMAB	Baby Center Australia Medical Advisory Board	
BCG	Bacillus Chalmette-Guerin	
BFHIUSA	Baby Friendly Hospital Initiative in the United States of	
	America	
CAPMS	Central Agency for Public Mobilization and Statistics	
CDC	Centers for Disease Control and Prevention	
EMS	Egypt Modern School	
IOM	Institute of Medicine	
MCH	Maternal and Child Health	
NICUS	Nutrition Information Center University of Stellenbosch	
ORS	Oral Rehydration Solution	
OTC	Over the Counter	
PDCMU	Pediatric Department China Medical University	
RCH	Royal Children's Hospital	
SIDS	Sudden Infant Death Syndrome	
UMMC	University of Maryland Medical Center	
USA	United States of America	
USDA	United States Department of Agriculture	
USDHHS	United States Department of Health and Human Services	
WHO	World Health Organization	
WIC	Women, Infants and Children	

GLOSSARY 💌

GLOSSARY

Advocating of mothers:

Refers to pleading causes for and assisting mothers in making informed decision through informing them their rights and options and the consequences of those options about their infants' health care decisions and providing information about research experimental protocols and alternative treatments.

Anticipatory Guidance:

Anticipatory guidance is a common term in the field of general pediatrics. It refers to providing education to parents about what to expect, or anticipate, over the next few months or years with their infants. Recommendations are specific to a child's age at the time of a visit.

Health Literacy:

Health Literacy is defined as the cognitive and social skills which determine the motivation and ability of individuals to gain access to understand and use information in ways which promote and maintain good health.

Infant's health promotion:

Health promotion refers to activities that increase well-being and enhance wellness or health. These activities lead to actualization of positive health potential for all infants, even those with chronic or acute conditions. Health promotion is concerned with developing sets of strategies that seek to foster conditions that allow infants to be healthy and allow their mothers to make healthy choices.

Maternal capacity building:

Capacity building refers to strengthening the skills, competencies and abilities of mothers to achieve the maternity role towards their infants.

ABSTRACT

Maternal Practices in Care of their Infants at El-Fayoum Governorate: An Assessment Study

1*Prof. Wafaa El-Sayed Ouda*, 2*Dr. Madiha Amin Morsy*, 3*Radwa Ismail Ibrahim*1 Professor of Pediatric Nursing, 2 Assist. Prof. of Pediatric Nursing, Faculty of Nursing, Ain Sham University and 3 Clinical Demonstrator of Pediatric Nursing, Faculty of Nursing, El-Fayoum University

Abstract

Background: Not all mothers are equipped with sufficient infant's care knowledge that may result in harmful infant's care practices. Aim: This study aimed to assess maternal practices in their infants' care at El-Fayoum Governorate. Methods: A descriptive study was conducted at five urban medical care centers and fifteen rural MCH care centers at El-Fayoum Governorate. The sample included 1580 mothers and their infants during their first year of life regardless their characteristics. Data were collected using an interviewing questionnaire (to assess mothers and their infants' characteristics as well as mothers' knowledge and reported practices in care of their infants) and checklists (to assess for the reported mothers' practices in infant's care related procedures). Results: Most of the studied mothers had unsatisfactory levels of knowledge (89.3%) & practices (82.0%) regarding their infants' care. Also, maternal practices were affected by their educational level, residency, their infants' ages and ranks. Conclusion: Maternal reported practices in their infants' care were unsatisfactory among most of the studied mothers and more unsatisfactory among illiterate & rural resided mothers, mothers having female & 6 < 12 months old infants and mothers whose infants ranked the fourth and the fifth in their families. Recommendations: This study recommended emphasizing the importance of evaluating maternal practices in care of their infants and accordingly developing appropriate programs to enhance their practices.

Key Words: Infant Care, Maternal, Knowledge, Practices, Nursing.

Introduction & Aim of the study