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Determinants of successful breastfeeding by young mothers in New Zealand.

A thesis presented in partial fulfillment of the requirements for the degree of Masters in Science in Nutrition and Dietetics at Massey University, Albany, New Zealand

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Abstract

**Background:** International research has shown that younger mothers are less likely to initiate/maintain breastfeeding (BF) than older women. Optimising BF maintenance in young mothers is important because early cessation of BF has been associated with negative health outcomes for the infant, which may extend beyond infancy into adulthood. Despite this, little is known about the facilitators of successful BF in this group. Therefore, the purpose of this study was to investigate the factors that enabled a group of mothers who gave birth at a young age to successfully breastfeed for at least 4 months.

**Objective:** To gain an in-depth understanding of the factors that led to a successful breastfeeding experience in mothers who gave birth at a young age.

**Methods:** Seventeen positive deviants were identified. These were mothers who gave birth under the age of 25 years, who had successfully BF for at least 4 months. Participants were recruited through various support groups and breastfeeding networks. Semi-structured in-depth interviews were conducted in person or over the phone with each of the seventeen mothers. The interviews were recorded and transcribed, which enabled theme identification. Demographic information was also collected using a short questionnaire. A thematic analysis was used to analyse the qualitative data obtained from each mother’s breastfeeding experiences. Interpretative phenomenology was used to extract themes from the transcripts, these were then double-checked by two researchers in the research team.

**Results:** Participants were located throughout the North Island of New Zealand (NZ). Eleven mothers identified themselves as NZ European, three mothers identified as NZ European and Māori, and one mother identified as NZ European and Hawaiian. The mothers had given birth between the age of 15 through to 24 years and these births occurred between 2004 and 2017.

Despite purposive sampling, of mothers who had successfully BF, participants identified core barriers to BF. These barriers were explored in depth before
enablers of BF could be identified and examined. The key barriers include lack of breastfeeding knowledge, expectations, which differed from the lived experience, the quality of the initial support for BF, lack of ongoing support for BF and initial difficulties with the practice BF.

Once the core barriers to BF had been fully explored, it was possible to identify and examine the enablers of successful BF. It became evident through the data analysis that the mothers found alternative solutions to overcome these barriers. These solutions were categorised into three key enablers, resilience in the face of adversity, a positive breastfeeding culture and the economy of BF. These factors facilitated the mothers to overcome the barriers they were faced with, which enabled them to successfully breastfeed.

**Conclusion:** Intrinsic motivation amongst positive deviants appears to be a driver of information and support seeking behaviour, which enhances self-efficacy and breastfeeding resilience amongst young mothers.
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Table of Contents

Abstract ...................................................................................................................... iii

Acknowledgements .................................................................................................. v

List of tables .............................................................................................................. ix

Abbreviations ............................................................................................................ x

Definitions used within this thesis ........................................................................... xi

Chapter 1: Introduction ............................................................................................. 1
  1.1 The context of breastfeeding ............................................................................. 1
  1.2 Breastfeeding in New Zealand .......................................................................... 1
  1.3 Breastfeeding in young mothers ....................................................................... 2
    1.3.1 Barriers to breastfeeding ............................................................................ 2
    1.3.2 Facilitators of breastfeeding ...................................................................... 3
  1.4 Theoretical approach ......................................................................................... 3
  1.5 Significance of the research ............................................................................. 4
  1.6 Purpose of the study ......................................................................................... 4
    1.6.1 Aim .............................................................................................................. 4
    1.6.2 Objectives .................................................................................................. 4
  1.7 Thesis structure .................................................................................................. 5

Chapter 2: Literature review ....................................................................................... 6
  2.1 The context of breastfeeding ............................................................................. 6
    2.1.1 Introduction ............................................................................................... 6
    2.1.2 Breastfeeding recommendations ............................................................... 6
    2.1.3 Breastfeeding rates ................................................................................... 8
  2.2 Breastfeeding from a public health perspective ................................................. 11
    2.2.1 Determinants of breastfeeding .................................................................. 11
    2.2.2 Public health implications ....................................................................... 12
    2.2.3 Public health approach to improve breastfeeding in New Zealand .......... 12
  2.3 Beneficial effects of breastfeeding .................................................................... 13
    2.3.1 Specificity of human milk .......................................................................... 13
    2.3.2 Benefits of breastfeeding for the infant .................................................... 14
    2.3.3 Benefits to mothers of breastfeeding ....................................................... 15
    2.3.4 Benefits to society of breastfeeding ....................................................... 15
  2.4 Barriers and facilitators to breastfeeding initiation and duration .................... 16
    2.4.1 Breastfeeding initiation .......................................................................... 16
    2.4.2 Breastfeeding duration .......................................................................... 16
  2.5 Breastfeeding and young mothers .................................................................... 23
    2.5.1 Barriers and Challenges to breastfeeding faced by young mothers .......... 23
    2.5.2 Facilitators of breastfeeding in young mothers .......................................... 26
    2.5.3 Approaches to increase breastfeeding in this population ....................... 28
  2.6 Positive deviance analysis ............................................................................... 30
    2.6.1 Definitions of positive deviance ............................................................... 30
    2.6.2 Positive deviance methodology ............................................................... 31
    2.6.3 Theoretical framework ............................................................................ 32
  2.7 Summary ........................................................................................................... 33

Chapter 3: Determinants of successful breastfeeding by young women in New Zealand ................................................................................................................................. 35
  3.1 Abstract ............................................................................................................. 35
  3.2 Introduction ....................................................................................................... 36
  3.3 Methods ............................................................................................................ 37
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.4 Results and discussion</td>
<td>40</td>
</tr>
<tr>
<td>Barriers to breastfeeding in this population</td>
<td>42</td>
</tr>
<tr>
<td>Factors that enabled the young women to breastfeed</td>
<td>45</td>
</tr>
<tr>
<td>3.5 Conclusion</td>
<td>58</td>
</tr>
<tr>
<td>Chapter 4: Conclusions</td>
<td>59</td>
</tr>
<tr>
<td>4.1. Summary of the study</td>
<td>59</td>
</tr>
<tr>
<td>4.2. Conclusion</td>
<td>60</td>
</tr>
<tr>
<td>4.3. Strengths</td>
<td>60</td>
</tr>
<tr>
<td>4.4. Limitations</td>
<td>62</td>
</tr>
<tr>
<td>4.5. Recommendations for future studies</td>
<td>64</td>
</tr>
<tr>
<td>Chapter 5: References</td>
<td>65</td>
</tr>
<tr>
<td>Appendix A: Information sheet</td>
<td>79</td>
</tr>
<tr>
<td>Appendix B: Advertisement</td>
<td>82</td>
</tr>
<tr>
<td>Appendix C: Consent form</td>
<td>83</td>
</tr>
<tr>
<td>Appendix D: Questionnaire</td>
<td>84</td>
</tr>
<tr>
<td>Appendix E: Authority for the release of transcripts</td>
<td>88</td>
</tr>
<tr>
<td>Appendix F: Qualitative analysis approach</td>
<td>89</td>
</tr>
</tbody>
</table>
List of tables

**Table 1.1.** Researchers’ contributions to this study.................................................................5

**Table 2.1.** Exclusive breastfeeding + full breastfeeding rates at 2 weeks, 6 weeks, 3 month and 6 months postpartum compared to the 2010 targets set by the Ministry of Health in 2002 .................................................................................................................................9

**Table 2.2** Rates of breastfeeding in New Zealand at two weeks postpartum, by maternal age group....................................................................................................................................10

**Table 2.3** New Zealand exclusive and full breastfeeding rates in 2009, by ethnicity........................................................................................................................................................................11

**Table 2.4** Factors that affect breastfeeding duration in Western countries ........................................................................................................................................................................16

**Table 3.1.** Interview schedule for single in-depth interviews with young mothers..................................................................................................................................................................39

**Table 3.2.** Participant demographics .................................................................................................41

**Table 3.3** Young mothers’ experiences of breastfeeding challenges and strategies developed and applied: common themes noted across participant interviews ....46
Abbreviations

BF        Breastfeeding
BFHI      The Baby Friendly Hospital Initiative
EBF       Exclusive breastfeeding
GUinZ     Growing Up in New Zealand
MOH       Ministry of Health
NZ        New Zealand
NZBA      The New Zealand Breastfeeding Authority
OECD      Organisation for Economic Co-operation and Development
SD        Standard Deviation
UNICEF    United Nations International Children's Emergency Fund
WHO       World Health Organization
## Definitions used within this thesis

**Exclusive breastfeeding**  
Solely breast milk, from the breast or expressed, and any prescribed medicines that have been given from birth (Ministry of Health, 2012).

**Infant**  
Birth to 1 year (Ministry of Health, 2009).

**Lactogenesis II**  
The onset of abundant milk secretion, which, usually occurs around 4-days postpartum, when milk secretion rises (Hill, Chatterton & Aldag, 1999; Kent, 2007).

**Full breastfeeding**  
The infant has only had breast milk and no other liquids or solids, except for any prescribed medicines, in the past 48 hours (Ministry of Health, 2002).

**Partial breastfeeding**  
The infant has had some breast milk and some infant formula or other solid food in the past 48 hours (Ministry of Health, 2002).

**Phenomenology**  
The study of situations that occur in the everyday world from the viewpoint of the person that is experiencing it (Kleiman, 2004).

**Positive deviants**  
Individuals who share the same socioeconomic characteristics as their peers/other members of the community and yet manage to find ways to overcome barriers and actually practice positive behaviours without external interventions (Schooley & Morales, 2007).

**Self-efficacy**  
One’s belief in one’s ability to succeed in specific situations or accomplish a task (National Breastfeeding Advisory Committee, 2008).