## Contraceptive Discontinuation and Non Usage of Family Planning Methods Rates in the Poorest Villages in Beni Suef

#### Thesis

Submitted for partial fulfillment of the master degree of Master degree in Public Health

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## **Contents**

List of Abbreviations	i
List of Tables	ii
List of Figures	V
Introduction	١
Objectives	١.
Review of Literature	١١
* General Definition of Contraceptive Discontinuation * Side effects of contraceptives & role of counseling	۱۳
on continuation	10
* Socio-economic factors	٣١
* Demographic Factors	٣٧
* Program Factors	٤٣
* Causes of nonuse	٤٥
Methodology	٤٧
Results	01
Discussion	٩١
Limitation of study	117
Conclusion	۱۱۸
Recommendations	١٧.

Summary	177
References	١٢٦
Arabic Summary	

## **List of Abbreviations**

CDC : Center for Disease and Control and prevention

DMPA : Depot medroxyprogesterone acetate

EDHS : Egypt Demography and Healthy Surveys

FP : Family Planning

ICPD : International Conference on Population and

Development

IUD : Intrauterine contraceptive device

LAM : Lactation Amenorrhea Method

MOHP : Ministry of Health and Population

MWRA : Married Women in Reproductive Age

OCPs : Oral Contraceptive Pills

PHCU : Primary Health Care Unit

QIP : Quality Improvement Program

SPSS : Statistical Package of Social Science

TFR : Total Fertility Rate

## List of tables

No	Title	Page
Table I - 1	distribution of age among studied women	70
Table I - Y	Age groups of studied women	٥٣
Table I - "	Employment status of studied women	0 2
Table I - 4	Educational levels of studied women	00
Table I - °	current family planning practice of studied female	0
Table I - ٦	Employment status of women who currently use contraceptives	٥٧
Table I - Y	age groups of women who currently use contraception	٥٧
Table I - ^	Educational levels of women who currently use contraceptives	٥٨
Table I - 4	Different districts for women who currently use contraceptives	٥٨
Table I - 1.	currently used status and type of method	٥٩
Table I - ۱۱	educational level of women who discontinued contraceptives	٦١
Table I - ۱۲	employment status of women who discontinued contraceptives	٦١
Table I - ۱۳	last method used for women who discontinued contraceptives	77
Table I - \ \ \cdot	source of last method for women who discontinued contraceptive	٦٣
Table I - 10	Causes of discontinuation for women who discontinued	7 £
Table I - ١٦	Different districts for women who discontinued contraceptives	70
Table I - ۱۷	Employment status of women who never use contraception	70
Table I - ۱۸	Educational levels of women who never use contraception	٦٦

## List of tables (Cont.)

No	Title	Page
Table I - ۱۹	Different districts for women who never use contraception	٦٦
Table I - ۲۰	Causes of never use of contraception among non users	٦٧
Table II - \	Distribution of employment status of studied female according to current family planning practice	٦٨
Table II - Y	Distribution of different age group of studied female according to current family planning practice	٦٩
Table II - *	Distribution educational levels of studied women according to current family planning practice	٧١
Table II- <sup>£</sup> a	Distribution of studied women according to educational levels in relation to age groups	٧٢
Table II-	Table of age & education & contraceptive use(Logistic regression)	٧٣
Table II - c	Age stratification of studied women according to current contraceptives use & education	٧٤
Table II - °	Distribution of studied women, by family planning practice, according to districts of Bani Suef	٧٦
Table II - ٦	Distribution of last method used before discontinuation according to educational status	٧٧

## List of tables (Cont.)

No	Title	Page
Table II - Y	Distribution of last method used before	٧٩
	discontinuation according to employment	
	status	
Table II - ^	Distribution of last method used before	۸.
	discontinuation according to source of the	
	last method	
Table II - ٩	Distribution of the causes of	٨١
	discontinuation, according to age groups	
Table II- \	Distribution of the causes of	۸۳
	discontinuation, according to educational	
	level	
Table II- \\	Distribution of causes of discontinuation	٨o
	according to last method used	
Table II - ۱۲	Distribution of causes of never use	۸٧
	according to different age group	
Table II- 17	Distribution of causes of never use	٨٩
	according to different education levels	

## **List of Figures**

No	Title	Page
١	Fertility changed over the last three decades	٧
	in Egypt	
۲	Contraceptive discontinuation rates by reason	1 🗸
	for stopping use	
٣	Current family planning practice	٥٦
٤	Current use by method	٦.

# Contraceptive discontinuation and non usage of family planning methods rates in the poorest villages in Beni Suef

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## Contraceptive discontinuation and non usage of family planning methods rates in the poorest villages in Beni Suef

#### Introduction

Family Planning is a behavior that allows individuals and couples to anticipate and attain their desired number of children and the spacing and timing of their births. It is achieved through the use of contraceptive methods and treatment of involuntary infertility. A woman's ability to space and limit her pregnancies has a direct impact on her health and well being as well as on the outcome of each pregnancy (Andrew, (\*\*.\*\*).

Family planning could prevent as many as one in every three maternal deaths by allowing women to delay motherhood, space births, avoid unintended pregnancies and abortions, and stop childbearing when they have reached their desired family size (Martine C et al., Y · · • •).

Governments around the world are focused on combating poverty and achieving a range of health and development goals, such as those outlined in the United Nations' Millennium Development Goals (MDGs). Family planning can contribute to nearly all of these goals, including reducing poverty and hunger, promoting gender equity and empowering women, reducing child mortality, improving maternal health, combating HIV/AIDS, and ensuring environmental sustainability. (Campbell M, et al., Y··V).

Unintended pregnancy has been associated with increased risks of maternal morbidity, health behaviors during pregnancy that are associated with adverse maternal health, and adverse fetal, infant and child health outcomes. (Centers for Disease Control and Prevention (CDC), 7.11.).

Unintended pregnancies are the consequence of multiple factors including non-use of contraception among women who do not want to get pregnant, contraceptive failure among users of contraception, and contraceptive discontinuation, that is, the starting and stopping of contraceptive use (Barden-O'Fallon JL, et al Y··^).

Contraceptive discontinuation definition is "non-pregnant women who had previously used a family planning method but were not using any method at the time of the survey". (Mishra, et al \99\9). Another researcher from USA identified contraceptive discontinuation as "stopping contraceptive use while still at risk of unintended pregnancy(Karen, et al., Y···Y). A study in Brazil mentions contraceptive discontinuation as "having used a contraceptive method at least once in the past, whether or not the method was properly used or provided adequate coverage" (D'antona et al, Y···9).

Family planning programs need to pay more attention to improving continuation rates and preventing contraceptive failure as fertility in a given area declines. Studies on contraceptive discontinuation have significant programmatic implications concluded that, with a decline in fertility, programs should shift their emphasis from simply providing contraceptive methods toward providing services such as counseling in order to reduce discontinuation rates. (Blanc AK, et al Y··Y). So while encouraging new adopters of contraceptive methods is undoubtedly important, equally important is continuity of use among current users and studies are needed to determine the factors associated with contraceptive discontinuation (Parr, N. Y··Y).

The focus on quality of care has become important with contraceptive continuation as one of the outcomes of quality of care (Blanc AK, et al ) ۹ ۹ ۹).

A key concern for the family planning program in Egypt is the rate at which users discontinue use of contraception and the reasons for such discontinuations. Although users may discontinue because they want another child, they often stop for other reasons including contraceptive failure, dissatisfaction with the method, and health concerns, leaving them exposed to the risk of an unintended pregnancy (El-Zanaty, and Way. Y., 9).

Studies on non-use of family planning and contraceptive discontinuation have demonstrated a number of sociodemographic factors associated with these outcomes. Factors associated with non-use of contraception include education, residence, socioeconomic status, and fertility goals, Women who are less educated, live in rural areas, are poorer, opposed to contraceptive use, or desire more children are less likely to be using contraception (**Westoff CF. Y...)** 

Women's demographic and socioeconomic characteristics have also been found to be associated with contraceptive discontinuation and failure. Women under age have higher contraceptive discontinuation rates than women have higher contraceptive discontinuation rates than women have higher contraceptive discontinuation rates than women have gears of age or older (Moreno, have). Higher parity is associated with longer episodes of continuous injectable use (Riley et al., had been shound and likely et al., had been shown to have levels of failure and abandonment in need and higher levels of switching (Curtis and Blanc, had been shown to be associated with lower levels of failure and abandonment in need and higher levels of switching (Curtis and Blanc, had). Steele and Curtis, had been shown to be associated with lower levels of switching (Curtis and Blanc, had).

At the individual and household level, poverty is often associated with low levels of educational attainment and rural residence. Education is thought to be a key mechanism through which poverty affects contraceptive use. It is believed

that lower levels of education among poor women translate into less knowledge of contraceptive methods and more difficulties in accessing services. Living in a rural area is also associated with higher contraceptive discontinuation and failure rates. Evidence indicates that methods that require a regular supply, such as condoms, are quicker to be discontinued in rural areas than in urban settings (Ali M, Cleland J 1999).

Most studies found evidence that place of living (residence) is associated with the risk of contraceptive discontinuation. Women who lived in urban areas were less likely to discontinue contraceptive use due to contraceptive failure than those who lived in rural areas.( **Arifin in** \* • • \* \*).

High activity outside the household (women employment) also contribute to the decrease of women's desire to have more children that will lead to the increase of contraceptive adoption as well as its continuation to delay or even stop pregnancies, women who had their own occupation or are working out-side their household, tend to desire a small family and thereby increase the acceptance of contraceptive use (Hardee, et al., 1999).

The type of contraceptive method also relates to the rate of discontinuation. Women using the user-dependent contraceptive methods, such as the pill, injections, condoms, and withdrawal, are more likely to discontinue than are those using non-user-dependent methods, such as the intrauterine device (IUD) and implants (**Blanc AK**, et al Y···Y).

More than one-third of all discontinuations during the fiveyear period before the  $^{\gamma} \cdot \cdot \wedge$  Egypt Demographic Health Survey (EDHS) occurred because the user wanted to have a child. Wanting another child was most often cited reason for discontinuations among IUD users ( $^{\xi \eta}$  percent) and pill users ( $^{\eta \tau}$  percent). (**El-Zanaty, and Way.**  $^{\gamma} \cdot \cdot ^{\eta}$ ).